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Resource Tapes

SRC-000001 -1/1
VTV-10

"JPL" (1957) & JATO, Corporal, Sergeant Footage
1:00-1:20 "JPL" Color film production w/sound showing early historical scenes. Also a detailed description of JPL capabilities including Rocket test Beds, Photolab, Repro, Transportation, Machine shops, Chemistry Labs, and JPL buildings.
1:21-1:26 Raw stock of JATO, Corporal & Sergeant
Audience: JPL Resource
Client:
Master: 1"C Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Film trans. by Fotronics 5/26/94
01/01/1957 - 0:26:32

SRC-000002 -1/2

Historical film transfers for JPL 50th Anniversary Production
1:00 Central Engineering Building 301 Dedication
1:09 ? Ceremony w/Pickering, Brown, Murray in Mall
1:20 Launch of ?Viking
1:22 Surveyor digging on the Moon
1:24 Voyager 2 Spoke Movie
1:26 "Pickering's JPL - scenes from 40's, 50's and 60's
1:44 "The Air Corps Jet Propulsion Research Project Est 1939" w/descriptive text, circa 1940, rocket testing.
1:47 Flight Tests - March Field. Comparative tests
1:49 Aerotojet Test Unit, May 1943
1:52 Centrojet C-1-A test, test sled at ?JPL.
1:58 Early pan of JPL grounds from mountain.
2:00 IRAS animation
2:10 "Corporal Story" spoof production, has many historical scenes.
2:23 End
Audience: Resource
Client:
Master: 1"C
Audio 1: Silent 2: Silent AVC-1994-177
Film transfer made 05/26/94
05/26/1994 - 1:23:00 Producer: Stealey

SRC-000002 -2/2

Historical film transfers for JPL 50th Anniversary Production
1. Corporal construction and launch footage
2. Various cell animations of early JPL spacecraft thru Voyager

3. Excerpts from a Pioneer IV film w/sound;
4. Excerpts from a Surveyor film w/sound.
Audience: Resource
Client:
Master: 1"C
Audio 1: Silent 2: Silent AVC-1994-177
Film transfer made 06/14/94
06/14/1994 - 0:16:15 Producer: Stealey

SRC-000003 -1/1 **Mars Global Surveyor Deployment and Aerobraking Animation**
Starts after liftoff showing solid rocket separation; first stage fires second stage stack in to orbit; payload ferring comes off; second stage refires; third spins up and second stage is jettisoned; third stage is fired; despin segment begins with yoyos; spacecraft separates, deploys solar panels and turns to find sun.
Updated Aerobraking animation.
Created by Jeff Alu.
Audience: News Resource
Client: Glenn Cunningham
Master: BCAMsp
Audio 1: Silent 2: Silent
10/29/1996 - 0:03:09 Producer: Savona

SRC-000004 -1/1 **SOHO - Sun Images and Animation - 5/02/96 Press Release**
Images taken of the Sun by SOHO (Solar & Heliospheric Observatory) spacecraft
Audience: JPL NASA Site: NASA-HQ
Client: Bridges, Org. 182
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
05/02/1996 - 0:03:21 Producer: NASA-Bennett

SRC-000005 -1/1 **Delta 2 / Mars Global Surveyor Spacecraft Processing and Launch**
Selected segments of Mars Global Surveyor being readied for launch.
Launch replays included.
Audience: Resource Site: JFKspacectr
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
For resource purposes
02/10/1997 - 0:43:00 Producer: JFK/Bionetics

SRC-000006 -1/1 **Delta 2 / Mars Pathfinder Spacecraft Processing and Launch**
Selected segments of Mars Pathfinder being readied for

launch at John F. Kennedy Space Center from Sept. to Dec. 1996.
Launch replays included.
Audience: Resource Site: JFKspacectr
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
For resource purposes
02/10/1997 - 0:34:00 Producer: JFK/Bionetics

SRC-000007 -1/1 **SIRTF Primary Mirror Removal from Cryogenic Chamber**
B-Roll of activities in Building 79, showing the removal of the Space Infrared Telescope Facility primary mirror from Cryogenic Chamber.
Audience: Resource
Client: Dave Pearson, Org. 346
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/25/1997 - 0:28:00 Producer: Semerano

SRC-000008 -1/1 **Origins Computer Animations Compilation**
Element one Flying Formation - :25
Element two Opening - :37
Element three Space Interferometry Mission - :25 Element four Planet obscured by Star - :15
Element five Planet Orbiting Star - :20
Element six Planet Finder - :20
Audience: Resource Site: JPL
Client: Dr. Firouz Naderi, Org. 3020
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
SIRTF & NGST ADDED TO END OF TAPE
02/26/1996 - 0:05:32 Producer: Savona

SRC-000009 -1/1 **Space Infrared Telescope Facility Computer Animations**
SIRTF animation depicting one view:
Element is 44 seconds
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
02/28/1997 - 0:00:44 Producer: Semerano

SRC-000010 -1/2 **Mars Interviews for Pathfinder & future missions**
Interviews shot in studio for upcoming missions. Rudi Rieder - Max Plank Institute Germany Prin. Investigator APX

Spectrometer;
T. Economou - Univ of Chicago Part one of interview
Audience: Site: 186 studio
Client: Michelle Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/16/1995 - 0:30:00 Producer: McNevin

SRC-000010 -2/2 **Mars Interviews for Pathfinder & future missions**
Interviews shot in studio for upcoming missions. ;
T. Economou - Univ of Chicago Part two of interview; Peter Smith Univ of Ariz.; Dan Britt Univ. of Ariz.; Hank Moore U.S. Geological Survey.
Audience: Site: 186 studio
Client: Michelle Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/16/1995 - 1:03:00 Producer: McNevin

SRC-000011 -1/1 **Mars Interviews for Pathfinder & future missions**
Interviews shot in studio for upcoming missions.
Brian Muirhead - Flight System Manager;
Rob Manning - Flight System Chief Engineer;
Les Compton - Lead Engineer Rocket Deceleration Subsystem.
Audience: NASA Resource Site: 186 Studio
Client: Michelle Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/01/1975 - 0:26:10 Producer: McNevin

SRC-000012 -1/1 **Mars Interviews for Pathfinder & future missions**
Interviews shot in studio for upcoming Mars Pathfinder missions.
Tom Rivellini - Engineer Airbag Subsystem
Audience: Resource Site: TV Studio
Client: Michelle Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/07/1995 - 0:30:00 Producer: McNevin

SRC-000013 -1/1 **Mars Interviews for Pathfinder & future missions**
Interviews shot in studio for upcoming Mars Pathfinder missions.
Bob Haberle - Research Scientist Ames Research Center
Audience: Resource Site: TV Studio
Client: Michelle Johnson

Master: BCAMsp
Audio 1: mono 2:
10/18/1995 - 0:20:00 Producer: McNevin

SRC-000014 -1/1 **Mars Interviews for Pathfinder & future missions**
Interviews shot in studio for upcoming Mars Pathfinder missions.
Jeff Barnes - Oregon State Univ. Pathfinder ASI Team
Audience: Resource Site: TV Studio
Client: Michelle Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/18/1995 - 0:30:00 Producer: McNevin

SRC-000015 -1/1 **Mars Interviews for Pathfinder & future missions**
Interviews shot in studio for upcoming Mars Pathfinder missions.
Al Seiff - San Jose State Univ. Sr. Research Scientist of Meteorology
James Tillman - Univ. of Wash.
Audience: Resource Site: TV Studio
Client: Michelle Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/18/1995 - 1:01:18 Producer: McNevin

SRC-000016 -1/1 **Ulysses' Cometary Plasma Tail Animation**
This animation shows a "disconnection event", which happens when a comet's plasma tail (the blue) drops off as it travels near to the sun. Ulysses is designed to study charged particles radiating from the sun and their impact on comets returning to the solar system.
Audience: Resource
Client: Diane Ainsworth
Master: BCAMsp
Audio 1: Silent 2: Silent
03/14/1997 - 0:00:17 Producer: Savona

SRC-000017 -1/1 **Mars Meteorite Presentation and Animation**
Mars Animation and Close up of rock in lab
Audience: NASA Resource Site: # JSC1595
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/06/1997 - 0:13:00 Producer: JSC

SRC-000018 -1/1 **Viking Facilities and Activities at Kennedy Spaceflight Center**
(Film to tape transfer)
A series of 10 to 15 second clips of locations around Kennedy following the activities Viking spacecraft prior to launch. Tape ends with footage of the launch of Viking aboard a Titan rocket. (NO SOUND)
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
05/06/1997 - 0:20:00 Producer: KSC

SRC-000019 -1/4 **Cassini Spacecraft Move Ground Shots**
Various angles and shots of the move.
Audience: Resource Site: JPL
Client:
Master: BCAMsp
Audio 1: Wild trk. 2: Wild trk.
07/14/1995 - 0:14:09

SRC-000019 -2/4 **Cassini Spacecraft Move Ground Shots**
Various angles and shots of the move.
Audience: Resource Site: JPL
Client:
Master: BCAMsp
Audio 1: Wild trk. 2: Wild trk.
07/14/1995 - 0:00:00

SRC-000019 -3/4 **Cassini Spacecraft Move Above Shots**
Various angles and shots of the move.
Audience: Resource Site: JPL
Client:
Master: BCAMsp
Audio 1: Wild trk. 2: Wild trk.
07/14/1995 - 0:23:39

SRC-000019 -4/4 **Cassini Spacecraft Move Above Shots**
Various angles and shots of the move.
Audience: Resource Site: JPL
Client:
Master: BCAMsp
Audio 1: Wild trk. 2: Wild trk.
07/14/1995 - 0:07:10

SRC-000020 -1/1 **Cassini in 179 High Bay**
Audience: Resource Site: 179

Client:
Master: BCAMsp
Audio 1: Wild trk. 2: Wild trk.
12/12/1995 - 0:11:54

SRC-000021 -1/1 **Cassini Propulsion Mating**
Audience: Resource Site: 179
Client:
Master: BCAMsp
Audio 1: Wild trk. 2: Wild trk.
08/31/1996 - 0:31:06

SRC-000022 -1/1 **Cassini Antenna Mating in High Bay**
Audience: Resource Site: 179
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/14/1996 - 0:27:04

SRC-000023 -1/3 **Cassini Stacking**
Audience: Resource Site: 179
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/20/1996 - 0:30:23

SRC-000023 -2/3 **Cassini Stacking**
Audience: Resource Site: 179
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/20/1996 - 0:28:37

SRC-000023 -3/3 **Cassini Stacking**
Audience: Resource Site: 179
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/20/1996 - 0:28:06

SRC-000024 -1/2 **Cassini Preparation for Thermal Testing in Cleanroom**
Audience: Resource Site: 179
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/25/1996 - 0:30:50

SRC-000024 -2/2 **Cassini Preparation for Thermal Testing in Cleanroom**
Audience: Resource Site: 179
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/25/1996 - 0:31:00

SRC-000025 -1/1 **Cassini Shake Test**
Audience: Resource Site: 144
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/23/1996 - 0:27:05

SRC-000026 -1/1 **Cassini Blanket Attachment**
Audience: Resource Site: 144
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/10/1996 - 0:15:07

SRC-000027 -1/1 **Cassini Blanket Stitching and Interview**
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/19/1996 - 0:25:59

SRC-000028 -1/1 **Cassini Thermal Blanketing**
Audience: Resource Site: 144
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/19/1996 - 0:24:29

SRC-000029 -1/1 **Cassini Undraped**
Audience: Resource Site: 150
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/08/1997 - 0:20:09

SRC-000030 -1/1 **Cassini in Space Simulator (Sun Test Preparation)**
Audience: Resource Site: 144
Client:

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/16/1997 - 0:11:34

SRC-000031 -1/1 **Cassini in Thermal Vacuum Chamber (Phase 2)**
Audience: Resource Site: 150
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/30/1997 - 0:18:55

SRC-000032 -1/2 **Cassini Spacecraft Team Preship Interviews**
Gordon Cuculla
Mary Reaves
Bill Aragon
Dave Rice
Audience: Resource Site: Locations
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/12/1997 - 0:28:49

SRC-000032 -2/2 **Cassini Spacecraft Team Preship Interviews**
Julie Webster
Arden Acord
Nancy Grenarder
Greg LaBorde
Audience: Resource Site: Locations
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/12/1997 - 0:30:44

SRC-000033 -1/1 **Titan Cassini Propulsion Module being worked on SAEF 2**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/07/1997 - 0:02:00

SRC-000034 -1/1 **Titan Cassini Propulsion Module Unloaded at the SAEF 2**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/07/1997 - 0:02:00

SRC-000035 -1/1 **Cassini Probe Off Load from 747 Aircraft**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/07/1997 - 0:06:00

SRC-000036 -1/1 **Titan Cassini Huygens Probe PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/07/1997 - 0:06:00

SRC-000037 -1/1 **Cassini First Stage Erection at the VIB Cape Canaveral**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/14/1997 - 0:04:00

SRC-000038 -1/1 **Titan Cassini Second Stage Mated to First at the VIB Cape Canaveral**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/16/1997 - 0:07:00

SRC-000039 -1/1 **Cassini Spacecraft Departure from JPL to Edwards Air Force Base**
Audience: Resource Site: JPL and Edwards
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/19/1997 - 0:27:08

SRC-000040 -1/1 **Titan Cassini Leaving the SLF and Moved to the PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/21/1997 - 0:02:00

SRC-000041 -1/1 **Titan Cassini Uncrated and Put into the High Bay at PHSF**
Audience: Resource Site: KSC
Client:

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/22/1997 - 0:04:00

SRC-000042 -1/1 **Titan Cassini Antenna Uncrating at the PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/25/1997 - 0:09:00

SRC-000043 -1/1 **New X-33 Animation Video File**
1. New X-33 Animation
1a. X-33 Liquid Oxygen Tank
1b. Interview - Randell A. Tessin
2. Building A Shuttle
Audience: Resource Site: NASA TV
Client: Skip McNevin, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/08/1997 - 0:08:06 Producer: NASA TV

SRC-000044 -1/1 **Cassini Project: C-17 Upload**
Audience: Resource Site: Edwards
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/03/1997 - 0:21:00 Producer: Edwards Crew

SRC-000045 -1/3 **Cassini Project: C-17 Upload**
Audience: Resource Site: Edwards
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/19/1997 - 0:26:00 Producer: Edwards Crew

SRC-000045 -2/3 **Cassini Project: C-17 Upload**
Audience: Resource Site: Edwards
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/19/1997 - 0:20:00 Producer: Edwards Crew

SRC-000045 -3/3 **Cassini Project: C-17 Upload**
Audience: Resource Site: Edwards
Client:

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/20/1997 - 0:28:00 Producer: Edwards Crew

SRC-000046 -1/1 **K-33 Titan Vehicle Rollout from the VIB to the SMARF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/15/1997 - 0:12:00

SRC-000047 -1/1 **K-33 Titan Cassini SRMU Core Vehicle Mate at the OPG/LV**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/16/1997 - 1:00:00

SRC-000048 -1/1 **K-33 Titan Cassini SRMU Core Vehicle Mate SMARF 020665-OPG/LV**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/17/1997 - 0:24:00

SRC-000049 -1/1 **K-33 Titan Cassini RSB Installation at the PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/22/1997 - 0:04:00

SRC-000050 -1/1 **K-33 Titan Cassini Propulsion Unit move from SAEF II to PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/27/1997 - 0:03:00

SRC-000051 -1/1 **K-33 Titan Cassini Rollout to Launch Complex**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/30/1997 - 0:07:00

SRC-000052 -1/1 **K-33 Titan Cassini Antenna Installation at PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/07/1997 - 0:02:00

SRC-000053 -1/1 **1998 Mars Surveyor Lander Landing**
Radar Drop Test Footage.
Audience: Resource
Client: MSP, Org. 4900
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/14/1997 - 0:03:40

SRC-000054 -1/1 **1998 Mars Surveyor lander Landing**
Leg Deployment and Drop Test Footage.
Audience: Resource
Client: MSP
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/16/1997 - 0:27:48 Producer: Lockheed Martin

SRC-000055 -1/1 **K-33 Titan Cassini RTG's**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/17/1997 - 0:01:10

SRC-000056 -1/1 **Titan K-33 Cassini Forward Shield Installation on Probe**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/20/1997 - 0:05:00

SRC-000057 -1/1 **K-33 Titan Cassini Centaur Erection**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/20/1997 - 0:05:00

SRC-000058 -1/1 **K-33 Titan Cassini Aft Cone Installation on Probe**
Audience: Resource Site: KSC

Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/23/1997 - 0:05:00

SRC-000059 -1/1 **K-33 Titan Cassini Lift of Propulsion Module and Mate**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/27/1997 - 0:06:00

SRC-000060 -1/1 **K-33 Titan Cassini Propulsion Unit Mated with Inst. and Antenna**
Audience: Resource Site: KSC
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/03/1997 - 0:05:00

SRC-000061 -1/1 **K-33 Titan Cassini Optical Sensing Platform Mate to Spacecraft**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/1997 - 0:04:00

SRC-000062 -1/1 **K-33 Titan Cassini Moved in Hi-Bay, Uncovered**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/1997 - 0:02:00

SRC-000063 -1/1 **K-33 Titan Cassini Huygens Probe Heat Shield Installation**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/10/1997 - 0:05:00

SRC-000064 -1/1 **K-33 Titan Cassini Lift and Mate as the PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/22/1997 - 0:12:00

SRC-000065 -1/1 **K-33 Titan Cassini Lifting Module into Stand at the PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/27/1997 - 0:24:00

SRC-000066 -1/1 **B-Roll - Red Rivers in the Sun (SOHO); Earth's Measuring Up**
Scientist discovered "rivers" of plasma flowing on the Sun's surface - while working with data from NASA and ESA's Solar Heliospheric Observatory (SOHO) spacecraft.
1: Plasma Rivers Run Swiftly Inside the Sun
1a: Layers under the Sun animation
1b: SOHO animation
1c: Sun spots (animated data)
1d: Solar hiccup (animated data)
1e: Interview - Dr. Craig Deforest, Resident Observer, Stanford University
2: Earth's Energy Balance
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/29/1997 - 0:02:13 Producer: NTV

SRC-000067 -1/1 **RTG'S in Storage, Move to PHSF, Fit Check**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
/ / - 0:10:00

SRC-000068 -1/1 **K-33 Titan Cassini RTG Fit Check in PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/18/1997 - 0:05:00

SRC-000069 -1/1
K-33 Titan Cassini RTG Fit Check and Removal at the PHSF
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

07/19/1997 - 0:05:00

SRC-000070 -1/1 **K-33 Titan Cassini Bag and Prep to Move**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/25/1997 - 0:05:00

SRC-000071 -1/1 **K-33 Titan Cassini Moved from the PHSF to Pad 40 Cape Canaveral**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/27/1997 - 0:06:00

SRC-000072 -1/1 **K-33 Titan Cassini Interviews at the PHSF**
Edited B-roll in front of Cassini:
1. Charlie Kohlhase
2. Richard Spehalski
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/22/1997 - 0:07:40 Producer: KSC

SRC-000073 -1/1 **K-33 Titan Cassini Press Showing at the PHSF**
B-roll of Cassini:
1. Shots of Cassini
2. Richard Spehalski and Charlie Kohlhase giving presentation on the signature disk.
3. Mounting the disk on Cassini.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/22/1997 - 0:06:00 Producer: KSC

SRC-000074 -1/1 **K-33 Titan Cassini Lift to Transporter at the PHSF**
edited B-roll
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/22/1997 - 0:03:00

SRC-000075 -1/1 **Mars Global Surveyor - Orbit Insertion & Aerobraking Animation**
For release during MOI on September 11, 1997.
Audience: Resource
Client: Glenn Cunningham
Master: BCAMsp
Audio 1: Silent 2: Silent
09/19/1997 - 0:02:38 Producer: Savona

SRC-000076 -1/1 **Space Interferometry Mission (SIM) & Origins Animations**
All are animations, unless specified. 1-SIRTF :24 2-SIM
Deployment :353-SIM Starlight Processing :26
4-NGST :47 5-TPF (Virtual Baseline) :24
6-TPF (Fixed Baseline) :17
7-Keck Interferometer B-roll :17
8-Nulling of Starlight :12
Audience: Resource
Client: Dr. Firouz Naderi
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/20/1998 - 0:05:00 Producer: Savona

SRC-000077 -1/1 **A Tour of the Solar System Animation**
A computer-generated flight through the planets.
25, 35 and 45 second durations
Created by Dana Berry at Tufts University, he can be reached
at (617) 628-5000, x5673
Audience: Resource
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/22/1998 - 0:03:45 Producer: Savona

SRC-000080 -1/1 **Cassini Launch ISO camera recordings**
Cassini Launch ISO camera recordings in von Kármán
Auditorium Camera 3 view
Audience: Gen. Resource Site: vK
Client: PIO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 0:30:00 Producer: Hanchett

SRC-000081 -1/1 **Cassini Launch ISO camera recordings**
Cassini Launch ISO camera recordings in SFOF Balcony view.
Right channel audio - natural sound
Left Channel audio - Cassini Coord Net
Audience: JPL Resource Site: SFOF

Client: PIO
Master: sVHS
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 1:16:00 Producer: Hanchett

SRC-000082 -1/1 **Cassini Launch ISO camera recordings**
Cassini Launch ISO camera recordings in SFOF Floor camera view.
Right channel audio - natural sound
Left Channel audio - Cassini Coord Net
Audience: JPL Resource Site: SFOF
Client: PIO
Master: sVHS
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 2:00:00 Producer: Hanchett

SRC-000083 -1/3 **Mars Pathfinder Press Release Images**
Contains images of Mars taken by the IMP camera on the Mars Pathfinder Lander. May also contain some animations, movies showing Rover moving about, or images from the Rover Sojourner's camera. This tape contains only those images released for press coverage on the date specified above.
Audience: Resource
Client: DeJong
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:03:30 Producer: Beck

SRC-000083 -2/3 **Mars Pathfinder Press Release Images**
Contains images of Mars taken by the IMP camera on the Mars Pathfinder Lander. May also contain some animations, movies showing Rover moving about, or images from the Rover Sojourner's camera. This tape contains only those images released for press coverage on the date specified above.
Audience: Resource
Client: DeJong
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:01:30 Producer: Beck

SRC-000083 -3/3 **Mars Pathfinder Press Release Images**
Contains images of Mars taken by the IMP camera on the Mars Pathfinder Lander. May also contain some animations, movies showing Rover moving about, or images from the Rover Sojourner's camera. This tape contains only those images released for press coverage on the date specified above.

Audience: Resource
Client: DeJong
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:00:40 Producer: Beck

SRC-000084 -1/2 **Mars Pathfinder Press Release Images**
Contains images of Mars taken by the IMP camera on the Mars Pathfinder Lander. May also contain some animations, movies showing Rover moving about, or images from the Rover Sojourner's camera. This tape contains only those images released for press coverage on the date specified above.
Audience: Resource
Client: DeJong
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 0:00:00 Producer: Beck

SRC-000084 -2/2 **Mars Pathfinder Press Release Images**
Contains images of Mars taken by the IMP camera on the Mars Pathfinder Lander. May also contain some animations, movies showing Rover moving about, or images from the Rover Sojourner's camera. This tape contains only those images released for press coverage on the date specified above.
Audience: Resource
Client: DeJong
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 0:01:50 Producer: Beck

SRC-000085 -1/1 **Mars Pathfinder Press Release Images for 7/6/1997**
Contains images (B&W) of Mars taken by the IMP camera on the Mars Pathfinder Lander.
1:10 Title
1:20 Pan & scan to the left & to the right.
5:08 Still images from the pan & scan.
7:55 Sequence of images of the Sojourner coming down the ramp. Repeated five times.
Audience: Resource
Client: DeJong
Master: BCAMsp
Audio 1: Silent 2: Silent
07/06/1997 - 0:07:29 Producer: Beck

SRC-000086 -1/1 **Magellan Pre- and Deploy from STS-30**
Audience: Resource Site: STS-30

Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/05/1989 - 0:15:00 Producer: JSC

SRC-000087 -1/1 **Titan K33 Cassini Probe Removal and Heat Shield Disassembly**
Audience: Resource
Client: KSC
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/08/1997 - 0:06:00

SRC-000088 -1/1 **Titan K33 Cassini Move to PHSF - Cassini Demate and Cover Removal**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/07/1997 - 0:23:00

SRC-000089 -1/1 **K-33 Titan Cassini Front Shield Assembly**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/09/1997 - 0:07:00

SRC-000090 -1/1 **K-33 Titan Cassini Probe Rework**
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/10/1997 - 0:02:15

SRC-000091 -1/1 **Titan K-33 Cassini Huygens Heatshield Installation**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/11/1997 - 0:05:00

SRC-000092 -1/1 **Titan K-33 Cassini Probe Installation at PHSF**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/13/1997 - 0:11:00

SRC-000093 -1/1 **Titan K-33 Cassini Hoist on Transporter & Bag & Hardcover Installation**

Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/14/1997 - 0:22:00

SRC-000094 -1/1 **Titan K-33 Cassini Mate**

Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/16/1997 - 0:12:00

SRC-000095 -1/1 **Titan K-33 Cassini after Huygens Repairs**

Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1997 - 0:02:00

SRC-000096 -1/1 **K-33 Titan Cassini Pre-Launch Activities at Launch Complex 40**

Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/13/1997 - 0:07:00

SRC-000097 -1/1 **K-33 Titan Cassini Launch Activities**

Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 0:06:00

SRC-000098 -1/1 **Galileo Flyby of the moon Io Animation**

The original generation is a revised version created by Dana Berry for the Galileo project, he can be reached at (617) 628-5000 x5673.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
01/22/1998 - 0:00:35

SRC-000099 -1/1 **Tropospheric Emission Spectrometer (TES) Configuration Animation**
Animation showing the TES configuration and assembly sequence as of February 1998. Simplified drawings of the main components are graphically "flown in" and placed into their configuration.
TES is scheduled for the EOS Chemistry Platform, Launching in 2002.
Audience: Resource
Client: Keith English
Master: BCAMsp
Audio 1: Silent 2: Silent
02/12/1998 - 0:06:52 Producer: Eng. Animation Inc.

SRC-000100 -1/1 **AIRSAR Reveals Angkor**
The following radar view of the ancient city of Angkor in northern Cambodia was generated entirely from data collected in December 1996 by NASA/JPL'S AIRSAR radar system, which flies on a NASA DC-8 aircraft. The radar images seen in false color match radar wavelengths for red, green & blue.
Audience: Resource
Client: Tony Freeman
Master: BCAMsp
Audio 1: Silent 2: Silent
03/03/1998 - 0:03:27 Producer: Savona

SRC-000101 -1/1 **Europa Orbiter Animation**
This computer animation shows NASA's Europa Orbiter scheduled for 2003 launch. Spacecraft is shown orbiting around Jupiter's moon Europa using radar sounder equipment to search for liquid water under the icy crust.
Audience: Resource
Client: Brewster/Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
03/05/1998 - 0:00:30 Producer: Savona

SRC-000102 -1/1 **Keck Observatory Source Compilation**
Footage shot by the W.M. Keck Observatory at
65-1120 Mamalahoa Hwy., Kamuela, HI 96743
phone(808)885-7887 fax (808)885-4464
Audience: Gen. Edu. JPL NASA News Resource Site: KeckObs.,Hawaii
Client: S. Zeluck, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/07/1998 - 1:00:00 Producer: Andrew Perala

SRC-000103 -1/1 **MGS: Image of the Cydonia Region taken 4/14/98**
Image of Mars centered at 40.84 degrees N, 9.980 W, sometimes referred to as the "City." Taken on 4/14/98
Audience: JPL Resource Site: JPL
Client: S.Chavez/MRO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/14/1998 - 0:00:41 Producer: JPL/MIPL

SRC-000104 -1/1 **Solar System Formation Animation**
Animation depicts the creation of a solar system from a swirling disk of interstellar gas and dust to a fully formed system containing a star and several orbiting planets.
Audience: JPL Resource
Client: M.Werner/S.Chavez MRO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
04/17/1998 - 0:04:36 Producer: Jeff Alu

SRC-000105 -1/1 **MGS Images: taken 3/11/98**
Images of the Martian terrain taken by MGS on 3/11/98.
Audience: JPL Resource Site: JPL
Client: S.Chavez/MRO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/11/1998 - 0:08:09 Producer: JPL/MIPL

SRC-000106 -1/1 **QuickSCAT Animation**
Audience: JPL Resource
Client: M. Hardin / MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/13/1998 - 0:01:15 Producer: Ball Industries

SRC-000107 -1/1 **Chuck Berry live on the steps of Building 180**
Chuck Berry live on the steps of Building 180 in celebration of the end of the Voyager Mission. Live shots by Gregg Hanchett.
Audience: Resource Site: JPL 180 steps
Client:
Master: M-II Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
*AUDIO DISTORTED!
08/27/1989 - 0:17:40 Producer: Hanchett

SRC-000108 -1/1 **DS-4/Champoleon Comet Approach and Anchoring Animation**
animation runs 3 times on tape
Audience: Resource Site: Studio 3DMax
Client: MedRel, Org. 181
Master: BCAMsp
Audio 1: silent 2: silent
preliminary
06/15/1998 - 0:03:24 Producer: Don Jacobs

SRC-000109 -1/2 **Cassini Mural at the Academia de Arte Yepes - Raw Footage**
Various shots of Cassini Mural
Audience: Resource
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/04/1995 - 0:19:33 Producer: Beck

SRC-000109 -2/2 **Cassini Mural at the Academia de Arte Yepes - Raw Footage**
Various shot of students painting Cassini Mural
Audience: Resource
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/04/1995 - 0:00:00 Producer: Beck

SRC-000110 -1/1 **Cassini Flyby Composite Tape**
B roll material of Cassini
Interview with Dr. Otto Raabe
Interview with Bob Mitchell
Audience: Resource
Client: NASA HQ
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/23/1998 - 0:25:00 Producer: Mary Beth Murrill

SRC-000111 -1/1 **Simulated Asteroid Encounter with Earth**
Solar System Visualization Project
1997 BR Case Study. This animation displays the impact prediction uncertainty of an asteroid discovered six months prior to colliding with Earth. The simulated impact trajectory of the asteroid was obtained by modifying the orbit of the asteroid 1997 BR which passed within 8M miles of the Earth in July 1997. The trajectory of an asteroid is based on a limited set of observations and is never known exactly.

Audience: Resource Site: DIAL LAB/JPL
Client: Eric De Jong, Org. 3233
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/17/1998 - 0:02:41 Producer: Eric De Jong

SRC-000112 -1/1 **Delta II/Mars Pathfinder Launch**
NASA video release KSC-TV Date 4/10/98
Final assembly in bay
Pre-launch activity at KSC
Night launch coverage from countdown to end of visual coverage.
Delta II/Mars Pathfinder Launch
Audience: Resource
Client: NASA
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/01/1998 - 1:17:00 Producer: Savona

SRC-000113 -1/1 **Cassini Testing - Raw Footage Compilation**
Cassini in bldg. 179 high bay, 12/12/95.
Cassini in bldg. 144 shake test on 1/8/96.
Scenes from bldg. 230, darkroom on 1/12/96.
Scenes in Mission Image Processing Laboratory (MIPL) on 1/18/96.
Audience: Resource Site: JPL
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/16/1996 - 0:30:00

SRC-000114 -1/1 **SRTM Boom Deployment at AECAble Co.in Goleta 7/8/98**
Deployment of the 200' long SRTM boom assembly
Interviews with Dr. Mike Kobrick of JPL, Dr. Tom Carson Project Manager of SRTM within NIMA and Gen. James C. King Director of NIMA.
"B" Roll footage of antenna deployment.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/1998 - 0:48:00

SRC-000115 -1/1 **SRTM Boom Deployment Original Footage**
SRTM Boom deployment at AECAble Co. in Goleta on Wednesday 7/9/98. Video of actual deployment and reaction of

observers, Dr. Stone, Larry Dumas and Gen. James King of NIMA.
Audience: Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/1998 - 0:22:00 Producer: Dawson/Chavez

SRC-000116 -1/1 **SRTM Boom Deployment Interviews**
Interview with Gen. James King Director of NIMA
Interview with Dr. Tom Carson Project Manager of SRTM within NIMA.
Elements of "B" roll coverage.
Audience: Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/1998 - 0:22:00 Producer: Dawson/Chavez

SRC-000117 -1/1 **Galileo - Rings of Jupiter Animation**
Used for news conference originating from Cornell University. With descriptive text.
Starts with a view of Io, camera rises above revealing Jupiter with a wispy ring. We fly in above Jupiter and then down into the ring toward Amelthea. Ending with Amelthea.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent AVC-1998-174
09/15/1998 - 0:05:09 Producer: SSV - De Jong

SRC-000118 -1/1 **SRTM Deployed with White Background**
9/8/98 SRTM deployed against white background.
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/08/1998 - 0:20:00 Producer: Dawson

SRC-000119 -1/1 **Voyager Animations Compilation for "And Then There Was Voyager"**
Animations and Movies used in AVC-1990-182.
05:45 Voyager at Saturn flyby
08:11 Voyager Saturn ring crossing star detection
09:00 Scanning window by instruments
09:41 Satellite imaging, frame overlays
10:19 Jupiter flyby sequences w/satellites

16:58 Jupiter magnetic torus, fields & Solar wind
18:36 Uranus magnetic field
23:12 VGR 2 Uranus encounter sequences
27:52 View of Saturn from satellite
30:30 Trajectories for Voyager 1 & 2
31:43 View of Jupiter from Ganymede
32:27 Jupiter flyby
The following are made from Voyager images:
34:21 Jupiter Rotation Movie
35:26 Jupiter Zoom, red spot
37:16 Winds of Jupiter
39:00 Saturn approach movie
40:05 Saturn rotation movie
41:37 Saturn spoke (rings) movie
42:40 Uranus 8-frame orange movie
43:00 Miranda The Movie (with narration)
45:00 Io plume sequences from images & animation
49:21 Fly Neptune sequences
52:49 Jupiter cloud animation from Voyager 2 images
53:44 Voyager looking back at Sun
54:22 Voyager moving back and forth in front of star field
55:00 End
Audience: Resource
Client: Hardin
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix 1990-182
Silent except Miranda the Movie
01/01/1990 - 0:55:00

SRC-000120 -1/1 **Deep Space 1 Arrival at the PHSF**

NASA's Deep Space 1 spacecraft, designed to validate 12 new technologies for scientific space missions of the next century, has arrived at the Kennedy Space Center to begin pre-launch processing. Deep Space 1 will be launched aboard Boeing's Delta 7326 rocket. This is the first flight in NASA's New Millennium Program.
The spacecraft is being processed in NASA's Payload Hazardous Servicing Facility (PHSF)located in the KSC Industrial Area. Among the processing activities to be preformed are the attachment to the spacecraft bus of the Plasma Experiment for Planetary Exploration (PEPE) instrument and the attachment of the solar arrays, each of which is among the dozen new technologies being tested on Deep Space 1.
Audience: Resource Site: KSC
Client: Jurrie/MRO, Org. 1810

Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/17/1998 - 0:03:15

SRC-000121 -1/1 **Delta Fairing Installation for Deep Space 1 at Launch Complex 17A**
Audience: Resource Site: KSC
Client: Jurrie/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/15/1998 - 0:05:21

SRC-000122 -1/1 **Deep Space 1 First Stage Delta Erection at Launch Complex 17A**
Audience: Resource Site: KSC
Client: Jurrie/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/11/1998 - 0:09:00

SRC-000123 -1/1 **Deep Space 1 "PEPE" Installation at the PHSF**
Audience: Resource Site: KSC
Client: Jurrie/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/14/1998 - 0:05:44

SRC-000124 -1/1 **Deep Space 1 Solid Rocket Motor Erection at Launch Complex 17A**
Audience: Resource Site: KSC
Client: Jurrie/MRO, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/17/1998 - 0:05:30

SRC-000125 -1/1 **Deep Space 1 Fueling Preps & Solar Panel Removal from Cargo Box**
Audience: Resource Site: KSC
Client: Jurrie/MRO, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/17/1998 - 0:02:30

SRC-000126 -1/1 **Delta Deep Space 1 Solar Panel Installation at the PHSF**
Audience: Resource Site: KSC
Client: Jurrie/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/19/1998 - 0:09:00

SRC-000127 -1/1 **Stardust Spacecraft Various Clips**
Drop Test, Spin Test in Chamber/Clean Room Electronics Testing
Audience: Resource Site: Lockheed Martin
Client: Dawson/MRO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/24/1998 - 0:24:37

SRC-000128 -1/3 **Deep Space 1 Launch**
Raw footage of Deep Space 1 control room at JPL during launch.
Audience: Resource Site: bldg 230
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/1998 - 0:30:00 Producer: Beck

SRC-000128 -2/3 **Deep Space 1 Launch**
Part 2
Audience: Resource Site: bldg 230
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/1998 - 0:30:00 Producer: Beck

SRC-000128 -3/3 **Deep Space 1 Launch**
Part 3
Audience: Resource Site: bldg 230
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/1998 - 0:30:00 Producer: Beck

SRC-000129 -1/2 **Deep Space 1 Ion Engine Start**
Raw footage of Deep Space 1 control room at JPL during launch.
Audience: Resource Site: bldg 230
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/10/1998 - 0:30:00 Producer: Beck

SRC-000129 -2/2 **Deep Space 1 Ion Engine Start**
Part 2 of 2
Audience: Resource Site: bldg 230

Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/10/1998 - 0:28:47 Producer: Beck

SRC-000130 -1/1 **Mars Climate Orbiter launch coverage of 264-231 Ops**
Mars Climate Orbiter(MCO) launch coverage of 264-231 Ops. Surveillance camera setup in 264-231 to coincide with NASA-TV launch of MCO. Charles Wetsel, Gene Brower, Sam Thurman & Glenn Cunningham are principal participants. Launch at 10:47 am which is Time of day time code.
Audience: Gen. Resource Site: 264-231
Client: Media Relations
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/11/1998 - 1:30:00 Producer: Borst

SRC-000131 -1/1 **Mars Climate Orbiter Launch - Short Version of AVC-1998-233**
Mars Climate Orbiter Launch Coverage via NASA-TV. Tape starts at T-90 seconds. Spectacular launch camera on first stage of rocket.
Audience: Resource Site: KSC
Client: PIO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/15/1998 - 0:08:10 Producer: Borst

SRC-000132 -1/1 **Mariner IV Highlight Reel**
Launched November 28, 1964 on Atlas-Agena D. Encountered Mars on July 14, 1995, with closest approach at 6,118 miles. Transmitted 22 pictures. Managed by the Jet Propulsion Laboratory (JPL) for NASA.
Audience: Resource
Client: McNevin, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/14/1995 - 0:30:00 Producer: McNevin

SRC-000133 -1/1 **Pluto/Neptune Orbital Paths Animation**
An animation illustrating where Pluto's orbit crosses Neptune's. The high 17 degree inclination of Pluto's orbit and its relative motion to Neptune are depicted to show those times when Pluto is nearer to the Sun than Neptune, and why those two planets will not collide.
Audience: Resource
Client:

Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
12/26/1998 - 0:02:39 Producer: Semerano

SRC-000134 -1/1 **Mars Pathfinder Testing in the JPL 25' Space Simulator - raw takes**
Raw footage showing the spacecraft illuminated by a simulated sun. Dramatic, with lens flare. Establishing shots, zooms and pans. Technician in white lab coat.
Audience: Resource Site: JPL bldg. 155
Client:
Master: BCAMsp
Audio 1: Mono 2: Mono
04/08/1996 - 0:08:56 Producer: Savona

SRC-000135 -1/1 **Dr. Lloyd French's Underwater Video**
Dub from S-VHS tape (a dub from Hi-8 original)
Undersea views of probe being placed in volcanic crack.
Audience: Resource
Client: French
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/08/1999 - 0:15:00 Producer: Dawson

SRC-000136 -1/2 **Mars Polar Lander L-1 Briefing & Rollout**
Mars Polar Lander L-1 Briefing & Rollout at KSC shot on HDCAM.
Audience: Resource Site: KSC
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
Shot 16:9 HDTV
01/03/1999 - 0:32:00 Producer: Borst

SRC-000136 -2/2 **Mars Polar Lander Launch and Blockhouse cheering**
Mars Polar Lander Launch and Blockhouse cheering at KSC shot on HDCAM.
Audience: Resource Site: KSC
Client: PIO
Master: HDCam
Audio 1: Mono mix 2: Mono mix
Shot 16:9 HDTV
01/03/1999 - 0:30:00 Producer: Borst

SRC-000143 -1/2 **Cassini Mural Unveiling Presentation**
Audience: Resource Site: von Kármán
Client:

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/06/1995 - 0:30:00 Producer: Beck

SRC-000144 -2/2 **Cassini Mural Unveiling Presentation**
Audience: Resource Site: von Kármán
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/06/1995 - 0:30:00 Producer: beck

SRC-000145 -1/1 **Cassini High Gain Antenna Attachment**
Audience: Resource Site: JPL Clean Room
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/25/1995 - 0:30:00 Producer: Beck

SRC-000154 -1/1 **Stardust Launch Audience Shots in von Kármán Auditorium.**
Handheld video shot before Stardust was postponed of the audience which consisted of friends and family and a class of inter city high school students.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/06/1999 - 0:16:28 Producer: Postell

SRC-000156 -1/2 **Stardust B-Roll & launch Coverage**
Educators being interviewed at KSC Visitor Center and L-1 Press Briefing. Panel includes: Dr. Carl Pilcher NASA Science Dir. NASA-HQ; Ray Lugo NASA launch Man. KSC; Rich Murphy Delta Mis. Flight Dir. Boeing; Dr. Kenneth Atkins Stardust Proj. Man. Miss. Dir. JPL; Dr. Joseph Vellinga Stardust Prog. Man. Lockheed Martin; Dr. Martha Hanner Stardust Science Team Leader JPL; Joel Tumbiolo Launch Weather Officer. Interviews with Hanner & Vellinga.
Audience: Resource Site: KSC
Client: Aimee Whalen
Master: HDCam Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
Shot 16:9 HDTV
02/05/1999 - 0:40:00 Producer: Borst

SRC-000156 -2/2 **Stardust B-Roll & launch Coverage**
Rollback of Gantry Feb. 6; Aborted launch Feb. 6; Real

Launch Feb. 7 and Control Room Cheers from Spacecraft separation and telemetry acquisition.
Audience: Resource Site: KSC
Client: Aimee Whalen
Master: HDCam Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
Shot 16:9 HDTV
02/06/1999 - 0:40:00 Producer: Borst

SRC-000157 -1/1 **Stardust Launch - Short Version**
Fifteen minute version of Stardust launch
Audience: Resource
Client: Stardust
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/08/1999 - 0:15:00 Producer: Dawson

SRC-000158 -1/1 **B-Roll Footage of SRTM in 179 Hibay with Visiting Astronauts**
Shots of the Shuttle Radar Topography Mission (SRTM) hardware in JPL's Spaceflight Assembly Facility. Included are mechanical engineer Howard Eisen and visiting astronauts Mamoru Mohri, National Space Development Agency of Japan (NASDA); Dominic Gorie, NASA STS-99 mission pilot; Dr. Janice Voss, NASA; Dr. Janet Kavandi, NASA; Gerhard Thiele, European Space Agency, and Kevin Kregel, NASA STS-99 mission commander.
SRTM consists of radar antennas that operate from the Shuttle to make a high-resolution digital topographic database of the Earth.
Audience: Resource Site: 179-Hibay 1
Client: Eric DeJong
Master: HDCam
Audio 1: Mono mix 2: Mono mix
Shot 16:9 HDTV
02/17/1999 - 0:24:00 Producer: Borst

SRC-000170 -1/2 **SRTM Compilation Tape 1**
SRTM Compilation Tape-- (only VHS dubs)
*SRTM Mast Deployment 6/09/98 (15 min VHS)
*Ed Caro Video on Mast. 7/16/98 (16 min VHS)
Audience: Resource
Client: Mona Jasnow
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/22/1999 - 0:31:00 Producer: Greg Parrillo

SRC-000170 -2/2 **SRTM Compilation Tape 2**
SRTM Compilation Tape-- (only betacam tapes)
** A compilation of interviews, time lapsed footage, preparation & movement of spacecraft, astronaut & engineer footage and technical testing of various parts of the spacecraft.
Audience: Resource
Client: Mona Jasnow
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/22/1999 - 0:45:00 Producer: Greg Parrillo

SRC-000171 -1/1 **Flyby of Mathilde and Eros**
Animation taken from VHS videos of flybys of asteroids Mathilde and Eros.
Original animations were not created at JPL.
Audience: Resource
Client: Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/22/1999 - 0:03:00 Producer: Beck/Dawson

SRC-000173 -1/2 **Deep Sea Probe testing at Monterey Bay Aquarium**
July 28 Media Day Test of Deep Sea Probe at Monterey Bay Aquarium. Interviews of Lloyd French. Shots thru tank glass of Probes' laser with divers.
Audience: Resource Site: Monterey Bay
Client: DeJong
Master: HDCam Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/29/1999 - 0:39:00 Producer: Borst

SRC-000173 -2/2 **Deep Sea Probe testing at Monterey Bay Aquarium**
July 28 Night Test of Deep Sea Probe at Monterey Bay Aquarium. Interview of Lonnie Lane. Shots of Front of Aquarium and Bay. Night shots and pretty Bay shots with seals. Shot in 16x9 format.
Audience: Resource Site: Monterey Bay
Client: DeJong
Master: HDCam Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/29/1999 - 0:34:00 Producer: Borst

SRC-000174 -1/1 **Deep Space 1 Space Science Update Supporting Visuals**
The following are animations: Looking back at Braille Encounter, Pre-Encounter Simulation, Trajectory Geometry,

Spinning Asteroid
and 10 stills that were used in the press briefing.
Audience: Resource
Client: Eric Dejong
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
08/03/1999 - 0:05:55 Producer: Savona

SRC-000175 -1/1 **Cassini Animations**
Cassini Spacecraft animations showing flybys of Venus, Earth, Jupiter and the orbit insertion of Saturn. Also the Cassini boom deployment and trajectories.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/12/1999 - 0:09:00 Producer: Semerano

SRC-000176 -1/1 **Shuttle Radar Topography Mission (SRTM) Interviews/"B-Roll"**
Raw interview footage of SRTM Team.
Thomas Farr, Wei Shen, Jeffrey Plaut, Howard Eisen, Michael Koberick, Ed Caro, Louise Veilleux, Neil Herman, Ed Litty, Goekjan Kayal
Audience: JPL Resource
Client: Diane Ainsworth, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/11/1999 - 1:45:00 Producer: Xaviant Ford

SRC-000179 -1/1 **SRTM Animation**
Animation depicts the deployment of SRTM from the Space Shuttle.
Audience: Gen. JPL NASA Resource
Client: Dawson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/09/1999 - 0:04:05 Producer: SSV

SRC-000180 -1/1 **Mars Climate Orbiter Arrival at Mars Animation**
Animation of the Mars Climate Orbiter Arriving at Mars and firing its main engine. Main engine burn will reduce the speed of the spacecraft and allow it to enter an orbit around Mars.
Audience: Resource
Client: Hardin
Master: BCAMsp Submaster: DVCPro25

Audio 1: Silent 2: Silent
09/21/1999 - 0:03:20 Producer: DeJong

SRC-000181 -1/1 **MISR & ASTER Animations**
Two animations showing the operation of the MISR instrument aboard the Terra Spacecraft followed by four animations showing the operation of the ASTER instrument aboard the same spacecraft.
Audience: Edu. NASA News Resource
Client: Diner and Abrams
Master: BCAMsp Submaster: DVCPro25
Audio 1: silent 2: silent
09/25/1999 - 0:04:00 Producer: Semerano

SRC-000183 -1/1 **Galileo Fly-By of Io, Orbit I-24**
Tape is made up of 4 animations:
I-24 Spacecraft & Satellite Position
I-24 Closest Approach to Io
Pan of C-21 Io Mosaic
Simulated Prometheus Eruption
Animation dated Oct.7,1999
Audience: Resource
Client: Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/06/1999 - 0:06:10 Producer: DeJong

SRC-000184 -1/1 **Galileo/Io Animations for SSU 11/19/99 - Final Version**
Pan of C-21 Io Mosaic
I-25 Closest Approach to Io
I-25 Spacecraft & Satellite Position
I-24 Spacecraft & Satellite Position
I-24 Closest Approach to IO
Animation by Eric DeJong/DIAL Lab
Audience: Resource
Client: Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/19/1999 - 0:10:00 Producer: DeJong

SRC-000186 -1/1 **Deep Space 2 Assembly in Cleanroom**
Assembly in cleanroom of DS-2 probes, shows assembly and soldering. Video shot by Photo Lab #9810-09
Audience: Resource
Client: Hardin
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
10/28/1998 - 0:05:50 Producer: Dawson

SRC-000187 -1/1 **Visuals for the Space Science Update on Io/Galileo**
Volcanic Moon Io Mirrors Earth's Past. Visuals created for the Galileo/IO SSU held at Headquarters 11/19/99. Still images and a zoom into a volcanic plume. Tape illustrates several imaging technologies.
Audience: Resource
Client: Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/17/1999 - 0:08:26 Producer: Dawson

SRC-000188 -1/1 **Mars Polar Lander Animation**
Showing Mars Polar Lander making a soft landing on the surface of Mars and beginning digging operations.
Animated by Jeff Alu. Modeled by Corby Waste.
Audience: JPL Resource
Client: MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/29/1999 - 0:02:00

SRC-000189 -1/1 **Mars Polar Lander Pre-Landing Press Events B-Roll,(12/1/99-12/2/99)**
Shot 16:9 HDTV
Audience: JPL Resource
Client:
Master: HDCam Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/01/1999 - 0:40:00 Producer: Postell

SRC-000190 -1/1 **Mars Polar Lander Pre-Landing Press Events B-Roll, 12/02/99**
Shot 16:9 HDTV
Audience: JPL Resource
Client:
Master: HDCam
Audio 1: Mono mix 2: Mono mix
12/02/1999 - 0:40:00 Producer: Postell

SRC-000191 -1/1 **Mars Polar Lander Pre-Landing Press Events 12/2/99 & 12/3/99**
Control Room 12/3/99 up to 11:35 AM
B-Roll Footage
Shot 16:9 HDTV
Audience: JPL Resource Site: JPL
Client: MRO/Frank O'Donnell, Org. 1810

Master: HDCam
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 0:40:00 Producer: Lindblom

SRC-000192 -1/1 **Mars Polar Lander Control Room, 12/3/99 (11:40 AM - 2:40 PM)**
Pre-landing B-roll, raw footage
Shot 16:9 HDTV
Audience: JPL Resource Site: JPL
Client: MRO/Frank/O'Donnell, Org. 1810
Master: HDCam Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 0:40:00 Producer: Lindblom

SRC-000197 -1/1 **Mars Polar Lander Control Room, 12/3/99**
Through DS2 Midnight Pass
Shot 16:9 HDTV
Audience: JPL Resource Site: JPL
Client: MRO/Frank O'Donnell, Org. 1810
Master: HDCam Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 0:40:00 Producer: Lindblom

SRC-000198 -1/1 **Zoom Into IO Animation**
Animation created for a talk Dr. Torrence Johnson is to give at the 1999 AGU Conference in San Francisco, California on Thursday, 12/16/1999. Image zoom/dollies from a full shot of Io to a B&W super of a gigantic volcanic hot spot. This B&W image becomes a color image.
Audience: JPL Resource
Client: Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/14/1999 - 0:01:20 Producer: Semerano

SRC-000200 -1/1 **Terra Spacecraft Launch Aboard an Atlas Launch Vehicle**
Terra Spacecraft with two JPL instruments, MISR and ASTER, successfully launched. Recorded off NASA TV.
Audience: Resource
Client: Dave Diner
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/18/1999 - 0:37:37 Producer: Semerano

SRC-000201 -1/1 **ACRIMSAT Launch coverage from Vandenberg AFB**
Korean Launch coverage of ACRIMSAT (Active Cavity Radiometer Irradiance Monitor) from Vandenberg AFB. Starts at minus 7

minutes to +3 minutes.
Audience: Gen. Resource Site: NASA TV
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/20/1999 - 0:10:00

SRC-000202 -1/1 **Galileo Shake Test - Test #77**
Film transfer.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: 2:
02/27/1992 - 0:20:50

SRC-000203 -1/1 **Visualization of Dynamic Volcanic Processes**
The Advance of Lava Flows in the Kamoamoa Flow Field, Kilauea Volcano, Hawaii. The two animations were created from airborne multispectral scanner data collected over the Kamoamoa Flow Field of Kilauea Volcano between September 3 and September 17, 1995. At that time new surface flows were advancing down the flow field en route to the Pacific Ocean. Our animations, which depict the motion of these flows, were created from sequence of ten multispectral images. Commercial, off the shelf software was used to interpolate the positions of the lava flows in the intervals between the dates covered by the ten multispectral images and render an animated perspective view of the flow field and active lava flows. Animation is an effective tool for visualizing time series data sets. Such data will become more commonplace in the era of NASA's Earth Observing System (EOS) missions.
Audience: JPL Resource Site: Hawaii
Client: Steven L. Adams
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/17/1900 - 0:04:35

SRC-000204 -1/1 **Deep Impact Encounter Animation (Revised 8/23/00)**
Animation showing trajectory, impactor release, correction towards a comet, impact with comet and flyby of spacecraft photographing result.
Audience: Gen. Edu. JPL NASA News Resource
Client: Rountree-Brown
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/26/2000 - 0:01:20 Producer: Semerano

SRC-000205 -1/1 **SIRTF Animations**
A series of animations showing the SIRTF spacecraft orbiting the sun, imaging the Orion constellation, imaging planets around a distant star, with a cut-away depicting how the telescope is cooled, and with Earth in background.
Note: Renamed "The Spitzer Space Telescope"
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
01/26/2000 - 0:02:30 Producer: Semerano

SRC-000207 -1/2 **STS-99 SRTM Boom Mast Deploy**
STS-99 SRTM (Shuttle Radar Topography Mapper) Boom Mast Deployment. Tape 1 contains live coverage of the mast extending from the canister. Deployment lasts 20 minutes.
Audience: Resource
Client: Mona Jasnow
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/11/2000 - 0:30:00

SRC-000207 -2/2 **STS-99 SRTM Boom Mast Deploy**
STS-99 SRTM(Shuttle Radar Topography Mapper) Boom Mast Deployment. Tape 2 contains live coverage of the unfurling of the radar mast.
Audience: Resource
Client: Mona Jasnow
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/11/2000 - 0:30:00

SRC-000208 -1/2 **TOPEX/Poseidon Launch on Ariane V52P**
TOPEX/Poseidon was launched into Earth's orbit by an Ariane V52P rocket from the European Space Agency's Space Center located in Kourou, French Guiana -- the first launch of a NASA payload from this site.
Audience: Resource
Client:
Master: BCAM
Audio 1: Mono mix 2: Mono mix
PAL format
08/10/1992 - 0:30:00 Producer: ESA

SRC-000208 -2/2 **TOPEX/Poseidon Launch on Ariane V52P**

Part 2 of 2.
Audience: Resource
Client:
Master: BCAM
Audio 1: Mono mix 2: Mono mix
PAL format
08/10/1992 - 0:20:00 Producer: ESA

SRC-000209 -1/3 **STS-99 SRTM Flight Day Highlights Days 1-5**
Various Astronaut shots and animations regarding the Shuttle Radar Topography Mission (SRTM). Contains launch of shuttle and deployment of mast. Shuttle launched 2/11/00
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/16/2000 - 1:20:00 Producer: JSC

SRC-000209 -2/3 **STS-99 SRTM Flight Day Highlights Days 6-9**
Various Astronaut shots and animations regarding the Shuttle Radar Topography Mission (SRTM).
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/16/2000 - 1:21:00 Producer: JSC

SRC-000209 -3/3 **STS-99 SRTM Flight Day Highlights Days 10-11**
Various Astronaut shots and animations regarding the Shuttle Radar Topography Mission (SRTM). Contains retraction of boom and shuttle landing. Shuttle landed on 2/22/2000.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/16/2000 - 0:38:50 Producer: JSC

SRC-000210 -1/1 **MGS South Polar Cap Mosaics - Video File**
Mosaic images of the Martian South Polar Caps taken by the Mars Global Surveyor (MOC2-223). Images show the exotic, layered terrain thought to be made up of carbon dioxide, water and fine dust.
Audience: News Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

04/07/2000 - 0:01:06 Producer: Semerano

SRC-000211 -1/1 **SRTM Simulated Flight Along the Garlock and San Andreas Faults, CA.**

This Shuttle Radar Topography Mission (SRTM) computer animation begins looking down on a region of California located East of Bakersfield and West of Lancaster and Palmdale. North is approximately to the right of the frame. The San Gabriel & Tehachapi Mountains form an inverted "V" frame. A radar derived digital elevation map and a high resolution Thematic Mapper (TM) image enable us to create two simulated flights; one along the Garlock and the other along the San Andreas Fault. We end each flight at Mount Pinos. The SRTM elevation map identifies the height of 1.5 to enhance small scale features. The natural color of the terrain is created by combining several TM image bands.
Audience: Resource Site: JPL/DIAL
Client: Shigeru Suzuki
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/20/1900 - 0:02:38 Producer: DeJong

SRC-000213 -1/1 **The 1999 Hurricane Season Observed by QuikSCAT**
Visualization of QuikSCAT data including 1999 hurricanes Bret, Cindy, Dennis, Greg, Floyd, Gert, Hilary, and Harvey created by authors:
W. Timothy Liu, Hua Hu, Wenging Tang
Audience: News Resource Site: FTP(Quicktime)
Client: Hua Hu
Master: BCAMsp
Audio 1: silent 2: silent
07/17/2000 - 0:03:17 Producer: Hanchett

SRC-000214 -1/1 **Mars 2003 Spacecraft Trajectory Paths**
Short animation showing trajectory paths of the two Mars Lander spacecrafts scheduled for launch in 2003. View is from north of the ecliptic looking down.
Audience: News Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: silent 2: silent
08/06/2000 - 0:00:30 Producer: Semerano

SRC-000216 -1/1 **Deep Impact ICON Animation**
Animation showing trajectory of the Deep Impact Mission.
Audience: Resource

Client: Rountree-Brown
Master: BCAMsp
Audio 1: Silent 2: Silent
08/23/2000 - 0:01:00 Producer: Semerano

SRC-000218 -1/1 **LASR Animation**
A computer animation showing the deployment of the Large Aperture Spaceborne Radar (LASR). LASR is a system of autonomous antenna panels that together constitute a scalable wide bandwidth radar as well as spacecraft. The autonomous panels of the LASR design are completely self-contained.
Audience: Tech. Resource Site: JPL
Client: Suzanne Spitz
Master: BCAMsp
Audio 1: Silent 2: Silent
08/26/2000 - 0:02:49 Producer: Semerano

SRC-000219 -1/1 **Shuttle Radar Topography Mission (SRTM) flyover of New York**
A narrated simulated flight from Syracuse, New York to Manhattan using SRTM C-band topography and Thematic Mapper imagery.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/26/2000 - 0:02:20 Producer: De Jong

SRC-000220 -1/1 **Gamma-Ray Large Area Space Telescope**
Animation of the Gamma-Ray Large Area Space Telescope unfolding its solar panels and extending its antenna while in orbit around Earth
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
09/29/2000 - 0:00:30 Producer: Semerano

SRC-000221 -1/1 **GALEX Telescope**
B-Roll of the GALEX Telescope in Bldg 306 low bay clean room.
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/27/2000 - 0:14:00 Producer: Semerano

SRC-000222 -1/1 **STS-99 SRTM Image Data Dub Room in the Material Processing Lab.**
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/07/2000 - 0:03:00 Producer: Johnson Controls, Inc

SRC-000226 -1/1 **DSS 14-Mars Station 64-meter Antenna Construction Time Lapse Film**
Time lapse of the construction from the ground up. The Deep Space Network (DSN) Antenna is located at Goldstone, California. The Antenna was upgraded to 70 meters in 1988
Audience: Resource Site: Goldstone CA
Client: Shirley Wolff, Org. 1830
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/01/1966 - 0:03:39

SRC-000229 -1/4 **Dr. Edward Stone Interviewed by Blaine Baggett**
HDTV 1080i raw takes.
Dr. Edward Stone, Director of the Jet Propulsion Laboratory (JPL), Jan. 1991-Apr. 2001, talks about his career. Casual interview, shot in his office at JPL.
Audience: Resource Site: Stone's Office
Client: B. Baggett, Org. 1800
Master: HDCam
Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:28:38 Producer: Bridges

SRC-000229 -2/4 **Dr. Edward Stone Interviewed by Blaine Baggett**
Part 2 of 4
Audience: Resource Site: Stone's Office
Client: B. Baggett, Org. 1800
Master: HDCam
Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:29:31 Producer: Bridges

SRC-000229 -3/4 **Dr. Edward Stone Interviewed by Blaine Baggett**
Part 3 of 4
Audience: Resource Site: Stone's Office
Client: B. Baggett, Org. 1800
Master: HDCam
Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:28:50 Producer: Bridges

SRC-000229 -4/4 **Dr. Edward Stone Interviewed by Blaine Baggett**

Part 4 of 4
Audience: Resource Site: Stone's Office
Client: B. Baggett, Org. 1800
Master: HDCam
Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:20:00 Producer: Bridges

SRC-000230 -1/4 **Dr. Edward Stone Interviewed by Blaine Baggett**
Betcam SP raw takes.
Dr. Edward Stone, Director of the Jet Propulsion Laboratory (JPL), Jan. 1991-Apr. 2001, talks about his career. Casual interview, shot in his office at JPL.
Audience: Resource Site: Stone's Office
Client: Blaine Baggett, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:28:38 Producer: Bridges

SRC-000230 -2/4 **Dr. Edward Stone Interviewed by Blaine Baggett**
Part 2 of 4
Audience: Resource Site: Stone's Office
Client: Blaine Baggett, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:29:31 Producer: Bridges

SRC-000230 -3/4 **Dr. Edward Stone Interviewed by Blaine Baggett**
Part 3 of 4
Audience: Resource Site: Stone's Office
Client: Blaine Baggett, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:28:50 Producer: Bridges

SRC-000230 -4/4 **Dr. Edward Stone Interviewed by Blaine Baggett**
Part 4 of 4
Audience: Resource Site: Stone's Office
Client: Blaine Baggett, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:15:22 Producer: Bridges

SRC-000233 -1/1 2 **2001 Mars Odyssey Assembly Activities from KSC**
Audience: Resource Site: KSC
Client: Hardin

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/05/2001 - 0:26:00 Producer: KSC

SRC-000234 -1/1 **B-Roll footage of Mars Odyssey Pre-Launch**
Tower rollback, blockhouse shots and Press Site with liftoff. Shot by KSC staff.
Audience: Gen. Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/06/2001 - 0:15:00 Producer: KSC

SRC-000236 -1/1 **NASA VideoFile - The Planet Earth NASA remote Sensing Legacy**
Dramatic zooms from Earth orbit to various cities in the United States. Using imaging from three spacecraft shows the zooms as well as changes on the earth over time. Interviews with participating scientists follow the footage. An SRTM flyover of Santa Barbara Calif. is on last 1:28.
Audience: Gen. Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/16/2001 - 0:44:25 Producer: NASA

SRC-000237 -1/1 **Mars Odyssey Launch HDTV Tracker camera**
Footage of launch from Sony HDCam on tracker. Shot by Walt Lindblom of MSFC.
Audience: Resource Site: KSC
Client:
Master: HDCam Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/07/2001 - 0:07:00

SRC-000238 -1/1 **Genesis, Arrival at Shuttle Landing Facility (SLF), Night Coverage**
KSC Number 01-0207
Aerospace Imaging/Johnson Controls, Inc.
www.aerospaceimaging.com
Audience: NASA Resource Site: KSC
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/31/2001 - 0:06:00 Producer: KSC

SRC-000239 -1/1 **Genesis, Unpacking & Moving to Stand, Payload Hazardous Servicing Fac.**

KSC Number 01-0210
Aerospace Imaging/Johnson Controls, Inc.
www.aerospaceimaging.com
Audience: NASA Resource Site: KSC
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/01/2001 - 0:12:00 Producer: KSC

SRC-000240 -1/1 **Genesis, Solar Panel Development, Payload Hazardous Servicing Facility**

KSC Number 01-0215
Aerospace Imaging/Johnson Controls, Inc.
www.aerospaceimaging.com
Audience: Resource Site: KSC
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/04/2001 - 0:04:00 Producer: KSC

SRC-000241 -1/1 **Genesis,UHF Antenna Installation, Payload Hazardous Servicing Facility**

KSC Number 01-0216
Aerospace Imaging/Johnson Controls, Inc.
www.aerospaceimaging.com
Audience: NASA Resource Site: KSC
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/06/2001 - 0:08:00 Producer: KSC

SRC-000242 -1/1 **Genesis Delta First Stage Erection, Complex 17A**

KSC Number 01-0223
Aerospace Imaging/Johnson Controls, Inc.
www.aerospaceimaging.com
Audience: NASA Resource Site: KSC
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/12/2001 - 0:04:50 Producer: KSC

SRC-000243 -1/1 **Genesis, Delta Solid Rocket Boosters, Erect at Complex 17A**

KSC Number 01-0225
Aerospace Imaging/Johnson Controls, Inc.
www.aerospaceimaging.com
Audience: NASA Resource Site: KSC

Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/13/2001 - 0:11:00 Producer: KSC

SRC-000244 -1/1 **Genesis, Payload Hazardous Servicing Facility (PHSF) Press Show**
KSC Number 01-0227
Aerospace Imaging/Johnson Controls, Inc.
www.aerospaceimaging.com
Audience: NASA Resource Site: KSC
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/13/2001 - 0:03:50 Producer: KSC

SRC-000255 -1/1 **Voyager Saturn/Neptune Animations - Magnetosphere & Trajectory**
1. Voyager alone in space moving bottom right to top left -length 0:22
2. Reverse move -length 0:22
3. Neptune rotating with moons then adding Magnetosphere lines -length 0:51
3. Trajectory of Voyager 1 & 2 -length 1:00
4. Saturn - POV of flying thru rings twice -1:05
Note: some animation repeated several times
Audience: Resource
Client:
Master: 1"C
Audio 1: Silent 2: Silent
07/25/1990 - 0:10:45

SRC-000256 -1/1 **Rosetta Spacecraft Animation from ESA**
European Space Agency (ESA) animation was created in June 1999. Sequence A is of Comet Wirtanen soaring through space; Sequence B is of Rosetta arriving near Comet's path; Sequence C shows lander being released from Rosetta. The last sequences show lander on surface of comet.
Audience: Resource
Client: MIRO/Webster
Master: BCAMsp
Audio 1: Silent 2: Silent
08/15/2001 - 0:03:40 Producer: Savona

SRC-000257 -1/1 **Delta, Genesis Launch**
Audience: NASA Resource Site: KSC
Client: KSC, Org. KSC
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
08/08/2001 - 0:03:00 Producer: KSC

SRC-000258 -1/1 **Genesis Pre Launch Compilation**
Compilation of Genesis pre launch activities spacecraft testing, Delta II assembly, rocket stage erection and roll out to Complex 17 A.
Footage is in chronological order from 6/13 to 8/2/01.
Audience: Resource Site: KSC
Client: Heil
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/22/2001 - 1:07:00 Producer: KSC

SRC-000259 -1/2 **Mars Odyssey Launch Coverage from JPL**
Control Room shots of JPL MSA during launch and after switch to JPL for signal acquisition for Mars Odyssey spacecraft. Edited for AVC 2001-055. Shots of Dave Spencer, Marla Thorton, Al Nakata, Bob Mace and others in 264-MSA. JPL Program begins at 40:16.
Audience: Resource Site: JPL 264-231
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/13/2001 - 1:30:00 Producer: Beck

SRC-000259 -2/2 **Mars Odyssey Launch Coverage from JPL**
Control Room shots of JPL MSA during launch and after switch to JPL for signal acquisition for Mars Odyssey spacecraft. Edited for AVC 2001-055. Shots of Dave Spencer, Marla Thorton, Al Nakata, Bob Mace and others in 264-MSA.
Audience: Resource Site: JPL 264-231
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/13/2001 - 0:28:10 Producer: Beck

SRC-000260 -1/1 **Jason Arrival at Vandenberg Air Force Base, Raw Footage**
Coverage of the arrival of the Jason spacecraft to Vandenberg Air Force Base in California. Recorded on August 17, 2001.
Audience: Resource
Client: Sullivant
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/07/2001 - 0:08:28 Producer: John Demko

SRC-000264 -1/1 **Deep Impact Separation and De-Spin Animation**

The animation opens with the joint flyby and impactor spacecraft before separation from the third stage. The Boeing Delta 2925 uses a spin-stabilized Star 48 upper stage to provide the final energy and injection accuracy, sending Deep Impact on an 18 month journey towards comet Tempel 1. But before releasing the spacecraft the launch vehicle must despin the system from approximately 60 rpm to less than 5 rpm. This is accomplished using a yo-yo despin system which unwraps two cable-weight assemblies, raising the mass inertia, and slowing the system cable-weight assemblies, raising the mass inertia, and slowing the system in a manner not unlike an ice skater throwing her arms out to slow her rotation.

Following third stage separation the Deep Impact flight system deploys it's two solar array panels and stabilizes itself by firing its reaction control thrusters. The flight system then enters sun-acquisition mode and begins electrical power generation necessary for the long voyage.

Audience: Gen. Resource Site: Boulder, CO
Client: M. Roundtree-Brown
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
10/09/2001 - 0:03:14 Producer: All Video Prod.

SRC-000266 -1/1 **DSN Antennas Distribution Around the Earth**

A short animation showing the placement on the Earth of the Goldstone, Madrid and Canberra large antennas.

Audience: Resource
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/29/2001 - 0:00:30 Producer: Semerano

SRC-000272 -1/1 **Jason 1 Animation - Edited with Narration & Music**

SRC272 was edited & tracked by Raytheon to create a DVC tape. This tape is made from the DVC tape.
Use this as dubbing master.
********** NOTE: You must ride the video & setup during dubbing to compensate for errors in the original DVC tape.
****

Audience: Resource
Client: Srinivasan
Master: DV Submaster: BCAMsp
Audio 1: Stereo 2: Stereo

11/12/2001 - 0:05:00 Producer: Kline

SRC-000273 -1/1 **Jason-1 launch coverage from Vandenberg AFB**
Jason-1 launch coverage from Vandenberg AFB. Launch occurs at 7:07 am. Launch occurs approx. 49 minutes into tape. Coverage includes animations and b-roll footage.
Audience: Gen. Resource Site: Vandenberg AFB
Client: Annie Richardson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/2001 - 1:30:00 Producer: Kline

SRC-000275 -1/1 **Genesis/Delta II Launch with Playbacks**
NASA Release KSC-TV
Audience: NASA Resource
Client: NASA HQ
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/08/2001 - 1:05:00 Producer: NASA HQ

SRC-000277 -1/1 **SRTM Rose Bowl Flyover**
Data from the Shuttle Radar Topography Mission is combined with Landsat Thematic Mapper data and aerial photography to create a 3-dimensional flyover of Pasadena, California, and the Rose Bowl.
Audience: JPL NASA News Resource
Client: Buis
Master: BCAMsp
Audio 1: MOS 2: MOS
12/27/2001 - 0:01:00 Producer: Michael Kobrick

SRC-000280 -1/1 **Solar Powered Satellite**
Three animations showing a future concept satellite orbiting Earth and collecting energy from the Sun and redirecting it through a concentrated beam to power a spacecraft in flight as well as provide electrical energy back on Earth.
Audience: Tech. Resource Site: JPL
Client: Leo Didomenico
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/28/2002 - 0:01:39 Producer: Semerano

SRC-000282 -3/3 **NASA Day for Students**
Rep. Adam Schiff (D-CA) participated along with approximately 200 eighth grade students from his district. The event was presented by the Distance Learning Outpost

staff at JSC. The program was telecasted from JSC and featured a educational virtual tour of the International Space Station.
Audience: JPL NASA Resource Site: JPL/von Kármán
Client: Patty Rhee, Org. 107
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/01/2002 - 2:00:00 Producer: Bridges

SRC-000314 -1/1 **Aerials of JPL from Coptervision**
Shots begin from looking down on the arroyo and ending on full shot of the lab.
Full shot of mars rover in Mars Yard as camera pulls out from high above yard revealing the lab.
Footage shot by Coptervision Inc. 16:9 Film.
Best takes at 3:40, 4:00 and 4:55
Audience: Resource Site: JPL
Client: JPL
Master: HDCam Submaster: BCAMsp
Audio 1: Silent 2: Silent
LETTERBOX
03/05/2002 - 0:05:20 Producer: Dawson

SRC-000315 -1/3 **JPL Footage from Coptervision**
Traveling shot from East Lot of lab.
From Dam looking at lab very wide at Sunrise.
Originally shot in 16:9 Film.
Audience: Resource Site: JPL
Client: JPL
Master: HDCam
Audio 1: Wild 2: Wild
LETTERBOX
03/05/2002 - 0:40:00 Producer: Dawson

SRC-000315 -2/3 **JPL Footage from Coptervision**
East Lot shot of lab at Sunrise.
From Dam looking at lab very wide at Sunrise.
Rollervision shot crossing rockets.(no audio)
Rollervision shot In-Situ lab. (no audio)
Audience: Resource Site: JPL
Client: JPL
Master: HDCam Submaster: BCAMsp
Audio 1: Wild 2: Wild
LETTERBOX
03/05/2002 - 0:40:00 Producer: Dawson

SRC-000315 -3/3 **JPL Footage from Coptervision**
Mall shots on Rollervision.
Original is in HDCam Format.
Audience: Resource Site: JPL
Client: JPL
Master: HDCam Submaster: BCAMsp
Audio 1: Silent 2: Silent
LETTERBOX
03/05/2002 - 0:10:00 Producer: Dawson

SRC-000316 -1/2 **Goldstone Footage from Coptervision**
Rollervision shots of Mars site.
Originally shot in 16:9 Film.
Audience: Resource Site: JPL
Client: JPL
Master: HDCam Submaster: DVCPro50
Audio 1: Silent 2: Silent
03/07/2002 - 0:40:00 Producer: Savona

SRC-000316 -2/2 **Goldstone Footage from Coptervision**
Apollo, Venus and Echo sites.
Rollervision Shots of sites and static shots from hillside overlooking Apollo site.
Static shots of Echo site.
Originally shot in 16:9 Film.
Audience: Resource Site: JPL
Client: JPL
Master: HDCam Submaster: BCAMsp
Audio 1: Silent 2: Silent
03/07/2002 - 0:40:00 Producer: Savona

SRC-000325 -1/1 **High Definition Footage of 180 Exterior & 230 Interior B-roll**
Shots in mall panning to 180. Interiors of 230 dark room.
Audience: Resource Site: JPL
Client: Blaine Baggett
Master: HDCam Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
HD CAM FORMAT
01/20/2002 - 0:30:00 Producer: Savona

SRC-000326 -1/1 **Coptervision at Goldstone for the 40th Anniversary**
Aerial footage of the Mars site, 70 meter dish.
Apollo valley 24, 25 and 26 dishes.
34 meter and 70 meter in bkg. or Uranus site.
Venus site.
Originally shot in 16:9 Film.

Audience: Resource Site: Goldstone
Client: Blaine Baggett
Master: HDCam Submaster: DVCPro25
Audio 1: Silent 2: Silent
LETTERBOX
04/03/2002 - 0:12:20 Producer: Dawson

SRC-000327 -1/4 **B-Roll of DIAL Conference Room and User Area from Camera Ready Prod.**

Steadicam footage for JPL's 40 year anniversary documentary. First location is building 168 conference room, Eric De Jong talking in front of audience. Second location also building 168, shows engineers in user area in front of computer monitors. Original is in HDCam Format.
Audience: Resource Site: JPL
Client: Blaine Baggett
Master: HDCam
Audio 1: Nat. 2: Nat.
LETTERBOX
04/08/2002 - 0:35:00 Producer: Gary Savona

SRC-000327 -2/4 **B-Roll of Cliffbot, Visitors Ctr., and Shaker Lab from Camera Ready**
Steadicam footage for JPL's 40 year anniversary documentary. Building 82: Cliffbot climbing up hill. Building 177: Shots of visitors signing-in with Bobbie and Danae. Building 144: Large shaker with operator followed by smaller shaker with two operators.
Audience: Resource Site: JPL
Client: Blaine Baggett
Master: HDCam Submaster: DVCPro25
Audio 1: Nat. 2: Nat.
LETTERBOX
04/08/2002 - 0:39:00 Producer: Gary Savona

SRC-000327 -3/4 **B-Roll of Project Design Ctr., Antenna Labs, Mars Yard from Camera Rdy**

Steadicam and Jimmy Jib footage for JPL's 40 year anniversary documentary. Project Design Center of designers at monitors. Mesa shots of Cloud Sat. antenna with engineer and Bell Jar testing lab. Mars Yard of FIDO in action using Jimmy Jib. Building 299: Inflatable Antennas using Jib.
Audience: Resource Site: JPL
Client: Blaine Baggett
Master: HDCam
Audio 1: Nat. 2: Nat.
LETTERBOX

04/08/2002 - 0:40:00 Producer: Gary Savona

SRC-000327 -4/4 **B-Roll of Solar Antennas, SFOF Mission Ops. from Camera Ready Prods.**

Steadicam and Jimmy Jib footage for JPL's 40 year anniversary documentary. Mesa shots of Cloud S with engineer and Bell Jar testing lab. Mars Yard of FIDO in action using Jimmy Jib. Building 299: Solar Sail and Antennas using Jimmy Jib. And a outside shot of In-situ lab.
Audience: Resource Site: JPL
Client: Blaine Baggett
Master: HDCam
Audio 1: Nat. 2: Nat.
LETTERBOX
04/08/2002 - 0:30:00 Producer: Gary Savona

SRC-000334 -1/1 **Journey to the Planets Animations in High Def. & NTSC Letterbox**
Opening title-:20, Cassini Spacecraft turning-:20, Cassini releasing Huygens probe to Saturn-:20, Cassini passing rings of Saturn-:20, Deep Impact into comet-:20, Deep Impact releases impactor-:20, Impactor maneuvering in space-:15, Deep Space 1 at comet-1:00, Galileo passing camera-:20, Flying through stars and dust-:17, Terrestrial Planet Finder-:25, Jason over the Earth-:20, Zoom out from Earth-:10, Space Interferometry Mission(SIM)-:26, Space Infrared Telescope Facility(SIRTF)-:25, Solar System Formation-:44, Stardust Mission-:24, Titan atmosphere and probe descending-:20, Interferometer concept-:10, Galileo Trajectory-:28,
Audience: Resource
Client: Blaine Baggett
Master: HDCam Submaster: BCAMsp
Audio 1: Silent 2: Silent
HDCAM FORMAT & AVAILABLE IN NTSC LETTERBOX
05/13/2002 - 0:08:26 Producer: Savona

SRC-000335 -1/1 **The Galaxy Evolution Explorer (GALEX) Instrument B-Roll**
GALEX in clean room.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/07/2001 - 0:12:06 Producer: Savona

SRC-000337 -1/13 **Deep Space - 1 (Activities) Press Showing in the PHSF**
Audience: Resource Site: KSC

Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/29/1998 - 0:05:35 Producer: KSC

SRC-000337 -2/13 **Deep Space - 1 (Activities) Press Showing in the PHSF**
Deep Space - 1 Press Showing in the PHSF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/29/1998 - 0:06:06 Producer: KSC

SRC-000337 -3/13 **Deep Space - 1 (Activities) Lift and Move to Transporter**
Deep Space - 1 Lift and move to Transporter.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/30/1998 - 0:04:51 Producer: KSC

SRC-000337 -4/13 **Deep Space - 1 (Activities) Moved to the DPF.**
Deep Space - 1 Moved to the DPF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/01/1998 - 0:07:00 Producer: KSC

SRC-000337 -5/13 **Deep Space - 1 (Activities) Spin Test in the DPF.**
Deep Space - 1 Spin test in the DPF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/02/1998 - 0:02:20 Producer: KSC

SRC-000337 -6/13 **Deep Space - 1 (Activities) In DPF Spin by Hand.**
Deep Space - 1 In DPF spin by hand.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/02/1998 - 0:04:04 Producer: KSC

SRC-000337 -7/13 **Deep Space - 1 (Activities) Mate to Motors at the DPF.**

Deep Space - 1 Mate to Motors at the DPF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/07/1998 - 0:05:00 Producer: KSC

SRC-000337 -8/13 **Deep Space - 1 (Activities) Canning at the DPF East Bay**
Deep Space - 1 Canning at the DPF East Bay.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/10/1998 - 0:09:00 Producer: KSC

SRC-000337 -9/13 **Deep Space - 1 (Activities) Moved from the DPF to Delta launch**
Deep Space - 1 Moved from the DPF to Delta launch complex 17-A and uncovered.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/12/1998 - 0:05:00 Producer: KSC

SRC-000337 **Deep Space - 1 (Activities) Fairing Installation at Launch Complex**
Deep Space - 1 Fairing installation at launch complex 17-A, Delta.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/16/1998 - 0:08:00 Producer: KSC

SRC-000337 **Deep Space - 1 (Activities) Pre-launch**
Deep Space - 1 Pre-launch activities.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/1998 - 0:06:52 Producer: KSC

SRC-000337 **Deep Space - 1 (Activities) Pre-launch**
Deep Space - 1 Pre-launch activities.
Audience: Resource Site: KSC
Client:
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
10/24/1998 - 0:06:52 Producer: KSC

SRC-000337 **Deep Space - 1 (Activities) S/C and Launch Vehicle Flow to Pre-launch**
Deep Space - 1 S/C and Launch Vehicle flow up to Pre-launch.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/25/1998 - 0:30:00 Producer: KSC

SRC-000338 -1/18 **Stardust - (Activities) Arrival and Offload then Moved to the P**
STARDUST Arrival and offload then moved to the PHSF and uncovered.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/12/1998 - 0:16:00 Producer: KSC

SRC-000338 -2/18 **Stardust - (Activities) Removal of Solar Panels from Stardust**
STARDUST - Removal of solar panels from Stardust.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/13/1998 - 0:04:00 Producer: KSC

SRC-000338 -3/18 **Stardust - (Activities) Science Panel Rotation in the PHSF**
Delta Stardust science panel rotation in the PHSF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/02/1998 - 0:03:00 Producer: KSC

SRC-000338 -4/18 **Stardust - (Activities) Sample Return at the PHSF**
Stardust sample return at the PHSF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1998 - 0:03:00 Producer: KSC

SRC-000338 -5/18 **Stardust - (Activities) Aerogel Return Capsule Opened in the PHSF**
Stardust Aerogel return capsule opened in the PHSF.

Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/15/1998 - 0:03:30 Producer: KSC

SRC-000338 -6/18 **Stardust - (Activities) Stardust in the PHSF**
Stardust in the PHSF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/21/1998 - 0:06:30 Producer: KSC

SRC-000338 -7/18 **Stardust - (Activities) 1st Stage Erection at Launch Complex 17-B**
Delta Stardust 1st stage erection at launch complex 17-B.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/05/1999 - 0:06:30 Producer: KSC

SRC-000338 -8/18 **Stardust - (Activities) Solids Erection at Launch Complex 17-B**
Delta Stardust Solids Erection at launch complex 17-B.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/06/1999 - 0:03:00 Producer: KSC

SRC-000338 -9/18 **Stardust - (Activities) Solids Stacking at Launch Complex 17-A**
Delta Stardust solids stacking at launch complex 17-A.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/07/1999 - 0:04:30 Producer: KSC

SRC-000338-10/18 **Stardust - (Activities) Lift and Payload Rotation at the PHSF**
Delta, Stardust lift and payload rotation at the PHSF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/11/1999 - 0:03:30 Producer: KSC

SRC-000338-11/18 **Stardust - (Activities) Deploy Panel and Lighting Test at the PHSF**
Delta, Stardust deploy panel and lighting test at the PHSF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/11/1999 - 0:05:00 Producer: KSC

SRC-000338-12/18 **Stardust - (Activities) Second Stage Erection at Launch Complex 17-A**
Delta, Stardust second stage erection at launch complex 17-A.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/14/1999 - 0:07:00 Producer: KSC

SRC-000338-13/18 **Stardust - (Activities) Press showing at the PHSF**
Delta, Stardust press showing at the PHSF.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/22/1999 - 0:02:30 Producer: KSC

SRC-000338-14/18 **Stardust - (Activities) Mate to 3RD Stage**
Delta, Stardust Mate to 3RD Stage.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/26/1999 - 0:05:00 Producer: KSC

SRC-000338-15/18 **Stardust - (Activities) Video Camera Installed on Second Stage**
Delta, Stardust video camera installed on second stage at launch complex 17-A.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/26/1999 - 0:03:00 Producer: KSC

SRC-000338-16/18 **Stardust - (Activities) Canning and Lift to Transport at the PHSF**
Delta, Stardust canning and lift to transport at the PHSF.
Audience: Resource Site: KSC
Client:

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/27/1999 - 0:04:30 Producer: KSC

SRC-000338-17/18 **Stardust - (Activities) Moved from the PHSF to Launch 17-A**
Delta, Stardust moved from the PHSF to launch complex 17-A for lift and mate to second stage.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/28/1999 - 0:11:30 Producer: KSC

SRC-000338-18/18 **Stardust - (Activities) Fairing Installation at Launch Complex 17-A**
Delta, Stardust fairing installation at launch complex 17-A.
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/02/1999 - 0:06:00 Producer: KSC

SRC-000339 -1/1 **Deep Impact Animation Compilation**
SRC-000204 Deep Impact Animation - 1:20 Min.
SRC-000216 Deep Impact Icon Animation - :60 Sec.
SRC-000264 Deep Impact Separation and De-Spin Animation - 3:14 Min.
Audience: JPL Resource Site: JPL
Client: Maura Rountree-Brown
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/14/2002 - 0:06:00 Producer: Semerano

SRC-000341 -1/1 **NASA's Sun Earth Connection Highlight Tape**
This Highlight tapes shows dramatic changes on the sun during its active point "Solar Maximum" in 2000 and 2001. Contains images of Solar flares, Sun spots, Coronal Mass Ejections (CME) taken from the SOHO, IMAGE, and YOHKOH spacecrafts.
*With Time Code and Window Burn
Audience: Gen. Edu. Resource
Client: NASA TV
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/03/2002 - 0:59:40 Producer: GSFC/R Weintaub

SRC-000342 -1/1 **JASON-1 /TIMED Pre-Launch and Launch Highlights**

Coverage of the JASON-1 /Timed pre-launch and launch activities. Accompanied b-roll includes mission animation, launch vehicle preparation, and final spacecraft testing. On-board camera coverage included in launch segment from liftoff to final stage separation.
Audience: Gen. Edu. NASA Resource
Client: M. Srinivasan
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/03/2002 - 0:35:00 Producer: KSC

SRC-000343 -1/1 **55 Cancri - Web Production**
Animation showing the 55 Cancri solar system.
Audience: Resource Site: JPL
Client: Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: silent 2: silent
06/08/2002 - 0:02:15 Producer: Alu/Semerano

SRC-000344 -1/1 **Interferometry Animations**
Five animations with labels showing the basic concepts of interferometry including an animation of a proposed spacecraft designed to make measurements to detect planets around other stars.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/30/2002 - 0:04:00 Producer: Semerano

SRC-000346 -1/1 **"Voyager" and "Summary of the Ranger VII, VIII and IX Television Pic."**
High quality transfers by Complete Post, 9/4/84 of two JPL Films:
"Voyager"-1984 25:00, AVC-1984-005, JPL 1113
(mission to Jupiter & Saturn, later to Uranus & Neptune)
"Summary of the Ranger VII, VIII and IX Television Pictures"-1965 29:30, AVC-1992-152, JPL 693
(impacted the Moon 1964 & 1965)
Audience: Gen. Resource
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/04/1984 - 0:46:00

SRC-000348 -1/1 **Voyager Animations**

Eight Voyager animations created for the 40th JPL anniversary production.
1. Voyager in orbit around Earth 20 seconds
2. Voyager 2 trajectory 20 seconds
3. Voyager traveling in space 20 seconds
4. Voyager approaching Jupiter 20 seconds
5. Voyager departing Jupiter 20 seconds
6. Voyager passing Saturn 40 seconds
7. Voyager approaching Uranus 30 seconds
8. Voyager departing Uranus 30 seconds
9. Voyager passing over Neptune and going out of the ecliptic plane 30 seconds
10. Voyager in space, close-up of record and pull out 22 seconds
Audience: Resource
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/18/2002 - 0:05:00 Producer: Semerano

SRC-000356 -1/1 **SeaWinds on ADEOS II Separation from Launch Stages**
NASA's SeaWinds scatterometer instrument launches on a Japanese H-IIA launch vehicle from Japan. The SeaWinds instrument is a microwave radar that measures surface wind speed and direction over 90 percent of Earth's ice-free global oceans every day.
Audience: Resource Site: NASDA (Japan)
Client: Alan Buis
Master: BCAMsp
Audio 1: Silent 2: Silent
12/14/2002 - 0:04:00 Producer: Savona

SRC-000357 -1/1 **SeaWinds on ADEOS II CG Animation (Launch through Deployment)**
NASA's SeaWinds scatterometer instrument launches on a Japanese H-IIA launch vehicle from Japan. The SeaWinds instrument is a microwave radar that measures surface wind speed and direction over 90 percent of Earth's ice-free global oceans every day.
Audience: Resource Site: NASDA (Japan)
Client: Alan Buis
Master: BCAMsp
Audio 1: Silent 2: Silent
12/14/2002 - 0:05:53 Producer: Savona

SRC-000360 -1/1 **Explorer 1 40th Anniversary Roll-in for Dr. Pickering Talk**
Announcement of launch; 5 seconds of black; Vanguard

failure; 5 seconds of black; Launch sequence.
Audience: Resource
Client: Pickering/Alexander, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/30/1998 - 0:07:00 Producer: Savona

SRC-000364 -1/1 **Atlas & Atlas / Centaur Launches from Vandenberg Air Force Base**
These stock launches were shot by the Visual Information Flight Office at Vandenberg.
Atlas 35 - Navstar (02/09/80)
56 - Intelsat (5/23/81)
59 - FLTSATCOM (8/6/81)
55 - INTELSAT V (12/15/81)
Audience: Resource
Client: Mona Jasnow, Org. 181
Master: BCAMsp
Audio 1: Silent 2: Silent
03/05/2003 - 0:30:00 Producer: Savona

SRC-000365 -1/1 **MER Cruise Stage Spin Tests Compilation**
Compilation of raw footage of Mars Exploration Rover cruise stage spin tests in Bldg. 144 at JPL. Shot on 11/04/02 and 11/23/02.
Audience: JPL Resource Site: BLDG. 144
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/16/2003 - 0:21:06 Producer: Rino Passaniti

SRC-000368 -1/1 **Galex Animation**
2:15 second animation showing the launch of Galex.
Audience: Resource
Client: Fanson
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/21/2003 - 0:02:55 Producer: Semerano

SRC-000370 -1/6 **Galaxy Evolution Explorer (GALEX) L-1011 Carrier Arrives at Kennedy**
The orbital sciences L-1011 carrier aircraft carrying the Pegasus launch vehicle arrives at CCAFS skid strip.
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

04/25/2003 - 0:05:00 Producer: Kennedy Space Ctr.

SRC-000370 -2/6 **Galaxy Evolution Explorer (GALEX) Pegasus Launch Vehicle being towed**

Pegasus Launch vehicle, which is will carry GALEX, is towed from skid strip to MPPF for payload integration.
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/25/2003 - 0:05:00 Producer: Kennedy Space Ctr.

SRC-000370 -3/6 **Galaxy Evolution Explorer (GALEX) Lift to Fixture & Rotation of GALEX**

The Galaxy Evolution Explorer lifted to rotation fixture and then rotation of the GALEX in MPPF.
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/25/2003 - 0:07:00 Producer: Kennedy Space Ctr.

SRC-000370 -4/6 **Galaxy Evolution Explorer (GALEX) Lifted to the Rotation Stand**
The Galaxy Evolution Explorer payload lifted to the rotation stand in MPPF.
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/25/2003 - 0:05:00 Producer: Kennedy Space Ctr.

SRC-000370 -5/6 **Galaxy Evolution Explorer (GALEX) is mated to Pegasus Launch Vehicle**

The Galaxy Evolution Explorer (GALEX) is mated to the Pegasus Launch Vehicle in the MPPF.
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/25/2003 - 0:08:00 Producer: Kennedy Space Ctr.

SRC-000370 -6/6 **Galaxy Evolution Explorer (GALEX) Solar System Panel Deployment**
The Galaxy Evolution Explorer (GALEX) solar panel deployment in the MPPF.
Audience: Resource
Client: Jane Platt

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/25/2003 - 0:02:00 Producer: Kennedy Space Ctr.

SRC-000377 -1/1 **MER-A "Spirit" Launch/JPL Switch**
JPL Internal switched program that aired locally. Four cameras in 230 Mission Support Area and feed from NASA TV coverage at Cape Canaveral, FL.
Audience: JPL Resource Site: JPL & KSC
Client: Media Relations, Org. 1810
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/10/2003 - 3:00:00 Producer: Hardine

SRC-000381 -1/1 **Camera replays of MER-A Launch**
Different tracking views of the Mars Exploration Rover "Spirit" launch including rocket camera looking down.
Audience: Resource Site: Cape Canaveral
Client: John Beck
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/10/2003 - 1:33:12 Producer: KSC

SRC-000417 -1/1 **JPL at Night**
Best shot at 00:08:26:00
Also some helicopter shots.
Audience: Resource
Client: JPL
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/23/1998 - 0:20:00 Producer: Dawson

SRC-000429 -1/1 **Flyby of Comet Wild 2 Seen Via a Series of Stills Made by Stardust**
The Stardust spacecraft made this series of images as it flew past Comet Wild 2 ("vilt 2"). Played as a sequence they show spacecraft-eye view of the rendezvous.
This short clip is played 3 times.
Audience: Resource
Client: Tom Duxbury
Master: DVCPro25
Audio 1: MOS 2: MOS
01/06/2004 - 0:00:10 Producer: Kline

SRC-000431 -1/1 **Cassini Animations Compilation Reel**
Animations from previous AVC and SRC videos combined with slates directing where the original material can be

acquired.
Audience: Resource
Client:
Master: DVCPro50
Audio 1: silent 2: silent
02/05/2004 - 0:18:30 Producer: Semerano

SRC-000447 -1/1 **Stardust and Comet Animation**
Two animations showing the formation of jets emanating from a comet. One animation shows the Stardust Spacecraft going through the jets of the comet.
Audience: Resource Site: JPL
Client: Duxbury
Master: DVCPro50
Audio 1: Silent 2: Silent
06/14/2004 - 0:00:40 Producer: Semerano

SRC-000452 -1/1 **Galileo Spacecraft in the clean room**
Audience: NASA Resource Site: Los Angeles
Client: Jack Dawson, Org. 1810
Master: HDCam
Audio 1: Mono mix 2: Mono mix
06/16/2004 - 0:29:57 Producer: Werner Herzog

SRC-000453 -1/1 **Galileo Footage of Astronauts on Space Shuttle**
Astronauts aboard Space Shuttle shot by the astronauts during Galileo Launch.
16mm NASA footage.
Audience: NASA Resource Site: Space Shuttle
Client: Jack Dawson, Org. 1810
Master: HDCam
Audio 1: Mono mix 2: Mono mix
06/04/2004 - 1:16:34 Producer: Werner Herzog

SRC-000454 -1/1 **Cassini B-Roll & Animation Reel for Saturn Orbit Insertion**
June 30, 2004, saw the Cassini spacecraft conduct an orbit insertion around Saturn and its moons. The burn begins a 4-year encounter with Saturn and end of the year release of the Huygens probe into Saturn's moon Titan.
Audience: News Resource
Client: NASA/JPL/Martinez
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/25/2004 - 0:27:07 Producer: Savona/Semerano

SRC-000456 -1/1 **Saturn Magnetic Field Animation**

Animation showing Saturn's magnetic field, plasma torus, Titan neutral torus, solar wind and cutaway of Saturn.
Audience: Resource Site: JPL
Client: Michelle Burton
Master: DVCPro50
Audio 1: Silent 2: Silent
06/26/2004 - 0:00:59 Producer: Semerano

SRC-000485 -1/1 **Genesis Timeline Animation**
Animation depicting the final minutes of the Genesis capsule return to Earth, showing the altitude and times from entry into the atmosphere to mid-air capture by helicopter. Animation is repeated showing ground track.
Audience: Resource Site: JPL
Client: D.C.
Master: BCAMsp
Audio 1: Silent 2: Silent
08/22/2004 - 0:02:00 Producer: Semerano

SRC-000489 -1/1 **Genesis Post Landing Helicopter Footage**
Audience: Resource Site: Dugway, Utah
Client: NASA TV/DC Agle, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/08/2004 - 0:26:00 Producer: NASA TV

SRC-000490 -1/1 **Genesis Day after Telephone Press Conference**
AUDIO ONLY
Audience: JPL News Resource Site: Dugway, Utah
Client: Dc Agle, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/09/2004 - 0:39:00 Producer: Hanchett

SRC-000493 -1/1 **Genesis Landing plus 2 days Telephone Press conf (Audio Only)**
Telephone press conference with Gentry Lee, Don Sevella, Dr Roger Weams, Dr. David Lindstrom, Steve Broady, Dr. Don Burnett, Don Sweatnum
Audience: News Resource Site: Dugway/JPL
Client:
Master:
Audio 1: Mono mix 2: Mono mix
09/10/2004 - 0:45:51

SRC-000519 -1/1 **Mars Orbiter Animations**
Three animations of the Mars Orbiter. (repeated twice)

Audience: Resource
Client: Beck
Master: DVCProHD Submaster: DVCPro25
Audio 1: Silent 2: Silent
11/16/2004 - 0:01:30 Producer: Semerano

SRC-000521 -1/1 **Deep Impact Animations with Updated Impactor**
Recreation of some scenes in SRC-000204 with updated version of the spacecraft impactor, originally used in, "Voyage to the Planets."
Audience: Resource Site: JPL
Client: Media Relations
Master: DVCPro25
Audio 1: silent 2: silent
11/21/2004 - 0:01:00 Producer: Semerano

SRC-000523 -1/1 **Cassini Huygens Radio Relay Animation**
Animation depicting the time frame that the Cassini Spacecraft can receive radio signals from the Huygens probe as it descends through Titan's atmosphere.
Audience: Resource Site: JPL
Client: Alice Wessen
Master:
Audio 1: Silent 2: Silent
11/23/2004 - 0:00:30 Producer: Semerano

SRC-000525 -1/1 **Tempel 1 Animation**
Animation showing the location of the comet, Tempel 1 in mid-December 2004 and its probable appearance as it begins to get closer to the Sun.
Audience: Resource Site: JPL
Client: Yeomans
Master: DVCPro25
Audio 1: silent 2: silent
12/07/2004 - 0:00:50 Producer: Semerano

SRC-000526 -1/1 **Vanpool Accident Briefings**
Two News Briefings with statements by Blaine Baggett about the 10-person vanpool accident in the Angeles Crest. Kerri Agey, Dorothy Forks and Jane Galloway perished.
Briefing #1 0:05:10 long.
Briefing #2 0:08:50 long.
Audience: JPL Resource Site: von Kármán Aud.
Client: Media Relations
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix

12/08/2004 - 0:20:00 Producer: Savona/Borst

SRC-000529 -1/1 **Spitzer Animation Compilation**
Animations of Spitzer Space Telescope. Animations include: launch, first observations, and 2004 releases to date.
Audience: Resource
Client:
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/14/2004 - 0:15:08 Producer: Ford

SRC-000531 -1/1 **Huygens Probe Release from Control Room at JPL**
Edited Robo cam wide shot cut together with hand held camera of reactions in JPL control room of the successful Huygens Probe release from the Cassini spacecraft.
Audience: Resource Site: JPL
Client: Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/24/2004 - 0:03:33 Producer: Semerano

SRC-000532 -1/1 **Huygens Probe Separates from Cassini and Heads toward Titan - Anim.**
Animation of Huygens Probe separating from Cassini spacecraft on Dec. 24, 2004 (PST). Animation continues until just before Probe reaches Titan's atmosphere.
Animation TRT = 0:53.
Audience: Resource
Client: Kulczycki
Master: DVCPro50
Audio 1: MOS 2: MOS
12/23/2004 - 0:01:17 Producer: Zareh Gorjian

SRC-000540 -1/1 **JPL Caltech Rose Parade Float Webcam**
View of the parade route from the helmet of the JPL/Caltech "robot" float. Webcam video provided by JPL radio club. Not broadcast quality. No audio
First few minuets VERY noisy.
Audience: Gen. Resource Site: Pasadena
Client: Valorie Elachi
Master: DVD
Audio 1: silent 2: silent
01/01/2005 - 1:30:00 Producer: Hanchett

SRC-000541 -1/1 **JPL/Caltech Rose Parade Float - KTLA HD Coverage**
Pasadena-based Phoenix Decorating Company built the float. A 50-foot robot named "Family of Explorers" that honors nine

of the Lab's current missions. The robot's arms and legs are adorned with small models of Cassini, Stardust, Jason, Genesis, Galaxy Evolution Explorer (Galex), the Spitzer Space Telescope, the Gravity Recovery and Climate Experiment (Grace), and the twin Mars Exploration Rovers, Spirit and Opportunity. The rovers appear at the bottom as the robot's "roller skates". As the float rolls along Orange Grove, Colorado and Sierra Madre boulevards, special effects, smoke, carbon dioxide, strobe lights and animation. "Rockets" behind the robot's arms were activated. A webcam mounted in the robot's head streamed video of the robot's point of view.
Audience: Resource Site: Pasadena
Client: Kulczycki, Org. 1800
Master: DVCProHD
Audio 1: Stereo 2: Stereo
01/01/2005 - 0:02:42 Producer: KTLA

SRC-000552 -1/1 **Deep Impact/Delta II Launch w/Isos**
Audience: Resource Site: KSC
Client: DC Agle, Org. 1870
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/12/2005 - 1:30:00 Producer: NASA KSCTV

SRC-000553 -1/1 **Deep Impact Gantry Rollback, Sunrise shots & launch**
High Definition footage of L-1 of Rocket and gantry & rollback of Gantry in early morning hour of launch day. Spectacular shots of rocket from gantry post rollback with sun rising. Launch footage from tracker at NOTU Berm. Time code is UTC time of day.
Audience: Resource Site: KSC
Client: Eric DeJong
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/12/2005 - 0:40:30 Producer: Borst

SRC-000554 -1/1 **Cassini-Huygens Animation Reel (HD)**
HD animations of Cassini Huygens Mission to Saturn and its moon Titan. Animations include: Cassini Saturn Orbit Insertion(S.O.I), Saturn Ring Flyby aka Cassini's Wild Ride, Titan Map, and Huygens Probe descent to Titan.
Audience: News Resource
Client: Xaviant Ford
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix

01/19/2005 - 0:11:40 Producer: Chris Leung/SSV Team

SRC-000555 -1/1 **Cassini Huygens Probe Release and Descent Animation**
Produced by the Solar System Visualization Group
Audience: Resource Site: Dial Lab
Client: Eric De Jong
Master: DVD
Audio 1: silent 2:
01/14/2005 - 0:03:00 Producer: Zareh Gorjian

SRC-000559 -1/1 **Apollo 15 - In the Mountains of the Moon**
JSC-supplied this video of the Apollo 15 moon mission.
Audience: Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/31/2005 - 0:28:00 Producer: JSC

SRC-000562 -1/2 **Return to Flight Resource Reel**
Audience: Resource Site: JSC
Client: Media Relations
Master:
Audio 1: Mono mix 2: Mono mix
02/01/1905 - 1:01:30 Producer: JSC

SRC-000562 -2/2 **Return to Flight Resource Reel**
Audience: Resource Site: JSC
Client: Media Relations
Master:
Audio 1: Mono mix 2: Mono mix
02/01/1905 - 0:51:30 Producer: JSC

SRC-000565 -1/1 **Goldstone Aerials**
Goldstone Aerials shot by Jack Dawson of Mars Station. Film to tape transfer. Photo lab has original film.
Audience: Resource Site: Goldstone, CA
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/26/1988 - 0:31:00 Producer: Dawson

SRC-000566 -1/1 **B-Roll Shots of Caltech Campus**
Various shots of Caltech Campus in Pasadena, CA. Shot on unknown date. Good shot of CIT sign at end of tape.
Audience: Resource Site: CIT
Client:

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/30/1999 - 0:20:00 Producer: Semerano

SRC-000567 -1/1 **Robert Goddard First Launch B-Roll Footage**
Historic launch marks the beginning of the exploration of Space; 75th Anniversary of 1st liquid propelled Rocket Launch. File footage from Goddard numbered G01-019
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/12/2001 - 0:24:49

SRC-000569 -1/1 **Return to Flight Crew Activities**
Resource Reel JSC 1988 8B provided by JSC.
Audience: Resource Site: JSC
Client: Buis
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix JSC 1988-8B
02/25/2005 - 1:45:00 Producer: JSC

SRC-000571 -1/2 **Mars Reconnaissance Orbiter in Thermovac at Lockheed Martin**
Shots of Mars Reconnaissance Orbiter being removed from Thermovac at Lockheed Martin in Colorado. Spacecraft is lifted by crane out of Thermovac and put on ground. Shot for Eric Dejong as part of 3-D imaging. RIGHT CAMERA VIEW
Audience: Resource Site: LMA in Col.
Client: Eric DeJong
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/28/2005 - 0:46:00 Producer: Borst

SRC-000571 -2/2 **Mars Reconnaissance Orbiter in Thermovac at Lockheed Martin**
Shots of Mars Reconnaissance Orbiter after being removed from Thermovac at Lockheed Martin in Colorado. Spacecraft is on ground and then tilted forward. Shot for Eric Dejong as part of 3-D imaging. RIGHT CAMERA VIEW
Audience: JPL Resource Site: LMA in Col.
Client: Eric DeJong
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/28/2005 - 0:25:30 Producer: Borst

SRC-000575 -1/1 **Beauty Shots of JPL & Devil's Gate Spillway from Normandy Court**
Zooms & pans. Blue sky and sky with dramatic clouds. Shot

after rainstorm, so arroyo has water in it and there is a heavy flow over the spillway.
Audience: Resource
Client: JPL
Master: DVCProHD
Audio 1: Nat sound 2: Nat sound
02/23/2005 - 0:26:05 Producer: Borst/Kennedy

SRC-000593 -1/1 **NOAA-N Launch Coverage**
The NOAA-N spacecraft launched on a Boeing Delta II 7320-10 space launch vehicle from Vandenberg Air Force Base, Calif. at 3:22:01.566 a.m. PDT, May 20, 2005, after a perfect countdown. NOAA-N is the latest polar-orbiting satellite developed by NASA for the National Oceanic and Atmospheric Administration (NOAA). NOAA-N will collect information about Earth's atmosphere and environment to improve weather prediction and climate research across the globe.
Audience: Gen. Resource Site: Vandenberg AFB
Client: Bernard Tiongco, Org. DSN
Master: DVD
Audio 1: Mono mix 2: Mono mix
05/20/2005 - 1:25:00 Producer: NASA TV

SRC-000596 -1/1 **Mars Audio Only telephone press conference at AGU conference**
Dr. Steve Squires, Richard Morris and Jim Erikson discuss recent activities of Opportunity and Spirit rovers.
Audience: News Resource Site: telephone
Client: Guy Webster, Org. 181
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/24/2005 - 1:00:00 Producer: Hanchett

SRC-000599 -1/1 **Deep Impact Animation, Dan Maas - Standard Definition B-roll**
Animation begins from launch to separation through impact.
Audience: Resource
Client: Media/Agle
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
06/17/2005 - 0:04:15 Producer: Savona

SRC-000618 -1/1 **Mars Reconnaissance Orbiter (MRO) Pre-Launch Resource Tape**
Animation of the Mars Reconnaissance Orbiter and highlights of the spacecraft being transported from Lockheed Martin Space Science Facility to Cape Canaveral and reassembled in the Payload Hazardous Servicing Facility at Kennedy Space Center.

Audience: Gen. News Resource
Client: Media Relations, Org. 187
Master: DVCProHD Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/04/2005 - 0:23:37 Producer: Passaniti

SRC-000623 -1/3 **Launch of MRO taped off NASA T.V.**
Activities at KSC of the Mars Reconnaissance Orbiter one hour prior to liftoff thru liftoff to one hour after. Liftoff occurs on tape 2 of 3 at 17:43 followed by replays of the event from several angles.
Audience: Resource Site: KSC
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/12/2005 - 1:01:00 Producer: KSC (Semerano)

SRC-000623 -2/3 **Launch of MRO taped off NASA T.V.**
Activities at KSC of the Mars Reconnaissance Orbiter one hour prior to liftoff thru liftoff to one hour after. Liftoff occurs on tape 2 of 3 at 17:43 followed by replays of the event from several angles.
Audience: Resource Site: KSC
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/12/2005 - 1:01:00 Producer: KSC (Semerano)

SRC-000623 -3/3 **Launch of MRO taped off NASA T.V.**
Activities at KSC of the Mars Reconnaissance Orbiter one hour prior to liftoff thru liftoff to one hour after. Liftoff occurs on tape 2 of 3 at 17:43 followed by replays of the event from several angles.
Audience: Resource Site: KSC
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/12/2005 - 0:33:00 Producer: KSC (Semerano)

SRC-000624 -1/1 **MRO Control Room at JPL during Spacecraft Acquisition**
The control room at JPL during the time the Mars Reconnaissance Orbiter was acquired by ground stations after spacecraft separation.
Audience: Resource Site: JPL
Client:
Master: DVCPro25

Audio 1: Mono mix 2: Mono mix
08/12/2005 - 0:27:00 Producer: Semerano

SRC-000630 -1/1 **MRO/ATLAS V Various Compiled Masters**
5/8-7/18/2005
Audience: Resource Site: NASA HQ
Client: Margeret Persinger
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/08/2005 - 0:51:03 Producer: NASA HQ

SRC-000631 -1/1 **Wet Dress Rehearsal- MRO Encapsulation - MRO to Pad**
7/19-28/2005
Audience: Resource Site: NASA HQ
Client: Margeret Persinger
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/19/2005 - 0:05:35 Producer: NASA HQ

SRC-000632 -1/1 **MRO/Atlas V - Atlas Space Operations Center and Launch from CX41**
HD
Audience: Resource Site: KSC
Client: Margaret Persinger
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/12/2005 - 0:04:43 Producer: Glenn Bensen

SRC-000637 -1/1 **Mars Exploration Rover "Opportunity" Launch - NAT Sound**
Launch of Mars Exploration Rover "Opportunity" with natural sound.
No commentary.
Audience: Gen. News Resource
Client: Xaviant Ford
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/13/2005 - 0:01:00 Producer: KSC

SRC-000639 -1/1 **Venus Express animation and comp reel - from ESA**
Dubbed from PAL. Contains animation of trajectory of the mission and several produced segments explaining all phases of the mission.
Audience: Resource
Client: JPL
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/25/2005 - 0:47:00 Producer: ESA

SRC-000641 -1/1 **MER Animation-HD Version with sound FX**
The most recent Dan Maas version includes-
EDL, egress from landing platform, roving and RATing.
Audience: JPL Resource Site: Mars
Client: Steve Squyres-MER
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/27/2003 - 0:06:45 Producer: D.Maas

SRC-000643 -1/1 **B-Roll of ATHLETE**
Various HD shots of ATHLETE, the latest project from the Lunar Robotics Test & Development Facility. ATHLETE looks like a giant wheeled robotic spider. Edited for distribution to the Jason Foundation. 1st version letterboxed, 2nd version full screen.
Audience: Edu. NASA Resource Site: Bldg 103
Client: Mars Pub Engage
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/28/2005 - 0:11:39 Producer: Lear/Kennedy

SRC-000644 -1/1 **Deep Impact Comp Reel**
Compilation of video and animation clips used during coverage of the Deep Impact mission's successful rendezvous with Comet Tempel 1.
24 elements, each with a descriptive slate.
0:27 Animation: Launch
1:31 Animation: Mission
2:00 Video: S/C assembly, installation, erecting rocket
0:18 Animation: Instruments inside S/C on pad
0:23 Video: Launch v1
0:37 Video: Launch v2
0:16 Video: Launch ISO 1
0:23 Video: Launch ISO 2
0:18 Animation: Trajectory of Comet Tempel 1
0:13 Animation: Trajectory of S/C from Earth
1:23 Animation: Trajectory for entire mission (aka "God's-Eye View")
0:15 Video: Impact Test 1, side view
0:15 Video: Impact Test 1, top view
2:46 Video: Impact Test 2, side view
1:57 Video: Impact Test 2, top view
0:18 Video: POV Impactor as it hits comet
0:04 Video: HRI (High-res camera) view of impact
0:07 Video: MRI (Medium-res cam) view of impact

0:12 Video: Hubble view of impact
0:26 Video: mclr view of impact
0:30 Video: Lookback at impact from S/C
0:12 Video: Real time Ejecta
0:12 Video: Lookback at plume from S/C
0:35 Video: Control Room Reaction to Success
Audience: Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/31/2005 - 0:17:16 Producer: Kline

SRC-000648 -1/1 **Historical Spacecraft Animation for Online Museum**
In order of appearance: Surveyor at the Moon, Mariner 2 at Venus, Mariner 4 at Mars, Voyager 2 at Neptune, Magellan at Venus, Galileo at Jupiter, Stardust at comet Wild 2, Deep Space 1 at comet Borrelly, Cassini releasing Huygens probe to Titan.
Audience: Resource
Client:
Master: DVCPro50
Audio 1: MOS 2: MOS
03/24/2003 - 0:00:20 Producer: Semerano

SRC-000651 -1/1 **Merlin Archive #4 - Viking, Mars '69, MVM, Mariner 9, Surveyor III**
Good quality film transfers of various productions compiled for a Merlin video disk system.
:00 "Planet Mars" - JPL 1078 - 1979
An intriguing story of the exploration of our celestial neighbor from the beginning through the Seventies; early investigation by telescope, Mariner spacecraft, the Viking Orbiters, and the landing of Viking robotic Landers on the Martian surface. Included are scenes from the JPL control room during the first landing. Using animation and actual images, theories of how the planet was formed are explained. The influences weather, meteorites, volcanism on the surface. The difficulties of life detection were discussed. Appearing in the film: A. Thomas Young, James Martin, Ronald Greenly and Harold P. Klien. Produced by Lester Novros of Graphic Films for NASA. Color/Sound, general interest, 28.5 min.
:29 "Mariner Mars '69 Far Encounter Sequence" - JPL 911 - 1969 - Beautifully composed film. Interesting stills illustrating the Mars encounter. Black & White/Sound, general interest, 3 min.
:33 "Mercury Venus Mission" - JPL 1016 - 1974

Provides a quick look at the Mariner 10 dual planet flyby. Describes the use of gravity assist for multiple planet encounters. Shows examples of high resolution imagery of the Venusian cloud cover and the cratered, moon-like surface of Mercury. Color/Sound, junior high & up, 6 min.
:39 "A New View of Mars" - JPL 1017 - 1974
A ten minute film that explores old concepts of the planet Mars, reviews the surprising planet revealed by Mariner 9 and looks to the future search for life on Mars by the Viking Project. A fast paced film using animation and three dimensional models of Martian volcanoes and other features. Color/Sound, general interest, 10 min.
:49 "Surveyor III Soil Sampler Sequence" - JPL 765 - 1967
Surveyor III mission photos of the soil sampler; produced by JPL. B&W/Silent, general interest, 2 min.
:51 "Surveyor III Mission Sunset Sequence of Lunar First Day" - JPL 764 - May 1967
Includes animation of a series of 121 wide-angle and 9 narrow angle television frames taken May 3, 1967 of a lunar sunset by the Surveyor 3 spacecraft. B&W, 3:40
Audience: Gen. Resource
Client: JPL Public Affairs
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/21/1985 - 0:54:00 Producer: PIO

SRC-000652 -1/1 **Merlin Archive - Ranger 9, Surveyor, Mariner 9 & 10, Voyager 1 & 2**
Good quality film transfers of various productions compiled for a Merlin video disk system.
:02 "Ranger IX Television Pictures of the Moon" - JPL 645 - June 1965, B&W/Sound
:08 "Surveyor G Pre Launch Clip"
:12 "Mariner Mars Pre Launch Clip" B&W
:16 "Mariner 10 Pre Mercury News Clip" B&W
:21 "Voyager 1 Jupiter Approach, Blue Filter Version" - 2/1997, color
:22 "Voyager 1 Jupiter Approach, Blue Filter, Red Spot" - 1/1979, color
:24 "Voyager 1 Encounter Animation" - 1979
:27 "Voyager 1 Jupiter Rotation" - 1979
:28 "Voyager 1 Jovian System
:30 "Voyager 2 Jupiter Violet"
:33 "Voyager 2 Violet"
:34 "Voyager 1 Saturn Rotation"
:35 "Voyager 1 Saturn Rings"
:36 "Voyager 1 Saturn Rotation"

:37 "Voyager 1 Saturn Rings"
:38 "Voyager 1 Saturn Approach"
:39 "Voyager 1 Saturn Departs"
:40 "Voyager 2 Saturn Zooms"
:41 "Voyager 2 Saturn Star Occultation"
:43 "Voyager 2 Saturn Simulation"
:48 Robotics Demo, an early rover
Audience: Resource
Client: JPL Public Affairs
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/27/1982 - 0:58:00 Producer: PIO

SRC-000653 -1/1 **Journey to the Comets**
Film Transfer 5/12/86. Production date is approximate. The polished film describes a proposed mission to flyby Halley's Comet and rendezvous with comet Temple 2 in 1988. The spacecraft would have been launched in 1985 using the Space Shuttle. The spacecraft would use ion propulsion and very large solar panels. Dr. Joseph Ververka, Cornell U., Dr. Kenneth Atkins, JPL, and Dr. Arden Albey, JPL, are interviewed. Jim Blinn animation and other graphics are used.
Audience: Resource
Client: Ken Atkins/Bristow
Master: 1"C
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 1099???
01/01/1981 - 0:27:00 Producer: JPL Photo Lab

SRC-000654 -1/1 **Voyager Saturn Computer Animation VS-IV-1**
Film transfer, 8/17/90. Jim Blinn pre-encounter animation, with narration, of the Voyager 1 flyby of Saturn and its moons, Titan, Mimas, Enceladus, Tethys, Dione, and Rhea.
Audience: Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/01/1980 - 0:04:38 Producer: Kohlhase/Blinn

SRC-000664 -1/1 **Stardust L-30 Briefing at HQ - Roll-ins**
0:30 HIRST - Launch; 0:26 HIRST Trajectory;
0:35 HIRST - Encounter Highlights;
0:23 DUXBURY SRC Separates from spacecraft;
1:03 DUXBURY EDL Path;
0:41 DUXBURY - Infrared Recovery Rehearsal;
0:37 BROWNLEE - Cleanroom Rehearsal

Audience: Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/16/2005 - 0:05:14 Producer: Kline

SRC-000692 -1/1 **Flight Test - Ercoupe Airplane Without & With Aux. Jet Propulsion**
Full Title:
Flight Test of the Ercoupe Airplane Without & With Auxiliary Jet Propulsion at March Field, California. By the Air Corps Jet Propulsion Research Project. Galcit Project No. 1. California Institute of Technology, Pasadena, California.
The test was conducted to study effect of auxiliary jet propulsion on the shortening of take-off distance and time, airplane stability and the effect on airplane structure.
Piloted by Capt. H. A Boushey, Jr., Air Corps Materiel Division.
Early scenes of testing the jet at a remote hillside area, probably JPL. Units delivered 27 lb. thrust were made by the Propellant Section.
Tests on the Ercoupe Airplane included static tests, taxi, takeoff, and at 11,400 ft with various amounts of units installed.
Take-off results with 6 units: Without 580 ft., 13.5 sec, With jet 300 ft., 7.5 sec.
Audience: Resource Site: JPL/March Field
Client: Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: JPL 5
16mm color film trans. 1/30/06 FotoKem, subtitled
06/23/1941 - 0:17:45 Producer: Transfer by Bridges

SRC-000693 -1/1 **JPL Main Gate 1957**
Shows a red truck and Army trailer carrying a large object covered by a white tarp entering the JPL main gate, then located north of building 111. Also blue station wagon goes through the gate.
Film transfer made 1/30/06.
Audience: Resource Site: JPL gate
Client: Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #4
16mm color film transferred 1/30/06 by FotoKem
01/01/1957 - 0:01:18 Producer: transfer by Bridges

SRC-000694 -1/1 **Corporal - Sergeant - JPL 1947 to 1952**

Sergeant missile launch; view of JPL; drafting room; Corporal on the ground; Corporal at WSPG; fueling Corporal at WSPG; erecting Corporal with truck unit; two men working on Corporal motor (at
JPL?); JPL guard gate at Pit F; test firing Corporal motor; Scale-Sergeant at Camp Pendleton; early Corporal on stand at WSPG; (Sergeant?) air brakes (missile horizontal) and various assembly
procedures.
Audience: Resource Site: JPL-WSPG
Client: Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent
16mm color film transferred 1/30/06 by FotoKem
01/01/1952 - 0:09:39 Producer: Transfer by Bridges

SRC-000695 -1/1 **Miss Guided Missile Parade**
About 1961. Shows cars parading through JPL with the Queen candidates: Cece, Sharon, Yvonne, Jan and Joann Lott and other Queen candidates waving to the JPL employees.
Audience: Resource Site: JPL
Client: Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent
16mm color film transferred 1/30/06 by FotoKem
01/01/1961 - 0:02:52 Producer: Transfer by Bridges

SRC-000696 -1/1 **JPL Construction 1945**
Shows buildings being framed; general camera pan of Lab, taken from hillside; cement walls; Pit F (by the Channel).
Audience: Resource Site: JPL
Client: Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #1
16mm color film transferred 1/30/06 by FotoKem
01/01/1945 - 0:13:36 Producer: transf by Bridges

SRC-000697 -1/1 **JPL History A20A - Explorer #7 DSN History Print**
A20A test (w/fades; no title; print of original); WAC Corporal @ WSPG: 1945 test fire launch (w/fades); Private F; Private A (fade to:) Corporal being loaded; /dark gray Corporal @ WSPG gantry/; field launch of Corporal at WSPG; airborne Corporal trucks moving out; Sergeant launch; an Explorer daytime launch (w/ nice clouds); an Explorer satellite in a studio, two lab-coated men place it on a wooden support.

Audience: Resource
Client: Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #2
16mm color film transferred 1/30/06 by FotoKem
/ / - 0:03:50 Producer: transfer by Bridges

SRC-000699 -1/1 **JPL 501-2 Early Liquid Rockets, 1940-1950's**
Various scenes from early rocket testing. Some subtitles explaining scenes and projects. Includes Ercoupe, Centrojet, Corporal, Private A and Private F.
A print of a tape-spliced film. Begins with a rolling title: ACJP Project; Ercoupe report footage various scenes, not the original edit;
@ 4:40: A-0A filmhead;
@ 5:: Aerotojet filmhead; Centrojet;
@ 9:11: b&w of Channel motors test fire [3rd man w/ a pipe; Malina; carriage motor static test fire, in color;
@ 11:15: motors of carriage on Channel: static test plus a run down the track plus the carriage on fire and the destruction of the carriage;
: JPL Logo fades to Corporal, then back to old 1940 Lab [maybe original film of this scene]; Ercoupe motor test at Lab and then at March Field;
@ 16:02: Private A assembly;
@ 19:32: Private F;
@ 20:07: at Lab
Audience: Resource
Client: Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: JPL 501 Rowe #1
16mm color film transferred 1/30/06 by FotoKem
/ / - 0:22:33 Producer: Transfer by Bridges

SRC-000700 -1/1 **Jet Propulsion Laboratory Construction - 1957**
Raw scenes taken of various buildings under construction. Building 67 being stuccoed and others along Explorer Road. Also some general wide shots of JPL.
Audience: Resource Site: JPL
Client: Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #4
16mm color film transferred 1/30/06 by FotoKem
12/19/1957 - 0:02:56 Producer: Bob Pace (Bridges)

SRC-000703 -1/1 **Mars Reconnaissance Orbiter Briefing Roll-ins for Feb. 24, 2006 at HQ**

Trajectory Earth to Mars 0:32 + 0:10 freeze
MRO at Mars, burn, see Earth again 1:06
Aerobraking 0:37
Instruments 1:08
"Swaths" 0:30
Resolution Comparison 0:34 ALL SILENT
Audience: News Resource
Client: Webster
Master: DVCPro25
Audio 1: MOS 2: MOS
02/22/2006 - 0:05:23 Producer: Kline

SRC-000729 -1/1 **BR1055 Scenes for "JPL" 1957 Version**
Raw footage of various scenes including Caltech Guggenheim, dances (Danny Stewart Orchestra), panoramic JPL views, water behind Devil's Gate Dam, getting on the Lab bus, a Corporal launch, test motor firing against a checkered background.
Dates unknown, pre-1958.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: AVC-2006-076 89
16mm color film transferred 4/08/06 by FotoKem
04/08/2006 - 0:05:46 Producer: Bridges

SRC-000731 -1/1 **The Corporal Guided Missile XSSM-A-17**
Cascade Corp Original Cuts/Outs 1952 - Raw footage: launches; testing; set up; animations and drawings; engineering footage; plotters; control room; tracking trailer with antenna; assembly in a plant; men setting up.
Audience: Resource
Client: B. Baggett
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #89
16mm color film transferred 4/11/06 by FotoKem
12/31/1952 - 0:19:46 Producer: Cascade (SLB)

SRC-000732 -1/1 **Viking Landing, Raw Footage in SFOF, von Kármán Aud., July 20, 1976**

Viking landing, operations in SFOF, July 20, 1976.
Raw 16mm color footage of the JPL Space Flight Operation Facility and von Kármán Aud.
People shown include: Robert Bristow, James Fletcher, Hearth, Noel Hinners, Jim Martin, Gentry Lee, Victoria Melliken, Bruce Murray, Phil Neuhauser, Bob Parks, Bill Pickering, Gerald Soffen, Tom Young and others.

Scenes include:
Jim Martin and other Viking personnel in the SFOF; News conf. in von Kármán Auditorium (Phil Neuhauser handling mic); More SFOF footage with Martin, Bob Parks.., Viking hat; Martin and NASA Administrator Dr. James C. Fletcher on phone (with President?); Martin interview; News Conference with Fletcher, Hinners, Hearth, Martin, Young on stage; Gentry Lee hugging Soffen; press with cameras; PIO Bristow on phone; reporters typing; Pickering, Fletcher, Martin, Murray, Lee, Soffen and others shaking hands in SFOF; SFOF control room; Martin in Viking T-shirt; Mars surface on monitor; (some scenes from a different camera angle shown at beginning of tape); Vicki Melliken.
Audience: Resource Site: vKA & SFOF
Client: B. Baggett
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #261
16mm color film transferred 4/11/06 by FotoKem
07/20/1976 - 0:45:30 Producer: Graphic Films (SLB)

SRC-000733 -1/1 **"Viking SFOF 1976 ORIG ECO HEAD 2093"**
Raw 16mm color footage.
Three sets of shots (candid, live, cinema v,rit,): men around a table discussing; Jim Martin doing a tv report out of the Blue Room; men and women in coats and ties celebrating (B. Murray, Pickering, R. Bradbury, Soffen, G. Lee, Harold Brown - CIT President, Pete Lyman, Tom Young, flight project director Jim Martin, and many others)
Audience: Resource Site: JPL SFOF
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #17
16mm color film transferred 3/31/06 by FotoKem
07/20/1976 - 0:18:29 Producer: JPL Photo Lab (SLB)

SRC-000734 -1/1 **Viking Landing, Operations in SFOF, 7/20/1976 and 1/17/1977**
Raw 16mm color footage (5 rolls combined)
Candid scenes of people in the Space Flight Operations Facility, including James Fletcher, Jim Martin, Bruce Murray, Bill Pickering, Gerald Soffen, Charles Terhune, Tom Young and others. A written note to the Lander from the Orbiter. Mission clock showing 6 min. to touchdown. Cheers and celebration with champagne, cake and t-shirts.
Carl Sagan and a woman looking at landing images on a video monitor. People looking at lander prints.
People celebrating with champagne, cigars and viking hats.

Martin giving John Slonski a t-shirt. Martin and Young walking away from 264 down to von Kármán Aud. Martin meeting reporters. Audience shots of a packed news conference. Tim Mutch and other scientists looking at images on rolls. Mutch interviewed in the Blue Room studio.
Audience: Resource Site: SFOF, 264, vKA
Client: B. Baggett
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #260
16mm color film transferred 4/11/06 by FotoKem
07/20/1976 - 0:49:34 Producer: JPL Photo Lab (SLB)

SRC-000740 -1/1 **Project Development 1941-43**
16mm color footage with subtitles:
Includes just the flights from "Flight Test of the Ercoupe Airplane Without and With Auxiliary Jet Propulsion" 1941, March Field, August 6 to 23, 1941. (ends at 3:19 min.);
Includes "Flight Tests of the A-20A Airplane Equipped with Two 1000 Lb Thrust Liquid Propellant Jet Units," 19 (ends at 5:13 min.).
Includes one launch from "Private A," 1942 (ends at :05:41 min.).
Includes "The Aerojet Test Unit," test run # 16 (ends at 8:5 min.)
Includes "Two underwater runs of a solid propellant rocket of 1000 lb thrust," in the Channel, taken through side window, in black and white (ends at 9:41 min.).
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #66
16mm color film transferred 4/8/06 by FotoKem
12/31/1943 - 0:09:41 Producer: JPL (SB)

SRC-000742 -1/1 **William Pickering Discussing Explorer 1 Newsreel**
Dr. William H. Pickering in a room with Explorer 1 models discusses the launch vehicle, high speed stage and the satellite. Film container dates this production 1/17/1958, launch was 1/31/1958.
This is a transfer from A&B rolls, needs to be edited together for scene dissolves. Audio is synched.
Audience: Gen. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 298 Rowe148
16mm color film transferred 3/31/06 by FotoKem

01/17/1958 - 0:04:54 Producer: JPL (SB)

SRC-000743 -1/1 **JPL 300: Explorer 1 Scenes**
JPL Number 300: a set of short scenes: Explorer 1 lift off; Al Hibbs speaking to a group at table; Pickering explaining Explorer 1; George Ludwig (Van Allen's assistant) with opened parts of
transmitter of Explorer 1; controllers at panels; animation of satellite moving against background.
Date is about 2/1958.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: JPL 300 Rowe148
16mm color film transferred 3/31/06 by FotoKem
02/01/1958 - 0:02:56 Producer: JPL (SB)

SRC-000744 -1/1 **JPL Building Construction 1947**
Shows different JPL buildings under construction or recently completed including Engineering Building, Test Pit F next to The Channel, and a new water storage tank. Also includes slightly jerky pans of Lab showing hillside test pits and a partially built Gulch.
Audience: Resource Site: JPL
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: JPL 45 Rowe#187
16mm color film transfer made 3/31/06 by FotoKem.
12/31/1947 - 0:07:05 Producer: JPL (SB)

SRC-000745 -1/1 **Voyager 1 Jupiter Approach Blue Filter Planet and Red Spot Feb. 1979**
Shows still images of approaching Jupiter taken from Voyager (fixed position) and zoom in on Red Spot, animated so that Jupiter and its atmosphere appear to rotate and move. Taken with the blue filter to enhance the atmospheric detail.
"When we [the JPL Imaging Laboratory/Imaging Team] first came up with that [the Blue Movie], people said that was one of the great science products to come out of the space program, seeing the atmosphere of Jupiter speeded up by a factor of whatever" (Charles Avis-David Swift draft interview transcript, p. 4, JPL Archives).
Audience: Resource Site: Jupiter
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #37
16mm color film transfer made 3/31/06 by FotoKem.

02/28/1979 - 0:03:01 Producer: JPL IPL (sb)

SRC-000746 -1/1 **Wide Field Planetary Camera, 1984-85 - Assembly in SAF High Bay 31**
Date unknown. Raw footage of the camera assembly in the clean room at JPL. Roll numbers: D-48183, D-48478, D-48663.
Audience: Resource Site: JPL SAF
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #621
16mm color film transfer made 3/31/06 by FotoKem.
01/01/1985 - 0:10:52 Producer: JPL (sb)

SRC-000747 -1/1 **Wide Field Planetary Camera, 1984-85 - Move by Crane in SAF**
Date unknown. Raw footage of the Wide Field Planetary Camera (WFPC) in the clean room at JPL. Moved by crane from work area to a transport trailer by men in clean room suits.
Audience: Resource Site: JPL
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #621
16mm color film transfer made 3/31/06 by FotoKem.
01/01/1985 - 0:03:47 Producer: JPL (sb)

SRC-000748 -1/1 **Mars Pathfinder Deployment Test #352, September 15, 1994**
Raw footage. Using time lapse photography, an air bag cluster is dropped from a ceiling of a JPL building onto the floor with rocks. The cluster deflates, retracts, the lander unfolds, and a small rover moves off of one of the petals.
Audience: Resource Site: JPL
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #294
16mm color film transfer made 3/31/06 by FotoKem.
09/15/1994 - 0:02:48 Producer: JPL

SRC-000754 -1/1 **Viking Orbiter in von Kármán Auditorium**
Raw footage of the Viking Orbiter full scale model set up in von Kármán Aud. with solar panels deployed and the lander shroud on top. The Mars spacecraft barely fit in the 17 foot high room.
Original 16mm rolls marked "908EC," "J6164 and 165"
Audience: Resource Site: von Kármán Aud.
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #259
16mm color film transfer made 5/19/06 by FotoKem.

06/30/1976 - 0:05:46 Producer: JPL Photolab (SB)

SRC-000755 -1/1 **Viking Lander Scoop Demo**
Raw footage of the Mars Viking Lander's scoop being deployed and digging in a sand bed, studio setting. Lighting is dramatic, intended for a production. Film rolls marked "Rolls 43, 44,5;"
"GK6;" "1211EC15;" "B3330"
Date is approximate.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #259
16mm color film transfer made 5/19/06 by FotoKem.
12/31/1975 - 0:05:51 Producer: Photo Lab (SB)

SRC-000756 -1/1 **Viking Orbiter Assembly in the JPL Spacecraft Assembly Facility**
Raw footage of the Mars VO-75 being assembled in the JPL SAF. Includes moving assemblies on a crane, pans of the uncovered bus, c/u of operators, moving parts in by forklift, and assembling parts.
16mm rolls JG 1766 to 1769. Date is approximate.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #259
16mm color film transfer made 5/19/06 by FotoKem.
12/31/1975 - 0:11:50 Producer: JPL Photo Lab (SB)

SRC-000757 -1/1 **Ranger 9 Television Pictures of the Moon**
The black & white images taken as the Ranger 9 impacted the Moon. The final image taken before impact has a resolution of 0.3 meters.
Launched 21 March 1965, impacted Moon 24 March 1965 at 14:08:20 UT, Latitude 12.91 S, Longitude 357.62E - Alphonsus crater.
Audience: Resource Site: Moon
Client: B. Baggett, Org. 1800
Master: DVCPro50
Audio 1: Silent 2: Silent Cross Ref: Rowe #89B
16mm B&W film transfer made 5/19/06 by FotoKem.
03/31/1965 - 0:06:19 Producer: JPL (SB)

SRC-000758 -1/1 **Reel 1 for JPL 80, WAC Corporal Production - Raw Footage**
Scenes preparing for launch include: assembling the booster; the orange WAC launching tower; Malina at WAC landing site;

a flag ceremony [dedication of WSPG?] with women and children at the main headquarters building; various Army leaders; Paul Meeks, Frank Malina (pitching pennies); Slate "10/16/1945 White Sands"; fueling the WAC; putting black powder/lamp black in Black WAC; fueling WAC in the tower; aerial shots of WSPG from observation plane; Paul Meeks and other crew members; Bradshaw and other crew members. Use of chalkboards slates to identify shots. Shows a Ford station wagon, a 'woody', with license W19504. Shows shirtless JPL workers while Army workers wear shirts and ties.
Audience: Resource Site: White Sands PG
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: JPL 80 Rowe #9
16mm color film transfer made 5/19/06 by FotoKem.
10/31/1945 - 0:09:55 Producer: (SB)

SRC-000759 -1/1 **Corporal E Film B 1947 - JPL film number 109**
Audience: Resource Site: White Sands PG
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: JPL 109 Rowe#12
16mm color film transfer made 5/19/06 by FotoKem.
05/22/1947 - 0:03:14 Producer: JPL (SB)

SRC-000760 -1/1 **"Corp" - Four Launches, Corporal and Sergeant - Raw Footage**
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: JPL 109 Rowe#14
16mm color film transfer made 5/19/06 by FotoKem.
05/19/2006 - 0:03:27 Producer: JPL (SB)

SRC-000761 -1/1 **Launches - 6 Raw Footage Rolls - Corporal, Sergeant & Explorer II**
Spliced assemblage with leader markings:
Shows the end of a Corporal flight;
leader: "9WS6-5-1923" (high speed camera): a Sergeant launch;
leader: "9WS 6-24-5" (high speed camera): a Sergeant launch;
leader: "7WS 6-5-510": a Corporal launch in field, Corporal body gray, its nose painted white;
leader: "12 PA 6-5-5" : Explorer II launch;
leader: "12 PA 6-9-5" : Explorer II launch in close up.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25

Audio 1: Silent 2: Silent Cross Ref: JPL 109 Rowe#14
16mm color film transfer made 5/19/06 by FotoKem.
05/19/2006 - 0:05:35 Producer: JPL (SB)

SRC-000762 -1/1 **"UFO" - Group 1 Exploding Rockets**
Raw 16mm film rolls spliced to a series of various exploding and succesful launching rockets, with leader titles: probably excised from many sources (leader markings in quote)
NOTE: "PA" means Patrick Airforce Base
"WS" means White Sands Proving Grounds
last of number sequence is flight number; second to last number is camera number:
"7 WS 6-18-1443": Corporal launch with missile leaking thrust from its side;
"21 PA 6-20-0": Atlas launch;
" PA 6/25-21-1023": Atlas launch (color shift of film to pink);
"33 WS 6-18-725": Loki single tube launch;
"9 WS 6-484": Sergeant launch;
" WS 6-6-484": Sergeant launch;
"9 WS 6-34-472": Sergeant blows up in mid-air;
"9 WS 6-41-472": Sergeant blows up in mid-air after launch;
"7 WS 6-57-118": Corporal launch (white nose, gray body, in field);
"7 WS 6-43-118": Corporal launch (w/ red & white gantry @ WSPG);
"16-2090": Atlas launch, high speed camera;
"17-2090": Atlas launch, high speed camera, close up;
"12 PA 6-4-562": Explorer launch [no explosion];
"7 WS 6-12-516": Corporal launch through clouds (field launch);
"6-2096": massive explosion of an Atlas;
"3-2095": Atlas blowing up on launch pad; a clapboard shows no date but indicates launch pad number 14-2.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #14
16mm color film transfer made 5/19/06 by FotoKem.
05/19/2006 - 0:12:56 Producer: JPL (SB)

SRC-000768 -1/1 **Surveyor 1966 Touchdown Press Conference**
Raw 16mm color footage (Can 26 RR Roll 1082).
Shows news conference in von Kármán Auditorium with Pickering showing Surveyor to visitor; Parks; Newell; [male

transcriber at work], Jaffee on stage, Garbarini, Milwitsky, Leudeke; shots of media (16mm cameras, large TV cameras).
Audience: Resource Site: von Kármán Aud.
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #550
16mm color film transfer made 5/19/06 by FotoKem.
06/06/1966 - 0:11:08 Producer: R. Rolofson (SB)

SRC-000769 -1/1 **Infrared Astronomy Satellite (IRAS) Raw Footage "736 Holland"**
5 rolls of raw 16mm color footage (date approx.). Includes close ups of IRAS; clean room assembly; USAF C-5 unloading Ball Aerospace IRAS container (shot by 2 separate cameras); C-5 landing; loading Ball IRAS container into truck; delivering IRAS.
(IRAS launched 1/25/1983, not shown)
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #501
16mm color film transfer made 5/19/06 by FotoKem.
01/01/1983 - 0:25:42 Producer: Photo Lab (SB)

SRC-000770 -1/1 **Galileo - Spacecraft Assembly Raw Footage**
Raw 16mm color footage of final assembly of Galileo. Shots of the spacecraft dramatically lit in the Spacecraft Assembly Facility clean room. Complete dolly around the spacecraft looking up at the spacecraft.
Audience: Resource Site: JPL SAF
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #983
16mm color film transfer made 5/19/06 by FotoKem.
04/16/1985 - 0:32:25 Producer: Photo Lab (SB

SRC-000774 -1/1 **Charles Elachi Interview on SIR-B Experiment**
Raw footage of an interview conducted by an off-camera female interviewer. Elachi in coat and tie, sitting at a desk with the instrument model, chalkboard in background, talking about to be Shuttle-flown synthetic aperture radar B experiment. Close ups at the end.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: Rowe #588
16mm color film transfer made 5/19/06 by FotoKem.

06/01/1983 - 0:24:22 Producer: Dawson (SB)

SRC-000775 -1/1 **Time Lapse of the Wide Field Planetary Camera (WFPC) Construction**
Raw 16mm footage taken in the JPL Spacecraft Assembly Facility (SAF). The camera was later installed in the Hubble Space Telescope.
Audience: Resource Site: SAF
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #621
16mm color film transfer made 5/19/06 by FotoKem.
01/01/1985 - 0:02:35 Producer: JPL Photolab (SB)

SRC-000782 -1/1 **WAC Corporal and Corporal Misc. Footage, 1945-1951**
Footage shows: pressing solid charge east JPL in 1951; WAC motor test at Edwards; WAC launcher, August 1945 at WSPG; WAC parachute loading; nose cone assembly; WAC on truck on its way to its launcher; bare-chested Paul Meeks loading and digging impacted motor out of the ground; vertical view of WAC launch; large Corporal motor test at Edwards; Corporal test explosion at Edwards; Corporal graphite vanes in motor exhaust; wind tunnel; at splice: "JPL :" trucks leaving JPL at night; Corporal assembly, delivery, mounting, fueling, gantry roll back, launch; JPL logo. JPL number: 170 and part of JPL 231.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: JPL 170&231 R16
16mm color film transfer made 7/13/06 by FotoKem.
12/31/1951 - 0:09:13 Producer: JPL Photo (SB)

SRC-000783 -1/1 **Private A Misc. Film Clips**
Unknown date, early 1940s. (apparently original film with material removed by editing)
Shows static test of Private A booster at lab; Private A at Leach Springs; leader: "These 4 scenes out to JPL 40;" Private A booster launch; leader: "scenes out to JPL 402;" booster impact point; leader: "scenes out to JPL 402;" rail up close; dummy launch; leader: "scenes out to JPL 402;" launch; impact point; launch seen from pit, rest of flight; Tiny Tim nose camera; weights.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #16

16mm color film transfer made 7/13/06 by FotoKem.
08/07/2006 - 0:05:47 Producer: JPL Photo (SB)

SRC-000784 -1/1 **Rowe 17 Flight Scenes from Various Films**
Includes scenes removed from canned films.
Shows Voyager animation and flyby of Jupiter moons; title: "Venus Atmosphere in Motion;" several leader headed scenes made by
Graphic Films inc., 1978 (clapboard);
leader: "44-J-1-M-1195: man with antenna;
leader: "44-J--___:" two men folding a solar panel;
leader: PA 30-27- smeared:" launch of Titan;
leader: "24A-2013:" launch of Titan;
leader: "44J.2.-82:" men in a control room;
leader: "26-225:" man with a headphone;
leader: "21-2455:" 2 men with NASA hard hats; Voyager animation of renderings.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #17
16mm color film transfer made 7/13/06 by FotoKem.
08/07/2006 - 0:09:12 Producer: JPL/Graphic Films(SB

SRC-000786 -1/1 **Topo Follies: Film to Demonstrate the Use of Digital Topographic Data**
1. Topo Follies: "Death Valley, Mars' Olympus Mons, and Mount Shasta" 02:00
2. Topo Follies II: "A Tour of Mt. Shasta Through Radar Eyes" 02:30
Early experiments in computer animation techniques to visualize flying over planetary surfaces.
F. Leberl, H. Fuchs, and J. Raggan of the Technical University of Graz, Austria did the stereometric data reduction; Michael Kobrick, of JPL did the image rectification and computer graphics. Kobrick was the group leader of the JPL Altimetry and Topographic Mapping Group.
Shows computer manipulation of digital image data for Death Valley, Mars' Olympus Mons, and Mount Shasta (Topo I: LANDSAT and Viking; Topo II: Shuttle Imaging Radar on Challenger, October
1984). Result in a animated false moving image as
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #44
16mm color film transfer made 7/13/06 by FotoKem.

12/31/1986 - 0:04:43 Producer: JPL (SB)

SRC-000788 -1/1 **Voyager 1 Jupiter Encounter Film Computer Animation**
Pre-encounter computer animation of imagined Voyager 1 encounter with Jupiter and some of its moons. Voyager 1 made its closest approach to Jupiter on March 5, 1979.
Computer graphic film: "Prod 7904 JPL Computer Animation."
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #21
16mm color film transfer made 7/13/06 by FotoKem.
01/01/1979 - 0:02:52 Producer: JPL (SB)

SRC-000789 -1/1 **Voyager 1 1980 Saturn Approach Zoom Movie**
Shows series of approach photographs of Saturn taken by Voyager 1 (animated and smoothed, some color blips). Same sequence shown twice.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #22
16mm color film transfer made 7/13/06 by FotoKem.
11/06/1980 - 0:00:55 Producer: JPL (SB)

SRC-000790 -1/1 **Voyager Saturn Rings Rotation plus Other Various Animations**
Animation made from Voyager 1 images taken on October 24, 1980. Over a ten hour period the rings were imaged every five minutes. This 'movie' resulted. Also two small moons were discovered in the movie images just outside and just inside the F ring. The 'movie" was processed by the Image Processing Lab by November 3, 1980.
Also other animations: @ 0:54: asteroid; moon surfaces (varied; lander animation; VOIR
Movie Try 5; "Fruit Pie in the Sky"; surface flight animation; @4:05: Rings Rotation (again); @ 5:04: Palomar telescope; rotating Jupiter surface; VOIR lookdown demonstration animation; end @ 7:00.
NOTE: Quality is grainy and poor color.
Audience: Resource
Client: B. Baggett , Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: VS-5 Rowe #26
16mm color film transfer made 7/13/06 by FotoKem.
10/24/1980 - 0:06:55 Producer: JPL IPL (SB)

SRC-000791 -1/1 **Voyager 1 Departs Saturn**
Shows images taken by Voyager 1 as it receded from the Saturn encounter (animated and smoothed). Repeated twice.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: VS-8 Rowe #23
16mm b&w film transfer made 7/13/06 by FotoKem.
11/15/1980 - 0:02:53 Producer: JPL (SB)

SRC-000792 -1/1 **Voyager 2 - Jupiter Encounter Pre-encounter Animation**
A narrated Voyager 2 pre-encounter computer animation shows the Jupiter fly-by based on Voyager 1 data. Note: film transfer has a pink cast, and slightly dirty, film has deteriated.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono 2: Mono Cross Ref: Rowe #48
16mm color film transfer made 7/13/06 by FotoKem.
01/03/1986 - 0:03:03 Producer: Blinn/Kohlhase (SB)

SRC-000793 -1/1 **Voyager II Uranus and Neptune Encounters**
Using computer animation, shows Voyager 2 encounter with Uranus and its moons (Oberon, Umbriel, Titania, Arial, and Miranda) and Neptune.
Made pre-encounter by James Blinn. [With Charles Kohlhase and Sylvie Rueff's help. Credit: "Voyager Mission Planning and Computer Graphics Laboratory". Cf. Davis, Flyby, p. 111, 146]. Part of film based on the 98-frame flip movie, later printed in the margin of the Voyager Uranus Travel Guide. About 200 hours of computer time needed to produce 5 minutes of film.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: VU-4 Rowe #25
16mm color film transfer made 7/13/06 by FotoKem.
01/03/1986 - 0:05:45 Producer: Jim Blinn (SB)

SRC-000803 -1/1 **Pickering's JPL**
Rough collection of short scenes poorly spliced together for Dr. Pickering's retirement party.
Includes tiny pieces of several previous JPL films: Private A (showing Mills how to dig, three visiting Army officers), a WAC launch, Bumper WAC launch, an exploding Corporal, . .

. Explorer 1 news conference at JPL? with Pickering and DuBridge, Ranger launch and Ranger 7 images, . . . a Surveyor drop test exploding when it hits the ground, stepped Mariner 4 images of the surface of Mars, dignitaries at JPL (Nixon, Johnson, Princess Margaret), . . .Pickering as Rose Parade Grand Marshall, DSN, Animations, Corporal launch.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #233
16mm color film transfer made 7/24/06 by FotoKem.
04/01/1976 - 0:18:25 Producer: JPL Photo Lab (SB)

SRC-000852 -1/3 **WAC Roll 1 - Select Footage of WAC Corporal Missile Testing in 1945**
Shows weather balloon, radio sonde [end of "Roll 3" matches image at the head here]; filling balloon; chalk board 10-15-45; three tracking stations; Malina et al @ base; Delsasso, Meeks, Malina and three more men pitching pennies; block house construction; tower construction; White Sands Proving Ground base construction; tower; antennas; air plane; balloon launch; dust devil; dummy rounds in ground; trucks.
Audience: Resource Site: White Sands
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Silent 2: Silent Cross Ref: Rowe #90
16mm color film transfer made 7/24/06 by FotoKem.
10/15/1945 - 0:12:53 Producer: JPL photo (SB)

SRC-000852 -2/3 **WAC Roll 2 - Select Footage of WAC Corporal Missile Testing in 1945**
Shows fueling WAC; a shirtless Malina and Meeks; launch; radar tracking; vertical view of WAC; impact; impact; Mesick and Meeks; launch; hoist recovery of impacted WAC body; adjusting nozzle number on Tiny Tim; launch with airplane view of launch; launch; vertical view; Black WAC nosecone; impact site; digging; /repeats Reel 3 parachute, nosecone?/; radar; vertical view; radar; graph of radar; Meeks; night launch.
Audience: Resource Site: White Sands
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Silent 2: Silent Cross Ref: Rowe #90
16mm color film transfer made 7/24/06 by FotoKem.
10/15/1945 - 0:09:32 Producer: JPL photo (SB)

SRC-000852 -3/3 **WAC Roll 2 - Select Footage of WAC Corporal Missile Testing in 1945**
Shows booster test; camera stations; one launch; one dummy

launch, two launches; uncrating and assembling WAC (some imbedded titles); parachute and gyro installation; nose cone attached; center of gravity measure; Tiny Tim (from bunker to the bolting on of the fins); Tiny Tim carriage; WAC carriage; hoist into launcher; alignment and settling of WAC on to Tiny Tim; weather balloon.
Audience: Resource Site: White Sands
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Silent 2: Silent Cross Ref: Rowe #90
16mm color film transfer made 7/24/06 by FotoKem.
10/15/1945 - 0:11:03 Producer: JPL photo (SB)

SRC-000855 -1/1 **Rotating Mariner Models - Mariner-Venus 67 Pre-Launch Film Clip**
Two film clips:
1. 0:05:15 Shows models (rotating) of Mariner Venus 67, Mariner 2 and Mariner 4 with close ups of Mariner instruments.
2. 0:03:01 Shows men in control room; spacecraft; men reading telex machine; Surveyor animation of sending telemetry to Earth; dropping seismometer to asphalt tile floor; close up of leg of spacecraft; spacecraft antenna; close up of sensing instrument.
Audience: Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #528
16mm color film transfer made 7/24/06 by FotoKem.
08/04/1969 - 0:08:14 Producer: R. Rolofsin (SB)

SRC-000856 -1/1 **Dr. Elachi Meetings Related to SIR-B, Raw Footage**
Roll 1: Dr. Charles Elachi sitting with team members including Steve Wall, Diane Evans, looking at computer displays, maps, and photos of SIR-B coverage.
Roll 2: Elachi teaching a SIR-B class in 167-151. C/U of participants.
Audience: Resource Site: JPL
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #598 & 599
16mm color film transfer made 7/24/06 by FotoKem.
02/28/1982 - 0:22:14 Producer: JPL Photo Lab (SB)

SRC-000858 -1/1 **Mars Pathfinder Time Lapse of Assembly in SAF, October 1995**
Time lapse footage showing a wide, far away view of the Spacecraft Assembly Facility (SAF) with the construction activity of the Mars Pathfinders. Includes a test of the time lapse camera.
Audience: Resource Site: JPL SAF
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Silent 2: Silent Cross Ref: Rowe #765
16mm color film transfer made 7/24/06 by FotoKem.
10/31/1995 - 0:02:53 Producer: Photo Lab (SB)

SRC-000860 -1/1 **Shuttle Astronauts Tour JPL and See Galileo, January 18, 1989**
Raw handheld footage and with an unsynchronized sound track of the Shuttle astronauts at JPL Spacecraft Assembly Facility (SAF) getting a tour in bunny suits. Also some scenes of a presentation in a the Galileo conference room in building 264.
Audience: Resource Site: JPL
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: Rowe #592 & 593
16mm color film transfer made 10/10/06 by FotoKem.
01/18/1989 - 0:23:33 Producer: JPL Photo Lab (SB)

SRC-000865 -1/1 **Mars Reconnaissance Orbiter Animations and Instrument Data**
Includes launch, Mars orbit insertion, aerobraking, instrument demos, and first images from HiRISE, CTX, MARCI and MCS. Also includes HiRISE views of Opportunity & Victoria Crater, Terra Sirenum, Mawrth Vallis and Chasma Boreale (and CRISM views of the last two sites). 1080i
Audience: Gen. JPL Resource Site: JPL
Client: Graf/Zurek
Master: DVCProHD Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/20/2006 - 0:30:30 Producer: JPL SSV

SRC-000872 -1/1 **DAWN B-roll**
DAWN Alignment, Solar Array Deploy tests and DAWN Integration
Audience: JPL NASA Resource Site: Orbital
Client: DC Agle
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/17/2006 - 0:47:30

SRC-000881 -1/3 **45th Anniversary-Moments in NASA History**
Clips of various moments in time that happened at NASA for 45 years with a trivia after each clip.
1.JSC Dedication 2.Challenger 3. Skylab 4. First Flight of F-18 5. The X-Program 6. Sally Ride 7. Longest Stay in Space 8. Mars Pathfionder 9. Loss of Columbia 10. Airplane Crash Test Research 11. Largest Ever Ozone Hole 12. Loss of Apollo 1 13. Seasat 14.X-15 Reasearch Aircraft
Audience: NASA Resource Site: NASA HQ
Client: NASA HQ
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/30/2009 - 0:33:00 Producer: NASA HQ

SRC-000881 -2/3 **45th Anniversary-Moments in NASA History**
Clips of various moments in time that happened at NASA for 45 years with a trivia after each clip.
1. Cassini 2. ISS Expedition 1 3. Launch of TIROS 4. NASA Reserach 5. Landsat 6. Shuttle-MIR 7. Hubble 8. NASA: A Beginning 9. Meet The Mercury Astros 10. The Gemini Program 11. Guy Bluford 12. Apollo Program 13. STS-1 14. Apollo 13 Recording of the ISO audience camera asking questions of NASA's Administrator Sean O'Okeefe and Astronaut Sally Ride
Audience: NASA Resource Site: NASA HQ
Client: NASA HQ
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/30/2009 - 0:00:00 Producer: NASA HQ

SRC-000881 -3/3 **45th Anniversary-Moments in NASA History**
Clips of various moments in time that happened at NASA for 45 years with a trivia after each clip.
1. JSC Dedication 2. Challenger 3. Skylab 4. First Flight of F-18 5. The X-Program 6. Sally Ride 7. Longest Stay in Space 8. Mars Pathfinder 9. Loss of Columbia 10. Airplance Crash Test Research 11. Largest Ever Ozone Hole-Shanon Lucid 12. Loss of Apollo 1
13. Seasat 14. Spacelab 15. X-15
Audience: NASA Resource Site: NASA HQ
Client: NASA HQ
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/30/2009 - 0:00:00 Producer: NASA HQ

SRC-000899 -1/2 **STEREO Rollback and Launch (Right Camera Roll)**
Audience: Resource

Client: Media Relations
Master: DVCProHD
Audio 1: Silent 2: Silent
05/10/2007 - 0:30:00 Producer: Borst/Suzuki

SRC-000899 -2/2 **STEREO Rollback and Launch (Left Camera Roll)**
Audience: Resource
Client: Media Relations
Master: DVCProHD
Audio 1: Silent 2: Silent
05/10/2007 - 0:30:00 Producer: Borst/Suzuki

SRC-000900 -1/2 **STEREO Rollback and Launch (Right Camera Roll)**
Audience: Resource
Client: Media Relations
Master: DVCProHD
Audio 1: Silent 2: Silent
05/10/2007 - 0:30:00 Producer: Borst/Suzuki

SRC-000900 -2/2 **STEREO Rollback and Launch (Left Camera Roll)**
Audience: Resource
Client: Media Relations
Master: DVCProHD
Audio 1: Silent 2: Silent
05/10/2007 - 0:30:00 Producer: Borst/Suzuki

SRC-000901 -1/2 **STEREO Rollback and Launch (Right Camera Roll)**
Launch included on this tape.
Audience: Resource
Client: Media Relations
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/10/2007 - 0:16:00 Producer: Borst/Suzuki

SRC-000901 -2/2 **STEREO Rollback and Launch (Left Camera Roll)**
Launch included on this tape.
Audience: Resource
Client: Media Relations
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/10/2007 - 0:16:00 Producer: Borst/Suzuki

SRC-000908 -1/1 **GRAIL animation**
GRAIL = Gravity Recovery And Interior Laboratory
Produced as a part of a NASA Discovery proposal, the animation demonstrates how the two spacecraft will gather

and transmit lunar data.
Audience: JPL NASA Resource
Client: R. Wessen
Master: DVCProHD
Audio 1: MOS 2:
06/15/2007 - 0:02:30 Producer: K. Lane/J. Doherty

SRC-000928 -1/1 **Phoenix/Delta II Compilation #1**
1. Arrival at SLF (5/7/07)
2. Uncovered in the PHSF (5/8/07)
3. Heat Shield Removal (5/9/07)
4. Spin Table & Spin Test (5/10/07)
5. Heat Shield Installation& Spin Test (5/11/07)
6. Heat Shield Deployment Test (5/16/07)
Audience: Resource Site: KSC
Client: Media Relations
Master: DVCProLP Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/22/2007 - 0:50:00 Producer: NASA KSCTV

SRC-000929 -1/2 **Phoenix/Delta II Compilation #2**
1. Landing Radar Installation at PHSF (6/5/07)
2. Move to Rotation Stand & Rotate (6/4/07)
3. 1st Stage Installation at Pad (6/18/07)
4. Solid Rocket Mate (6/19/07).
5. Solar Array Deployment (6/20/07)
6. Media Day at PHSF (6/26/07)
Audience: Resource Site: KSC
Client: Media Relations
Master: DVCProLP Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/22/2007 - 0:30:00 Producer: NASA KSCTV

SRC-000935 -1/1 **Dawn Animation (Updated)**
Master tape is HD 1080i. Dupe master is 720p.
Audience: Resource
Client:
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/24/2007 - 0:03:17

SRC-000939 -1/1 **JPL Robotics**
Testing and demostration of capabilities of various JPL robotics projects. Includes: Mars Exploration Rover(MER), Mars Science Laboratory (MSL),
All-Terrain-Hex-Legged-Extra-Terrestrial-

Explorer(ATHLETE),Spider-bot, Limb Excursion Mechanical Utility Robot(LEMUR),and Cliff-bot.
Audience: Resource
Client: McGregor
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/21/2007 - 0:22:35 Producer: Ford

SRC-000942 -1/1 **DAWN/Delta II Move to Complex 17A, Lift & Mate & Uncovering**
Audience: NASA Resource Site: Cape Canaveral
Client: NASA KSCTV, Org. KSC
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/11/2007 - 0:14:00 Producer: NASA KSCTV

SRC-000953 -1/1 **Opportunity Goes into Victoria Crater -Animation**
Audience: Resource
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/14/2007 - 0:03:00 Producer: SSV

SRC-000979 -1/1 **MER 4th Anniversary Panoramas**
POV from Spirit & Oppurtunity
Sols 1366-1369
Audience: Resource Site: Mars
Client: Media relations
Master:
Audio 1: Mono mix 2: Mono mix
01/14/2008 - 0:53:00 Producer: Eric De Jung

SRC-001019 -1/1 **Mars Reconnaissance Orbiter SHARAD animation**
Animation of MRO's Shallow Radar (SHARAD) instrument showing a cross section of the Martian north pole.
Audience: Gen. Tech. JPL NASA News
Client: MRO
Master: DVCProLP
Audio 1: 2:
05/15/2008 - 0:00:53 Producer: DeJong/Doherty

SRC-001027 -1/1 **Phoenix Video and Animation Collection 1 (May 26-29, 2008)**
5/26/08
1:07 Looking Out Across the Martian Polar Plains
0:18 How Phoenix Gets a Look at Its Footing
0:40 How Phoenix Talks to Earth
0:26 How MRO Photographed Phoenix on Its Parachute

5/27/08
1:19 Phoenix Work Area Animation
5/28/08
1:06 Phoenix Sol 2 Northwestern Panorama
0:19 Phoenix Stretches Its Arm
0:17 View from Above of Phoenix's Stowed Robotic Arm Camera
5/29/08
0:55 Martian Arctic Landscape Panorama Video
0:54 Initial Rock Sizes Pan
0:54 Schematic Location Names Pan
0:55 Phoenix Lidar Operation Animation
Audience: Resource
Client: Webster
Master: DVCProHD
Audio 1: MOS 2: MOS
05/29/2008 - 0:09:42 Producer: DIAL

SRC-001030 -1/4 **OSTM/Jason 2 Arrival Footage to Vandenberg Air Force Base**
Spacecraft will orbit the Earth measuring ocean surface height providing daily weather maps and will help scientists monitor hurricane activity.
On this tape: Spacecraft arrives at Vandenberg Air Force Base and is off-loaded to a transport to a cleanroom. For more info., contact: 805-606-1117
Audience: Resource
Client: Margaret Srinivasan
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
Arrived at Vandenberg on April 29, 2008
06/09/2008 - 0:30:00 Producer: Vandenberg AFB

SRC-001030 -2/4 **OSTM/Jason 2 Arrival Footage to Vandenberg Air Force Base**
Spacecraft will orbit the Earth measuring ocean surface height providing daily weather maps and will help scientists monitor hurricane activity.
On this tape: Spacecraft arrives at Vandenberg Air Force Base and is off-loaded to a transport to a cleanroom. For more info.,contact:805-606-1117
Audience: Resource
Client: Margaret Srinivasan
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
Arrived at Vandenberg on April 29, 2008
06/09/2008 - 0:52:42 Producer: Vandenberg AFB

SRC-001030 -3/4 **OSTM/Jason 2 Arrival Footage to Vandenberg Air Force Base**

Spacecraft will orbit the Earth measuring ocean surface
height providing daily weather maps and
will help scientists monitor hurricane activity.
On this tape: Spacecraft unpacked and transferred to dolly.
First two minutes is a bad.
For more info.,contact: 805-606-1117.
Audience: Resource
Client: Margaret Srinivasan
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
Arrived at Vandenberg on April 29, 2008
06/09/2008 - 0:36:00 Producer: Vandenberg AFB

SRC-001030 -4/4 **OSTM/Jason 2 Arrival Footage to Vandenberg Air Force Base**
Spacecraft will orbit the Earth measuring ocean surface
height providing daily weather maps and
will help scientists monitor hurricane activity.
On this tape: Spacecraft is tilted to vertical.
For more info.,contact: 805-606-1117.
Audience: Resource
Client: Margaret Srinivasan
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
Arrived at Vandenberg on April 29, 2008
06/09/2008 - 0:26:00 Producer: Vandenberg AFB

SRC-001042 -1/1 **KEPLER-Ball Aerospace-Clean Room "B" Roll**
5/07-Shear Panel Mate to Propulsion Deck
8/07-Primary Mirror Assemby Inspection
10/07-Schmidt Corrector Mate to Second Stage
10/5/07-Second Stage Fit Check
12/07-Focal Plane Installation & Battle Integration to
Primary Mirror Assembly
12/27/07-Move to Vertical Collinator Assemby
5/1/08-Photo Meter Stack
7/11/08-Solar Array Installation
Audience: Resource Site: Clean Room
Client: Ball Aerospace
Master: DV Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/11/2008 - 0:19:56 Producer: Ball Aerospace

SRC-001046 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 4 ops / Sol 5 briefing..**
Cleared raw footage from Phoenix Mars Lander surface
operations at the University of Arizona in Tucson. Sol 4
operations / Charles Elachi visits midpoint meeting / Sol 5

press briefing. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/29/2008 - 0:32:32 Producer: Hulme

SRC-001047 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 5 briefing...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 5 press briefing (pt. 2) / Bill Boynton discussing TEGA with reporters / Matt Robinson reviewing images. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/30/2008 - 0:31:57 Producer: Hulme

SRC-001048 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 7 ops / midpoint mtg...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 7 operations / midpoint meeting / planning TEGA drop. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/01/2008 - 0:32:06 Producer: Hulme

SRC-001049 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 7 ops / dig & dump...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 7 operations / various discussions on dig & dump site. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/01/2008 - 0:31:36 Producer: Hulme

SRC-001050 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 7 science briefing...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 7 science briefing / Sol 8 midpoint meeting. Camera: John Beck

Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/01/2008 - 0:27:14 Producer: Hulme

SRC-001051 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 8 ops / image downlink..**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 8 operations / image downlink / Ashitey Trebi-Ollennu & Ray Ardvison discussion / Peter Smith on dirt disappearance. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/02/2008 - 0:23:47 Producer: Tozzi

SRC-001052 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 8 ops / midpoint mtg...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 8 operations / Peter Smith on dirt disappearance (pt. 2) / midpoint meeting. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/02/2008 - 0:29:04 Producer: Tozzi

SRC-001053 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 8 & 9 ops / meetings...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 8 & 9 operations / midpoint meetings / scheduling. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/02/2008 - 0:30:17 Producer: Tozzi

SRC-001054 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 9 & 10 ops / RA demo...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 9 & 10 operations / midpoint meeting / Ashitey Trebi-Ollennu demonstrates robotic arm. Camera: John Beck
Audience: Resource Site: U of A

Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/03/2008 - 0:30:40 Producer: Tozzi

SRC-001055 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 10 ops / ice discussion**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 10 operations / ice discussion with Peter Smith, Bill Boynton, Doug Ming & Mark Lemmon. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/04/2008 - 0:26:28 Producer: Tozzi

SRC-001056 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 10 & 11 ops...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 10 & 11 operations / midpoint meeting / debating surface materials. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/05/2008 - 0:30:48 Producer: Hulme

SRC-001057 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 11 ops / midpoint mtg...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 11 operations / end of midpoint meeting / media telecon. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2008 - 0:33:04 Producer: Beck

SRC-001058 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 11 ops / TEGA ready...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 11 operations / debating surface materials / Peter Smith discusses "bluish material" / TEGA ready. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP

Audio 1: Mono mix 2: Mono mix
06/06/2008 - 0:30:34 Producer: Hulme

SRC-001059 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 14 ops / TEGA trouble...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 14 operations / TEGA difficulties. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/09/2008 - 0:33:37 Producer: Beck

SRC-001060 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 14 ops / midpoint mtg**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 14 operations / midpoint meeting. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/09/2008 - 0:28:47 Producer: Hulme

SRC-001061 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 15 ops / midpoint mtg..**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 15 operations / midpoint meeting / sprinkle test discussions. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/10/2008 - 0:26:21 Producer: Hulme

SRC-001062 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 15 & 16 ops / TEGA...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 15 & 16 operations / Bill Boynton & Doug Ming discuss TEGA sprinkle and clumping. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/10/2008 - 0:26:40 Producer: Tozzi

SRC-001063 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 16 ops / TEGA success...**

Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 16 operations / midpoint meeting / TEGA sucess (oven full).
Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/11/2008 - 0:29:52 Producer: Tozzi

SRC-001064 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 17 ops / microscopy...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 17 operations / first microscopy data / MECA spinkling / microscopic images. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/12/2008 - 0:30:50 Producer: Tozzi

SRC-001065 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 18 ops / uplink room...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 18 operations / uplink room / prep for press briefing. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/13/2008 - 0:22:24 Producer: Tozzi

SRC-001066 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 18 ops / sprinkle...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 18 operations / sprinkle shot / jam-packed schedule / data downlink. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/13/2008 - 0:32:08 Producer: Beck

SRC-001067 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 18 ops / data downlink..**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 18

operations / data downlink (pt. 2) / hanging up microscopy image / high albedo trench. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/13/2008 - 0:30:53 Producer: Hulme

SRC-001068 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 19 ops / trench review..**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 19 operations / group looking at trench. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/14/2008 - 0:33:57 Producer: Beck

SRC-001069 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 19 ops / trench & scoop**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 19 operations / discussing trench and scoop. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/14/2008 - 0:32:01 Producer: Beck

SRC-001070 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 19 & 20 ops...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 19 & 20 operations / lander testbed using MECA. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/15/2008 - 0:32:59 Producer: Beck

SRC-001071 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 20 ops / RA team...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 20 operations / discussion with robotic arm team / Bill Boynton discusses data. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861

Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/15/2008 - 0:26:15 Producer: Beck

SRC-001072 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 20 ops / testbed TEGA...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 20 operations / lander testbed TEGA test (pt. 1). Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/15/2008 - 0:31:58 Producer: Beck

SRC-001073 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 20 & 21 ops / testbed..**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 20 & 21 operations / lander testbed TEGA test (pt. 2) / "Wonderland" planning. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/16/2008 - 0:30:22 Producer: Hulme

SRC-001074 -1/1 **Phoenix Mars Lander cleared raw footage - Sol 21 ops...**
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 21 operations / Ashitey Trebi-Ollennu shows "Wonderland" dig / midpoint meeting. Camera: John Beck
Audience: Resource Site: U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/16/2008 - 0:20:34 Producer: Beck

SRC-001078 -1/1 **MER cleared raw footage: Opporunity IDD stow challenges - test in ISIL**
Cleared raw footage of Mars Exploration Rover testing in the In-Situ Instrument Laboratory (ISIL) in response to robotic arm stowing challenges seen on Opportunity. Camera: John Beck
Features, among others: Ashitey Trebi-Ollennu, Eric Baumgartner, Jim Erickson, Joe Melko, John Callas & Lori Shiraishi.

Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/23/2005 - 0:28:31 Producer: Hulme

SRC-001079 -1/2 **MER cleared raw footage: Spirit Sol 714 rover planning meeting**
Cleared raw footage of Mars Exploration Rover team planning Sol 714 operations for Spirit. Tape 1 of 2 features more discussion among team, Tape 2 of 2 features more of team members using software to visualize planned activities.
Camera: John Beck
Features, among others: Dina El Deeb, Alicia Vaughan, Scott Maxwell, Alfonso Herrera, Pauline Hwang, Beth Dewell, Justin Maki & Chris Leger.
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/04/2006 - 0:27:08 Producer: Hulme

SRC-001079 -2/2 **MER cleared raw footage: Spirit Sol 714 rover planning meeting**
Cleared raw footage of Mars Exploration Rover team planning Sol 714 operations for Spirit. Tape 1 of 2 features more discussion among team, Tape 2 of 2 features more of team members using software to visualize planned activities.
Camera: John Beck
Features, among others: Dina El Deeb, Alicia Vaughan, Scott Maxwell, Alfonso Herrera, Pauline Hwang, Beth Dewell, Justin Maki & Chris Leger.
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/04/2006 - 0:30:27 Producer: Hulme

SRC-001080 -1/2 **MER cleared raw footage: Spirit 5-wheel drive testing in ISIL**
Cleared raw footage of Mars Exploration Rover testing in the In-Situ Instrument Laboratory (ISIL) in response to the stuck wheel seen on Spirit. Engineers test ways to get the rover up on a tilt to maximize solar power during winter on Mars. Camera: John Beck
Features, among others: Ashitey Trebi-Ollennu, Chris Voorhees, Randy Lindemann, Jake Matijevic & Rich Petras.
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861

Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/04/2006 - 0:27:34 Producer: Hulme

SRC-001080 -2/2 **MER cleared raw footage: Spirit 5-wheel drive testing in ISIL**
Cleared raw footage of Mars Exploration Rover testing in the In-Situ Instrument Laboratory (ISIL) in response to the stuck wheel seen on Spirit. Engineers test ways to get the rover up on a tilt to maximize solar power during winter on Mars. Camera: John Beck
Features, among others: Ashitey Trebi-Ollennu, Chris Voorhees, Randy Lindemann, Jake Matijevic & Rich Petras.
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/04/2006 - 0:22:02 Producer: Hulme

SRC-001081 -1/1 **MER cleared raw footage: Opportunity Sol 987 SOWG meeting**
Cleared raw footage of Mars Exploration Rover team conducting the Opportunity Sol 987 Science Operations Working Group (SOWG) meeting. Camera: John Beck
Features, among others: Alicia Vaughan, Nicole Spanovich, Pauline Hwang, Khaled Ali & Steve Squyres (by video phone connection).
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/03/2006 - 0:13:18 Producer: Hulme

SRC-001082 -1/1 **MER cleared raw footage: Opportunity Sol 997 SOWG meeting**
Cleared raw footage of Mars Exploration Rover team conducting the Opportunity Sol 997 Science Operations Working Group (SOWG) meeting. Camera: John Beck
Features, among others: Cindy Oda, Dan Gaines, Nicole Spanovich, Scott Maxwell & Steve Squyres (by video phone connection).
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/13/2006 - 0:18:42 Producer: Hulme

SRC-001083 -1/1 **MER cleared raw footage: Opportunity Sol 1238 rover planning meeting**

Cleared raw footage of Mars Exploration Rover team planning Sol 1238 operations for Opportunity. Rover team responds to challenges related to a dust storm affecting the rover at the edge of Victoria Crater. Camera: John Beck
Features, among others: Jake Matijevic, Alfonso Herrera, Colette Lohr & Dan Gaines.
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/18/2007 - 0:12:37 Producer: Hulme

SRC-001084 -1/1 **MER cleared raw footage: Opportunity Sol 1239 rover planning meeting**

Cleared raw footage of Mars Exploration Rover team planning Sol 1239 operations for Opportunity. Rover team, responding to challenges related to a dust storm affecting the rover at the edge of Victoria Crater, has a debrief teleconference with Steve Squyres. Camera: John Beck
Features, among others: Alfonso Herrera, John Callas, Colette Lohr, Dan Gaines & Steve Squyres (on phone hookup).
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/19/2007 - 0:06:16 Producer: Hulme

SRC-001085 -1/1 **MER cleared raw footage: Opportunity Sol 1538 stuck robotic arm issue**

Cleared raw footage relating to Mars Exploration Rover Opportunity's stuck robotic arm. Includes SOl 1538 Science Operations Working Group (SOWG) meeting and rover testing in In-Situ Instrument Laboratory (ISIL). Camera: John Beck
Features, among others: Colette Lohr, Pauline Hwang, Steve Squyres (by video phone), Rob Sullivan (by video phone), Khaled Ali & Paolo Bellutta.
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/22/2008 - 0:13:36 Producer: Hulme

SRC-001086 -1/1 **MER cleared raw footage: Opportunity soft soil driving tests in ISIL**

Cleared raw footage of Mars Exploration Rover team members driving a test rover in soft soil simulant (a mixture of diatomaceous earth, play sand, and other fine-grained material). Testing conducted in JPL's in In-Situ Instrument

Laboratory (ISIL). Camera: Mark Kennedy
Features, among others:
Randy Lindemann
Chris Voorhees
Rob Sullivan
Rick Welch
Paolo Bellutta
Jeff Biesiadecki
Brian Cooper
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/02/2005 - 0:32:43 Producer: Hulme

SRC-001087 -1/1 **Phoenix Mars Lander cleared raw footage: pre-launch shots of TEGA**
Cleared raw footage containing various pre-launch shots of the Thermal Evolved Gas Analyzer (TEGA) instrument for the Phoenix spacecraft. Includes shots from cleanrooms at Lockheed Martin and the University of Arizona. Camera: Cory Borst, Reggie Hardine & John Beck
PART 1
Description: This footage shows the Phoenix Mars Lander during assembly and testing, with a focus on the Thermal Evolved Gas Analyzer (TEGA) instrument. Engineers watch as the robotic arm is moved to various positions above the instrument. Also included is a close-up pan of the spacecraft's meteorological station (MET).
Location: Lockeed Martin, Littleton, Colorado
Segment runtime: 02:48
Date: 07/18-19/06
Camera: Cory Borst & Reggie Hardine
PART 2
Description: This footage shows the engineering qualification model of the Thermal Evolved Gas Analyzer (TEGA) instrument for the Phoenix Mars Lander. After a close-up of the device in a cleanroom at the University of Arizona's Lunar and Planetary Laboratory, TEGA instrument manager Heather Enos describes the instrument's function.
Audience: Resource Site: LMA / U of A
Client: S. Kulczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/18/2006 - 0:05:13 Producer: Hulme

SRC-001088 -1/1 **MSL cleared raw footage: Descent Stage and Mobility System inspection**

Cleared raw footage of Mars Science Laboratory rover hardware and team members. Includes crane lift and inspection of the descent stage (shot 7/2/08) and rover standing on its deployed wheels and mobility system (shot 9/3/08). All footage shot at JPL. Camera: John Beck
Audience: Resource Site: JPL
Client: S. Kulczycki, Org. 1861
Master: DVCProLP Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/24/2008 - 0:06:18 Producer: Beck

SRC-001092 -1/1 **Mercury / Gemini / Apollo Resource Reel - Astronaut**
SILENT compilation of historical footage.
10:30:45 Mercury Program (TRT 24:47)
10:55:42 Gemini Program (TRT 18:34)
11:14:27 Apollo Program (TRT 1:05:15)
Audience: Resource
Client: Anita Sohus
Master: DVCPro25
Audio 1: Silent 2: Silent
10/07/2008 - 1:50:00

SRC-001121 -1/1 **MSL cleared raw footage: October 2008 Highlights**
Cleared raw footage compilation includes: 1) MSL descent stage mock hardware installation, 2) MSL rover mobility deployment test, 3) MSL radar system testing at NASA Dryden, 4) MSL subsytem hardware in assembly facility, and 5) MSL DTM rover structural qualification testing.
Audience: Resource Site: JPL / Dryden
Client: Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/15/2008 - 0:30:42 Producer: Hulme

SRC-001122 -1/1 **MSL cleared raw footage: November 2008 Highlights**
Cleared raw footage compilation including Mars Science Laboratory (MSL) spacecraft stacking in the cleanroom at JPL's Spacecraft Assembly Facility (SAF). Camera: John Beck, Scott Hulme
Audience: Resource Site: JPL
Client: Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/15/2008 - 0:59:57 Producer: Hulme

SRC-001139 -1/1 **Juno Source Reel #1 - animations - compiled by SSV**

Insertion (JOI) trajectory; simple anim of JOI;
representative live-action launch (silent);
Origins anim; Jupiter anims; interior, atmosphere,
magnetosphere, globe with comet scars; HD
animation of June S/C; Anim deploy/flight/JOI.
Audience: Resource
Client: JPL
Master: DVCProLP
Audio 1: Silent 2: Silent
01/26/2009 - 0:23:13 Producer: SSV

SRC-001150 -1/1 **MSL cleared raw footage: December 2008 highlights**
Cleared raw footage compilation including Mars Science
Laboratory (MSL) spacecraft transport from JPL's Spacecraft
Assembly Facility (SAF) to Bldg. 144 and MSL DTM rover
mobility deployment test in SAF. Both events shot
12/3/2008. Camera: John Beck
Audience: Resource Site: JPL
Client: Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/12/2009 - 0:23:12 Producer: Hulme

SRC-001151 -1/1 **MSL cleared raw footage: Landing Site Selection highlights for TW@N**
Short edited compilation of highlights from Mars Science
Laboratory (MSL) Landing Site Selection meetings at
DoubleTree hotel in Monrovia, CA (September 2008). Cut
together for NASA HQ's roundup program "This Week @ NASA."
Camera: John Beck & Scott Hulme
Audience: Resource Site: Monrovia, CA
Client: NASA HQ
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/17/2008 - 0:02:42 Producer: Beck

SRC-001160 -1/1 **Kepler Media Release Footage for Launch Day**
Launch & Deployment animation;Kepler Orbit animation;Kepler
Optical Path animation;
Diversity of planets animation;Occultation Graph
animation;Kepler Range of View animation;Water World
animation and Spacecraft Processing b-roll
Spacecraft Processing b-roll
Audience: Resource
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix

03/06/2009 - 0:08:50 Producer: Savona

SRC-001166 -1/1 **MSL cleared raw footage: January/February 2009 highlights**
Cleared raw footage compilation including Mars Science Laboratory (MSL) spacecraft in thermal vacuum chamber, robotic drill sample delivery demo, new garnet delivery and installation in JPL's In-Situ Instrument Laboratory and rover/descent stage separation in SAF. Camera:Beck
Audience: Resource Site: JPL
Client: Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/17/2009 - 0:35:56 Producer: Hulme

SRC-001171 -1/2 **Kepler Launch - Kepler/Delta II Handout Tape**
Rocket on launchpad.
Various preproduced segments of assembly, testing.
Launch is on Part 2 at 16:11:09
Audience: Gen. JPL NASA Resource
Client: JPL
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/06/2009 - 1:00:37 Producer: KSC

SRC-001171 -2/2 **Kepler Launch - Kepler/Delta II Handout Tape**
Rocket on launchpad.
Various preproduced segments of assembly, testing.
Launch is at 16:11:09
Launch replays from alternate cameras begin at 16:27:08
Audience: Gen. JPL NASA Resource
Client: JPL
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/06/2009 - 0:55:44 Producer: KSC

SRC-001185 -1/2 **Kepler/Delta II Compilation #1**
10/30-11/03/08 15:23 Solid Motor Mate
11//18/08 4:34 Logo Application to Delta 1st Stage
12/17/08 6:10 2nd Stage Mate to 1st Stage
1/6-12/09 17:48 Kepler Spacecraft arrival, unbagging, to workstand and lighting tests
(From 10/30/08 to 1/12/09
Audience: Resource
Client:

Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/15/2009 - 0:46:14 Producer: NASA KSCTV

SRC-001185 -2/2 **Kepler/Delta II Compilation #2**
1/6&12-13/09 17:48 Arrival, Offload; unbag; light Sensor check; Solar Array Test
1/30/09 4:57 Media Show
2/2&3/09 11:26 Kepler bagging 2/2/09; Move to HPE&lift to stand 2/3/09. 2/13/09 3:36 Lift&Weigh 2/16/09 10:00 Lift to 3rd stage
Audience: Resource
Client:
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/15/2009 - 0:49:03 Producer: NASA KSCTV

SRC-001193 -1/2 **MSL cleared raw footage: March/April 2009 highlights**
Cleared raw footage compilation of Mars Science Laboratory (MSL) parachute testing at NASA Ames. Features two mortar-fire tests, one sleeve-deployment test, and trouble w/ a flat tire. Footage from handheld documentary camera and from stationary camera mounted in the wind tunnel.
Audience: Resource Site: NASA Ames
Client: Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/20/2009 - 0:59:05 Producer: Hulme

SRC-001193 -2/2 **MSL cleared raw footage: March/April 2009 highlights**
Cleared raw footage compilation of Mars Science Laboratory (MSL) material. Features mobility deployment on MSL's DTM rover, photo-op of three rover models (MSL, MER & MPF) posed in JPL's Mars Yard, and MSL drill and sample delivery testing in Bldg. 125. Camera: John Beck
Audience: Resource Site: NASA Ames
Client: Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/20/2009 - 0:20:26 Producer: Hulme

SRC-001209 -1/1 **MER cleared raw footage: "Free Spirit" testing highlights**
Cleared raw footage compilation of Mars Exploration Rover (MER) engineers conducting tests in JPL's In-Situ Instrument Laboratory. Tests designed to determine the best way to free the Spirit rover, stuck in a sand trap on Mars. Using

a mixture of fire clay and diatomaceous earth, engineers create a powdery soil simulant and drive a test rover into the material to gauge its performance. Camera: John Beck
Audience: Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/23/2009 - 0:17:25 Producer: Scott Hulme

SRC-001253 -1/1 **Saturn Family Tour - animation of new ring discovered**
Animation of Saturnian system, zooms out to show huge new ring discovered by Spitzer Space Telescope.
Audience: Resource
Client: Agle
Master: DVCProLP Submaster: DVCPro25
Audio 1: Silent 2: Silent
10/07/2009 - 0:00:35 Producer: Kline

SRC-001255 -1/1 **WISE - Widefield Infrared Survey Explorer B-roll from Ball**
Engineering payload in Ball Aerospace clean room. Integrated spacecraft in Ball's Electromagnetic Interference Chamber. Integrated spacecraft in Ball Aerospace clean room.
Audience: Resource
Client: Clavin
Master: DVCProLP
Audio 1: Silent 2: Silent
10/08/2009 - 0:05:20 Producer: Ball Aerospace

SRC-001278 -1/1 **MER cleared raw footage: "Free Spirit" tests 11 & 12 in ISIL**
Raw footage highlights compilation of Mars Exploration Rover team members conducting further tests to help extricate Spirit from its Martian sand trap. Shot in JPL's In-Situ Instrument Laboratory on 07/31/2009. Camera: John Beck
Features, in order of appearance: Kim Lichtenberg, Tara Estlin, Colette Lohr, Paolo Bellutta, Scott Maxwell, Alfonso Herrera & Mike Seibert.
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/11/2010 - 0:06:58 Producer: Hulme

SRC-001279 -1/1 **MER cleared raw footage: Spirit Extraction Test Plan & Results Review**
Raw footage highlights compilation of Mars Exploration Rover team members presenting and discussing results of tests to

help free Spirit from its Martian sand trap. Shot in Bldg 264 at JPL. Camera: John Beck.
Seated around table, in order, are: Matt Golombek, Brenda Franklin, Joe Melko, Chris Voorhees, John Callas, Ashley Stroupe, Jake Matijevic, Frank Hartman, Bill Nelson, Julie Townsend, and Lutz Richter. In the back row: Scott Maxwell, Jeff Biesiadecki, Chris Leger, John Wright, and Rick Welch.
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/11/2010 - 0:39:11 Producer: Hulme

SRC-001280 -1/1 **MER cleared raw footage: "Free Spirit" post-review discussions & tests**
Raw footage highlights compilation of Mars Exploration Rover team members discussing and demonstrating test setups designed to help free Spirit from its Martian sand trap.
Shot in JPL's In-Situ Instrument Laboratory on 8/18/2009.
Camera: John Beck
Seated around table, clockwise, are: Randy Lindemann, Ray Arvidson, John Callas, Jake Matijevic, Ashley Stroupe, Bruce Banerdt, and Brenda Franklin.
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/11/2010 - 0:26:30 Producer: Hulme

SRC-001281 -1/1 **MER cleared raw footage: "Free Spirit" ORT highlights - Oct. 2009**
Raw footage highlights compilation of Mars Exploration Rover team members conducting driving tests and strategy meetings as part of an Operational Readianess Test to help formulate plans to extract the Spirit rover from its Martian sand trap. Camera: John Beck
Part 1:
"Free Spirit" Operational Readiness Testing in ISIL
Date: 10/14/2009
Segment runtime: [10:56]
Description: Spirit rover team members conduct Operational Readiness Test driving in JPL's In-Situ Instrument Laboratory. Joe Carsten drives the rover, while Bruce Banerdt and Brenda Franklin take post-drive measurements.
Part 2:
Sol 2086 Extrication Briefing
Date: 10/16/2009
Segment runtime: [11:40]

Description: Spirit rover engineers and scientists discuss results and recommendations based on Operational Readiness Test driving in the In-Situ Instrument Laboratory. Features Kevin Talley, Matt Keuneke, Scott Lever, Sharon Laubach, Bruce Banerdt, Tara Estlin, John Wright, Scott Maxwell, Jake Matijevic, Ashley Stroupe and John Callas.
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/11/2010 - 0:23:11 Producer: Hulme

SRC-001282 -1/1 **MER cleared raw footage: "Free Spirit" planning mtg highlights, Nov 09**

Raw footage highlights compilation of Mars Exploration Rover team members conducting meetings to track Spirit's progress and formulate plans to extract the spacecraft from its Martian sand trap. Shot in Bldg 264 at JPL. Camera: John Beck
Part 1:
Planning meeting for Spirit Sol 2088
Date: 11/16/2009
Segment runtime: [7:02]
Featuring, in order of appearance: Scott Maxwell, John Callas, Paolo Bellutta, Matt Keuneke, Brenda Franklin, Scott Lever, Tara Estlin, Bill Nelson, Jake Matijevic, Mike Seibert.
Part 2:
Planning meeting for Spirit Sol 2089
Date: 11/17/2009
Segment runtime: [3:48]
Featuring, in order of appearance: Mike Seibert, Matt van Kirk, Dina El Deeb, Scott Lever, Nimisha Mittal.
Part 3:
Planning meeting for Spirit Sol 2095
Date: 11/23/2009
Segment runtime: [7:32]
Featuring, in order of appearance: Scott Maxwell, Tara Estlin, Ashley Stroupe, Mike Seibert, Grailing Jones, Nimisha Mittal, Julie Townsend, John Callas, Matt Keuneke, Brenda Franklin.
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/11/2010 - 0:19:09 Producer: Hulme

SRC-001290 -1/3 **Wide Field Infrared (WISE) Survey Explorer Delta II Launch**
Launch broadcast at 4am PST (7am EST. Shows launch control center with Tracy Youing as the commentator. Various camera shots and interviews with: Chuck Dovale-Nasa Launch Dir.; Joan Howard-WISE Program Mgr-Ball Aerospace; Armando Piloto-WISE (KSC) Mission Mgr.; and Feng Chuan Liu-WISE Deputy Project Mgr., JPL
Launch broadcast at 4am PST (7am EST) from Vandenberg Air Force Base.
Audience: Resource Site: Vandenberg AFB
Client: Gay Yee Hill, Org. 1871
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/14/2009 - 1:26:39 Producer: NASA KSCTV

SRC-001290 -2/3 **Wide Field Infrared (WISE) Survey Explorer Delta II Launch**
Starts with camera shot of engines. Voice of Tracy Young-NASA Launch commentator. Plays a Launch Services Program (LSP) "Earth's Bridge to Space" video; interviews with: Steve Francis-Program Manager, Launch Services (KSC); Wanda Harding-Mission Manager,Flight Projects Office (KSC); Amanda Mitskevich, Deputy Manager, Launch Services Program (KSC); Omar Baez-Launch Director, Laucnh Services (KSC); Tom Gavin, Associate Dir. Flight Proj & Mission Success for JPL; Chuck Dovale-Launch Director LSP, (KSC); James Wood-Chief Engineer, LSP (KSC); Gien Fountain-New Horizons Prject Manager, John Hopkins Univ. Applied Physics Lab; Rick Obenschain-Active Director, Goddard Space Flight Center. Shots of mission control area. Launch has the voice of Steve Agid which is Launch Vehicle Telemetry Manager, shots of inside Telmetry Lab at KSC and inside the Telemetry Lab at Vandenberg, AFB, CA. Shots of the Mission Director's chair. Footage of the Launch Vehicle Data Center #2 and #1.
Audience: Resource Site: Vandenberg AFB
Client: Gay Yee Hill, Org. 1871
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
12/14/2009 - 1:23:03 Producer: NASA KSCTV

SRC-001290 -3/3 **Wide Field Infrared (WISE) Survey Explorer Delta II Launch**
Long slate. Shows animation of the WISE spacecraft. The Mission Director's Center with Tracy Young-NASA Launch Commentator interviewing Chuck Dovale-NASA Launch Director at KSC.
Audience: Resource Site: Vandenberg AFB

Client: Gay Yee Hill, Org. 1871
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
12/14/2009 - 0:29:05 Producer: NASA KSCTV

SRC-001296 -1/1 **MER cleared raw footage: Spirit planning mtg highlights, Dec 2009**
Raw footage highlights compilation of Mars Exploration Rover team members conducting meetings to track Spirit's progress and improve its situation at the Martian sand trap known as "Troy." Camera: John Beck
PART 1:
Rover planning meeting for Spirit Sol 2113 & 2114
Date captured: 12/14/2009
Segment runtime: [11:37]
Featuring, in order of appearance: Dina El Deeb, Jared Call, Ashley Stroupe, Scott Maxwell and Matt Keuneke.
PART 2:
Science operations planning meeting for Spirit Sol 2117
Date captured: 12/16/2009
Segment runtime: [11:28]
Featuring, in order of appearance: Matt Golombek, Scott Lever, John Callas, Paolo Bellutta, Jake Matijevic, Grailing Jones, Richard Springer, Julie Townsend and John Wright.
PART 3:
Rover planning meeting for Spirit Sol 2125-2129
Date captured: 12/22/2009
Segment runtime: [09:55]
Featuring, in order of appearance: John Wright, Ashley Stroupe, Mike Seibert, Grailing Jones, Brenda Franklin, Matt Keuneke and Bill Nelson.
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/16/2010 - 0:33:31 Producer: Hulme

SRC-001297 -1/1 **MER cleared raw footage: Spirit All-Hands Meeting, w/ 2116 go/no-go**
Raw footage highlights compilation of Mars Exploration Rover team members discussing future strategic plans for Spirit, based on recent changes in performance of various wheels. Features John Callas, Jennifer Herman, Paolo Bellutta, Scott Maxwell, Scott Lever, and several other Mars team members.
Shot on: 12/14/2009 Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP

Audio 1: Mono mix 2: Mono mix
02/16/2010 - 0:36:56 Producer: Hulme

SRC-001298 -1/1 **MSL cleared raw footage: Curiosity Sky Crane Drop Test Readiness Revie**

Raw footage highlights compilation of Mars Science Laboratoryr team members discussing plans for the upcoming frop test of the Curiosity rover hardware. Features Chris Voorhees, John Gallon, Adam Steltzner, Tom Rivellini, Thom Wynne and several other Mars team members. Shot on: 12/16/2009 Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/16/2010 - 0:14:05 Producer: Hulme

SRC-001299 -1/1 **MER cleared raw footage: Spirit planning mtg highlights, Jan 2010**

Raw footage highlights compilation of Mars Exploration Rover team members conducting meetings to track Spirit's progress and improve its situation at the Martian sand trap known as "Troy." Camera: John Beck
PART 1:
Rover planning meeting for Spirit Sol 2153-2155
Date captured: 1/22/2010
Segment runtime: [10:04]
Featuring, in order of appearance: Grailing Jones, John Wright, Jaime Catchen, Scott Maxwell, Mike Seibert, Ashley Stroupe, John Callas and Scott Lever.
PART 2:
Science operations planning meeting for Spirit Sol 2153-2155
Date captured: 1/22/2010
Segment runtime: [10:19]
Featuring: Mike Seibert, Scott Lever, Grailing Jones, Jaime Catchen, Matt van Kirk, Linda Lee, Ashley Stroupe, Tara Estlin, John Wright, Scott Maxwell, Nimisha Mittal, John Callas, and via teleconference, Michael Sims and Ray Arvidson.
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/16/2010 - 0:20:59 Producer: Hulme

SRC-001300 -1/1 **MSL cleared raw footage: Curiosity robotic arm motion testing in ISIL**

Raw footage highlights compilation of Mars Science

Laboratory engineers testing the flight model of Curiosity's robotic arm in JPL's In-Situ Instrument Laboratory. After a few initial command failures, the arm is successfully moved using commands sent by engineer Brandon Metz. Shot on: 1/21/2010 Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/16/2010 - 0:12:54 Producer: Hulme

SRC-001302 -1/1 **Black History Month Featuring MER's Arturo Rankin**
Arturo Rankin is a senior member of the technical staff at NASA's Jet Propulsion Laboratory. He is a rover engineer currently working on the Mars Exploration Rover (MER) project. Includes: Edited full mix (1:44); A-roll (1:40) and B-roll (1:10)
This was produced for NASA Television.
Audience: Resource
Client: NASA TV/Hill
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
HQ Contact - Celeste Crenshaw 202-358-0016
02/22/2010 - 0:05:07 Producer: Savona/Hill

SRC-001307 -1/1 **WISE Launched from Vandenberg to Explore in the Infrared**
Wide-field Infrared Survey Explorer (WISE) launched on Dec. 14, 2009 from Vandenberg Air Force Base in California. Included are the following: Launch is at 5:45; Animation of some telescope deployment begins at 8:12; Launch replays at 23:45.
Audience: Resource
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
Recorded-off NASA TV
12/14/2009 - 0:47:32 Producer: Borst

SRC-001310 -1/1 **"Women's History Month" featuring Jaime Waydo**
Jaime Waydo is a Mechanical Systems Engineer on the Mars Science Laboratory (MSL) at JPL. Includes: Edited feature for NASA TV; raw interview and supporting b-roll.
Audience: Resource
Client: NASA TV
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix

03/18/2010 - 0:07:27 Producer: Savona/Petrovich

SRC-001312 -1/2 **FIRST Robotics Competition 2010**
The FIRST Robotics Competition was held at the Long Beach convention center and features high school students teams competing with their designed and built robots from around the Los Angeles area.
Includes: Interviews and b-roll of the event.
Audience: Resource Site: Long Beach
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/26/2010 - 0:32:00 Producer: Clavin/Mejia

SRC-001312 -2/2 **FIRST Robotics Competition 2010**
The FIRST Robotics Competition was held at the Long Beach convention center and features high school students teams competing with their designed and built robots from around the Los Angeles area.
Includes: Interviews and b-roll of the event.
Audience: Resource Site: Long Beach
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/26/2010 - 0:20:00 Producer: Clavin/Mejia

SRC-001334 -1/1 **A-20A Airplane Flight Test Report/Reel #1- Branson #4**
Rowe #78, Branson #5 A-20A Report Reel 1(Access Barcode #AA0076765) Film transferred to HDCAM-Letterboxed and Cross Conversion to DVCPro 50-Leterboxed on 4/7/10 by FotoKem in Burbank, CA. PO#1398506.
Flight tests of the A-20A Airplane equipped with two 1000lb thrust liquid propellant jet units at Muroc, CA (April 19-24, 1942). by the air Corps Jet Proulsion Research Project, Galcit Project Number 1.
Flight Test Personnel Material Center, Army Air Forces-Aircraft Laboratory
Major P.H. Dane-Test Pilot, M.G. Cassell-Installation Inspector, L.A. Brady-Crew Chief, A.C. Loedding-Observer.
Air Corp Jet Propulsion Research Project
Dr. Theodore von Kármán-Technical Director, Dr. C.B. Millikan-Aerodynamics Consultant, Dr. F.S. Malina-Chief Engineer, Dr. M. Summerfield-Project Engineer, W.B. Powell-Research Engineer, E.G. Crofut-Designer, B. Forman-Chief Mechanic-Jet Operator in Flight Tests, R.

Terbeck-Assist. Chief Mechanic, W.H. Wheeler-Mechanic, A. Richardson-Mechanic, W. Gibson-Mechanic, L.Gaul-Mechanic's helper, W.C. Stephenson-Mechanic's helper, H. Farrell-Mechanic's helper, Al Richardson-Mechanic's helper, G. Emmerson-Photographer
Civil Aeronautics Administration Flight Engineering and Factory Inspection-Inspection Div.
E.W. Fales-Aeronautical Engineer, J. Matulaitis-Aeronautical Engineer, N.N. Rubin-Assoc. Aeronautic Engineer.
Acknowledgements:
The adaptions of the A-20A airplane for the jet propulsion installation was carried out by the aircraft laboratory of the Army Air Forces Material Center, Wright Field. the personnel made available by the commanding officer of the Muroc Bombing & Gunnery Range Detachment greatly facilated the flight tests.
Introduction:
During August, 1941, the Air Corps Jet Propulsion Research Project completed a series of flight tests with the Erocoupe, a light airplane, equipped with six 25lb thrust solid propellant jet units. since that time liquid propellant jet units delivery 1000lb thrust for 25 seconds were developed by the project. The Air Forces material Center chose the A-20A airplane, a service type aircraft, for demonstrating the practicality of installing two of the 1000lb thrust jet units for reducing the take off distance and improving the flight performance of the airplane.
The flight tests shown in this film furnished information on the following problems:
1. Effect of auxiliary Jet Propulsion on the reduction of take off run and distance to clear 50ft. obstacle with and without overload.
2. Effect of auxiliary Jet Propulsion on high speed at 5,000 and 10,000 ft. altitude.
3. Effect of jet thrust on stability and control.
4. Effect of blast from the jet units on parts of the airplane.
5. Reliability of the jet installation.
The Air Corps Jet Propulsion Research Project of the California Institute of Technology is located in Pasadena, CA. Research is directed toward the determination of the basic principles of liquid and solid propellant type jet units that are suitable for aircraft super performance applications. a staff of fifty scientists and technicians is employed.
Has a group shot by the test are, shots of the jet units

parts, test of liquid propellant.
After adaptions for the jet installations had been completed by the Air Forces Material Center at Wright Field, it was flown to the Lockheed Airport in Burbank, CA were the jet units were installed. The installation work was completed in 10 days.
Audience: JPL Resource Site: Various areas
Client: Blaine Baggett, Org. 1800
Master: HDCam Submaster: DVCPro50
Audio 1: Silent 2: Silent
04/19/1942 - 0:10:05 Producer: JPL Photo Lab

SRC-001340 -1/1 **Jason/OSTM El Nino Time Series - Jan. 1, 2006 to Apr. 16, 2010**
Sea-level height data from the NASA/European Ocean Surface Topography Mission / Jason 2 oceanography satellite. Data and animation by Akiko Hayashi of JPL.
Audience: Gen. JPL NASA Resource
Client: Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
04/27/2010 - 0:00:52 Producer: Kline

SRC-001344 -1/2 **Juno Interview of Scott Bolton**
Gay Yee Hill of Media Relations interviewed Juno Principal Investigator, Scott Bolton discussed the background of the Juno mission and the science.
Audience: Gen. JPL NASA Resource Site: TV Studio
Client: Preston Dyches
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
04/27/2010 - 0:32:00 Producer: Victor Mejia

SRC-001344 -2/2 **Juno Interview of Scott Bolton**
Gay Yee Hill of Media Relations interviewed Juno Principal Investigator, Scott Bolton
discussed the background of the Juno mission and
the science.
Audience: Gen. JPL NASA Resource Site: TV Studio
Client: Preston Dyches
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
04/27/2010 - 0:25:00 Producer: Victor Mejia

SRC-001353 -1/1 **"Asian-Pacific Heritage Month" featuring Fuk Li**
Fuk Li is the director of the Mars Exploration Directorate at NASA's Jet Propulsion Laboratory and the Mars Exploration

program manager for NASA.
Includes: Edited feature for NASA TV; raw interview and supporting b-roll.
Audience: Resource
Client: NASA TV
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/13/2010 - 0:06:45 Producer: Savona/Petrovich

SRC-001375 -1/1 **MSL cleared raw footage: Mars Science Laboratory Helicopter Field Test**

Raw footage highlights compilation of Mars Science Laboratory engineers testing the "skycrane" system in the California desert, using a helicopter and a mock rover model. The test is designed to verify the radar's ability to detect the ground while the rover is suspended. Features Steve Lee, Adam Steltzner and other Mars team members. Shot on: 5/12/2010 Camera: John Beck
Audience: Gen. Resource Site: NASA Dryden
Client: M. Viotti, Org. 1861
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/25/2010 - 0:17:02 Producer: Hulme

SRC-001376 -1/1 **MSL cleared raw footage: MSL radar system testing in Death Valley, CA**

Raw footage highlights compilation of Mars Science Laboratory engineers completing field testing of the spacecraft's radar system, through a series of measurements taken during early morning helicopter descents. Features Steve Lee, Jim Montgomery and other Mars team members. Shot on: 6/2/2010 Camera: John Beck
Audience: Gen. Resource Site: Death Valley
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/12/2010 - 0:27:59 Producer: Hulme

SRC-001404 -1/1 **MSL cleared raw footage: MSL mobility system installation in SAF**

Raw footage highlights compilation of Mars Science Laboratory engineers installing the mobility system on the Curiosity rover. Features Jaime Waydo, Peter Illsley and other Mars team members. Shot on: 6/22-24/2010 Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861

Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/07/2010 - 0:17:20 Producer: Hulme

SRC-001405 -1/1 **MSL cleared raw footage: MSL wheel motion testing in SAF**
Raw footage highlights compilation of Mars Science Laboratory engineers testing Curiosity in JPL's Spacecraft Assembly Facility. Includes steering tests and the first drive of all six wheels. Features Jaime Waydo, John Wirth and other Mars team members, along with JPL upper management, including Charles Elachi, Fuk Li and Firouz Naderi. Shot on: 7/9/2010. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/07/2010 - 0:13:48 Producer: Hulme

SRC-001406 -1/1 **MSL cleared raw footage: MSL rover mast installation in SAF.**
Raw footage highlights compilation of Mars Science Laboratory engineers installing Curiosity's remote sensing mast in JPL's Spacecraft Assembly Facility. Features Peter Illsley and other Mars team members. Shot on: 7/20/2010 Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/07/2010 - 0:08:49 Producer: Hulme

SRC-001407 -1/1 **MSL cleared raw footage: Curiosity's first driving tests in SAF**
Raw footage highlights compilation of Mars Science Laboratory engineers testing the Curiosity rover in JPL's Spacecraft Assembly Facility. The team lifts the rover into position on the driving surface, and commands the historic first drives of the flight vehicle. Features Peter Illsley, Jaime Waydo, Chris Voorhees and other Mars team members. Shot on: 7/23/2010 Camera: John Beck, Scott Hulme and Bill Langley
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/07/2010 - 0:29:47 Producer: Hulme

SRC-001409 -1/2 **MSL cleared raw footage: Curiosity's ramp driving tests in SAF-RT**

This is Dupe Master right side copy of Stereo HD footage for Eric DeJong
Audience: Resource Site: SAF
Client: Eric DeJong
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono Mix 2: Mono mix
09/10/2010 - 0:32:00 Producer: Mejia/Borst

SRC-001409 -2/2 **MSL cleared raw footage: Curiosity's ramp driving tests in SAF-RT**
This is Dupe Master right side copy of Stereo HD footage for Eric DeJong
Audience: Resource Site: SAF
Client: Eric DeJong
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mEric 2: Mono mix
09/10/2010 - 0:17:00 Producer: Mejia/Borst

SRC-001410 -1/1 **MSL "Curiosity Rover" Media Day B-roll Release 1 (DO NOT USE)**
DO NOT USE THIS VERSION, REFER TO SRC-001499 FOR LATEST VERSION
Audience: Resource
Client: McGregor/Webster
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
720p QuickTime Available in Contents Folder of DVD
09/16/2010 - 0:15:32 Producer: Savona/Mejia

SRC-001421 -1/1 **"Hispanic Heritage Month" featuring Thomas Valdez**
Thomas Valdez is a research engineer at the Jet Propulsion Laboratory (JPL), Pasadena, CA. His current task is in conducting research for the development of fuel cell and electrolyzers.
Includes: Edited feature for NASA TV; supporting b-roll and raw interview.
Audience: Resource
Client: NASA HQ/Crenshaw
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/04/2010 - 0:04:49 Producer: Savona/Petrovich

SRC-001439 -1/1 **MSL cleared raw footage: Curiosity robotic arm integration & testing**
Raw footage highlights compilation of Mars Science Laboratory engineers installing Curiosity's robotic arm in JPL's Spacecraft Assembly Facility. Several days later engineers send the rover a series of commands to test various arm movements. Shot on 8/18 & 8/30/10. Camera: John

Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/03/2010 - 0:23:30 Producer: S. Hulme

SRC-001440 -1/1 **MSL cleared raw footage: Curiosity robotic arm tests on tilt platform**
Raw footage highlights compilation of Mars Science Laboratory engineers in JPL's Spacecraft Assembly Facility. Team lifts Curiosity rover onto platform, tilts it to 20 degrees, then sends rover a series of commands to test various arm movements. Shot on 9/1-2/10. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/03/2010 - 0:30:17 Producer: S. Hulme

SRC-001441 -1/1 **MSL cleared raw footage: Curiosity driving on offset ramps in SAF**
Raw footage highlights compilation of Mars Science Laboratory engineers in JPL's Spacecraft Assembly Facility. Team looks on as Curiosity rover completes a turn-in-place, then drives over a pair of offset ramps for the first time. Features Jaime Waydo, Peter Illsley, John Wirth and other Mars team members. Shot on 9/10/10. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/03/2010 - 0:17:43 Producer: S. Hulme

SRC-001442 -1/1 **MSL cleared raw footage: Curiosity rover centrifuge test in Saugus, CA**
Raw footage highlights compilation of Mars Science Laboratory engineers as they take the dynamic test model of Curiosity for centrifuge testing at National Technical Systems in Saugus, CA. The test simulates the g-forces of entry, descent and landing at Mars. Features Savannah McCoy and other team members. Shot on 10/7/10. Camera: John Beck
Audience: Gen. Resource Site: NTS-Saugus,CA
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/03/2010 - 0:42:42 Producer: S. Hulme

SRC-001443 -1/1 **MSL cleared raw footage: Cruise stage & backshell spin testing in SAF**

Raw footage highlights compilation of Mars Science Laboratory engineers in JPL's Spacecraft Assembly Facility, conducting spin tests on the MSL cruise stage and backshell. The tests allow engineers to measure various mass properties of the different components. Features Dan Coatta, Nathaniel Thompson and other Mars team members. Shot on 9/30 & 10/14/10. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/03/2010 - 0:10:43 Producer: S. Hulme

SRC-001465 -1/1 **MSL cleared raw footage: Curiosity camera alignment & component mating**

Raw footage highlights compilation of Mars Science Laboratory engineers in JPL's Spacecraft Assembly Facility, aligning rover cameras and mating spacecraft components together (backshell to heat shield, and descent stage to rover). Shot on 12/7 & 12/12/10. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/17/2011 - 0:07:41 Producer: S. Hulme

SRC-001466 -1/1 **MSL cleared raw footage: Curiosity sample collection & delivery test**

Raw footage highlights compilation of Mars Science Laboratory engineers in JPL's In-Situ Instrument Laboratory, completing the first end-to-end test of Curiosity's rock drilling, sample acquisition and sample delivery process. Shot on 12/16/10. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/17/2011 - 0:26:31 Producer: S. Hulme

SRC-001467 -1/1 **MSL cleared raw footage: Installing SAM instrument on Curiosity**

Raw footage highlights compilation of Mars Science Laboratory engineers in JPL's Spacecraft Assembly Facility, installing the SAM (Sample Analysis at Mars) instrument on the Curiosity rover. Shot on 1/6/2011. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProLP

Audio 1: Mono mix 2: Mono mix
02/17/2011 - 0:16:46 Producer: S. Hulme

SRC-001497 -1/1 **MSL cleared raw footage: Full-motion drop test in Bldg. 233**
Raw footage highlights compilation of Mars Science Laboratory engineers in Bldg 233 at JPL testing the MSL descent system by lowering the DTM rover from the descent stage. Features Savannah McCoy, John Gallon and other Mars team members. Shot on 1/3 & 1/10/11. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/31/2011 - 0:22:16 Producer: S. Hulme

SRC-001498 -1/1 **MSL cleared raw footage: DTM rover driving in Mars Yard, 3-min version**
Raw footage highlights compilation of Mars Science Laboratory engineers driving the Dynamic Test Model of the Curiosity rover in JPL's Mars Yard. Team members command a series of rover drives over various terrain, slopes and obstacles. Shot between 3/10 & 3/16/11. Camera: Scott Hulme
Audience: Gen. News Resource Site: JPL
Client: Elena Mejia
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/01/2011 - 0:03:00 Producer: S. Hulme

SRC-001499 -1/1 **MSL "Curiosity Rover" Media Day B-roll Release 2**
Rover moved to the launch pad; Ashwin Vasavada interview excerpts and Allen Chen interview excerpts
Audience: Resource
Client: McGregor/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Also Available on DVD (Updated on 11/16/11)
11/16/2011 - 0:25:45 Producer: Savona/Mejia

SRC-001505 -1/1 **MSL cleared raw footage: DTM rover touchdown testing in Bldg. 280**
Raw footage highlights compilation of Mars Science Laboratory engineers testing the Dynamic Test Model of the Curiosity rover. The rover is hoisted with a winch, then lowered onto a tilted platform covered with various surface features. Shot between 2/9 & 2/22/11. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861

Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/13/2011 - 0:38:10 Producer: S. Hulme

SRC-001507 -1/1 **MSL cleared raw footage: DTM rover drive tests (sloped bedrock & soil)**

Raw footage highlights compilation of Mars Science Laboratory engineers driving the Dynamic Test Model of them Curiosity rover in the Mars Yard. Rover drives on simulated bedrock and cohesive soil at slopes of 10 to 20 degrees. Features Savannah McCoy, Jaret Matthews and other Mars team members. Shot between 3/8 & 3/14/11. Camera: John Beck & Scott Hulme
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/18/2011 - 0:21:13 Producer: Hulme

SRC-001508 -1/1 **MSL cleared raw footage: DTM & Scarecrow rover drive tests (obstacles)**

Raw footage highlights compilation of Mars Science Laboratory engineers driving the Dynamic Test Model and "Scarecrow" versions of the Curiosity rover in JPL's Mars Yard. Team members command a series of rover drives over various obstacles: flat concrete blocks, natural rocks, and a simulated rock field on sloped soil. Features Savannah McCoy, Matt Heverly and other Mars team members. Shot between 3/11 & 3/15/11. Camera: Scott Hulme
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/18/2011 - 0:48:35 Producer: Hulme

SRC-001509 -1/1 **MSL cleared raw footage: DTM & Scarecrow rover drive tests (sand)**

Raw footage highlights compilation of Mars Science Laboratory engineers driving the Dynamic Test Model and "Scarecrow" versions of the Curiosity rover in JPL's Mars Yard. Team members command a series of rover drives in a sloped bed of soft sand. Features Savannah McCoy, Beth Jordan, Matt Heverly, Jaret Matthews, Don Bickler, Dan Fuller and other Mars team members. Shot between 3/11 & 3/17/11. Camera: Scott Hulme
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861

Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/18/2011 - 0:38:49 Producer: Hulme

SRC-001511 -1/1 **JUNO/Atlas V-Solar Array**
Unpack, Deploy and Testing footage from March 16-March 28, 2011
Audience: Resource
Client: NASA KSCTV
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/16/2011 - 0:21:05 Producer: Elena Mejia

SRC-001512 -1/1 **JUNO/Atlas V**
Arrival, Unpacking, Lift to work station and Rotation. From April 8-April 11, 2011.
Audience: Resource
Client: NASA KSCTV
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/08/2011 - 0:50:00 Producer: Elena Mejia

SRC-001513 -1/1 **MSL cleared raw footage: Curiosity rover enters thermal vacuum testing**
Raw footage highlights compilation of Mars Science Laboratory engineers moving the Curiosity rover into JPL's 25-Foot Space Simulator for thermal vacuum testing. Shot on 3/4/11. Tape concludes with additional b-roll of the facility, shot a few days earlier. Camera: John Beck
Audience: Gen. JPL Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/17/2011 - 0:22:57 Producer: Hulme

SRC-001532 -1/1 **MSL cleared raw footage: MSL cruise stage/aeroshell transport to KSC**
Raw footage highlights compilation of Mars Science Laboratory engineers transporting the spacecraft's cruise stage, backshell and heat shield from JPL to the Kennedy Space Center, aboard a C-17 transport plane. Shot between 5/10 and 5/13/2011. Camera: Bill Langley, Eric Tozzi & John Beck
Audience: Gen. JPL Resource Site:
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix

06/16/2011 - 0:59:35 Producer: Hulme

SRC-001539 -1/1 **Dawn Mission Animation Collection**
1. Trajectory; 2. Arriving at Vesta; 3. Flying above Vesta's surface; 4. Dawn's orbit patterns around Vesta; 5. Scanning Vesta's surface;
6. Leaving Vesta to go to Ceres; 7. Arriving at Ceres.
Audience: JPL NASA Resource
Client: JPL
Master: DVCProLP
Audio 1: Silent 2: Silent
07/25/2011 - 0:03:53 Producer: Howard

SRC-001540 -1/1 **Juno Mission Animation Compilation 02**
Begins with edited overview of Juno mission.
Each following segment has an explanatory slide at the top.
(Juno Collection 1, 2 & 3)
Audience: JPL NASA News Resource
Client: JPL
Master: DVCProLP
Audio 1: Silent 2: Silent
07/26/2011 - 0:44:25 Producer: Eric de Jong

SRC-001543 -1/1 **JUNO/Atlas V - Compiled #1**
April 4-11, 2011
JUNO arrival, unpacking, lift to workstand & rotation-Compiled #1
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/08/2011 - 0:51:00 Producer: NASA KSCTV

SRC-001544 -1/1 **JUNO/Atlas V - Compiled #2**
March 16-28, 2011 Solar Array unpacking, ddeploy & test-18:31 Min.
April 5, 2011 Solar Array Boom Wrap-12:00 Min.
April 26, 2011 JUNO processing & High Gain Antenna installation-10:37 Min.
May 1, 2011 WAVE Boom deployment test-13:26 Min.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/08/2011 - 0:54:00 Producer: NASA KSCTV

SRC-001545 -1/1 **JUNO/Atlas V - Compiled #3**
May 5, 2011 Centaur Stage arrival - 38:13 Min.
May 13, 2011 Solar Array #2 installation - 14:23 Min.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix K
05/13/2011 - 0:56:26 Producer: NASA KSCTV

SRC-001546 -1/1 **JUNO/Atlas V - Compiled #4**
May 19, 2011 Solar Array #2 deployment & lighting test, 12:02 Min.
May 21 & 23, 2011 Solar Array #2 w/Magnatometer mating, deployment & Lighting test activities, 23:02 Min.; May 24, 2011 1st Stage offload & move to ASOC, 14:17 Min.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/19/2011 - 0:55:00 Producer: NASA KSCTV

SRC-001552 -1/1 **JUNO/ATLAS V - HD Compiled #5**

June 13 -July 27, 2011
6/13/2011 25:53 Min. 1st Stage lift for mission
6/15/2011 9:24 Min. 1st Boster installed
7/18/2011 6:32 Min. spacecraft encapsulation
7/27/2011 6:53 Min. Fairing move to Pad
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix K
06/13/2011 - 0:58:16 Producer: NASA KSCTV

SRC-001559 -1/1 **JUNO/Atlas V - Compiled #6**
June 21 - July 25, 2011
6/27/2011 25:49 Juno moved to fueling building w/fuel preps
7/18/2011 3:50 Juno spin test
7/25/2011 13:12 Juno lift to transporter
6/21/2011 8:23 Solid Rocket Motor lift & mate
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/21/2011 - 0:51:56 Producer: NASA KSCTV

SRC-001560 -1/1 **JUNO/Atlas V Rollout w/2 Timelapes**
Day and Night time shots.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/04/2011 -18:21:00 Producer: NASA KSCTV

SRC-001563 -1/4 **JUNO/Atlas V Launch Program**
JUNO/Atlas V Launch Coverage at NASA-KSC, 9am EDT
Starts off with a video "Journey to
Jupiter-Mission Juno"; Launch Complex 41 at Cape
Canaveral Air Force Station, FL; Voice of George
Diller-NASA Lauunch Commentator;Rollout w/Scott
Bolton; Mission Control shots;Diller interviews Jan
Chodas-Juno Project Mgr., John Calvert-NASA Mission Mgr. and
Vernon Thorp-Program Mgr. United Launch Alliance(ULA)
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:54:32 Producer: NASA KSCTV

SRC-001563 -2/4 **JUNO/Atlas V Launch Program**
Camera shots of rocket; George Diller-NASA Launch Commentator interviews Scott Bolton-Juno Principal Investigator; Video Earth's Bridge to Space
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:55:22 Producer: NASA KSCTV

SRC-001563 -3/4 **JUNO/Atlas V Launch Program**
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:00:00 Producer: NASA KSCTV

SRC-001563 -4/4 **JUNO/Atlas V Launch Program**
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:00:00 Producer: NASA KSCTV

SRC-001565 -1/1 **GRAIL/Delta II Booster Arrival & Lift w/Timelapse**
Compilation #1
On the booster: ULA-United Launch Alliance, Grail and the NASA Logo.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/07/2011 - 0:56:16 Producer: NASA KSCTV

SRC-001566 -1/1 **GRAIL/Delta II- HD Compiled #2**
4/26/2011 - 24:09 Min., 1st set of SRM's attach to Delta II 5/10/2011 - 14:40 Min., 2nd Stage mate to 1st Stage; 6/15-18/2011 - 7:36 Min., Solar Array Deploy; 7/6/2011 - 3:02 Lori Garver tours GRAIL at Astrotech
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/26/2011 - 0:51:00 Producer: NASA KSCTV

SRC-001569 -1/1 **GRAIL/Delta II - Compiled #3**

5/20-21/2011, 34:34 Min., GRAIL offload & unpacking
7/28/2011, 7:49 Min., Solar Illumination test
8/18/2011, 12:08 Min., GRAIL move to Pad; lift and mate
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/18/2011 - 0:55:49 Producer: NASA KSCTV

SRC-001570 -1/1 **GRAIL/Delta II - HD Compiled #4 (7/30-8/23/2011)**
7/30/2011, 13:02 Min., GRAIL A & B lift to stand
8/9/2011, 5:03 Min., Weight lift test
8/10/2011, 16:43 Min., Lift to spacecraft Adapter Ring;
8/12/2011, 17:52 Min., Capsulate & lift into transporter;
8/23/2011, 9:02 Min., Fairing Installation
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1820
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/30/2011 - 1:03:20 Producer: NASA KSCTV

SRC-001571 -1/1 **MSL cleared raw footage: rover & descent stage transport to KSC**
Raw footage highlights compilation of Mars Science Laboratory engineers transporting the Curiosity rover and MSL descent stage from JPL to the Kennedy Space Center, aboard a C-17 transport plane. Shot between 6/22 - 6/23/2011. Camera: John Beck
Audience: Gen. JPL Resource Site:
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/31/2011 - 0:57:15 Producer: Hulme

SRC-001573 -1/1 **MSL cleared raw footage: MSL Field Test near Flagstaff, AZ**
Raw footage highlights compilation of Mars Science Laboratory engineers and scientistss conducting field experiments in the Arizona desert to simulate the activities of the Curiosity rover on Mars. Challenges arise when a dust devil takes out the team's camera setup. Compilation also includes footage of another experiment designed to simulate Curiosity's "ChemCam" instrument. Shot between 6/2 - 6/4/2011. Camera: John Beck
Audience: Gen. JPL Resource Site: Arizona
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix

09/08/2011 - 0:59:32 Producer: Hulme

SRC-001577 -1/1 **GRAIL/Delta II - Compiled #5**
9/8/2011 15:24 Min. Tower Rollback w/Timelapse
9/8/2011 6:45 Min. Launch Pad 17B Aerials
9/8/2011 1:30 Min. Twitter Activities
9/8/2011 4:08 Min. MDC and Hanger AE Activities
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/08/2011 - 0:29:00 Producer: NASA KSCTV

SRC-001578 -1/5 **GRAIL/Delta II Launch Coverage**
Moderated by George Diller, NASA Public Affairs Launch Complex 17B-Cape Canaveral Air Force Station, FL; Night shots; Mission control; GRAIL's Logo on rocket; Aerial shots; video showing the twin spacecraft; David Lehman, Proj. Mgr./JPL; Tim Dunn, NASA Launch Mgr.; Bruce Reid, Mission Mgr. of NASA's Launch Services Program; Shots of JPL's Randii Wessen with students; Astronaut Sally Ride; Weather maps.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/10/2011 - 1:03:40 Producer: NASA KSCTV

SRC-001578 -2/5 **GRAIL/Delta II Launch Coverage**
Various shots of rocket on Pad; George Diller, NASA Launch Commentator interviews Tim Dunn, NASA Launch Director on the status of what is happening; shot of the motor gimble check; weather radar; OPS Forecast; OPS Commit Criteria
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/10/2011 - 0:53:35 Producer: NASA KSCTV

SRC-001578 -3/5 **GRAIL/Delta II Launch Coverage**
Various shots of rocket on launch pad; weather report; radar maps and various shots of Mission Control.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix

09/10/2011 - 0:45:59 Producer: NASA KSCTV

SRC-001578 -4/5 **GRAIL/Delta II Launch Coverage**
Rocket on launch pad; polling; countdown; Lift-Off!; Sound of engines; animation of spacecraft-narrated by Steve Agig, Flight Commander; Shot of NASA's Telemetry Lab-Hangar AE, CCAFS; Launch Replays-KSCTV Truck #1; KSCTV Truck #; KSC DOAMS; Patrick DOAMS; UCS 23; Blockhouse PAO Camera; Field PAO Camera; PAD 17 A-PAO Camera; AE Pad Camera; Pad 17A Camera 1; George Diller, NASA Launch Commentator; Shows GRAIL A and getting ready for GRAIL B in the distance.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/10/2011 - 0:59:59 Producer: NASA KSCTV

SRC-001578 -5/5 **GRAIL/Delta II Launch Coverage (Gen. Tatini, Lehman, Zuber)**
GRAIL A & B in tandom; In the Mission Director Center-NASA Admin., Charles Bolden shakes hands & hugs with NASA, ULA and JPL Team members. Admin. Bolden gives awards to Tim Dunn-NASA Launch Dir., Dave Lehman-JPL's GRAIL Project Manager, Maria Zuber-PI/MIT and Kathy McCloghlin-ULA Launch Dir.; George Diller, NASA Launch Commander interviews Tim Dunn, NASA Launch Director; JPL Group in the Mission Director Center with Gen Tatini; shot of people on beach watching the launch.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/10/2011 - 0:20:00 Producer: NASA KSCTV

SRC-001579 -1/1 **GRAIL/Delta II Launch from Jetty Park, FL**
Shots from orbit of GRAIL & interior with launch director Tim Dunn and GRAIL team members. Shot of launch from the beach with a man fishing and birds flying in background. People surfing. Shots of people on the pier and beach watching the GRAIL Launch from afar.
Audience: Resource Site: Jetty Park, FL
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/10/2011 - 0:09:53 Producer: NASA KSCTV

SRC-001581 -1/1 **MSL cleared raw footage: Curiosity rover and MSL hardware at KSC**
Raw footage highlights compilation of Mars Science Laboratory engineers working on the Curiosity rover and associated spacecraft flight hardware in the cleanroom of the Payload Hazardous Servicing Facility (PHSF) at Kennedy Space Center (KSC). Shot on 8/4/2011. Camera: John Beck
Audience: Gen. JPL Resource Site: KSC
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/19/2011 - 0:09:25 Producer: Hulme

SRC-001585 -1/1 **MSL Atlas V**
RTG Arrival, fitcheck at PHSF; return to storage at KSC
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/14/2011 - 0:53:53 Producer: NASA KSCTV

SRC-001586 -1/1 **MSL Atlas V HD Compiled #4 (July 14 & 18, 2011) David Gruel**
July 14-July 18, 2011
7/14/2011 53:53 Min., MMRTG arrival & Fit Check at PHSF; return to storage at KSC.
7/18/2011 2:35 Min., David Gruel, MSL Processing Manager (JPL)
Audience: Resource
Client:
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/14/2011 - 0:57:23

SRC-001587 -1/1 **MSL Atlas V HD Compiled #5 (July 15-September 12, 2011)**
Hoist, rotate & wheel deploy-13:41; Mars Curiosity rover robotic arm stored for flight-4:58; Booster arrival & off load at Port Canaveral on board the ship Mariner then transport to ASOC-19:54; First stage transport to pad 41 and lift-9:00 ; First solid rocket motor lift & mate-7:23 Min.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/15/2011 - 0:56:18 Producer: NASA KSCTV

SRC-001588 -1/1 **MSL Atlas V HD Compiled #6 (September 20-23, 2011)**
Fairing arrival at PHSF-8:09 Min.; 4th Solid Rocket Motor lift and mate-6:22 Min.; MSL Centaur stage transport to Complex 41 lift with lift & mate-8:41 Min.; Backshell Integration over Descent Stage-22:58 Min.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/20/2011 - 0:46:47 Producer: NASA KSCTV

SRC-001590 -1/1 **MSL/Atlas V HD Compiled #7 (October 7-11, 2011)**
Fairing Half Rotation to Vertical, Second Half Rotation to Horizontal for Cleaning-13:14 Min., 10-6-11; Oct. 8, 2011 Mate Cruise Stage to SCARF then Oct. 10, 2011 Mate Backshell/Descent Stage Rover to the Cruise Stage-19:24 Min.; Mate Heatshield to Backshell-19:17 Min., 10/11/11
Audience: Resource Site: KSC
Client: Elena Majia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/07/2011 - 0:52:57 Producer: NASA KSCTV

SRC-001606 -1/1 **Juno/Atlas V Customer Flow (Scott Bolton)**
Unloading spacecraft and transport to Hanger at KSC; People in bunny suits working on spacecraft; Atlas v-Spacecraft Operations Center (ASOC); Rocket boosters arrival; Rollout-Scott Bolton; Polling before Launch; shots of Mission Control; LAUNCH; Status with visuals; different relays: VAB Roof, TV Van-1, UCS-3, OTV Camera 60, Rocket Camera, Patrick DOAMS, OTV Camera 1
Audience: Resource Site: NASA KSC
Client: Elena Mejia
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 1:01:00 Producer: NASA KSCTV

SRC-001607 -1/1 **MSL/Atlas V HD Compiled #9 Short Version (11/17/11 - 11/21/2011)**
11/17/2011 14:42 Min. MMRTG lift for Spacecraft install
11/21/2011 14:47 Min. Mars Science Lab, Kennedy Space Center Radiological Control
Audience: Resource Site: NASA KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix

11/17/2011 - 0:30:00 Producer: NASA KSCTV

SRC-001608 -1/1 **MSL/Atlas V HD Compiled #9 Long Version (11/17/2011 - 11/26/2011)**
11/17, 14:42 Min. MMRTG lift for Spacecraft install; 11/21, 14:47 Min. Mars Science Lab, KSC Radiological Control Center; 11/23, 2:05 Min. MSL LEGO Activities; 11/25, 5:40 Min., Rollout to Pad w/Timelapse; 11/26, 21:08 Min.
Prelaunch Events: Twitter Tent-Featured: Will.i.am/singer/songwriter
Audience: NASA Resource Site: NASA KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/17/2011 - 0:59:30 Producer: NASA KSCTV

SRC-001609 -1/1 **GRAIL/Delta II Customer Flow**
Delivery of spacecraft and transport to KSC Hangar; Lori Garver in a Bunny suit with others; Delta Rocket in place on launch Pad; Rocket boosters installation; shots of Mission Control; Readiness Polling; Countdown to Lift Off!; Steve Agid-Flight Commentator; NASA Tel;em etry Lab-Hanger AE; Bolden talking to group; Replays: KSCTV Truck #1, KSCTV Truck #2, KSC DOAMS, Patrick DOAMS, UCS 23, Blockhouse PAO Camera, Field PAO Camera, Pad 17-A PAO Camera, AE Pad Camera
Audience: Resource Site: NASA KSC
Client: Elena Mejia
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/10/2011 - 1:04:00 Producer: NASA KSCTV

SRC-001610 -1/1 **MSL/Atlas V HD Compiled #1 (5/11/2011 - 6/7/2011)**
5/11/2011, 28:15 Min. Aeroshell, Heat Shield & Cruise Stage C-17 arrival & offload.
6/7/2011, 12:31 Min. Solar Array attach to Cruise Stage with Ballast for Spin Test.
Audience: Resource Site: NASA KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/11/2011 - 0:42:29 Producer: NASA KSCTV

SRC-001611 -1/1 **MSL/Atlas V HD Compiled #2 (6/9/2011 - 6/15/2011)**
Aeroshell & Heat Shield pre-integration processing.
Audience: Resource Site: NASA KSC
Client: Elena Mejia, Org. 1870

Master: DVCProHD
Audio 1: Mono mix 2: Mono mix N
06/09/2011 - 0:41:30 Producer: NASA KSC

SRC-001612 -1/1 **MSL/Atlas V HD Compiled #3 (6/23/2011 - 07/06/2011) Lori Garver**
06/23/2011, 15:12 Min. Spacecraft arrival on C-17; 6/25/2011, 10:00 Min. Descent Stage unbagging; Mars Science Lab shipping container uncovered; 6/27/2011, 8:15 Min., Cruise Stage Spin Test; MSL lift & unbagging; 7/6/2011, 2:45 Min., Lori Garver Media Tour
Audience: Resource Site: NASA KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/23/2011 - 0:37:16 Producer: NASA KSCTV

SRC-001613 -1/1 **MSL/Atlas V HD Compiled #7 (10/07/2011 - 10/11/2011)**
10/7/2011, 13:14 Min., Fairing Half rotation to vertical, Second Half rotate to horizontal for cleaning; 10/8 & 10/2011, 19:34 Min., 10/8, Cruise Stage mate to SCARF; 10/10, Backshell/Descent; 10/11/2011, 19:17 Min., Heatshield mate to Backshell
Audience: Resource Site: NASA KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/07/2011 - 0:53:00 Producer: NASA KSCTV

SRC-001614 -1/1 **MSL/Atlas V HD Compiled #8 (11/02/2011 - 11/03/2011)**
11/2/2011, 28:43 Min., Fairing & Logo installation; 11/2/2011, 14:05 Min., Lift to Transport & mate; 11/3/2011, 10:53 Min., MSL moves to Pad 41 and lift & mate to the vehicle.
Audience: Resource Site: NASA KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/02/2011 - 0:54:20 Producer: NASA KSCTV

SRC-001615 -1/1 **MSL/Atlas V-MSL move from PHSF to Pad**
MSL move from the Payload Hazardous Servicing Facility to the Launch Pad.
Audience: Resource Site: NASA KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix

11/03/2011 - 0:31:28 Producer: NASA KSCTV

SRC-001627 -1/1 **MSL/ATLAS V HD Compiled #9 (11/17-26/2011)**
11/17/11- 14: Min., MMRTG lift for Spacecraft
install
11/21/11- 14:47 Min., MSL/KSC
Radiological Control Center
11/23/11- 2:05 Min., MSL LEGO Activities 11/25/11-5:40 Min.
Rollout to
Pad w/Timelapse
11/26/11-21:08 Min., Prelaunch Events: Twitter Tent
featuring will.i.am (Singer/songwriter).
Audience: NASA Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/17/2011 - 0:59:30 Producer: NASA KSCTV

SRC-001628 -1/1 **MSL/ATLAS V Launch Handout (Bolden, Casani, Theisinger)**
Animation of Curiosity-A Journey to Mars
Launch Complex 41-Cape Canaveral Air Force Station-FL
Video of ATLAS V as rolled out 8:02 am at pad by 8:40 am
Shot of NASA Dir-Charles Bolden and John Casani
Readiness Polling-NASA Launch Director/Mgr. Omar Buis
Shots of Mission Control
George Diller-NASA Launch Commentator interviews Richard
Brace, MSL, Chief Mission assurance. Discusses video
David Gruel-JPL Asembly Test & Launch Mgr. for MSL, gave a
tour of the cleanroom at KSC.
George Diller with Wanda Harding, NASA Mission Mgr.
Diller with Vern Thorp, NASA Mission Program Mgr. United
Launch alliance
Diller and Pete Theisinger, JPL MSL Project Mgr.
Weather Report and maps
LAUNCH and Re-plays
Diller and Omar Baez, NASA Launch Director discusses how the
launch looked.
Audience: NASA Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 1:01:00 Producer: NASA KSCTV

SRC-001631 -1/1 **MSL/Atlas V Customer Flow Video (Casani & Bolden)**
Delivery of MSL to KSC; Spin test; Putting into fairing;
David Gruel, JPL gives tour of KSC clean room and talks

about spacecraft;stacking of rocket boosters;Nice sunset shot of launch pad; rollout to pad; John Casani & Administrator Bolden; Launch; Seperation: Relays from camera locations.
Audience: Resource Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 0:41:00 Producer: NASA KSCTV

SRC-001633 -1/1 **MSL cleared raw footage: Spacecraft & fairing rollout from PHSF @ KSC**

Raw footage highlights compilation of Mars Science Laboratory engineers and Kennedy Space Center personnel transporting the spacecraft inside its protective fairing. The spacecraft leaves the cleanroom at KSC's Payload Hazardous Servicing Facility. Shot on 11/3/2011. Camera: John Beck
Audience: Resource Site: KSC
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/23/2012 - 0:08:51 Producer: Hulme

SRC-001634 -1/1 **MSL cleared raw footage: Atlas V rocket w/ MSL at VIF (plus rollout)**

Raw footage highlights compilation of the Atlas V rocket bearing Mars Science Laboratory in the Vertical Integration Facility (VIF) at Cape Canaveral. Compilation also includes rollout of the rocket and launch tower to the launch pad. Shot 11/23-25/2011. Camera: John Beck, Eric Tozzi
Audience: Resource Site: KSC
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/23/2012 - 0:12:38 Producer: Hulme

SRC-001635 -1/1 **MSL cleared raw footage: MSL launch activities and launch replays**

Raw footage highlights compilation of prepataions and launch activities for the Mars Science Laboratory mission. Includes, pre-launch prep in the Atlas Spaceflight Operation Center, friends and family launch viewing at the Banana Creek site, and NASA TV broadcast footage of launch including launch replays and spacecraft separation. Shot on 11/26/2011. Camera: John Beck / KSC TV production department.
Audience: Resource Site: KSC

Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/23/2012 - 0:46:12 Producer: Hulme

SRC-001637 -1/4 **Mars Science Laboratory (MSL)/ATLAS V Launch Program (Casani, Bolden)**

Curiosity-A Journey to Mars video; George Diller, NASA Commentator describes the mission & rocket; various shots of ATLAS V on launch pad; Sunset Shot; John Casani & NASA Admin. Bolden; Timelapse of Rollout; Polling; Mission Control; Richard Brace, MSL Chief Mission Assurance Mgr. discusses the video of the 2 deliveries of the spacecraft, Cruise Stage, Spin Test, Taking off covering, receiving inspection, putting together the spacecraft; David Gruel, JPL Asembly Test and Launch Manager gives a tour of KSC's Cleanroom and the process of putting MSL together for flight; Wanda Harding, NASA Mission Manager talks about a video that shows the transportation from an ocean vessile to the Cape and launch site, Rocket boosters being mounted, Stacking of the launch vehicle, the Centar at the Vertical Integration Facility (VIF); Vern Thorp, NASA ULA Program Manager discusses the flight of the ATLAS, were we are in the countdown and a video of Juno launch.
Audience: Resource Site: KSC
Client: Scott Hulme
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 0:56:13 Producer: NASA KSCTV

SRC-001637 -2/4 **Mars Science Laboratory (MSL)/ATLAS V Launch Program (Theisinger)**

Atlas on Pad; George Diller, NASA Commentator interviews Pete Theisinger, JPL MSL Project Mgr. discusses project, talks over a video on after launch, seperation, cruise and activities after MSL gets to Mars; LSP Launch Services Program Video-Earth's Bridge to Space; Shot of Mission Control area; Weather forecast
Audience: Resource Site: KSC
Client: Scott Hulme
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 0:51:33 Producer: NASA KSCTV

SRC-001637 -3/4 **Mars Science Laboratory (MSL)/ATLAS V Launch Program (LAUNCH/HUGS)**

Releasing hold at T-minus 4 Minutes; Upclose shot of Atlas V with ocean in background; Countdown and Launch; Voice of Rob Gagnon, MSL Flight Commentator after launch and explains flight; Shot of Telementy Lab-Hangar AE, CCAFS; Launch Replays: UCS 3 Tracker, VAB Roof, PAO Pad Camera, PAO VIF Camera, TV LIVE Truck #1, Hangar AE HD Camera at UCS 3, Patrick DOAMS, UCS 15 Tracker, OTV Camera 1,OTV Camera 60, KSC Press Site; Hugs & handshakes in the Control room. George Diller talks about they will be collecting telemetry data.
Audience: Resource Site: KSC
Client: Scott Hulme
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 0:59:02 Producer: NASA KSCTV

SRC-001637 -4/4 **Mars Science Laboratory (MSL)/ATLAS V Launch Program (Omar Baez)**

Opens with a Control Room shot as people shake hands. It is 50:50 Minutes into the flight of MSL. George Diller, NASA Commentator interviews Omar Baez, NASA Launch Director and he talks about how the countdown went and how the flight looked.
Audience: Resource Site: KSC
Client: Scott Hulme
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 0:04:05 Producer: NASA KSCTV

SRC-001640 -1/1 **MSL/ATLAS V Interview with David Gruel**

David Gruel, JPL's Assembly Test & Launch ons Mgr. introduces the flight vehicles: Stage, Aero Shell, Back Shell, Heat Shield, Decent Stage; What the Curiosity rover looks like including: Remote Science Mask, 6 wheels, Robotic and a total of 9 science instruments.
Audience: NASA Resource Site: KSC Clean Room
Client: Christopher Harris, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/18/1900 - 0:02:35 Producer: NASA KSCTV

SRC-001669 -1/1 **MSL cleared raw footage: Curiosity sample scoop & vibration test**

Raw footage highlights compilation of Mars Science Laboratory engineers using the Curiosity test rover to scoop and vibrate a sample from a layered test setup in JPL's In-Situ Instrument Laboratory (ISIL). Shot on 4/13/2012.
Camera: Eric Tozzi
Audience: Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2012 - 0:13:59 Producer: Hulme

SRC-001683 -1/1 **MSL "Curiosity Rover" Media Day B-roll Release 3a**
NOTE: Release 3 was missing some audio. Release 3a is identical to 3, except the missing audio has been restored. Release 3 no longer exists.
Audience: News Resource
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/25/2012 - 0:37:48 Producer: Savona/Kline

SRC-001686 -1/1 **MSL cleared raw footage: MSL ORT 10/11 - simulated EDL anomaly**
Raw footage compilation of Mars Science Laboratory engineers participating in Operational Readiness Test 10/11, a mission dress rehearsal which in this case simulated an anomalout landing event for the Curiosity rover. Features Keith Comeaux, Adam Steltzner, Allen Chen, Miguel San Martin, Fuk Li, Pete Theisinger, Charles Elachi, Jean-Lou Chameau, Richard Cook, Ben Cichy, Steve Collins, Joel Krajewski, Ann Devereaux, Tracy Neilsen, Luke Dubord and several other team members. Shot 5/17/2012. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/27/2012 - 0:28:15 Producer: Hulme

SRC-001687 -1/1 **MSL cleared raw footage: Scarecrow rover at Dumont Dunes (highlights)**
Raw footage compilation of engineers and scientists from the Mars Science Laboratory team using Curiosity's "Scarecrow" test rover to characterize driving performance in case of a landing in soft dunes on Mars. Features Adam Steltzner, Steve Lee, John Grotzinger, Ray Arvidson, Mike Malin, Matt Heverly, Jaret Matthews, and other Mars team members. Shot 5/9-10/2012.

Location: Dumont Dunes Off-Highway Vehicle Area, CA
Camera: John Beck
Audience: Gen. Resource Site: Dumont Dunes,
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/02/2012 - 0:10:00 Producer: Hulme

SRC-001688 -1/2 **MSL cleared raw footage: Scarecrow rover at Dumont Dunes (extended)**
Raw footage compilation of engineers and scientists from the Mars Science Laboratory team using Curiosity's "Scarecrow" test rover to characterize driving performance in case of a landing in soft dunes on Mars. Features Adam Steltzner, Steve Lee, John Grotzinger, Ray Arvidson, Mike Malin, Matt Heverly, Jaret Matthews, and other Mars team members.
Pt. 1 shot 5/9/2012
Location: Dumont Dunes Off-Highway Vehicle Area
Camera: John Beck
Audience: Gen. Resource Site: Dumont Dunes,
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/02/2012 - 0:48:15 Producer: Hulme

SRC-001688 -2/2 **MSL cleared raw footage: Scarecrow rover at Dumont Dunes (extended)**
Raw footage compilation of engineers and scientists from the Mars Science Laboratory team using Curiosity's "Scarecrow" test rover to characterize driving performance in soft dunes. Features Adam Steltzner, Devin Kipp, Chris White, John Grotzinger, Steve Lee, Mike Malin, Ron Sletten, Bernard Hallet, Scott Maxwell, and other Mars team members.
Pt. 2 shot 5/10/2012
Location: Dumont Dunes Off-Highway Vehicle Area
Camera: John Beck
Audience: Gen. Resource Site: Dumont Dunes,
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/02/2012 - 0:58:44 Producer: Hulme

SRC-001689 -1/1 **MSL cleared raw footage: Scarecrow rover drive tests near Tecopa, CA**
Raw footage compilation of engineers and scientists from the Mars Science Laboratory team using Curiosity's "Scarecrow" test rover to characterize driving performance, over rocky slopes near Tecopa, CA. Features Matt Heverly, Jaret Matthews, Dan Fuller, Ray Arvidson, Mike Malin, Bernard

Hallet, and other Mars team members.
Shot 5/11/2012. Camera: John Beck
Audience: Gen. Resource Site: Tecopa, CA
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/02/2012 - 0:45:12 Producer: Hulme

SRC-001698 -1/5 **MSL cleared raw footage: Death Valley field trip with John Grotzinger**
Mars Science Laboratory Project Scientist John Grotzinger leads a group of press on a field trip to Death Valley, to educate them on what Curiosity's surface mission will be like. Initial lecture takes place in Shoshone, CA, with field trips following in surrounding areas. Note: continuous-roll raw footage is designed to capture audio during camera position adjustments. Shot 4/30 - 5/1/2012. Camera: John Beck.
Audience: Gen. Resource Site: Death Valley,
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/20/2012 - 0:32:19 Producer: Beck

SRC-001698 -2/5 **MSL cleared raw footage: Death Valley field trip with John Grotzinger**
Mars Science Laboratory Project Scientist John Grotzinger leads a group of press on a field trip to Death Valley, to educate them on what Curiosity's surface mission will be like. Initial lecture takes place in Shoshone, CA, with field trips following in surrounding areas. Note: continuous-roll raw footage is designed to capture audio during camera position adjustments. Shot 4/30 - 5/1/2012. Camera: John Beck.
Audience: Gen. Resource Site: Death Valley,
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/20/2012 - 0:32:54 Producer: Beck

SRC-001698 -3/5 **MSL cleared raw footage: Death Valley field trip with John Grotzinger**
Mars Science Laboratory Project Scientist John Grotzinger leads a group of press on a field trip to Death Valley, to educate them on what Curiosity's surface mission will be like. Initial lecture takes place in Shoshone, CA, with field trips following in surrounding areas. Note: continuous-roll raw footage is designed to capture audio during camera position adjustments. Shot 4/30 - 5/1/2012.

Camera: John Beck.
Audience: Gen. Resource Site: Death Valley,
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/20/2012 - 0:32:59 Producer: Beck

SRC-001698 -4/5 **MSL cleared raw footage: Death Valley field trip with John Grotzinger**
Mars Science Laboratory Project Scientist John Grotzinger leads a group of press on a field trip to Death Valley, to educate them on what Curiosity's surface mission will be like. Initial lecture takes place in Shoshone, CA, with field trips following in surrounding areas. Note: continuous-roll raw footage is designed to capture audio during camera position adjustments. Shot 4/30 - 5/1/2012.
Camera: John Beck.
Audience: Gen. Resource Site: Death Valley,
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/20/2012 - 0:33:35 Producer: Beck

SRC-001698 -5/5 **MSL cleared raw footage: Death Valley field trip with John Grotzinger**
Mars Science Laboratory Project Scientist John Grotzinger leads a group of press on a field trip to Death Valley, to educate them on what Curiosity's surface mission will be like. Initial lecture takes place in Shoshone, CA, with field trips following in surrounding areas. Note: continuous-roll raw footage is designed to capture audio during camera position adjustments. Shot 4/30 - 5/1/2012.
Camera: John Beck.
Audience: Gen. Resource Site: Death Valley,
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/20/2012 - 0:33:40 Producer: Beck

SRC-001699 -1/1 **MSL cleared raw footage: Curiosity testbed rover drill test in ISIL**
Raw footage compilation of engineers and scientists from the Mars Science Laboratory team gathered in JPL's In-Situ Instrument Laboratory to test a sampling sequence they had designed as part of a Curiosity mission rehearsal. A test version of the Curiosity rover moves its mast and arm and drills into a rock. Also features close-ups of the MAHLI instrument. Features Chris Roumeliotis, Chris White, John Grotzinger, Bob Anderson, and other Mars team members. Shot

on 6/22/2012. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. JPL
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/20/2012 - 0:29:56 Producer: Hulme

SRC-001711 -1/1 **MSL cleared raw footage: MSL EDL team reacts to Curiosity's landing**
Raw footage compilation of Mars Science Laboratory Entry, Descent and Landing engineers on landing night. From the EDL War Room in Bldg 264, the team waits for signal from spacecraft and celebrates successful landing and first images. Features Steve Sell, Jody Davis, Richard Kornfeld, Steve Lee, Tom Rivellini, Devin Kipp, Lynn Craig, Chris Roumeliotis, Gregory Villar, and many other team members.
Shot 8/5/2012. Camera: Scott Hulme
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
For extended version, see SRC-001872
08/07/2012 - 0:13:10 Producer: Hulme

SRC-001714 -1/1 **Mars Science Laboratory Landing: Mission Control Roving Camera**
Bluray
Audience: JPL NASA News Resource
Client: McGregor
Master: DVD
Audio 1: Mono mix 2: Mono mix
08/05/2012 - 0:20:00 Producer: Beck

SRC-001807 -1/5 **MSL cleared raw footage: Parachute testing clips from "The Martians"**
Raw footage compilation of Mars Science Laboratory engineers testing the MSL parachute, mainly at NASA's Ames Research Center. Clips included are supporting material drawn from ep. 5 of the JPL production "The Martians" by John Beck. Test footage includes highlights from 2007-2009. First parachute drop test was performed in Boise, ID in 2007. Wind tunnel tests were performed at NASA's Ames Research Center.
Audience: Gen. Resource Site: NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/14/2012 - 0:28:38 Producer: Beck

SRC-001807 -2/5 **MSL cleared raw footage: Parachute testing clips from "The Martians"**
Raw footage compilation of Mars Science Laboratory engineers testing the MSL parachute, mainly at NASA's Ames Research Center. Clips included are supporting material drawn from ep. 5 of the JPL production "The Martians" by John Beck. Test footage includes highlights from 2007-2009.
Audience: Gen. Resource Site: NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/14/2012 - 0:28:16 Producer: Beck

SRC-001807 -3/5 **MSL cleared raw footage: Parachute testing clips from "The Martians"**
Raw footage compilation of Mars Science Laboratory engineers testing the MSL parachute, mainly at NASA's Ames Research Center. Clips included are supporting material drawn from ep. 5 of the JPL production "The Martians" by John Beck. Test footage includes highlights from 2007-2009.
Audience: Gen. Resource Site: NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/14/2012 - 0:31:01 Producer: Beck

SRC-001807 -4/5 **MSL cleared raw footage: Parachute testing clips from "The Martians"**
Raw footage compilation of Mars Science Laboratory engineers testing the MSL parachute, mainly at NASA's Ames Research Center. Clips included are supporting material drawn from ep. 5 of the JPL production "The Martians" by John Beck. Test footage includes highlights from 2007-2009.
Audience: Gen. Resource Site: NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/14/2012 - 0:30:31 Producer: Beck

SRC-001807 -5/5 **MSL cleared raw footage: Parachute testing clips from "The Martians"**
Raw footage compilation of Mars Science Laboratory engineers testing the MSL parachute, mainly at NASA's Ames Research Center. Clips included are supporting material drawn from ep. 5 of the JPL production "The Martians" by John Beck. Test footage includes highlights from 2007-2009.
Audience: Gen. Resource Site: NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix

09/14/2012 - 0:32:35 Producer: Beck

SRC-001872 -1/1 **MSL cleared raw footage: MSL EDL team reacts to Curiosity's landing**
Raw footage compilation of Mars Science Laboratory Entry, Descent and Landing engineers on landing night. From the EDL War Room in Bldg 264, the team waits for signal from spacecraft and celebrates successful landing and first images. Features Doug Adams, Chris White, Steve Sell, Jody Davis, Richard Kornfeld, Steve Lee, Tom Rivellini, Devin Kipp, Lynn Craig, Chris Roumeliotis, Aaron Stehura, Gregory Villar, Adam Steltzner, Miguel San Martin and many other team members. Shot 8/5/2012. Camera: Scott Hulme
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
For condensed version, see SRC-001711.
09/25/2012 - 0:50:25 Producer: Hulme

SRC-001873 -1/1 **MSL cleared raw footage: Sol 30 & 31 downlinks & science meetings**
Raw footage compilation of Curiosity surface operations from Sol 30 & 31. Data downlinks and science kickoff meetings focus on Mastcam and MAHLI (Mars Hand Lens Imager) images. Features Torsten Zorn, Aileen Yingst, Justin Maki, Colette Lohr, Jim Bell, Art Thompson, Keith Comeaux, Louise Jandura and other Mars team members. Shot 9/5-6/2012. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/25/2012 - 0:49:00 Producer: Tozzi

SRC-001875 -1/1 **MSL cleared raw footage: Sol 42 surface ops - rover planners meeting**
Raw footage compilation of Curiosity rover planners meeting on Sol 42 of the MSL surface mission. Team members discuss upcoming plans and challenges with getting 3D range data under certain lighting conditions. Features Brian Cooper, Paolo Bellutta, Frank Hartman, Jeng Yen, Joe Carsten and Vandi Tompkins. Shot 9/18/2012. Camera: John Beck
Audience: Gen. Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/25/2012 - 0:09:41 Producer: Hulme

SRC-002018 -1/1 `
MSL cleared raw footage: Sol 181 highlights (feat. mini-drill results)~
Raw footage compilation of Curiosity rover surface
operations from Sol 181. Includes data downlink, mini-drill
results, and a science group meeting. Team members are
excited to review images of the first drill hole on another
planet. Features Rob Manning, Torsten Zorn, Luther Beegle,
Bob Anderson, Avi Okon, Joel Hurowitz, Louise Jandura, Dan
Limonadi, Vandi Tompkins and other Mars team members. Shot
2/7/2013. Camera: John Beck
Audience: Gen. Resrc. Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/19/2013 - 0:39:36 Producer: Hulme

SRC-002019 -1/1 `
MSL cleared raw footage: Sol 183 highlights (feat. full drill results)~
Raw footage compilation of Curiosity rover surface
operations from Sol 183. Includes results from the first
full drilling effort from Curiosity. Team members review and
report on images and celebrate with new "Licensed to Drill"
t-shirts. Features Bob Anderson, Dan Limonadi, Scott
McCloskey, Louise Jandura, Avi Okon, Joel Hurowitz, Luther
Beegle, Torsten Zorn, Pauline Hwang, Vandi Tompkins and
other Mars team members. Shot 2/9/2013. Camera: John Beck
Audience: Gen. Resrc. Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/19/2013 - 0:24:54 Producer: Hulme

Productions and Video Files

AVC-1971-030-1/2 **Mars and the Mind of Man**
Intro: Gene Shoemaker - JPL
Writer: Ray Bradbury

Writer: Arthur C. Clarke
Bruce Murray, Mariner Team Member & CIT
Carl Sagan, Cornell Univ. & Mariner Team Member
Walter Sullivan, Science Editor - NY Times
Audience: Gen. JPL Site: Ramo Hall/CIT
Client: P.D. Neuhauser
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/12/1971 - 0:55:00 Producer: Steve Bridges

AVC-1971-030-2/2 **Mars and the Mind of Man**
Part 2
Audience: Gen. JPL Site: Ramo Hall/CIT
Client: P.D. Neuhauser
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/12/1971 - 0:25:00 Producer: Steve Bridges

AVC-1971-035-1/2 **Mariner '71 Press Conference (Mariner 9)**
Brad Houser
Audience: News
Client: P.D. Neuhauser
Master: 1" IVC Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
12/03/1971 - 1:00:00 Producer: Steve Bridges

AVC-1971-035-2/2 **Mariner '71 Press Conference (Mariner 9)**
Brad Houser
Audience: News
Client: P.D. Neuhauser
Master: 1" IVC Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
12/03/1971 - 0:32:00 Producer: Steve Bridges

AVC-1972-015-1/1 **MM '71 Status Report (Mariner 9)**
Participants - Ted Pounder, Tom Urebalovich, Norm Haynes,
Bob Steinbacher, Bruce Whitehead
Audience: News
Client: Gordon Smith
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
04/05/1972 - 0:27:00 Producer: Steve Bridges

AVC-1972-017-1/2 **Summary of Mariner 9 Science Results**
Robert Steinbacher, Brad Houser
Audience: News

Client: Brad Houser
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
04/20/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-017-2/2 **Summary of Mariner 9 Science Results**
Robert Steinbacher, Brad Houser
Audience: News
Client: Brad Houser
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
04/20/1972 - 0:40:00 Producer: Steve Bridges

AVC-1972-023-1/5 **Meet the Martian Investigators**
Mariner 9 pictures of Mars
By: Dr. Bruce Murray
Mariner 9 Scientific experiment results
Robert Steinbacher
Audience: News Site: von Kármán
Client: Gordon Wenger
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/17/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-023-2/5 **Meet the Martian Investigators**
Mariner 9 Scientific experiment results
Robert Steinbacher
Audience: News
Client: Gordon Wenger
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
05/17/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-023-2/5 **Meet the Martian Investigators (Cont.)**
Mariner 9 Scientific Experiment Results
Robert Steinbacher
Audience: News
Client: Gordon Wenger
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
05/17/1972 - 0:08:00 Producer: Steve Bridges

AVC-1972-023-3/5 **Meet the Martian Investigators**
Mariner 9 pictures of Mars
By: Dr. Bruce Murray
Audience: News Site: von Kármán

Client: Gordon Wenger
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
05/17/1972 - 0:00:00 Producer: Steve Bridges

AVC-1972-023-3/5 **Mariner 9 TV Experiment Results**
Dr. Geoffrey Briggs
Audience: News
Client: Gordon Wenger
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
05/01/1972 - 0:48:00 Producer: Steve Bridges

AVC-1972-023-5/5 **Mariner 9 Pictures of Mars**
Dr. B. Murray Professor of Planetary Science CIT
Audience: News
Client: Gordon Wenger
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/01/1972 - 0:48:00 Producer: Steve Bridges

AVC-1972-026-1/2 **Mariner 9 Mars Mission Initial Scientific Results**
Robert Steinbacher
Audience: News
Client: Brad Houser
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
05/26/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-026-2/2 **Mariner 9 Mars Mission Initial Scientific Results**
Robert Steinbacher
Audience: News
Client: Brad Houser
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
05/26/1972 - 0:45:00 Producer: Steve Bridges

AVC-1972-027-1/3 **Mariner 9 News Briefing**
Science Results.
Robert Steinbacher, Project Scientist;
Dr. Charles Hord, Co-Investigator, UV Spectrometer, University of Colorado;
Dr. Rudolph Hanel, GSFC, Principal Investigator, IR Interferometer;
Dr. Ellis Minor, JPL CO-Investigator, IR Radiometer Spectrometer;
Dan Cain, JPL Co-Investigator, S-Band Occultation Experiment.
Audience: News Site: von Kármán Aud.
Client: Brad Houser
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/14/1972 - 1:01:00 Producer: Steve Bridges

AVC-1972-027-2/3 **Mariner 9 News Briefing**
Science Results and Spacecraft Condition discussed during the News Briefing
Dan L. Cain, Project Manager;
Jack Lorell, Team Leader, Celestial Mechanics;
Dr. Geoffrey Briggs, JPL Principal Investigator, TV experiment;
Harold Masursky, US Geological Survey, Team Leader.
Audience: News Site: von Kármán Aud.
Client: Brad Houser
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/14/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-027-3/3 **Mariner 9 News Briefing**
Science Results and Spacecraft Condition discussed during the News Briefing.
Robert Steinbacher, Project Scientist;
Dr. Charles Hord, Co-Investigator, UV Spectrometer, University of Colorado;
Dr. Rudolph Hanel, GSFC, Principal Investigator, IR Interferometer;
Dr. Ellis Minor, JPL CO-Investigator, IR Radiometer Spectrometer;
Dan L. Cain, Project Manager
Jack Lorell, Team Leader, Celestial Mechanics;
Dr. Geoffrey Briggs, JPL Principal Investigator, TV experiment;

Harold Masursky, US Geological Survey, Team Leader.
Audience: News Site: von Kármán Aud.
Client: Brad Houser
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/14/1972 - 0:36:00 Producer: Steve Bridges

AVC-1972-033-1/1 **Mariner 9 Explores Mars**
Robert Steinbacher explains the Mariner Mars '71 Mission.
Audience: Gen. Site: von Kármán Aud.
Client: Brad Houser
Master: 1"IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/01/1972 - 0:25:00 Producer: Steve Bridges

AVC-1972-045-1/2 **Linguistic Approach to the Analysis of Complex Systems**
A. Finerman
Audience: Gen. Tech.
Client: Professor Zade
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/12/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-045-2/2 **Linguistic Approach to the Analysis of Complex Systems**
A. Finerman
Audience: Gen. Tech.
Client: Professor Zade
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/12/1972 - 0:22:00 Producer: Steve Bridges

AVC-1972-048-1/2 **Mariner 9 Mission Status & Science Result Presentation**
Bob Steinbacher/Dr. Leoy
Audience: News
Client: B. Houser
Master: 1" IVC Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
10/23/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-048-2/2 **Mariner 9 Mission Status & Science Result Presentation**
H. Masursky
Audience: News
Client: B. Houser
Master: 1" IVC Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
10/23/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-052-1/2 **Management Problems of Large Programming Projects**
A. Finerman
Audience: Tech.
Client: A. Finerman
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
12/04/1972 - 1:00:00 Producer: Steve Bridges

AVC-1972-052-2/2 **Management Problems of Large Programming Projects**
A. Finerman
Audience: Tech.
Client: A. Finerman
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
12/04/1972 - 0:15:00 Producer: Steve Bridges

AVC-1973-017-1/3 **Pioneer 10 - Jupiter Encounter**
Part 1 - A. Sigmeth
Audience: News
Client: A. Sigmeth
Master: 1" IVC Submaster: M-II
Audio 1: Mono mix 2: Mono mix
07/27/1973 - 1:00:00 Producer: Steve Bridges

AVC-1973-017-2/3 **Pioneer 10 - Jupiter Encounter**
Part 2 - A. Sigmeth
Audience: News
Client: A. Sigmeth
Master: 1" IVC Submaster: M-II
Audio 1: Mono mix 2: Mono mix
07/27/1973 - 1:00:00 Producer: Steve Bridges

AVC-1973-017-3/3 **Pioneer 10 - Jupiter Encounter**
Part 3 - A. Sigmeth
Audience: News
Client: A. Sigmeth
Master: 1" IVC Submaster: M-II
Audio 1: Mono mix 2: Mono mix
07/27/1973 - 0:50:00 Producer: Steve Bridges

AVC-1974-001-1/2 **Pre-encounter News Conference - Mariner Venus Mercury**
MVM '73 PART 1
Audience: News
Client: G. Giberson
Master: 1" IVC

Audio 1: Mono mix 2: Mono mix
02/04/1974 - 1:00:00 Producer: Steve Bridges

AVC-1974-001-2/2 **Pre-encounter News Conference - Mariner Venus Mercury**
MVM '73 PART 2
Audience: News
Client: G. Giberson
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
02/04/1974 - 0:30:00 Producer: Steve Bridges

AVC-1974-002-1/1 **Mariner 10 News Briefing**
Mariner 10 Venus Briefing
Post encounter press briefing. The first briefing after the closest approach to Venus. Speakers:
Gene Giberson
Dr. Bruce Murry
Audience: News
Client: G. Giberson
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/04/1974 - 0:21:00 Producer: Steve Bridges

AVC-1974-003-1/2 **Mariner 10 Venus Quick Look Science Conference**
PART 1
Audience: News
Client: G. Giberson
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/05/1974 - 1:00:00 Producer: Steve Bridges

AVC-1974-003-2/2 **Mariner 10 Venus Quick Look Science Conference**
PART 2
Audience: News
Client: G. Giberson
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
02/07/1974 - 0:35:00 Producer: Steve Bridges

AVC-1974-005-1/2 **Pre-mercury Press Briefing**
PART 1
Audience: News
Client: G. Giberson
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
03/27/1974 - 1:00:00 Producer: Steve Bridges

AVC-1974-005-2/2 **Pre-mercury Press Briefing**
PART 2
Audience: News
Client: G. Giberson
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
03/27/1974 - 1:00:00 Producer: Steve Bridges

AVC-1974-006-1/3 **MVM '73 Press Conferences**
NOTE: This tape has all of the 3/29/74 press conference 18 min, and Part 1 of the 3/31/74 Science Briefing.
3/29/74 - 18 min. - G. Giberson
3/31/74 - 42 min. - G. Giberson
Audience: News
Client: Giberson
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
03/31/1974 - 1:00:00 Producer: Steve Bridges

AVC-1974-006-2/3 **MVM '73 Press Conference, Science Briefing**
PART 2
Audience: News
Client: G. Giberson
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
03/31/1974 - 1:00:00 Producer: Steve Bridges

AVC-1974-006-3/3 **MVM '73 Press Conference, Science Briefing**
PART 3
Audience: News
Client: G. Giberson
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
03/31/1974 - 0:18:00 Producer: Steve Bridges

AVC-1974-011-1/1 **The Flight of Mariner 10**
No description
Audience: Gen.
Client: Frank Colella
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/25/1974 - 0:10:00 Producer: Steve Bridges

AVC-1975-007-1/1 **Mariner 10 Stamp Dedication Ceremony**
By U.S. Postal Service

Audience: Gen. Site: JPL Mall
Client:
Master: 1" IVC Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
04/04/1975 - 0:50:00 Producer: Steve Bridges

AVC-1975-011-1/1 **President of Caltech's Announcement of Dr. Pickering's Replacement**
No description
Audience: Gen. News
Client: P. Neuhauser
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
06/20/1975 - 0:25:00 Producer: Steve Bridges

AVC-1975-015-1/1 **Viking A Launch from KSC**
Launch of Viking A (Viking 1) Mission to Mars. Launch at 29:30. Overview by Jim Martin Viking Proj. Man. and Gerald Soffen Viking Proj. Scientist. Coverage is from KSC until 59:30 when it cuts back to JPL Blue Room with Lou Kingsland Asst. Mission Dir. JPL and Dr. George Sands Assoc. Project Scientist Langley Res. Ctr.
Audience: Gen. News Resource Site: KSC
Client: F. Colella, Org. PIO
Master: 1"IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/20/1975 - 1:02:30 Producer: NASA/KSC

AVC-1975-015-1/1 **Viking A Launch**
From KSC
Audience: News Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/20/1975 - 1:00:00

AVC-1975-016-1/1 **Viking 1 Post Mid-course Press Conference**
From KSC
Audience: News Resource
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
08/27/1975 - 0:25:00

AVC-1975-017-1/1 **Viking B Launch from KSC**
Viking B Launch from KSC aboard Titan III
Launch at 29 min into tape

Audience: News Resource Site: KSC
Client: Collela
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/09/1975 - 1:00:00

AVC-1976-013-1/1 **Change of Command Ceremony**
Dr. Pickering/Dr. Murray
Audience: JPL Resource
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
03/31/1976 - 0:35:00 Producer: Steve Bridges

AVC-1976-014-1/1 **Director's Opening Remarks**
Dr. Bruce Murray
Audience: JPL
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
04/02/1976 - 0:45:00 Producer: Steve Bridges

AVC-1976-018-1/2 **Viking 1 Mars Orbit Insertion**
Blue Room updates with Dr. Al Hibbs of JPL and Dr. George Sands of Langley Research Center. Updates cover from before during and after MOI burn. Jim Martin Viking Proj. Manager does a short interview and an animation is shown towards the end.
Audience: Gen. News
Client: F. Colella
Master: 1" IVC Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/19/1976 - 0:54:44 Producer: Steve Bridges

AVC-1976-018-2/2 **Viking Mars Orbit Insertion**
Viking Blue Room:
Dr. Al Hibbs - JPL
Dr. George Sands, Langley Research Center
Tom Young, Mission Dir., Langley Research Center
Audience: News
Client: F. Colella
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/19/1976 - 0:50:00 Producer: Steve Bridges

AVC-1976-019-1/1 **Viking Press Conference**

Announcement of not landing on Mars July 4, with Martin and Masursky
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/27/1976 - 0:38:30 Producer: Steve Bridges

AVC-1976-023-1/1 **Viking Press Conference**
With Dr. Fletcher, J. Martin, Young Masursky
Audience: News
Client:
Master: DVCPro25 Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
07/01/1976 - 0:35:00 Producer: Steve Bridges

AVC-1976-025-1/3 **Viking Presentation at Beckman Aud/caltech**
Why Man Explores
Audience: Gen.
Client:
Master: 1" IVC Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
07/02/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-025-2/3 **Viking Presentation**
Why Man Explores
Audience: Gen.
Client:
Master: 1" IVC Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
07/02/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-025-3/3 **Viking Presentation**
Why Man Explores
Audience: Gen.
Client:
Master: 1" IVC Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
07/22/1976 - 0:45:00 Producer: Steve Bridges

AVC-1976-029-1/1 **Viking Press Conference**
With J. Martin
Audience: News
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix

07/07/1976 - 0:45:00 Producer: Steve Bridges

AVC-1976-032-1/6 **Viking Press Conference**
Early results from Viking Orbiter with Dr. Crofton B. Farmer JPL Team Leader Water Vapor Mapping; Dr. William Baum Lowell Univ. Orbiter Imaging; B. Gentry Lee Martin Marietta Corp. Science Analysis & Mission Planning Chief.
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/12/1976 - 0:44:00 Producer: Steve Bridges

AVC-1976-038-2/6 **Viking 1 Mars Landing Commentary (landing and start of 1st picture)**
Hosts: Dr. Al Hibbs, JPL; Dr. George Sands, LaRC
Guest: Dr. Thomas (Tim) A. Mutch, Brown University, Team Leader - Lander Imaging.
Includes Landing commentary with reaction cheers; views of mission control, von Kármán Aud., Lander test area; Start of first picture (B&W). Note, background screams of joy from crew (John Hicks).
Audience: News Resource Site: 230-Blue Rm
Client: PIO/Viking
Master: 1" IVC Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/20/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-038-3/6 **Viking 1 Mars Landing Commentary (First pix and Pres. Ford phone call)**
Commentary by Al Hibbs and Tim Mutch. (continued)
First picture, B&W, of the Plain of Chryse.
Phone call by President Ford to NASA Administrator Jim Fletcher and Viking Project Manager Jim Martin
Audience: News Resource Site: JPL-230
Client: PIO/Viking
Master: 1" IVC Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/20/1976 - 0:55:00 Producer: Steve Bridges

AVC-1976-038-4/6 **Viking 1 Mars Landing Commentary & Press Briefings**
Continued. Viking 1 Post Landing Press Briefing. Dr. James Fletcher NASA Admin.; Dr. Noel Hinners Assoc. Admin. Space Sciences NASA; Bob Cramer Dir. Of Planetary Sciences NASA; Dr. Donald Hearth Dir. Langley Res. Ctr. ; Jim Martin Viking Proj. Man. JPL; Tom Young Viking Mission Dir. Press Briefing continues on next tape.

Audience: News Resource Site: 230-Blue Rm
Client: PIO/Viking
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/20/1976 - 1:04:00 Producer: Steve Bridges

AVC-1976-038-5/6 **Viking Landing 1 Commentary (10:45 am News Briefing)**
Part 1 of 2 10:45 am News Briefing
Dr. Thomas A. Mutch, Brown U., Lander Imaging Team Leader
Dr. Alan Binder, Science Applicatons Inc.
Friedrich Huck, NASA LaRC
Dr. Elliott Levinthal, Stanford U.
Dr. Siney Liebes, Stanford U.
Dr. Elliot C. Morris, U.S.G.S
Dr. James Pollack, NASA Ames
Dr. Carl Sagan, Cornell U.
Dr. Gerald Soffen, LaRC, Viking Project Scientist
Audience: News Site: von Kármán Aud.
Client: PIO/Viking
Master: 1" IVC Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/20/1976 - 1:04:00 Producer: Steve Bridges

AVC-1976-038-6/6 **Viking Landing 1 Commentary (10:45 am News Briefing)**
Part 2 of 2
Audience: News Resource Site: von Kármán Aud.
Client: PIO/Viking
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/20/1976 - 0:09:30 Producer: Steve Bridges

AVC-1976-039-1/2

Viking News Briefing - 10:30 PM
Overview of Viking 1 Landing with Tom Young Langley Res. Center Viking Mission Dir. ; Dr. Alfred . Nier Univ. of Minn. Team Leader Entry Science; Alvin Sieff Ames Res. Center Entry Science; Dr. MIchael McElory Harvard Univ. Entry Science; Dr. William Hanson Univ. of Texas Entry Science.
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/20/1976 - 1:03:00 Producer: Steve Bridges

AVC-1976-039-2/2 **Viking News Briefing - 10:30 PM**

T. Young, A. Nier, A. Sieff, M. McElroy, W. Hanson 10:30 pm
PART 2 of 2
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/20/1976 - 0:44:30 Producer: Steve Bridges

AVC-1976-041-1/1 **Viking Television Broadcasts**
1 - PBS - The Robert MacNiel Report, 2 - NBC - Mars The First Look Roy Neal
Audience: News
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
07/22/1976 - 0:30:00

AVC-1976-042-1/2 **Viking 1 Blue Room Mission Commentary (First Color Picture)**
Commentary by Dr. Thomas (Tim) A. Mutch, Brown U. and Dr. Al Hibbs, JPL
Audience: News Resource Site: 230 Blue Rm.
Client: PIO/Viking
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/21/1976 - 1:02:00 Producer: Steve Bridges

AVC-1976-042-2/2 **Viking 1 Blue Room Mission Commentary (First Color Picture)**
Commentary by Dr. Thomas (Tim) A. Mutch, Brown U. and Dr. Al Hibbs, JPL.
Includes Q&A between the Blue Room (Tim Much) and reporters in von Kármán Auditorium Press Room.
Audience: News Resource Site: 230 Blue Rm.
Client: PIO/Viking
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/21/1976 - 0:46:50 Producer: Steve Bridges

AVC-1976-050-1/1 **Viking Blue Room Mission Commentary**

Continuing commentary with Dr. Al Hibbs with guest Ken Jones and Dr. James S Martin Jr. Viking Proj. Man. as they look over incoming pictures from the Lander. Includes 'Pin Picture'.
Audience: News Resource
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/25/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-051-1/1 **Viking 1 Press Conference**
Status Update With Dr. James S. Martin Jr. Langley Research Center Viking Proj. Man. 10:30 pm.
Audience: News Resource
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
07/25/1976 - 0:28:15 Producer: Steve Bridges

AVC-1976-054-1/2 **Viking 1 Press Conference**
Shaky Tracking CB 3/00
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/28/1976 - 1:03:00 Producer: Steve Bridges

AVC-1976-054-2/2 **Viking 1 Press Conference**
Initial results from Viking Lander with Dr. Gerald Soffen Viking Proj. Sci.; Dr. Carl Sagan Cornell Univ. Land Imaging; Dr. Tobias Owen SUNY Stony Brook Molecular Analysis; Dr. Michael McElroy Harvard Univ. Entry Science; Dr. Leslie OrgelSalk Inst. Molecular Analysis 10:00 am 2 OF 2
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/28/1976 - 0:15:00 Producer: Steve Bridges

AVC-1976-058-1/1 **Viking 1 Press Conference**
Tom Young, Langley Research Center, Mission Dir.
Dr. Harold Klein, AMES Research Center, Biology Team Leader
Dr. Seymour Hess, Florida State University, Team Leader, Meteorology

Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/01/1976 - 0:37:00 Producer: Steve Bridges

AVC-1976-060-1/1 **Viking 1 Press Conference - 1:30 pm**
Mission Status and early results of Biology experiments with:
Louis Kingsland, Jr, Viking Deputy Mission Director, Jet Propulsion Laboratory;
Dr. Harold Klein, Leader, Biology Investigation Team, Ames Research Center;
Dr. Norman Horowitz, Member, Biology Investigation Team, California Institute of Technology;
Dr. Gerald Soffen, Langley Research Center, Viking Project Scientist.
Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/03/1976 - 0:48:30 Producer: Steve Bridges

AVC-1976-067-1/2 **Viking Science Forum II**
With G. Soffen, K. Biemann, L. Orgel, J. Lederburg, H. Klien, H. Horowity 10:00 am
1 OF 2
Audience: News
Client:
Master: 1" IVC Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
08/10/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-067-2/0 **Viking Science Forum II**
10:00 am 2 OF 2
Audience: News
Client:
Master: 1" IVC Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
08/10/1976 - 0:20:00 Producer: Steve Bridges

AVC-1976-082-1/1 **Viking Press Conference**
9:30 am Blue Room Com.
Audience: News
Client:
Master: 1" IVC

Audio 1: Mono mix 2: Mono mix
09/03/1976 - 0:45:00 Producer: Steve Bridges

AVC-1976-083-1/4 **Viking 2 Landing**
Blue Room Commentary
Separation of Lander 3-4 hors before landing
Speakers: Dr. Al Hibbs, JPL; Dr. George Sands, Langley; Dr. Michael McElory, Harvard Entry Science; Dr. Seymour Hess, F.S.U Team Leader, Meteorology.
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/03/1976 - 1:03:50 Producer: Steve Bridges

AVC-1976-083-2/4 **Viking 2 Landing**
Blue Room Commentary
Pre-touchdown telephone question and answer session.
Speakers: Dr. Al Hibbs, JPL; James S. Martin, Langley Research Center, Viking Project Manager; Dr. George Sands; Dr. Richard Shorthill, Univ. of Utah, Team Leader, Physical Properties; B. Gentry Lee, Martin Marietta, Science Analysis & Mission Planning Chief
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/03/1976 - 1:03:30 Producer: Steve Bridges

AVC-1976-083-3/4 **Viking 2 Landing**
Speakers: Dr. Al Hibbs, JPL; Dr. George Sands; B. Gentry Lee; Dr. Robert Harcraves, Princeton University; James Martin; and Dr. Michael Carr, USGS Menlo Park, Team Leader Orbiter Imaging.
Audience: News
Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/03/1976 - 1:03:50 Producer: Steve Bridges

AVC-1976-083-4/4 **Viking 2 Landing**
Blue Room Commentary
Landing At 29:30
Speakers: Dr. Al Hibbs; Dr. George Sands; and Dr. James Martin
Audience: News

Client:
Master: 1" IVC Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/03/1976 - 0:44:00 Producer: Steve Bridges

AVC-1976-084-1/1 **Viking 2 Post Landing News Conference**
With J. Martin, T. Young, J. Naugle, N. Hinners, R. Kraemer, S. Hess, D. Hearth 9:30 am
Audience: News
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/03/1976 - 0:45:00 Producer: Steve Bridges

AVC-1976-085-1/2 **A Look at Mars: Retrospect and Prospect**
Viking Science Forum with
G. Soffen, Viking Project Scientist
C. Sagan, Lander Science Team
M. McElroy, Member Entry Science Team
T. Mutch, Leader, Lander Imaging Team
H. Klein, Biology Team Leader
S. Rasool, NASA Deputy Associate Administrator for Science
Intro by N. Panagokos. (starts with the 10:30 am status report by Jim Martin)
Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/04/1976 - 1:03:00 Producer: Steve Bridges

AVC-1976-085-2/2 **A Look at Mars: Retrospect and Prospect**
Part 2
Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/04/1976 - 0:17:45 Producer: Steve Bridges

AVC-1976-086-1/2 **Viking 2 First B&W Picture**
Blue Room Commentary. Part 1 of 2 1:00 am
Dr. Al Hibbs, JPL and Dr. Thomas Mutch, Brown Univ. Team Leader Lander Imaging.
Audience: News
Client:
Master: BCAMsp Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix

09/04/1976 - 1:03:30 Producer: Steve Bridges

AVC-1976-086-2/2 **Viking 2 First B&W Picture**
Blue Room Commentary. Part 2 of 2 1:00 am
Blue Room Commentary. Part 1 of 2 1:00 am
Dr. Al Hibbs, JPL and Dr. Thomas Mutch, Brown Univ. Team Leader Lander Imaging.
Audience: News
Client:
Master: BCAMsp Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
09/04/1976 - 0:33:42 Producer: Steve Bridges

AVC-1976-087-1/2 **Viking 2 First Color Picture (Preamble)**
Blue Room Commentary. Part 1 of 2
Audience: News
Client:
Master: 1"C Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
09/04/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-087-2/2 **Viking 2 First Color Picture**
Part 2 of 2
Audience: News
Client:
Master: 1"C Submaster: 1"IVC
Audio 1: Mono mix 2: Mono mix
09/04/1976 - 0:30:00 Producer: Steve Bridges

AVC-1976-089-1/1 **Viking News Conference - 12:40 pm, 9/4/76**
Moderated by Nicholos Panagakos
Spacecraft Status by Jim Martin
Panel: T. Mutch, H. Klein, J. Hubbard, G. Levin, K. Biemann
Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
Note: tape ends before finish of conference
09/04/1976 - 1:02:00 Producer: Steve Bridges

AVC-1976-098-1/1 **Viking Press Conference - 1:30 pm 9/17/76**
With Louis Kingsland-Deputy Mission Director, Dr. Harold P. Klien-Leader, Biology Investigation Team, Vance I. Oyama-Member, Biology Team, Dr Gilbert V. Levin-Member, Biology Team
Moderated by Maurice Parker

Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1976 - 0:50:00 Producer: Steve Bridges

AVC-1976-100-1/1 **Viking Press Conference**
With C. Leovy 1:30 pm
Audience: News
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/17/1976 - 0:15:00 Producer: Steve Bridges

AVC-1976-102-1/2 **Viking Press Conference**
Part 1 of 2 12:00 noon
Audience: News
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/22/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-102-2/2 **Viking Press Conference**
Part 2 of 2 12:00 noon
Audience: News
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/22/1976 - 0:40:00 Producer: Steve Bridges

AVC-1976-103-1/2 **Viking Mars Press Conference - 12:30 pm, 9/23/76**
Subjects: Biology; Phobos Imaging
Participants: Gerald Soffen, Project Scientist; Norman H. Horowitz, Biology; Vance I. Oyama, Biology; Gilbert V. Levin, Biology; Tom Duxbury, Orbiter Imaging Team.
Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/23/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-103-2/2
Viking Mars Press Conference - 12:30 pm, 9/23/76
Part 2 of 2
Audience: News Site: von Kármán Aud.
Client: Viking/PIO

Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/23/1976 - 0:05:00 Producer: Steve Bridges

AVC-1976-108-1/1 **Viking Press Conference - 12:00 noon, 9/27/76**
With Thomas Young
Audience: News
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/27/1976 - 0:45:00 Producer: Steve Bridges

AVC-1976-109-1/1 **Viking Press Conference - 12:30 pm, 9/30/76**
With L. Kingsland, K. Biemann, H. Moore.
Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/30/1976 - 0:55:00 Producer: Steve Bridges

AVC-1976-110-1/1 **Viking Press Conference - 12:30 pm, ?**
With K. Biemann, G. Soffen
Audience: News
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/01/1976 - 0:00:00 Producer: Steve Bridges

AVC-1976-111-1/2 **Viking Press Conference - 1:30 pm, 10/6/76**
With L. Kingsland Jr., P. Toulmin 111, Part 1 of 2
Audience: News
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/06/1976 - 0:30:00 Producer: Steve Bridges

AVC-1976-111-2/2 **Viking Press Conference - 1:30 pm, 10/6/76**
Part 2 of 2
Audience: News
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/06/1976 - 0:40:00 Producer: Steve Bridges

AVC-1976-112-1/1 **Viking Press Conference - 1:30 pm, 10/11/76**
With J. Martin, K. Biemann

Audience: News
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/11/1976 - 0:45:00 Producer: Steve Bridges

AVC-1976-113-1/2 **Viking Press Conference - 1:30 pm, 10/14/76**
With A. Thomas Young, H. Klein, N. Horowitz, P. Straat, M. Carr, D. Anderson.
Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
TRT 1:16:00
10/14/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-113-2/2 **Viking Press Conference - 1:30 pm, 10/14/76**
Part 2 of 2
Audience: News Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
TRT 1:16:00
10/14/1976 - 0:20:00 Producer: Steve Bridges

AVC-1976-113-3/1 **Viking Press Conference - 10/19/76**
T. Young, K. Biemann
Audience: Site: von Kármán Aud.
Client: Viking/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/19/1976 - 0:40:00 Producer: Steve Bridges

AVC-1976-114-1/1 **Viking Press Conference - 1:00 pm, 10/22/76**
No description
Audience:
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/22/1976 - 1:00:00 Producer: Steve Bridges

AVC-1976-116-1/1 **Interview with Gerald Soffen on Viking**
LOCATION: SCIENCE TEST LANDER
Audience: Resource
Client:
Master: 1" IVC

Audio 1: Mono mix 2: Mono mix
11/05/1976 - 0:15:00 Producer: Steve Bridges

AVC-1976-121-1/1 **Lament for a Red Planet KNBC News Report**
Song written and performed by newsman Jon Eberhart.
A Jon Eberhart, John Hicks Production
Audience: News Resource
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
10/01/1976 - 0:06:00 Producer: Steve Bridges

AVC-1977-023-1/1 **Mars Minus Myth**
(Color 16mm film to tape transfer 11/9/90)
Myths surrounding the planet Mars are stripped away by the detailed photographs sent back by the Mariner 4 & 9 and Viking 1 & 2 spacecraft. Shows historical images, drawings and the highlights of each mission. Narrated by Dr. Bruce Murray, member of the team of scientists of the Mariner 9 mission.
Audience: Gen.
Client:
Master: 1"IVC Submaster: 1"C
Audio 1: Mono mix 2: Mono mix JPL 965
06/01/1972 - 0:18:00 Producer: Churchill Films

AVC-1977-028-1/3 **The Viking Extended Mission and Anniversary Report**
Dr. Conway W. Snyder (JPL), - Viking Mission Project Scientist, and Dr. Thomas C. Duxbury (JPL), Orbiter Imaging Team Manager. PART 1 of 2
Comments: The mission was scheduled for termination in Nov.1978. The extended mission's objectives were to observed the seasonal changes and weather conditions on planet Mars.
Audience: News Site: von Kármán Aud
Client:

Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
Viking News update Nov. 7, 1977
11/03/1977 - 0:39:49 Producer: Steve Bridges

AVC-1977-028-2/3 **The Viking Extended Mission and Anniversary Report**
Dr. Kenneth L. Jones (Brown Univ.), Viking Lander Imaging Team Member, and Dr. Fred S. Brown (JPL), Viking Orbiter Imaging Team Member. Part 1 of 2.
Comments: The Cameras Objectives were: 1. Looking for life on Mars, 2. Looking for Organic Matter, 3 Conducting Biology Experiments with various changes in Martian gases. (These experiments were also used to determine life on Mars.)
Audience: News Site: von Kármán Aud
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: silent 2: Mono mix
11/03/1977 - 0:19:25 Producer: Steve Bridges

AVC-1977-028-3/3 **The Viking Extended Mission and Anniversary Report - Edited Version**
Dr. Conway W. Snyder (JPL), - Viking Mission Project Scientist, and Dr. Thomas C. Duxbury (JPL), Orbiter Imaging Team Manager. Dr. Kenneth L. Jones (Brown Univ.), Lander Imaging Team Member, and Dr. Fred S. Brown (TRW), Biology Team Member
Comments: On the primary mission, 10 experiments were scheduled. On the extended mission, only 8 were still working. Two were turned off.
Audience: News Site: von Kármán Aud
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
Viking Extended update Nov. 1977
11/03/1977 - 0:42:51 Producer: Steve Bridges

AVC-1977-029-1/2 **Voyager 1 Launch**
Mission commentary audio only from Kennedy Space Center (No launch video). Mission clock and a wood pointer on a timeline diagram showing spacecraft position.
Audience: News Resource
Client: Voyager Project/PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/05/1977 - 1:00:00 Producer: Steve Bridges

AVC-1977-029-2/2 **Voyager 1 Launch**
Part 2 of 2
Audience: News Resource
Client: Voyager Project/PIO
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
09/05/1977 - 0:31:09 Producer: Steve Bridges

AVC-1978-005-1/1 **LandSat Launch from Vandenberg AFB**
LandSat Launch aboard Delta Rocket at Vandenberg AFB. Launch is 40 min after start of tape.
After about 30 to 31 minutes into tape, audio and video are lost.
Narrated by Delta Control.
Audience: Gen. Resource Site: Vandenberg AFB
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/05/1978 - 1:00:00 Producer: Steve Bridges

AVC-1978-015-1/2 **Seasat-A Pre Launch Press Briefing**
Part 1 of 2. Speakers were, Dr. John Apel, NOAA Pacific Marine; Samuel Walt McCandless; SeaSat Program Manager; Dr. James Dune; JPL SeaSat Project Manager and Gene Giberson; SeaSat Program Manager.
Audience: News Resource
Client: F. Bristow
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
06/22/1978 - 1:02:00 Producer: Steve Bridges

AVC-1978-015-2/2 **Seasat-A Pre Launch Press Briefing**
Part 2 of 2.
Audience: News
Client: F. Bristow
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11 minutes with 4 overlap.
06/22/1978 - 0:11:04 Producer: Steve Bridges

AVC-1978-016-1/2 **Seasat A Launch**
Part 1 of 2. First 7 Minutes, no audio; remainder of the recording is Foreign Language formatted.
Audience: News Resource
Client: F. Bristow
Master: 3/4" Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
06/26/1978 - 0:10:00 Producer: Steve Bridges

AVC-1978-017-1/1 **Seasat A First Data**
Synthetic Aperture Radar (SAR) (Design to Monitor Ocean Wave Patterns from Orbit.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/07/1978 - 0:20:30 Producer: Steve Bridges

AVC-1978-024-1/3 **Marvin L. Goldberger's Inauguration as President of Caltech**
PART 1 OF 3.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
10/27/1978 - 1:00:00 Producer: Steve Bridges

AVC-1978-024-2/3 **Marvin L. Goldberger's Inauguration as President of Caltech**
PART 2 OF 3.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
10/27/1978 - 1:00:00 Producer: Steve Bridges

AVC-1978-024-3/3 **Marvin L. Goldberger's Inauguration as President of Caltech**
PART 3 OF 3.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
10/27/1978 - 0:30:00 Producer: Steve Bridges

AVC-1979-003-1/1 **Voyager Flight Team Science Briefing**
With Lonnie Lane - First Half FE-1 (Far Encounter)
Audience: News
Client: Jim Watkins
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/24/1979 - 0:28:00

AVC-1979-004-1/1 **Approach Images of Jupiter by Voyager**
Incoming images by Voyager on its approach to Jupiter.

Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: silent 2: silent
Video:Black and White
02/01/1979 - 1:00:00

AVC-1979-005-1/1 **Voyager Flight Team Science Briefing**
With Lonnie Lane - Second Half FE-1
Audience: Resource
Client: Jim Watkins
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/07/1979 - 0:11:00

AVC-1979-006-1/1 **Voyager, First Rotation Zoom Movie of Jupiter**
From Video Disk; Video Image is unstable at the beginning of Tape.
Audience: Resource
Client: Steve Bridges
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/07/1979 - 0:13:00

AVC-1979-007-1/1 **Jupiter Rotation Movie**
(hologram) Video Image is unstable.
Audience: Resource
Client: Steve Bridges
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/15/1979 - 0:02:00

AVC-1979-008-1/1 **Jupiter Zoom Movie**
Voyager-IPL Feed; Jupiter Zoom Sequence.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
02/16/1979 - 0:08:00

AVC-1979-009-1/1 **Voyager Flight Team Science Briefing**
With Lonnie Lane - First Half FE-2
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix

/ / - 0:33:30

AVC-1979-010-1/1 **KCET Channel 28, Jupiter Watch**
JPL Blue Room with Al Hibbs, Voice Voyager; (2/19/79, 2/20/79, 5 min. ea)
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/19/1979 - 0:10:00 Producer: WNET

AVC-1979-010-1/3 **KCET Channel 28, Jupiter Watch**
Intro Program on Voyager, with Kleat Roberts; Interview with Dr. Edward Stone, Project Scientist.
Audience: Resource Site: von Kármán Aud
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/18/1979 - 0:30:00

AVC-1979-010-2/3 **KCET, Channel 28, Jupiter Watch**
JPL Blue Room with Al Hibbs (2/21/79 -2/22/79 - 5 min. each)
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/21/1979 - 0:10:00

AVC-1979-010-3/3 **KCET, 28 Jupiter Watch**
JPL Blue Room with Al Hibbs
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/23/1979 - 0:28:00

AVC-1979-011-1/1 **Voyager Final Rotation and Zoom Movie**
PL feed Blue Movie (Includes close-up of Red Spot)
Audience: Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
02/01/1979 - 0:05:00

AVC-1979-012-1/1 **Voyager Flight Team and Science Briefing**
with DR. LONNE LANE - Second half - FE-2

Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/23/1979 - 0:43:00

AVC-1979-013-1/1 **Voyager Flight Team Science Briefing**
with DR. LONNE Lane, Near Encounter
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/26/1979 - 0:52:00

AVC-1979-014-1/1 **Blue Room Voyager Activity**
With DR. LONNE Lane, Near Encounter
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/26/1979 - 0:05:00

AVC-1979-015-1/1 **Blue Room Voyager 1 Jupiter Commentary**
Al Hibbs/11:45am 2/27/79, 11:45, 12:15pm, 2:50pm, w/Fred Scarf on Bow Shock, 4:00pm note: last two recorded by mistake of off preview bus, audio o.k.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/28/1979 - 0:21:00

AVC-1979-016-1/3 **Voyager I Jupiter Encounter Press Briefing**
9:00am: Frank Bristow, Manager PIO; Brad Smith, Imaging Team Leader; Dr. Ed Stone, Voyager Project Scientist; Robert Parks, Voyager Project Manager, Assistant Lab Dir; Part 1 of 3 note: Aired live, KCET
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/28/1979 - 1:02:07

AVC-1979-016-2/3 **Voyager I Jupiter Encounter Press Briefing**
Part 2 of 3
Audience: News Resource Site: von Kármán Aud.

Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/28/1979 - 1:00:00

AVC-1979-016-3/3 **Voyager I Jupiter Encounter Press Briefing**
Part 3 of 3, Press Briefing KCET; Panel Setting, Interview with Robert Parks and Charles Kohlhase
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/28/1979 - 0:44:24

AVC-1979-017-1/1 **Voyager I Press Briefing - Jupiter Encounter**
11:00 AM, Raymond L. Heacock, Deputy Project Manager; Dr. Edward Stone, Voyager Project Scientist; Lawrence Soderblom, Imaging Team; Fredick Scarf, TRW Principal Investigator, Plasma Wave; Dr. Brad Smith, Imaging Team Leader, Science Imaging; Norman Ness, Goddard Principal Magnetic Field.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/01/1979 - 1:00:00

AVC-1979-018-1/2 **Blue Room Voyager 1 Jupiter Commentary**
9:00am - Al Hibbs, 10:00 am-Al Hibbs, Dr. James Warwick, 12:00 - Al Hibbs, 4:00pm - Al Hibbs, Gary Hunt, 3/1/79 - 32 min., Al Hibbs, David Morrison, 3/2/79 - 30 min.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/01/1979 - 1:02:21

AVC-1979-018-2/2 **Jupiter Watch, KCET**
7:30 3/1/79 10:00 min., 3/2/79 - 10:00 min. with Al Hibbs, Voice of Voyager; conversing with Clete Roberts, KCET; Analyzing Real Time Pictures Coming in From Voyager Spacecraft.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/01/1979 - 0:20:24

AVC-1979-019-1/1 **Voyager I Jupiter Encounter Press Briefing - 11:00 AM**
Intro Speaker, Frank Bristow JPL PIO; Peter T. Lyman - Spacecraft, Deputy Project Manager; Dr. Edward C. Stone - Temperatures, Voyager Project Scientist; Laurence A. Soderblom - Satellites, Science Imaging; Herbert S. Bridge - Plasma,PI; S. M. Krimigis - Low-Energy Charged Particles,PI; Donald E. Shemansky - Ultraviolet Spectroscopy.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Mono mix
03/02/1979 - 1:00:00

AVC-1979-020-1/1 **Blue Room Voyager 1 Jupiter Commentary**
4:00 Al Hibbs, David Morrison Cont., 3/2/79, 9:00 am -Al Hibbs, 4:15 pm - Al Hibbs with model of trajectory 3/3/79
Audience: News Resource
Client:
Master: DVCPro25
Audio 1: Silent 2: Mono mix
03/02/1979 - 0:17:00

AVC-1979-021-1/2 **Voyager 1 Jupiter Encounter Press Briefing**
11:00 am - Introduction Speaker, Frank Bristow, Manager, JPL PIO; Panel Guests: Robert Parks, Asst. Lab Director for Flight Projects; Torrence Johnson, Imaging Team; Bradford Smith, Imaging Science, Team Leader.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/03/1979 - 1:00:00

AVC-1979-021-2/2 **Voyager 1 Jupiter Encounter Press Briefing**
Part 2 of 2. Panel - Dr. Ed Stone; Voyager Project Scientist; Robert Parks, Asst. Lab Director for Flight Projects; and Bradford Smith, Imaging Team, Team Leader.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/03/1979 - 0:14:00

AVC-1979-022-1/2 **Jupiter Watch, KCET Weekend Broadcasts**
Intro -Cleate Roberts,KCET Channel 28; Al Hibbs, Voice of

Voyager; Harold Masursky, Imaging Team; Lawrence Soderblom - Science Imaging, Jupiter's 5 sat., geological make-up, analysis of photos, 12:20pm. Live from JPL.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/03/1979 - 0:33:00

AVC-1979-022-2/2 **Jupiter Watch**
7:15pm - 8:30pm (Tape ends before program about 5 minutes 20 seconds) With Al Hibbs and Cleat Roberts.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/03/1979 - 1:00:00

AVC-1979-023-1/1 **Jupiter Watch, KCET Weekend Broadcast BlueRoom**
VOYAGER 1 JUPITER COMMENTARY, 7:00 am - Gary Hunt, Imaging Team; Stewart Collins, Imaging Team; Norman Ness, Imaging Team; Explanation on imaging processes, analysis of four stages of Red Spot, Magnetosphere, and experiment, Real-time photos, throughout.
Audience: News Resource
Client:
Master: 3/4" Submaster: BCAMsp
Audio 1: Silent 2: Mono mix
03/04/1979 - 1:00:00

AVC-1979-024-1/6 **Jupiter Watch - Voyager I Blue Room Commentary**
A.M. Continuation, 3/4/79 - Host Gary Hunt; Guest: Andy Collins, SI Imaging Team; Norman Ness, PI, Magnetic Field; discussed the wide angel lens on board Voyager and the Photopolarimeter.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/04/1979 - 1:01:24

AVC-1979-024-2/6 **Jupiter Watch - Voyager I Blue Room Commentary**
CONTINUED - (Start of satellite TV feed) Host Gary Hunt; Guest: Norman Ness - March 4, 1979.
Audience: News Resource Site: The Blue Room
Client:

Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/04/1979 - 1:01:36

AVC-1979-024-3/6 **Voyager I Jupiter Encounter Press Briefing**
R. Heacock, B. Smith, L. Soderblom, D. Morrison, G. Dexter, E. Stone
Audience: News Resource Site: von Kármán Aud.
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/04/1979 - 1:00:00

AVC-1979-024-4/6 **Voyager I Jupiter Encounter Press Briefing**
CONTINUED: Panel Setting - Q & A - Brad Smith, L. Soderblom, D. Morrison, E. Stone, G. Dexter, R. Heacock; Report by Gary Hunt, Imaging Team; Jupiter's Satellites real time pictures; Torrence Johnson, Imaging Team.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/04/1979 - 0:57:23

AVC-1979-024-5/6 **Blue Room Voyager 1 Jupiter Commentary**
No Guest 2:00 through 6:00pm every 15 min. Gary Hunt Reports - Later 3:00 Al Hibbs, Voice of Voyager Reports.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/04/1979 - 1:00:00

AVC-1979-024-6/6 **KCET Jupiter Watch**
Hibbs, Masursky, Johnson, Clete Roberts, 7:10 - 8:50 pm
Audience: News Resource
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
03/04/1979 - 0:00:00

AVC-1979-025-1/3 **Jupiter and the Mind of Man**
Cal Tech, Beckman Auditorium Symposium. Speakers: Carl Sagan, Astronomer; Ray Bradbury, Author; Bruce Murray, JPL Lab Director; Part 1 of 3. Tape stops before Murray concluded his segment.

Audience: Gen. Resource Site: Caltech Beckman
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
Discussion: Jupiter's Red Spot.
03/04/1979 - 0:24:30

AVC-1979-025-2/3 **Jupiter and the Mind of Man**
Part 2 of 3 Symposium; During Bruce Murray's talk about half way thru the transfer the video image is poor and no audio during this part of transfer. V & A resumes @ 16 minute mark.
Audience: Gen. Resource Site: Caltech Beckman
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/04/1979 - 1:01:00

AVC-1979-025-3/3 **Jupiter and the Mind of Man**
Part 3 of 3 Symposium
Audience: Gen. Resource Site: Caltech Beckman
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/04/1979 - 0:05:00

AVC-1979-026-1/4 **Blue Room Voyager 1 Jupiter Commentary**
AM- Hibbs, Hunt, Stone. PART 1 of 4 Discussed Images of Jupiter.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 1:01:46

AVC-1979-026-2/4 **Blue Room Voyager 1 Jupiter Commentary**
5:00 am - Hibbs, Smith, Collins, Stone, Soderblom. PART 2 of 4
Audience: News Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/05/1979 - 1:00:00

AVC-1979-026-3/4 **Blue Room Voyager 1 Jupiter Commentary**
6:00 am - Hunt, Soderblom, Hibbs, Masursky

Audience: News Resource
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
03/05/1979 - 1:00:00

AVC-1979-026-4/4 **Blue Room Voyager 1 Jupiter Commentary**
Al Hibbs, Voice of Voyager;
guests: Soderblom, Masursky, Lane;
Viewing and discussing Voyager Moon IO.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 0:54:34

AVC-1979-027-1/1 **Voyager 1 Jupiter Encounter Press Briefing**
8:00 am -Speakers: Noël Hinners, NASA; Bruce Murray, JPL Lab Director; Rodney Mills, Roberts Parks, Asst. Lab Director for Flight Projects; Dr. Edward Stone, Voyager Project Scientist; Nick Panagakos, NASA Public Affairs Office.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 0:31:44

AVC-1979-028-1/1 **Voyager I Jupiter Encounter Press Briefing**
11:00 AM, Speakers: Introduction; Frank Bristow, Manager JPL PIO; Raymond Heacock, Deputy Project Manager; Bradford Smith, Team Leader-Imaging Science, University Arizona; Lawrence Soderblom, Imaging Science, U.S. Geological Survey; Norman F. Ness, Principal Investigator, Magnetic Fields, Goddard SFC; Herbert S. Bridge, PI, Plasma Science, MIT; DR. Edward Stone, Voyager Project Scientist, Cal Tech.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 1:00:00

AVC-1979-029-1/1 **Blue Room Voyager 1 Jupiter Commentary**
2:00 pm - Gary Hunt, Lawrence Soderblom, Imaging Team; David Morris; Ganymede pix real - time)
Time runs out before last commentary is completed.
Audience: News Resource

Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 0:16:00

AVC-1979-030-1/3 **Blue Room Scripted Broadcast**
VOYAGER 1 JUPITER ENCOUNTER COMMENTARY, PM - Al Hibbs, Voice
of Voyager; guests: Gray Hunt,Science Imaging Team;
Discussed the Great Red Spot of Jupiter. Part 1 of 3.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 1:00:00

AVC-1979-030-2/3 **Blue Room Scripted Broadcast - Cont.**
PM -Al Hibbs, Voice of Voyager; Carl Sagan, Astronomer; Part 2 of 3.
Recorded Live: The Great Red Spot discussion continued.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 0:56:40

AVC-1979-030-3/3 **Blue Room Scripted Broadcast - Cont.**
M - Al Hibbs, Voice of Voyager; Harold Masursky, Imaging Team; Part 3 of 3.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 0:21:22

AVC-1979-031-1/1 **Jupiter Watch KCET, 28**
JPL, Blue Room, 7:30 pm; Introduction, Cleat Roberts;
Pictures of IO and Ganeymede.
BlueRoom- Al Hibbs speaks with Lawrence Soderblom, Imaging Team, Imaging Science U.S. Geological Survey; Torrence Johnson, Imaging Team.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/05/1979 - 0:10:39

AVC-1979-033-1/4 **Blue Room Voyager 1 Jupiter Commentary**
AM - Satellite Feed, "The Great Red Spot" and Jupiter's White Spot. Hibbs guests were Gary Hunt, SI, and Brad Smith, Imaging Team. Part 1 of 4.
Hunt discussed Io and Ganymede Satellites.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 0:58:55

AVC-1979-033-2/4 **Blue Room Voyager 1 Jupiter Commentary**
Part 2 of 4, AM - Satellite Feed; Al Hibbs, Voice of Voyager; Guests: Gary Hunt, SI; Harold Masursky, SI; Lawrence Johnson, SI; Dr. Ed Stone, Voyager Project Scientist.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 0:57:55

AVC-1979-033-3/4 **Blue Room Voyager 1 Jupiter Commentary**
Part 3 of 4, AM - Satellite Feed; Continued.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 1:02:36

AVC-1979-033-4/4 **Blue Room Voyager 1 Jupiter Commentary**
Part 4 of 4, AM - Satellite Feed, Concluding Segment.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 0:50:00

AVC-1979-034-1/2 **Voyager I Jupiter Encounter Press Briefing**
11:00 AM, Robert Parks, Bradford Smith, Lawrence Soderblom, Jim Warwick, Dr. Lyle Broadfoot, Dr. Ed Stone, Voyager Project Scientist.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25

Audio 1: Silent 2: Mono mix
03/06/1979 - 1:02:20

AVC-1979-034-2/2 **Voyager I Jupiter Encounter Press Briefing**
Part 2 of 2. Entire Voyager Panel; Dr. Ed Stone Summarized Jupiter's Encounter alone with Jim Warwick.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 0:36:52

AVC-1979-035-1/1 **Blue Room Voyager 1 Jupiter Commentary**
Commentary by Al Hibbs, Voice of Voyager; Guests: Charles Kohlhase, Voyager Mission Design Manager; Edward McKinley, Navigation Team Chief.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 1:02:00

AVC-1979-036-1/1 **Jupiter and the Mind of Man**
Edited - KCET aired version of Cal Tech Lecture Symposium. Ray Bradbury, Author; Carl Sagan, Astronomer, Professor at Cornell; Bruce Murray, JPL Lab Director.
Audience: News Resource Site: Caltech-Beckman
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 0:14:36

AVC-1979-037-1/1 **Jupiter Watch KCET, 28**
JPL, Blue Room w/Al Hibbs, 7:30 pm 3/6/79 - 5 min., Audio only 28 tonight - 28 min., Blue Room Voyager 1 Jupiter Commentary, Al Hibbs at 30:00 min. into tape. 9:30 am 3/7/79 - 4 min.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 0:34:24

AVC-1979-038-1/1 **Voyager I Jupiter Encounter Press Briefing**
11:00 AM. B. Smith, E. Danielson, T. Owen, L. Soderblom, V. Eshleman, E. Stone

Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/07/1979 - 1:00:00

AVC-1979-039-1/1 **Blue Room Voyager 1 Jupiter Commentary**
2:00 pm -Al Hibbs, Voice of Voyager; Tobias Owen, Imaging Team; Ed Danielson, Science Imaging; Explanation of Jupiter's rings also, match up of star prediction and star tracks actually seen in picture.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/07/1979 - 0:32:40

AVC-1979-040-1/1 **Jupiter Watch, KCET, 28**
7:30 pm - JPL isolated version feed. Hibbs wrap - up of Voyager 1 and Jupiter. With Al Hibbs and Tobias Owen, SI; subject, Jupiter's Rings.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/07/1979 - 0:30:25

AVC-1979-041-1/1 **Jupiter Watch KCET, 28**
PL, Blue Room w/Al Hibbs. 7:30 pm aired feed live, guest; Tobby Owen, Science Imaging.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/07/1979 - 0:32:00

AVC-1979-042-1/4 **Voyager I Jupiter Encounter Press Briefing - 10:00 AM**
Panel included: Robert Parks, Larry Soderblom, Andrew Ingersoll, Von R. Eshleman, Rudolf Hanel, Acuna,Dr. Lyle Broadfoot, Fredick Scarf, Herbert S. Bridge, Jim Warwick, Norman Ness, S.M. Krimigis, Vogt
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/08/1979 - 1:01:57

AVC-1979-042-2/4 **Voyager I Jupiter Encounter Press Briefing**
Part 2 of 4 - Continued: Bob Parks, Larry Soderblom, Andrew Ingersoll, Von R. Esheman, Rudolf Hanel, Acuna Lyle Broadfoot, Fred Scarf, Herbert Bridge, James Warwick, Norman Ness, S.M. Krimigis, Vogt
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/08/1979 - 1:02:45

AVC-1979-042-3/4 **Voyager I Jupiter Encounter Press Briefing**
Part 3 of 4
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
03/08/1979 - 0:00:00

AVC-1979-042-4/4 **Voyager I Jupiter Encounter Press Briefing**
Part 4 of 4. Panel remains the same.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/08/1979 - 0:16:45

AVC-1979-043-1/1 **Blue Room Voyager 1 Jupiter Commentary**
2:00 pm - Last one Al Hibbs/voice of Voyager, Final picture (ash tray).
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/08/1979 - 0:04:39

AVC-1979-045-1/1 **Blue Room Voyager 1 Jupiter Commentary**
11:45 am - Special IO Report, with Al Hibbs, voice of Voyager; Hal Masursky, Science Imaging.
Audience: JPL NASA News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/16/1979 - 0:29:25 Producer: Bridges

AVC-1979-050-1/1 **Voyager Mission Highlights**
Excerpts
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
03/29/1979 - 1:00:00

AVC-1979-059-1/5 **Voyager 1 Jupiter Rotation**
(CFI 2 QUAD TAPE) - Edited Master
Audience: Resource
Client:
Master: 3/4" Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
02/14/1979 - 0:00:45

AVC-1979-059-2/5 **Voyager 1 Jupiter Rotation**
Duplicate onto 3/4" Cassette. Time Coded still images on Jupiter Rotating.
Audience:
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Silent
02/14/1979 - 0:45:25

AVC-1979-059-3/5 **Voyager 1 Jupiter Rotation**
(CFI 2 QUAD TAPE) Protection Master
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
02/14/1979 - 0:00:45

AVC-1979-059-4/5 **Voyager 1 Jupiter Rotation**
(reel 1 odd sequence)
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
02/14/1979 - 0:00:00

AVC-1979-059-5/5 **Voyager 1 Jupiter Rotation**
(reel 2 even sequence)
Audience:
Client:
Master: 3/4" U

Audio 1: Mono mix 2: Mono mix
01/14/1979 - 0:00:00

AVC-1979-064-1/2 **Odysseys in Space**
Torrence Johnson, Imaging Team; Part 1 of 2.
Picture Quality is Superb.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
06/11/1979 - 1:01:45

AVC-1979-064-2/2 **Odysseys in Space**
Part 2 of 2. With Torrence Johnson, Imaging Team.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
06/11/1979 - 0:17:43

AVC-1979-065-1/1 **Voyager 2 Flight Team Science Briefing**
With Dr. Lonnie Lane Voyager 2 FE-2. Jupiter's Rotation period.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
06/22/1979 - 0:50:52

AVC-1979-066-1/3 **Voyager 2 Flight Team Science Briefing**
with Dr. Lonne Lane; Voyager 2 trajectory close approach to Jupiter and it's satellites.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/03/1979 - 0:37:25

AVC-1979-066-2/3 **Voyager 2 Flight Team Science Briefing**
Part 2 of 2
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/03/1979 - 0:12:23

AVC-1979-066-3/3 **Voyager 2 Flight Team Science Briefing**
Part 3 of 3 cont. with Lonne Lane.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/03/1979 - 1:00:00

AVC-1979-067-1/1 **Voyager 2 Jupiter Mission Reports**
8:00 - 8:05am - Al Hibbs | 9:00 - Guest 9:11am - Al Hibbs/Jim Sullivan | 9:50 - 10:42am, guest- Gray Hunt/Lonnie Lane, 10:40.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/05/1979 - 0:44:50

AVC-1979-068-1/1 **Voyager 2 Jupiter Mission Reports**
12:00 noon - 12:06 - Al Hibbs | 2:00pm - Al Hibbs | 4:00pm - Al Hibbs, voice of Voyager Magnetosphere Encounter of Jupiter.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/05/1979 - 0:21:45

AVC-1979-069-1/1 **Voyager 2 Jupiter Mission Reports**
8:00 - 8:04am - Al Hibbs, Voyager report update.
8:50 - 8:56am - Al Hibbs, Voyager report update.
Images of Jupiter's Satellites.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/05/1979 - 0:10:36 Producer: Bridges

AVC-1979-070-1/1 **KCET 28, Jupiter Watch II**
7/3/79, 7/4/79, 7/5/79, EYEWITNESS NEWS ABC, 7 w/Garry Hunt (live from JPL), JUPITER WATCH II - 7/9/79, closest approach, 7/10/79, 7/11/79,With Clete Roberts and Al Hibbs.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix

07/11/1979 - 1:01:18

AVC-1979-071-1/2 **Voyager II Press Briefing**
9:00 am -Ray Heacock, Voyager Project Manager; Brad Smith, Imaging Team Leader, University of Arizona; Dr. Ed Stone, Voyager Project Scientist, Caltech.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/06/1979 - 1:02:00

AVC-1979-071-2/2
Voyager II Press Briefing
Question and Answer Session, Part 2; Panel setting with Dr. Ed Stone discussing IO and the Bow Shock.
Gary Hunt, Imaging Team; join during this session.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/06/1979 - 0:48:04

AVC-1979-072-1/1 **Voyager 2 Mission Report**
First two reports with Al Hibbs, 11:55am - 1:30pm | Last three reports with Garry Hunt | 3:50pm - guest Lonnie Lane | 4:15pm, 5:15pm; 7-6-79.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/06/1979 - 0:38:50

AVC-1979-073-1/1 **Voyager 2 Jupiter Mission Reports**
8:00am - Al Hibbs - 9:00am - Al Hibbs/Voice of Voyager/ Fred Scarf, 9:55am - Hibbs/David Morrison, Science Imaging. Discussed the Great Red Spot and it's various coloration. Also discussed was the Bow Shock. At 10:00 there were images of Jupiter mosaic graphics.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/07/1979 - 0:31:00

AVC-1979-074-1/1 **Voyager 2 News Briefing**

11:00am -Frank Bristow, Introduction; E. Davis,Deputy Voyager Project Manager - Spacecraft; Lawrence Soderblom, Imaging Science - Satellites;
Dr. Ed Stone, Voyager Project Scientist; Science Status Report Voyager - Torus Aurora and High Pressure Compression.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/07/1979 - 0:40:51

AVC-1979-075-1/1 **Voyager 2 Jupiter Mission Reports**
11:55am - Hibbs/Soderblom (first 9 min. recorded in insert edit (bad)), 3:00pm - Hibbs/M. Davarian, 5:00pm - Hibbs/M. Davarian, 6:30pm - ABC 7, News from JPL w/Hunt, 6:50pm - Garry Hunt.
The first 9 minutes recorded in insert edit (bad recording)
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/07/1979 - 0:52:20

AVC-1979-076-1/1 **Voyager 2 News Briefing**
Jupiter's Red Spot, Speakers: R. Heacock, Brad Smith, Imaging Team; George Gloeckler, Low Energy Charge Particles; Ed Stone, Summary.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/08/1979 - 0:38:00

AVC-1979-077-1/1 **Voyager 2 Jupiter Mission Report**
12:00 noon - Hunt/Tobias Owen 1:15, 1:45pm - Hunt, Allan Cook (Lighting on dark side) 3:27 - 4:00pm -Hunt/Terrile
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/08/1979 - 0:39:10

AVC-1979-078-1/2 **Voyager 2 Jupiter Mission Reports**
Broadcast to Caltech - (beg late) 25 hours before closest approach to Ganymede | 9:00pm - Hibbs Juipter's color/Hunt, and Toby Owen Jupiter's make-up| 1:20pm, Gary Hunt,

Jupiter's Satellites; 1:45pm Hunt and Allen Cook, Imaging Team; Jupiter's lighting storms seen by Voyager; Hunt and Reta BeeBe, Imaging Team; 4:00pm/Hunt and Rich Terrile Jupiter's Changing Structure, Imaging Team; Part 1 of 2.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/08/1979 - 1:02:03

AVC-1979-078-2/2 **Voyager 2 Jupiter Mission Reports**
Continued Broadcast to Caltech - Hibbs/Hunt/Morrison, real time pix of Ganymede, and the Great Red Spot| Garry Hunt with short NBC feed toward end of tape. Part 2 of 2
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/08/1979 - 1:02:00

AVC-1979-079-1/1 **KCET, Michael Jackson Show**
(Microwave Link Problems) live from von Kármán. Panel guest: Bruce Murray, JPL Director; Carl Sagan, Astronomer, Cornell University.
Panel discussed space and it's relationship to human existence through Voyager. (Broadcast with Sign Language Interpreter)
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/08/1979 - 1:01:44

AVC-1979-080-1/3 **Voyager 2 IPL Feed - Blue Version/zoom**
Blue filter version of Jupiter rotation movie.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
10/29/1979 - 0:04:20

AVC-1979-080-3/3 **Voyager 2 Computer Animation Film Narrated by Al Hibbs**
Blue filter version of Jupiter rotation movie
Audience: News Resource
Client:
Master: 3/4"

Audio 1: Mono mix 2: Mono mix
10/01/1979 - 0:02:51

AVC-1979-081-1/4 **Voyager 2 Jupiter - Satellite Feed**
8:00am - Al Hibbs, Voice of Voyager; Guest: Larry Soderblom, Imaging Science U.S. Geological Survey; Brad Smith, Imaging Team Leader| Part 1 of 4.
Soderblom discussed Europa, Images from Voyager.
Smith discussed the Galilean Satellites.
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/09/1979 - 1:02:48

AVC-1979-081-2/4 **Voyager 2 Jupiter - Satellite Feed Cont.**
9:00am - Al Hibbs/Gary Hunt/Hal Masursky/Brad Smith/Ed Stone/Larry Soderblom| Part 2 of 4.
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/09/1979 - 1:02:14

AVC-1979-081-3/4 **Voyager 2 Jupiter - Satellite Feed Cont.**
10:00am, Part 3 of 4. W/Al Hibbs; Harrold Masursky; Gary Hunt; Dr. Ed Stone Summary.
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/09/1979 - 1:02:38

AVC-1979-081-4/4 **Voyager 2 Jupiter - Satellite Feed Cont.**
11:00am (LAST HALF OF TAPE LOST DURING BROADCAST) W/Hibbs; Hunt; and Ed Stone. Discussed Atmospheric Pressure. Stone summarizes Jupiter's Magnetosphere; Part 4 of 4.
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/09/1979 - 0:32:10

AVC-1979-082-1/1 **Voyager 2 Press Briefing**
R. Heacock, L. Soderblom, E. Stone

Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
07/09/1979 - 0:12:15

AVC-1979-084-1/1 **Voyager 2 Press Briefing**
4:30 pm - Thomas Mutch, Assistant Administrative for Space Science; Robert Parks, Assistant Lab Director for Flight Projects; Rodney Mills, NASA Headquarters, Voyager Program Manager.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/09/1979 - 0:23:17

AVC-1979-085-1/1 **Voyager 2 Mission Reports**
Hibbs - 5:00pm - first segment Io Volcano watch 5 min. | Hibbs w/Robert Strom, Science Imaging; - 5:45pm, - Second segment Io watch, 14 min w/Robert Strom, SC Imaging Team.
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: BCAMsp
Audio 1: Silent 2: Mono mix
07/09/1979 - 0:19:59

AVC-1979-086-1/1 **Voyager 2 Jupiter Mission Reports**
8:00 am - Al Hibbs | 9:00 am - Al Hibbs| Harold Masursky; 9:30 am - Al Hibbs - Io Volcano watch | 10:15 am - Al Hibbs | 12:50 pm - Al Hibbs | 2:30 pm - Al Hibbs (no audio)| 3:30 pm - Al Hibbs/Rudolf Hanel, Infrared Science
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/10/1979 - 1:00:17

AVC-1979-087-1/2 **Voyager 2 Press Briefing -7/10/79**
1:00 am Esker Davis, Voyager Deputy Project Manager; B. Smith, Imaging Team Leader; A. Ingersoll, Imaging Science, S.M. Krimigis, Low Energy Charge Particles Investigator; Jim Sullivan, Plasma Science; A. Lyle Broadfoot, Ultraviolet; Dr. Ed Stone, Voyager Project Scientist. Part 1 of 2.
Audience: News Resource Site: von Kármán Aud
Client:

Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/10/1979 - 1:00:39

AVC-1979-087-2/2 **Voyager 2 Press Briefing -7/10/79**
Question and Answer, Part 2 of 2 - Panel Same Participants Continued.
Audience: News Resource Site: von Kármán Aud
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/10/1979 - 0:33:19

AVC-1979-088-1/1 **Voyager 2 Jupiter Mission Report**
8:00 am - Al Hibbs (rings pix and Ganymede) | 9:00 am - Al Hibbs recap for press, read article about Skylab falling on people. | 7/11/79 - 15 min. 4:30pm - Continued Al Hibbs with Hal Masursky from day before 7/10/79 | 2:00pm - Hibbs - recap of rings information Hibbs plays audio trick on TV Crew
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/11/1979 - 0:35:00

AVC-1979-089-1/2 **Voyager 2 Jupiter Encounter Press Briefing**
12:00 pm (Wrap-up Science Report for Press) (Jupiter Ring Presentation.)Frank Bristow, Intro, Frank Bristow, quest: Ray Heacock Voyager Project Manager; Gary Hunt, Imaging Science; Larry Soderblom, Imaging Team; Brad Smith, Imaging Team Leader; Part 1 of 2. Discussed craters and surface structure of Saturn. Also Jupiter's Rings were discussed during the briefing.
Audience: News Resource Site: von Kármán Aud
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/11/1979 - 1:01:39

AVC-1979-089-2/2 **12:00 pm Update**
Al Hibbs with Lonne Lane -10:00 min. With Fred Scarf, Plasma Experiment-Jupiter's Magnetosphere,
7/5/79; S.M. Krimigis, Low Energy Charge Particles; Von R. Eshleman, Radio Science; Dr. Ed Stone, Project Scientist Summarizing Voyager Encounters. 7/11/79 Al Hibbs discussed

Jupiter's Rings with Lonnie Lane, Assistant Project Scientist; Wrap-up of Jupiter's Mission. Part 2 of 2.
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/11/1979 - 1:01:45

AVC-1979-090-1/1 **Voyager 2 Jupiter Mission Report**
3:50 pm Al Hibbs w/von Eshleman - 12 min. 7/11/79 | 8:00 am Al Hibbs (no audio) - 2 min. 7/12/79 | 9:00 am Al Hibbs - 2 min. | 12:00 noon Al Hibbs w/Garry Hunt - 17 min.
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/11/1979 - 0:40:15

AVC-1979-092-1/1 **Last KCET Jupiter Watch 2 W/Clete Roberts**
Al Hibbs, Ed Stone, and Garry Hunt (wrap-up), JPL credits at end (Jupiter rings at 21 min.)
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/12/1979 - 0:32:50

AVC-1979-098-1/1 **25th Anniversary Apollo 11 TV Specials**
Space Beyond Apollo, Infinite Horizons - Part 1 of 2
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/01/1979 - 1:02:58

AVC-1979-121-1/1 **NEWS BRIEFING - U.S. Dept. of Energy/Electronic Test Vehicle**
ETV-1 Electric Car. Panel: 6 Speakers followed by Q & A. Jeff Robelar, JPL Host; Gerald J. Walker, Program Manager of Project for DOE; Tom Barber, Project Manager of the Electric Hyper Vehicle; Finding solutions for Earth Base problems working on Solar Energy with the Dept. of Energy. Dr. James Lafferty, Manager Power Electronics Laboratory for General Electric Research and Development Center; James Bozyk, Engineering Supervisor for Chrysler Research Office Special Vehicle Programs; Conrad Weinlein, Manager Advanced Development Engineering Globle Battery Division of the

Globle Union Incorporated.
Audience: News Resource Site: Von Kármán Aud
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
10/09/1979 - 0:41:50

AVC-1980-001-1/1 **The Voyager Mission**
r. Edward Stone gives an overview of the upcoming Voyager Mission to Saturn and reviews Jupiter results.
Audience: Edu. News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/05/1980 - 0:37:35 Producer: Bridges

AVC-1980-003-1/1 **JPL TODAY (2nd Dry Run)**
Al Hibbs with guest John Beckman, Manager of Planetary Program Development at JPL; discussed the SEPS Mission.
Audience: Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/31/1980 - 0:14:05 Producer: JPL PAO

AVC-1980-005-1/5 **Profiles in Black**
Part 1 James King with guest Willis Meeks
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
02/19/1980 - 0:12:55

AVC-1980-005-2/5 **Profiles in Black**
Part 2 James King with guest Pat South
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
02/19/1980 - 0:08:16

AVC-1980-005-3/5 **Profiles in Black**
Part 3 James King with guest Dr. Jackie Jacobs
Audience:
Client:
Master: 3/4" U

Audio 1: Mono mix 2: Mono mix
02/19/1980 - 0:10:02

AVC-1980-005-4/5 **Profiles in Black**
Part 4 James King with guest Sanford Jones
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
02/19/1980 - 0:10:00

AVC-1980-005-5/5 **Profiles in Black**
Part 5 James King with guest James Allen
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
02/19/1980 - 0:09:20

AVC-1980-006-1/1 **JPL TODAY**
Live news show for JPL employees.
Al Hibbs with guest Gregor Edwards, and Pre-taped Congressman John Faqua, Chairman of House Committee on Science Technology; from the State of Florida.
Audience: JPL Site: Blue Room
Client: Bristow, Org. 181
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/20/1980 - 0:20:44 Producer: Bridges/Neuhauser

AVC-1980-007-1/1 **Viking Mission Summary**
Hosted by Conway Snider, Sinder summarized Viking's Mars Mission. February 22, 1980.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/22/1980 - 0:39:15

AVC-1980-009-1/1 **JPL Today**
Live news show for JPL employees.
Al Hibbs with guest Dr. James Westphal, Scientist of the Planetary Hubble Telescope; Caltech.
Audience: JPL Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25

Audio 1: Silent 2: Mono mix
03/06/1980 - 0:15:15 Producer: JPL PAO

AVC-1980-010-1/1 **Mars in 3D**
Film-to-tape transfer
Audience: Resource
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/10/1980 - 0:23:00

AVC-1980-012-1/1 **Voyager I Saturn Pictures**
Recorded and edited live.
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/20/1980 - 0:16:15

AVC-1980-014-1/1 **Presidential Goddard Award to Voyager Project**
President Jimmy Carter presented Dr. Frosh, Bruce Murray, Director, JPL; Dr. Edward Stone received award at the White House. March 24, 1980
Audience: News Site: US White House
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/24/1980 - 0:03:17

AVC-1980-034-1/3 **Viking Press Conference**
10:30am - Kermit Watkins, Viking Project Manager; Opening remarks, Dr. Conway Snyder, JPL Viking Project Scientist; Dr. James Tillman, University of Washington Meteorologist; Understanding the Atmosphere of Mars; Part 1 of 3.
Audience: News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
08/04/1980 - 0:17:25 Producer: Bridges

AVC-1980-034-2/3 **Viking Press Conference**
Harold Masursky; Future Landing Sites, Survey and Analysis; Q & A; Kermit S. Watkins, Dr. Conway W. Snyder, Dr. James E. Tillman, Dr. Michael Carr, John C. Beckman. Part 2 of 3. August 4, 1980.
Audience: News Site: Von Kármán Aud

Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
08/04/1980 - 0:62:25 Producer: Bridges

AVC-1980-034-3/3 **Viking Press Conference**
Q & A Part 3 of 3
Comments: Part 3 of 3 session is conducted in a query setting with previous speakers as panelists.
Audience: News Site: von Kármán Aud
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
08/04/1980 - 0:06:15 Producer: Bridges

AVC-1980-036-1/1 **Voyager Saturn Science Briefing**
"Overview & Observatory Load A501"- Ellis Miner.
November 12, 1980 - V2.
August 5, 1981 - V1.
Audience: JPL News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Mono mix
08/18/1980 - 0:52:00 Producer: Bridges

AVC-1980-037-1/1 **Voyager Saturn Science Briefing**
Observatory Load A502" - Jude Diner; Science Coordinator.
Audience: JPL News
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Mono mix
08/27/1980 - 0:20:29 Producer: Bridges

AVC-1980-040-1/1 **Voyager Saturn Science Briefing**
Observatory Loan A503"- Jude Diner; Last and Final Phase of Saturn Encounter. Summary - Far Encounters 1 and 2 lasted 9 days each.
Audience: JPL News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
09/09/1980 - 0:18:53 Producer: Bridges

AVC-1980-048-1/1 **Voyager Saturn Science Briefing - Far Encounter - 1**
Audience: Gen. News Site: von Kármán Aud.
Client:

Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
10/17/1980 - 0:22:00

AVC-1980-048-2/2 **Voyager Saturn Science Briefing - Far Encounter - 2"**
Jude Diner; Science Coordinator
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
10/17/1980 - 0:22:28

AVC-1980-050-1/1 **Voyager Saturn Science Briefing - Far Encounter - 2**
LOAD A525 - Ellis Miner, Science Coordinator.
Audience: Gen. News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Mono mix
10/29/1980 - 0:50:52

AVC-1980-051-1/1 **Voyager Saturn Science Briefing - near Encounter,**
LOAD A551,A552 -Ellis Miner, Science Coordinator; Discussing Saturn's Moon Titan and related Timelines.
Audience: Gen. News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Mono mix
10/29/1980 - 0:50:49

AVC-1980-052-1/1 **Voyager Saturn Science Briefing - Post Encounter,**
LOAD A571,A572 - Ellis Miner, Science Coordinator; First Encounter 22 hrs. and 32 days.
Audience: Gen. News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Mono mix
11/04/1980 - 0:31:27

AVC-1980-053-1/1 **Voyager I Saturn Report**
With Al Hibbs in the Blue Room; 00:32 - 8:00 am; 06:15 - 9:45 am;17:52 - 12:15 noon; 36:27 - 1:30 pm.
Audience: Gen. News Resource Site: 186-Studio
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/06/1980 - 0:50:50

AVC-1980-054-1/2 **Voyager I Saturn News Briefing**
10:30 AM -- R. Heacock, Voyager Project Mgr. - Mission Overview; E. Stone, Voyager Project Scientist - Science Overview; B. Smith, Imaging Team Leader - Imaging Results. Part 1 of 2
Audience: Gen. News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/06/1980 - 0:20:21

AVC-1980-054-2/2 **Voyager I Saturn News Briefing**
art 2 of 2; Q & A Segment.
Audience: Gen. News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/06/1980 - 0:35:25

AVC-1980-055-1/1 **Voyager I Saturn Report**
With Al Hibbs; Voice of Voyager 0:24 - 2:45 pm, guest Jim Pollack; Voyager Imaging Team; Discussed Saturn's Moon Titan, 20:46 - 4:23 pm, guest Dr. Rich Terrile, Voyager Imaging Team, Discussed Voyager being 100 light hours from Earth during this briefing.
Audience: Gen. News Resource Site: 186-Studio
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/06/1980 - 0:35:12

AVC-1980-056-1/1 **Voyager I Saturn Report**
With Al Hibbs; 00:35 - 7:55 am; 05:20 - 9:04 am; 11:30 - 10:10 am, guest Garry Hunt, University of London, Imaging Team; 22:27 - 12:00 noon, guest Ed Stone, Voyager Project Scientist; 31:30 - 1:30 pm, Discussed Saturn's gas clouds that are similar to Jupiter's clouds and color as well as the A, B and C Rings of Saturn; guest Norm Ness, Goddard Space Flight Center, Magnetic Field Principle Investigator; Discussed the Solar Winds and it's Ionized Particles and Bow Shock of Saturn.
Audience: Gen. News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix

11/07/1980 - 0:46:36

AVC-1980-057-1/2 **Voyager I Saturn Encounter News Briefing**
10:30 AM -- E. Davis - Voyager Deputy Project Mgr. - Spacecraft Report; E. Stone - Voyager Project Scientist - Ring Physics; B. Smith - Imaging Team Leader - Imaging Results -- Q & A segment; Part 1 of 2.
Audience: Gen. News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/07/1980 - 1:02:16

AVC-1980-057-2/2 **Voyager I Saturn Encounter News Briefing**
Part 2 of 2; Continued.
Audience: Gen. News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/07/1980 - 0:06:13

AVC-1980-058-1/1 **Voyager I Saturn Report**
With Al Hibbs; 0:21 - 3:00 pm, guest Garry Hunt, Imaging Team; 11/7/80; 13:10 - 8:00 am, guest Dr. Lyle Broadfoot, UV Spectrometer, USC; 16:40 - 9:00 am, guest Peter Doms, Radio Science.
Audience: Gen. News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/08/1980 - 0:51:08

AVC-1980-059-1/1 **Voyager I Saturn Encounter News Briefing**
10:30 AM -- Ray Heacock - Voyager Project Mgr. - Spacecraft Update; Brad Smith - Imaging Team Leader - Saturn Ring and The Great Red Spot Size; Ed Stone - Voyager Project Scientist - Titan, He also discussed Saturn's Atmosphere and how the planetary Ring's form.
Audience: Gen. News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/08/1980 - 0:57:33

AVC-1980-060-1/1 **Voyager I Saturn Reports**
With Al Hibbs, Voice of Voyager; 00:26 - 12:00 noon, guest

Brad Smith Imaging Team, Team Leader discussed Saturn's Ring Formation; 15:20 - 1:30 pm, guest Hal Masursky, Imaging Team discussed Saturn's Satellites and the encounter with Titan; 25:45 - 2:30 pm, guest Andy Ingersoll, Imaging Team discussed running out time viewing Saturn's Winds and it's Clouds pattern. He also discussed Saturn's Satellite Atmospheric change; 41:40 - 5:00 pm - Final update with Al Hibbs.
Audience: Gen. News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/08/1980 - 0:44:13

AVC-1980-061-1/1 **Voyager I Saturn Reports**
With Al Hibbs; 00:25 - 7:50 am; 02:46 - 9:00 am, update at 10:00 am, weather predictions were looking to be bad over the Atlantic from the Madrid Station; Looking to record X-Band data.
guest Garry Hunt, Imaging Team, discussed Flying under the South of Saturn; 16:55 - 10:00 am, guest Fred Scarf Plasma Wave discussed no sound from Saturn Magnetic Field to date, the Ion's sound waves; 29:06 - 12:00 noon, guest Allan Cook, Imaging Team discussed Saturn's Rings; 39:40 - 1:30 pm, guest David Morrison, Imaging Team, Discussed Saturn's Satellites icy surfaces.
Audience: Gen. Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/09/1980 - 0:56:12

AVC-1980-062-1/1 **Voyager I Saturn Encounter News Briefing**
10:30 AM; Esker Davis - Voyager Deputy Project Manager - Spacecraft Status; Brad Smith - Imaging Team Leader - Imaging; Jim Sullivan - Plasma Science - Bow Shock Predictions; Ed Stone - Voyager Project Scientist - Upcoming Events.
Sullivan discussed Saturn's Solar Wind and Magnetosphere of Saturn.
Audience: Gen. News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/09/1980 - 1:02:35

AVC-1980-063-1/1 **Voyager I Saturn Report**
With Al Hibbs -- 00:40 - 3:30 pm - 11/9/80; 03:01 - 7:50 am - 11/10/80; 07:40 - 9:10, guest Torrence Johnson; 23:03 - 9:50 am, guest, Garry Hunt; 34:38 - 12:00 noon, guest Jeff Cuzzi; Discussed Saturn's Ring Particles.
Audience: Gen. News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/10/1980 - 0:57:00

AVC-1980-064-1/2 **Voyager I Saturn Encounter News Briefing**
Introduction: Frank Bristow, JPL-PIO; 10:30 AM --.Raymond Heacock - Voyager Project Manager - Spacecraft Status; Dr. Edward Stone - Voyager Project Scientist - Upcoming Events; Bill Sandel - Ultraviolet Spectroscopy Saturn Tours; Brad Smith - Imaging Team Leader - Imaging; -- Part 1 of 2
Audience: Gen. News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/10/1980 - 1:02:00

AVC-1980-064-2/2 **Voyager I Saturn Encounter News Briefing**
Part 2 of 2; Q & A.
Audience: Gen. News Resource Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/10/1980 - 0:11:28

AVC-1980-065-1/1 **Voyager I Saturn Reports**
With Al Hibbs, Voice of Voyager; Discussed possibly S-Band data recorded due to bad weather conditions in Spain; 00:26 - 1:40 pm, guest Larry Soderblom, Imaging Team; 17:26 - 2:30 pm; 21:37 - 3:30 pm, guest Linda Morabito, Optical Navigation; Discussed Saturn's Moons.
Audience: Gen. News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/10/1980 - 0:33:54

AVC-1980-066-1/2 **Saturn and the Mind of Man Symposium**
BECKMAN AUDITORIUM, CALTECH - 4:30 - 6:30 PM -- Walter Sullivan, New York Times; Phillip Morrison, MIT Astronomer;

Carl Sagan, Astronomer, Professor Cornell Univ; Ray Bradbury, Author; Bruce Murray, JPL Lab Director. -- Part 1 of 2
Audience: Gen. JPL NASA News Resource Site: Caltech-Beckman
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/09/1980 - 1:02:51

AVC-1980-066-2/2 **Saturn and the Mind of Man Symposium**
Part 2 of 2
Audience: Gen. JPL NASA News Site: Caltech-Beckman
Client:
Master: 3/4" Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/09/1980 - 1:00:00

AVC-1980-067-1/1 **Voyager I Saturn Report**
With Al Hibbs
00:27 - 8:00 am
04:31 - 9:00 am
09:31 - 2:38 pm
14:13 - 4:30 pm, guest David Morrison
22:46 - 5:10 pm, (Bow Shock Crossing, short announcement)
23:55 - 7:30 pm, guest, Richard Terrile (Titan); 34:43 - 7:55 pm, guest, Reta Beebe
43:18 - 8:25 pm, guest, Jim Mitchel
Audience: Gen. JPL NASA News Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/11/1980 - 0:52:59

AVC-1980-068-1/1 **Voyager I Saturn Watch, KCET**
Co-production by JPL & KCET, Los Angeles Public Broadcasting Station. With Cleate Roberts and Al Hibbs viewing images of Saturn's Rings.
Audience: Gen. News Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
Air check
11/12/1980 - 0:11:30 Producer: Bridges/KCET

AVC-1980-069-1/1 **Voyager I Saturn Encounter News Briefing**
9:30 AM -- Esker Davis - Deputy Project Manager - Spacecraft

Status; Dr. Ed Stone - Voyager Project Scientist - Saturn Clouds; Uranus Rings; Brad Smith - Imaging Team Leader - Zoom Film, Rings; Titan Hood; Lawrence Soderblom - Imaging Science - Satellites.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Mono mix
11/11/1980 - 1:01:54

AVC-1980-070-1/2 **Voyager I Saturn Satellite Feed**
11:00 am -- Al Hibbs, voice of Voyager; update overview of Jupiter and Saturn's tours; G. Hunt, Imaging Team, view animated maneuvers of the mission. Hal Masursky, Imaging Scientist, comments about Saturn's Satellites; Brad Smith, Imaging Team -- Part 1 of 2
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/11/1980 - 1:00:00

AVC-1980-070-2/2 **Voyager I Saturn Satellite Feed**
Jeff Cuzzi, Discussed Rings of Saturn; Dr. Ed Stone, Voyager Project Scientist, Rings- Satellites; Lawrence Soderblom, Imaging Team; -- Part 2 of 2; Al Hibbs displays Goldstone Antennas, JPL SFF, and data from the computer room.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/11/1980 - 0:58:22

AVC-1980-071-1/1 **Saturn Watches - With KCET 28**
11/80 Voyager 1 update. A joint live program with JPL (Al Hibbs) and KCET, Los Angeles Public Television station. Update - Voyager has taken 18,000 pictures to date.
Dr. Ed Stone, Voyager Project Scientist; Brad Smith, Imaging Team Leader; Discussed with MacNiel Lehrer Saturn's Rings and Satellites.
Audience: News Site: Air check
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/11/1980 - 0:29:00

AVC-1980-072-1/1 **Voyager I Saturn Report**
With Al Hibbs -- 01:01 - 9:00 pm, guest Verner Suomi; 13:15 - 9:20 pm, guest von Eshleman; Imaging Team, 25:00 - 9:35 pm, guest, Andre Brahic
from Paris, Imaging Team; Discussed Saturn's Rings.
Audience: News Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/11/1980 - 0:41:10

AVC-1980-073-1/1 **Voyager I Saturn Reports**
With Al Hibbs, Voice of Voyager; -- 00:26 - 7:50 am; 05:17 - 9:00 am; 12:20 - 12:30 noon, guest Torrence Johnson, Imaging Team.
Audience: News Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/12/1980 - 0:31:54

AVC-1980-074-1/2 **Voyager I Saturn Encounter News Briefing**
Raymond Heacock, Voyager Project Manager - Spacecraft
Norman Ness, Principal Investigator Magnetic Field - Bow Shock & Magnetopause Crossing
Ed Stone, Voyager Project Scientist - Preliminary Titan Results;
Brad Smith - Imaging Science, Imaging Team Leader - Satellites
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/12/1980 - 0:22:51

AVC-1980-074-2/2 **Voyager I Saturn Satellite Feed**
Part 2 of 2 - News Briefing Cont. R. Heacock, Voyager Project Manager – Spacecraft; N. Ness, Principal Investigator Magnetic Field - Bow Shock & Magnetopause Crossing; Ed Stone - Voyager Project Scientist - Preliminary Titan Results; B. Smith - Imaging Team - Satellites
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/12/1980 - 0:19:26

AVC-1980-075-1/3 **Voyager I Saturn Satellite Feed - 2:00 pm**
Al Hibbs, voice of Voyager; with Hal Masursky, Imaging Team; Shows Animated movie of Voyager Encounter; Garry Hunt, Imaging Team; Jim Warwick; Particle Investigator; Part 1 of 3.
Audience: News Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/12/1980 - 1:02:19

AVC-1980-075-2/3 **Voyager I Saturn Satellite Feed - 2:00 pm**
Part 2 of 3 -- With Al Hibbs and N. Ness, discussed Voyager Encounter w/Saturn and Satellites; Hibbs showed computer generated animated film of Voyager approach. J. Cuzzi, Ames Research Center and B. Smith, Imaging Team Leader; discussed the Satellites gravitational F Ring.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/12/1980 - 1:01:56

AVC-1980-075-3/3 **Voyager I Saturn Satellite Feed - 2:00 pm**
Part 3 of 3 - With Al Hibbs - B. Smith, F. Scarf, TRW Plasma Wave; L. Soderblom, E. Stone
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/12/1980 - 0:49:47

AVC-1980-076-1/1 **Voyager I Saturn News Briefing - 5:40 pm**
No description
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/12/1980 - 0:00:00

AVC-1980-077-1/1 **Voyager I Saturn Reports with Al Hibbs**
Picture of Rings w/White Spokes); 00:35 - 8:00 am; 07:22 - 9:00 am; 17:50 - 1:30 pm, guest von Eshleman; 32:30 - 2:30 pm, Hibbs; 42:47 - 4:00 pm, guest Toby Owen.
Audience: News Site: Blue Room

Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/13/1980 - 0:57:16

AVC-1980-078-1/2 **Voyager I Saturn Encounter News Briefing - 9:30 am**
Esker Davis, Deputy Voyager Proj. Mgr. - Spacecraft; Von Eshleman, Radio Science - Titan's Atmosphere; R. Hanel, Infrared Radiometry & Spectroscopy - Titan Atmosphere; E. Stone, Project Scientist - Ultraviolet Results; B. Smith, Imaging - Imaging; L. Soderblom, Imaging Science - Satellites.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/13/1980 - 1:01:57

AVC-1980-078-2/2 **Voyager I Saturn Encounter News Briefing**
Part 2 of 2. Q & A; Panel Setting.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/13/1980 - 0:23:25

AVC-1980-079-1/1 **Voyager I Saturn Encounter Satellite Feed - 11:00 am**
Al Hibbs, B. Smith, T. Johnson, A. Ingersoll, L. Soderblom, E. Stone.
Audience: News
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
11/13/1980 - 1:00:00

AVC-1980-080-1/1 **Voyager I Saturn Reports**
With Al Hibbs; 01:14 - 4:45 pm announced completion of maneuver.11-13-80; 03:33 - 8:00 am; 06:19 - 9:00 am, guest Torrence Johnson; 13:14 - 9:30 am; 37:55 - 10:00 am guest, Norm Ness
Audience: News
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/14/1980 - 0:46:00

AVC-1980-081-1/2 **Voyager I Saturn Encounter News Briefing - 10:30 am**
R. Laeser, Voyager Project Mission Director - Spacecraft & Operations
L. Broadfoot, Ultraviolet Spectroscopy - Titans Upper Atmospheric Chemistry
D. Strobel, Ultraviolet Spectroscopy - Titan's Atmospheric Chemistry
B. Smith, Imaging Team - Rings & Titan
E. Stone, Voyager Project Scientist - Titan Magnetopheric
E. Shoemaker, Imaging Science - Satellites
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/14/1980 - 1:00:00

AVC-1980-081-2/2 **Voyager I Saturn Encounter News Briefing - 10:30 am**
Part 2 of 2
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/14/1980 - 0:30:00

AVC-1980-082-1/1 **Voyager I Saturn Reports**
With Al Hibbs
00:24 - 12:00 noon - Titan atmosphere layers & description from Al. News Briefing Results & Summary
13:24 - 1:30 pm - guest Eugene Shoemaker - on satellites and their characteristics (Ring movie, pix coming in)
34:52 - 3:00 pm - guest Garry Hunt
45:31 - 4:30 pm - guest Rudolf Hanel
Audience: News
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
11/14/1980 - 0:58:00

AVC-1980-082-2/2 **Voyager I Saturn Reports**
With Al Hibbs
continued with guest Rudolf Hanel
Audience: News
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
11/14/1980 - 0:02:22

AVC-1980-083-1/1 **"Voyager/Uranus" & "Voyager 2 Future Encounters"**
2 Films combined
Audience: News
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/14/1980 - 0:02:10

AVC-1980-084-1/1 **Voyager I Saturn Reports**
With Al Hibbs -- 00:20 - 8:00 am; 02:57 - 9:00 am; 06:41 - 11:30 am; 19:26 - 2:00 pm, guest Garry Hunt; Imaging Team, Voyager leaving Saturn;0. 38:51 - 3:30 pm, guest Mike Kaiser; 51:05 - 4:30 pm
Audience: News Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/15/1980 - 0:55:46

AVC-1980-085-1/3 **Voyager I Saturn Encounter News Briefing - 9:30 am**
R. Heacock - Voyager Project Manager - Spacecraft B. Smith - Imaging Science - Rings & Satellites
H. Bridge - Plasma Science - Titan Wake
N. Ness - Magnetic Fields - Titan Wake
D. Gurnett - Plasma Wave - Titan Radio Emissions S.M. Krimigis - Low Energy Charged Particles - Magnetosphere
M. Kaiser - Co-Investigator, Planetary Radio Astronomy Team - Saturn Radio Sources
B. Sandel - Ultraviolet Spectroscopy - Saturn Aurora
G. Len Tyler - Radio Science - C-Ring & Titan
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono Mix 2: Silent
11/16/1980 - 1:00:00

AVC-1980-085-2/3 **Voyager I Saturn Encounter News Briefing**
Part 2 OF 3 - Continued
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/16/1980 - 1:02:10

AVC-1980-085-3/3 **Voyager I Saturn Encounter News Briefing**

Part 3 of 3; Panel Setting - Q & A.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/16/1980 - 0:16:22

AVC-1980-086-1/2 **Voyager I Saturn Encounter News Briefing**
Nick Panagakos, NASA - Office of Space Science Introduction; Esker K. Davis - Deputy Voyager Project Manager; Spacecraft Status & Mission Operations
Garry Hunt - Imaging Science Team; Saturn Atmosphere
Jeff Cuzzi - Imaging Science Team; Saturn Rings
Dr. George Gloeckler - Low -Energy Charged Particles Experiment Team - Magnetosphere Composition
Dr. Edward Stone - Voyager Project Scientist - Upcoming Science Activities.
George Gloeckler - Magnetospheric Composition
Ed Stone - Voyager Project Scientist; Upcoming Science Activities.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/16/1980 - 1:00:00

AVC-1980-086-2/2 **Voyager I Saturn Encounter News Briefing**
Part 2 of 2
E. K. Davis - Spacecraft Status & Mission Operations
G. Hunt - Saturn Atmosphere
J. Cuzzi - Saturn Rings
G. Gloeckler - Magnetospheric Composition
E. Stone - Upcoming Science Activities
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/16/1980 - 0:30:57

AVC-1980-087-1/1 **Voyager I Saturn Reports**
With Al Hibbs; 8:45 am; 10:00 am; 12:00 noon; 2:00 pm, guest Rich Terrile; 4:00 pm, guest Andy Collins
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

11/16/1980 - 0:00:00

AVC-1980-088-1/3 **Voyager I Saturn Encounters News Briefing**
R. Heacock - Voyager Project Mgr. - Spacecraft
F. Scarf - Plasma Wave - Plasma Waves
J. Warwick - Planetary Radio Astronomy - Radio Emissions
B. Smith - Imaging Team Leader - Satellites
A. Ingersoll - Imaging Science - Atmospheric Dynamics
R. Hanel - Infrared Radiometry & Spectroscopy - Atmospheric Composition
T. Owen - Imaging Science - Titan
L. Soderblom - Imaging Science - Satellite Surfaces
R. Terrile - Imaging Science - Rings
E. Stone - Voyager Project Scientist - Summary
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/17/1980 - 1:00:00

AVC-1980-088-2/3 **Voyager I Saturn Encounters News Briefing**
Part 2 of 3
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/17/1980 - 1:00:00

AVC-1980-088-3/3 **Voyager I Saturn Encounters News Briefing**
Part 3 of 3
R. Heacock - Spacecraft; F. Scarf - Plasma Waves
J. Warwick - Radio Emissions; B. Smith - Satellites; A. Ingersoll - Atmospheric Dynamics
R. Hanel - Atmospheric Composition
T. Owen - Titan; L. Soderblom - Satellite Surfaces
R. Terrile - Rings; E. Stone - Summary
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/17/1980 - 0:56:26

AVC-1980-089-1/1 **Voyager I Saturn Reports**
With Al Hibbs --Last Report - Victor J. Frisbee, (spoof)
Audience: JPL

Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/17/1980 - 0:04:47

AVC-1980-091-1/2 **Navy Captain Grace M. Hopper**
Information Processing: Past, Present, & Future. (includes famous nanosecond demonstration) by Navy Captain Grace M. Hopper, Discussed the First Large Scale Digital Computer.
Audience: Gen. Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/19/1980 - 1:02:44 Producer: Bridges

AVC-1980-091-2/2 **Navy Captain Grace M. Hopper**
Information Processing: Past, Present, & Future. (includes famous nanosecond demonstration)
Audience: Gen. Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Silent 2: Mono mix
11/19/1980 - 0:34:00 Producer: Bridges

AVC-1980-092-1/1 **A-1 "Tour Tape" (Voyager)**
Al Hibbs explains getting a signal from Voyager to JPL.
Made for insertion into live shows.
Audience: Resource
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/20/1980 - 0:13:55

AVC-1980-093-1/1 **A-2 "Voyager Mission Summary to Date"**
Voyager 1 Mission summary
Made for insertion into live shows.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/20/1980 - 0:04:00

AVC-1980-095-1/1 **A-4 "Saturn Rotation Movie" Film**
Made from real data.
Audience: Resource
Client:

Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/20/1980 - 0:01:27

AVC-1980-096-1/1 **A-5B "Voyager I Saturn Encounter Film" - 1980**
FILM-Unknown
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/20/1980 - 0:06:03

AVC-1980-097-1/1 **A-6 "Saturn Rings"**
With Al Hibbs
Made for insertion into live shows.
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/20/1980 - 0:08:35

AVC-1980-098-1/1 **A-7 "Hibbs/Stone" - 12:25**
HIBBS/STONE"
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/20/1980 - 0:08:52

AVC-1980-099-1/1 **A-10 "Satellite Feed Generic Opening"**
Opening for Saturn programming
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/30/1980 - 0:00:52

AVC-1980-101-1/1 **A-11 - "SATELLITE FEED CROSSING2**
Saturn programming visual
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/20/1980 - 0:01:38

AVC-1980-102-1/1 **Voyager Jupiter and Saturn Animation**

Film animation showing Voyager encounters with Jupiter and Saturn narrated by Al Hibbs, voice of Voyager.
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
11/01/1980 - 0:06:00

AVC-1980-103-1/1 **A-13 "RING ROTATION FILM" FILM**
Saturn programming visual
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/20/1980 - 0:01:15

AVC-1980-104-1/1 **A-14 "SATURN ROTATION & ZOOM FILM" FILM**
Saturn programming visual
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
11/20/1980 - 0:00:00

AVC-1980-106-1/1 **"Saturn's Magnetic Field Movie" Film Transfer**
Saturn's programming visual; By: James F. Blinn.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
11/20/1980 - 0:02:04

AVC-1980-107-1/1 **Voyager I Saturn Results for the DSN**
with Ellis Miner
Audience: JPL
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
12/12/1980 - 1:00:00

AVC-1980-109-1/1 **Voyager I Saturn Spoke Rotation Film**
Made from real data; Al Hibbs, voice of Voyager; quest - Eberhardt Rechtin, President, The Aerospace Corporation.
Audience: Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25

Audio 1: Silent 2: Mono mix
12/01/1980 - 0:11:38 Producer: PAO

AVC-1981-002-1/1 **Voyager 1 Non-imaging Science Results**
Ellis Miner, Assist. Proj. Scientist
Audience: JPL News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/23/1981 - 0:22:50

AVC-1981-003-1/5 **Solar System Exploration Research Conference**
Al Hibbs, voice of Voyager; Panel guest: Eugene Levy, John Naugle, acting Chief Scientist of NASA -- Part 1 of 5
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/29/1981 - 0:57:49

AVC-1981-003-2/5 **Solar System Exploration Research Conference**
Part 2 of 5, John E. Naugle, John Beckman -
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/29/1981 - 0:30:20

AVC-1981-003-3/5 **Solar System Exploration Research Conference**
art 3 of 5, With Al Hibbs, voice of Voyager; Jim French, Manager of Planetary Studies; L. J. Woods. -
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/29/1981 - 0:46:00

AVC-1981-003-4/5 **Solar System Exploration Research Conference**
Part 4 of 5, Art Albee, Dr. Garrett Paine, Oceanographer -
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/29/1981 - 0:44:13

AVC-1981-003-5/5 **Solar System Exploration Research Conference**

Part 5 of 5, Richard Wallace, predesign work; Roy Kakuda, discussed Saturn's Voyager departure.
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/29/1981 - 0:45:15

AVC-1981-006-1/1 **VS-8 "Voyager I Depart Saturn" (PIO Film clip)**
Used in "Blue Room" shows
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: N/A 2: N/A
11/01/1980 - 0:02:02

AVC-1981-011-1/2 **Voyager I Encounter with Saturn (Summary of Events)**
Used in "Blue Room" shows
Ed Stone, Voyager Project Scientist; Part 1 of 2
Audience: Gen. Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/04/1981 - 1:02:20

AVC-1981-011-2/2 **Voyager I Encounter with Saturn (Summary of Events)**
Part 2 of 2; Dr. Ed Stone, Voyager Project Scientist; Summarizes the events.
Audience: Gen. Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/04/1981 - 0:07:09

AVC-1981-016-1/3 **Research Conference on Autonomous Systems**
Intro and Overview - Dr. Al Hibbs; Voice of Voyager; Guest: Artificial Intelligence - Dr. Raj Reddy, Artificial Intelligence, Carnegie-Mellow University. Part 1 of 3
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/31/1981 - 0:37:12

AVC-1981-016-2/3 **Research Conference on Autonomous Systems**
Artificial Intelligence and Robotics - Mr. Dell Williams,

NASA HQ; Q & A - Part 2 of 3.
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/31/1981 - 0:35:19

AVC-1981-016-3/3 **Research Conference on Autonomous Systems**
Research Issues for Autonomous Systems - Dr. John Pierce; Telepresence and Intelligent Machines - Dr. Marvin Minsky, MIT; Part 3 of 3
Audience: JPL Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/31/1981 - 0:36:38 Producer: PIO -AVC Offie

AVC-1981-026-1/2 **Science, Technology, and Nuclear War**
Marvin Goldberger, Caltech President; Part 1 of 2
Audience: Gen.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/06/1981 - 1:00:15

AVC-1981-026-2/2 **Science, Technology, and Nuclear War**
Part 2 of 2
Audience: Gen.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/06/1981 - 0:34:25

AVC-1981-031-1/1 **NASA Film on Columbia Shuttle Launch and Landing**
STS-1
Audience: NASA
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
05/06/1981 - 0:17:43

AVC-1981-034-1/12 **Roll-in #1 - Voyager Mission Control Center - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:

Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:04:34

AVC-1981-034-2/12 **Roll-in #2 - Space Flight Operations Facility - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:00:00

AVC-1981-034-3/12 **Roll-in #3 - General Jet Propulsion Laboratory Scenes - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:05:16

AVC-1981-034-4/12 **Roll-in #4 - Voyager Spacecraft - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:04:29

AVC-1981-034-5/12 **Roll-in #5 - JPL Space Museum - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:05:07

AVC-1981-034-6/12 **Roll-in #6 - Deep Space Tracking Station - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience:
Client:
Master: 3/4" U

Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:00:00

AVC-1981-034-7/12 **Roll-in #7 - Robotics at JPL - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:04:42

AVC-1981-034-8/12 **Roll-in #8 - Biomedical Research for Space - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:04:30

AVC-1981-034-9/12 **Roll-in #9 - Space Telescope - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:05:14

AVC-1981-034-10/1 **Roll-in #10 - Search for Extraterrestrial Intelligence - S.E.T.I.**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:03:45 Producer: Televane Production

AVC-1981-034-11/1 **Roll-in #11 - Space Pictures to Earth - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

02/01/1981 - 0:04:26 Producer: Telvane Production

AVC-1981-034-12/1 **Roll-in #12 - 3 Years in 3 Minutes - 1981**
Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience: Resource
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
02/01/1981 - 0:00:00

AVC-1981-036-1/2 **NASA Special Awards Ceremony for the Voyager Project**
Part 1 of 2; Hosted by Bruce Murray JPL Director.
Audience: Gen.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/02/1981 - 1:02:21

AVC-1981-036-2/2 **NASA Special Awards Ceremony for the Voyager Project**
Part 2 of 2 . Note: at 48:00 min, speech on Nuclear War;
Guest Speakers: Esker Davis, Deputy Voyager Project Manager - Spacecraft; Presenter,
John Casani, Presenter.
Audience: Gen.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/02/1981 - 1:00:24

AVC-1981-040-1/1 **Voyager Science Briefing**
Encounter Overview and Observatory Phase, Jude Diner; Science Coordinator
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/29/1981 - 0:25:25

AVC-1981-041-1/1 **Voyager Saturn Explanation**
Encounter Overview and Observatory Phase, Jude Diner; Science Coordinator
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

06/30/1981 - 0:27:10

AVC-1981-042-1/1 **Post Flight Shuttle Press Conference Film**
NASA Film
Audience: NASA News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/1981 - 0:17:00

AVC-1981-043-1/1 **Voyager Science Briefing - "FAR ENCOUNTER 1"**
By Jude Diner; Science Coordinator - Saturn's Rings.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/23/1981 - 0:11:28

AVC-1981-044-1/1 **Voyager I Saturn Encounter Tape**
special edit
Audience: Resource
Client: Ben Casados
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/01/1981 - 0:11:15 Producer: Cassou

AVC-1981-045-1/1 **Voyager Science Briefing - "FAR ENCOUNTER 2"**
Part 1 Jude Diner; Science Coordinator
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/06/1981 - 0:13:46

AVC-1981-046-1/1 **Voyager 2 Saturn**
w/sound. Animated Film by James Blinn.
Audience: Resource
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/10/1981 - 0:06:08

AVC-1981-047-1/1 **Voyager Science Briefing Post Encounter**
With Jude Diner; Science Coordinator.
Audience: News Site: von Kármán Aud.
Client:

Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/13/1981 - 0:17:26

AVC-1981-048-1/2 **Voyager Science Briefing**
FAR ENCOUNTER 2 Part 2, AND NEAR ENCOUNTER W/Jude Diner
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/12/1981 - 0:32:32

AVC-1981-048-2/2 **Voyager Science Briefing**
FAR ENCOUNTER 2 Part 2, AND NEAR ENCOUNTER W/Jude Diner; Science Coordinator
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/12/1981 - 0:04:20

AVC-1981-049-1/2 **Voyager 2 Saturn Encounter News Briefing - 10:00 am**
Part 1 of 2 - E. Davis, E. Stone, B. Smith
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/21/1981 - 1:00:00

AVC-1981-049-2/2 **Voyager 2 Saturn Encounter News Briefing - 10:00 am**
Part 2 of 2 - 10:00am Overview of Mission Profile: Esker Davis, Voyager Deputy Project Manager, Spacecraft Report; Dr. Ed Stone, Voyager Project Scientist, Ring Physics; Brad Smith, Imaging Team Leader, Imaging Results; Q & A.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/21/1981 - 0:11:00

AVC-1981-050-1/2 **Voyager 2 Saturn Encounter News Briefing - 9:30 am**
Part 1 of 2 - Richard Laeser, Mission Director - Project Report; Dr. Edward C. Stone, Voyager Project Scientist, Satellite Magnetosphere; Dr.Fred Scarf, Principal Investigator, Plasma Wave TRW; Dr. Bradford A. Smith, Team

Leader, Imaging Science University of Arizona - Imaging.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/22/1981 - 0:59:56

AVC-1981-050-2/2 **Voyager 2 Saturn Encounter News Briefing - 9:30 am**
Part 2 of 2; Panel Setting Q & A.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/22/1981 - 0:12:52

AVC-1981-051-1/1 **Voyager 2 Saturn Spoke Movie #1 Film**
Animation made from Voyager images;
Esker Davis - Deputy Voyager Project Manager -Overview; Dr. Ed Stone - Voyager Project Scientist; Physics.
Panel Setting Q & A
Audience: Resource Site: von Kármán Aud.
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/01/1981 - 0:59:41

AVC-1981-052-1/2 **Voyager 2 Saturn Encounter News Briefing - 10:30 am**
Part 1 of 2 - Esker Davis, Voyager Project Manager, Project Overview; Dr. Ed. Stone, Voyager Project Scientist, Coming Events; Brad Smith, Team Leader, Imaging Science; Imaging Results.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/23/1981 - 0:59:38

AVC-1981-052-2/2 **Voyager 2 Saturn Encounter News Briefing - 10:30 am**
Part 2 of 2
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/23/1981 - 0:08:05

AVC-1981-053-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**

7:45 am - no guest, 6:00 min.; 9:00 am - forgot to record / guest was L. Lane; 11:45 am - guest, Ed Stone - 18:00 min.; 1:30 pm - guest, Garry Hunt (missed beginning) 19:00 min.; 2:30 pm - no guest - 3:20 min.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/21/1981 - 0:42:50

AVC-1981-054-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
:00 pm - guest, Richard Terrile - 18:03 min. 8/21/81; 7:45 am - no guest, (missed beginning) 1:30 min.; 9:00 am - guest, Hal Masursky on Iapetus and what's coming up - 18:00 min.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/21/1981 - 0:44:26

AVC-1981-055-0/1 **Voyager 2 Saturn Reports w/Al Hibbs**
11:00 am - guest, David Morrison on Iapetus - 14 min.; 1:30 pm - no guest - 2:30 min.; 2:30 pm - guest, Allan Cook; 3:30 pm - no guest ; 4:30 pm - guest, Jim Warwick - 20 min.
Audience: News
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
08/22/1981 - 0:00:00

AVC-1981-056-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
7:45 pm - no guest - 5 min.; 9:00 am - guest, Jeff Cuzzi - 12 min.; 10:00 am - guest, Fred Scarf - 13 min.; 11:45 am - guest, Eugene Shoemaker - 15 min.
Audience: News
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
08/23/1981 - 0:48:00

AVC-1981-057-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
1:30 pm - Hibbs shows approach zoom movie - 5 min.; 2:30 pm - Eugene Shoemaker - 13 min.; 4:25 pm - Andy Ingersoll - 14 min.
Audience: News

Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/23/1981 - 0:32:50

AVC-1981-058-1/2 **Voyager 2 Saturn Encounter News Briefing -10:30 AM**
Part 1 of 2 - Frank Bristow, Introduction; Richard Laeser, Project Director; Dr. Ed Stone, Voyager Project Scientist -Rings; Dr. Len Tyler, Team Leader, Stanford University - Rings; Brad Smith, Team Leader, Imaging Science, Imaging Results.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/24/1981 - 1:00:13

AVC-1981-058-2/2 **Voyager 2 Saturn Encounter News Briefing -10:30 AM**
Part 2 of 2
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/24/1981 - 0:52:40

AVC-1981-059-1/1 **Voyager 2 Saturn Reports W/Al Hibbs**
7:45 am - no guest - 6:30 min.; 9:00 am -Al Hibbs, Voice of Voyager; guest, Jim Sullivan - 12:30 min. (bow shock crossing); 1:30 pm - guest, Joseph Ververka - 13:40 min.; 2:30 pm - no guest - 3:00 min.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/24/1981 - 0:35:33

AVC-1981-060-1/1 **Voyager 2 Satellite Feed (Televane Productions)**
5:00 pm; With Al Hibbs, Voice of Voyager; guest: Dr. Edward Stone, Voyager Project Scientist; Lonnie Lane. NASA News NET Live from JPL.
Audience: News
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/24/1981 - 1:01:35

AVC-1981-061-1/2 **Voyager 2 Saturn News Briefing - 10:30 am**
Part 1 of 2 - Esker Davis, Deputy Voyager Project Manager, Overview; Dr. Ed Stone, Voyager Project Scientist, Summary; Fred Scarf, Plasma Wave, PI; Brad Smith, Imaging Team, Satellites.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 1:02:42

AVC-1981-061-2/2 **Voyager 2 Saturn News Briefing - 10:30 am**
Part 2 of 2, Panel Setting Q & A.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 0:26:52

AVC-1981-062-1/1 **Voyager 2 Saturn News Briefing - 3:00 pm**
J. Beggs, B. Murray, A. Stofan
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 0:55:00

AVC-1981-063-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
Blue Room interviews & Updates 7:45 am - no guest; 9:05 am - guest, Norm Ness, Magnetic Fields, SFC; - 22 min. 1:30 pm - guest, Tom Krimigis, Imaging Team - 17:00 min.; 2:30 pm - guest Steve Synnott, Imaging Team - 9:00 min
Audience: News Resource Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 0:58:54

AVC-1981-064-1/2 **Voyager 2 Satellite Feed (Televane Productions)**
5:00 pm Part 1 of 2
Audience: News
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 1:00:00

AVC-1981-064-2/2 **Voyager 2 Satellite Feed (Televane Productions)**
5:00 pm part 2 of 2; With Al Hibbs, Voice of Voyager; guest: Hal Mesursky, Imaging Scientist; Dr. Ed Stone, Voyager Project Scientist, Summary; Satellites and Saturn's Rings.
Stone talk about New Experiments measuring a Star coming from behind Saturn and it's brightness appearing there.
Also the measurements of Saturn's Rings.
Audience: News Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 0:28:18

AVC-1981-065-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
6:30 pm - Garry Hunt in the Gallery; 6:35 pm - no guest - 5:00 min.; 8:20 pm - no guest - 3:22 min.; 10:30 pm - no guest; 11:15 pm - no guest 2:30 min.; 11:26 pm - no guest 4:06 min.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 0:31:32

AVC-1981-066-1/1 **NIGHTLINE - 8:30 PM**
Voyager 2 Saturn Reports w/Al Hibbs; 8:45 pm -guest - Ted Koppell reports Saturn's Encounter closest approach; 9:18 pm - Carl Sagan - Summary Saturn's Rings.
There is a short segment on Ranger 7, 1964.
Also, Reports on ceasing all future programs and future planetary exploration due to Challenger Disaster.
Audience: News Site: Blue Room
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 1:02:17

AVC-1981-067-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
12:00 midnight; Voyager 2 Saturn Reports with Al Hibbs, Voice of Voyager.
Audience: News
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/25/1981 - 0:00:00

AVC-1981-068-1/1 **Voyager 2 Saturn Encounter News Briefing - 3:45 am**
Early morning News on Spacecraft emergency status; Esker Davis, Overview - Spacecraft Voyager Problems-Scan Platform was not working properly
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/26/1981 - 0:13:03

AVC-1981-069-1/1 **Voyager 2 Saturn Encounter News Briefing - 8:15 AM**
Dick Laeser, Mission Project Director; Explanation of Spacecraft Scan Platform Problem.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/26/1981 - 0:18:53

AVC-1981-070-1/1 **NASA's Administrator's Message to JPL**
Mr. James M. Beggs, NASA's Administration, After 29 plus minutes Transfer's Snowy.
Audience: JPL News
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/26/1981 - 0:37:00 Producer: NASA HQ

AVC-1981-071-1/2 **Voyager 2 Saturn Encounter News Briefing - 10:30 am**
Part 1 of 2 - Frank Bristow, Introduction, Dick Laeser, Project Overview, Mission Project Director; Ed Stone, Science Overview, Project Scientist; Brad Smith, Imaging Results, Imaging Team; Larry Soderblom, Satellites, Imaging Team.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/26/1981 - 1:00:13

AVC-1981-071-2/2 **Voyager 2 Saturn Encounter News Briefing - 10:30 am**
Part 2 of 2; Panel Setting, Q & A.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
08/26/1981 - 0:08:09

AVC-1981-072-1/1 **Voyager 2 Spoke Movie #2**
Made from Voyager 2 images of Saturn's rings. Fast 0:00 - 0:19 repeat 0:24 - 0:30; slow 0:40 - 1:13 repeat 1:04 - 1:35
Audience: News
Client: , Org. S
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
08/26/1981 - 0:02:25

AVC-1981-073-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
7:45 am no guest; 9:00 am - guest, Ed Stone - Voyager Project Scientist - 10:00 min.; 12:00 noon - Incoming Pix during News Briefing; 1:30 pm - guest, Ek Davis - 7:00 min.; 2:30 pm - guest, Verner Suomi, Imaging Team.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/26/1981 - 0:52:02

AVC-1981-074-1/1 **Voyager 2 Satellite Feed (Televane Productions)**
5:00 pm
Audience: News
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/26/1981 - 1:00:00

AVC-1981-075-1/1 **Voyager 2 Saturn Encounter News Briefing - 6:15 PM**
Ek Davis answers press on Spacecraft problem
Audience: News
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/26/1981 - 0:00:00

AVC-1981-076-1/2 **Voyager 2 Saturn Encounter News Briefing -10:30 AM**
Part 1 of 2 - Esker Davis, Deputy E. Stone, A. Lane, F. Scarf, G. Hunt, B. Smith
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix

08/27/1981 - 1:00:00

AVC-1981-076-2/2 **Voyager 2 Saturn Encounter News Briefing -10:30 AM**
Part 2 of 2, Panel Setting - Q & A.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/27/1981 - 0:29:38

AVC-1981-077-1/1 **Voyager 2 Satellite Feed (Televane Productions)**
5:00 pm
Audience: News
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/27/1981 - 1:00:00

AVC-1981-078-1/1 **Voyager 2 Saturn Encounter Ring/Spoke Movie #2**
Made from Voyager 2 images of Saturn's rings.
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
08/26/1981 - 0:02:30

AVC-1981-079-1/1 **KCET "NEWSBEAT" w/JPL PIO**
Bristow and Al Hibbs in the Blue Room. Also, "Saturn Watch"
Audience: News
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/27/1981 - 0:30:00

AVC-1981-080-1/2 **Voyager 2 Saturn Encounter News Briefing -10:30 am**
Part 1 of 2 - D. Laeser, E. Stone, B. Smith, L. Soderblom, R. West, M. Kaiser, B. Conrath, V. Eshleman, A. Lane
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/28/1981 - 1:00:00

AVC-1981-080-2/2 **Voyager 2 Saturn Encounter News Briefing -10:30 am**
Part 2 of 2; guest speakers: Dr. Barney Conrath - Spectroscopy; Von Eshleman - Radio Science Member; Lonnie

Lane - Photopolarimetry; Q & A Panel Setting.
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/28/1981 - 0:54:19

AVC-1981-081-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
7:45 am - no guest ; 9:00 am - guest, Jim Warwick; 1:30 pm - guest, Norm Ness - 23:00 min.; 2:30 pm - guest, Toby Owen - 16:00 min.; 6:30 pm - no guest
Audience: News
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/27/1981 - 0:00:00

AVC-1981-082-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
7:45 am - no guest - 2:00 min.; 9:00 am - guest - 21:00 min., Fred Scarf, PI, Plasma Waves, Instrument Measurements; 1:30 pm - guest, Rich Terrile, Imaging Team, Rings Theory Formation; Vortex Separation - 18:13 min.
Audience: News Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/28/1981 - 1:06:51

AVC-1981-083-1/1 **Voyager 2 Satellite Feed (Televane Productions)**
5:00 pm
Audience: News
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/28/1981 - 1:00:00

AVC-1981-084-1/1 **Voyager 2 AIR CHECKS - LOG TAPE**
1) NBC TODAY - Brad Smith 8/24/81; 2) NBC TODAY 8/25/81; 3) NBC TODAY 8/26/81; 4) ABC GOOD MORNING AMERICA 8/26/81
Audience: Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
Copyrighted video, obtain permission
08/24/1981 - 0:00:00

AVC-1981-085-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
3:30 pm -w/Al Hibbs - no guest; 6:20 pm - no guest; also, "L.A. WEEK IN REVIEW" KCET CH 28, 6:30 pm; With Frank Bristow and Al Hibbs, JPL PIO; and Clete Roberts and guests in studio; Bob Fuss, UPI Radio; George Alexander; and Charles Kohlhase Mission Design Manager.
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
08/28/1981 - 1:02:20

AVC-1981-086-1/3 **Voyager 2 Saturn Encounter News Briefing - 9:30 am**
Part 1 of 3 - E. Davis - Project Overview; E. Stone - Science Overview; B. Smith - Rings; C. Sagan - Iapetus; L. Esposito - Rings
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
08/29/1981 - 1:00:00

AVC-1981-086-2/3 **Voyager 2 Saturn Encounter News Briefing - 9:30 am**
Part 2 of 3 - N. Ness - Magnetic Fields; D. Chenette - Moon Absorption; H. Bridge - Plasma Torus; T. Krimigis - Energetic Particles; D. Gurnett - Plasma Waves
Audience: Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/29/1981 - 1:00:00

AVC-1981-086-3/3 **Voyager 2 Saturn Encounter News Briefing - 9:30 am**
Part 3 of 3
Audience: Site: von Kármán Aud.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/29/1981 - 0:00:00

AVC-1981-087-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
7:45 am - no guest - 3:00 min.; 9:00 am - guest, Ellis Miner - 13:28 min.; 1:20 pm - guest, Lonnie Lane - 15:30 min.; 2:30 pm - guest, Jim Sullivan - 20:00 min.; 4:30 pm - no guest - 5:00 min.

Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
08/29/1981 - 0:00:00

AVC-1981-088-1/3 **Voyager 2 Saturn Encounter News Briefing - 9:30 am**
Part 1 of 3 - E. Davis - Project Overview; L. Tyler Radio Science; L. Soderblom - Satellites; B. Smith - Imaging Results; J. Romig - Electrostatic Discharges; D. Hamilton - Trapped Radiation ; L. Esposito - Rings; A. Ingersoll - Atmospheres; E. Stone
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
08/30/1981 - 1:00:00

AVC-1981-088-2/3 **Voyager 2 Saturn Encounter News Briefing - 9:30 am**
E. Davis - Project Overview
L. Tyler - Radio Science
L. Soderblom - Satellites
B. Smith - Imaging Results
J. Romig - Electrostatic Discharge
D. Hamilton - Trapped Radiation
L. Esposito - Rings
A. Ingersoll - Atmosphere
Audience: News Site: von Kármán Aud.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/30/1981 - 0:59:53

AVC-1981-088-3/3 **Voyager 2 Saturn Encounter News Briefing - 9:30 am**
Part 3 of 3
Audience: Site: von Kármán Aud.
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
08/30/1981 - 0:24:00

AVC-1981-089-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
7:45 am - 6:00 min.; 9:00 am - 12 min.; 1:30 pm - guest, Nicholas Booth, a student from London - 16 min. discussing Dyager Mission, Uranus and Neptune
Audience: News

Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/30/1981 - 0:29:34

AVC-1981-090-1/1 **Voyager 2 Saturn Reports w/Al Hibbs**
3:30 pm - guest, Gary Hunt, Imaging Team; and Victor Frisbee
Audience: Site: Blue Room
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/30/1981 - 0:21:40

AVC-1981-094-1/1 **STS-1 Post Flight Press Conference Shuttle Columbia**
Film -
Audience: News
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/01/1981 - 0:18:50

AVC-1981-097-1/1 **Voyager 2 Saturn Results**
Ed Stone's Talk - Discussed Voyager Mission Overview of Voyager 2 flyby of Saturn's Satellites.
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/06/1981 - 1:00:00

AVC-1981-103-1/1 **Voyager 2 Saturn Approach Zoom Movie**
Animation made from Voyager images. Images of Saturn.
Audience: Tech.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
08/01/1981 - 0:02:45

AVC-1981-107-1/1 **The Many Faces of the Sun**
Narrated by Dave Glackin
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/12/1981 - 0:31:35

AVC-1981-108-1/1 **VS-4 Voyager 1 Saturn Encounter Computer Animation**
Made for the Planetary Society - VS-4.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
11/01/1981 - 0:05:00

AVC-1981-112-1/1 **Saturn Vortex Street**
Saturn cloud images in movement. By International Laboratories of Atmospheres.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
12/01/1981 - 0:07:40

AVC-1981-113-1/1 **Voyager Saturn Imagery**
his video contains computer animation combined with real data.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
05/01/1981 - 0:14:00

AVC-1981-114-1/1 **Voyager/Saturn Encounter**
NASA Aeronautics and Space Report; Produced by NASA
Audience:
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
12/01/1981 - 0:02:30

AVC-1981-115-1/1 **Columbia Returns to Space**
Aeronautics and Space Report
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/01/1981 - 0:15:10

AVC-1981-116-1/1 **"Voyager/Saturn Encounter" - Aeronautics & Space Report**
Pre-Saturn encounter overview; By Dr. Brad Smith, Imaging Team Leader, Imaging Science.
Audience: Gen.

Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono Mix 2: Mono Mix
05/01/1981 - 0:05:15 Producer: NASA HQ

AVC-1982-004-1/1 **Solar Mesosphere Explorer**
First 3:48 No Sound; Narration unknown.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/01/1982 - 0:01:00

AVC-1982-017-1/1 **The JPL and the Media**
Samples of JPL's News Dissemination Methods during the Saturn Encounter. Inserts from Previous Recordings with Al Hibbs, Voice of Voyager.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/01/1982 - 0:19:20

AVC-1982-018-1/1 **GALILEO: Encounter with the Planet Earth -**
Delta Vega 2+ Trajectory, Galileo Encounter with the Planet Earth -
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
04/01/1982 - 0:22:50

AVC-1982-019-1/1 **Art Conservation Image Processing**
By: JPL and the Los Angeles Museum of Art.
Audience: JPL Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: N/A 2: N/A
04/01/1982 - 0:02:00

AVC-1982-023-1/1 **Change of Directorship Ceremony**
Dr. Bruce Murray ceremony held at JPL Plaza Mall.
Speaker: Dr Harold Brown honors Dr. William Pickering Retirement, 20 years of service; 1954-1976.
Audience: JPL
Client:

Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/31/1976 - 0:29:23

AVC-1982-025-1/1 **Dr. Bruce Murray Farewell Ceremony**
6 years of services as Director; Speaker: Dr. Stanton Avery, Caltech, Founder of Board of Trustees. June 30, 1982.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/30/1982 - 0:35:05

AVC-1982-027-1/1 **Men Encounter Mars**
VTV-12
A black & white movie depicting the reactions and comments of the people involved with Mariner 4's flyby of Mars on July 14, 1965. Includes scenes from the Space Flight Operations Facility, von Kármán Auditorium and other locations at JPL. Some of the Mars images are shown.
Featured are:
Dr. William Pickering, Director JPL
Dan Schneiderman, Flight Project Manager
Jack James, Pre-flight Project Manager
Bill Collier - Deputy Project Manager
John Casani - Systems Manager
Dr. Van Allen - Scientist
Dr. Arvydas Kliore - Scientist
Dr. Robert Layton - Scientist
Dr. Bruce Murray - Scientist
President Lyndon B. Johnson
Audience: Gen. Site: JPL
Client: NASA
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix JPL 684; HQ-149
12/30/1965 - 0:28:22 Producer: Drew Associates

AVC-1982-029-1/1 **LANDSAT "D" Launch Vandenberg AFB**
Switcher/Program (Broadcast) Landsat "D" Launch Vendenberg AFB.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Silent
06/16/1982 - 0:46:40

AVC-1982-042-1/1 **Installation Ceremony of the Director Dr. Lew Allen Jr.**

Speakers: General Charles Terhune and Marvin Goldberger, Caltech President.
October 15, 1982.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/15/1982 - 0:18:51

AVC-1982-043-1/1 **Galileo Antenna Deployment**
Oct. 15, l982
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/15/1982 - 0:11:13

AVC-1982-044-1/1 **Installation Ceremony of the Director Dr. Lew Allen Jr.**
INSERTS: Photo of Dr. Allen from Airman Magazine in uniform.
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/15/1982 - 0:17:00

AVC-1982-045-1/1 **Installation Ceremony of the Director Dr. Lew Allen Jr.**
Live, unedited; Speakers: General Charles Terhune, and Marvin Goldberger, Caltech's President.
Audience: JPL Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/15/1982 - 0:18:33

AVC-1982-048-1/1 **Jupiter the Giant - Saturn the Gem**
Single Screen Version) Slide show.
Audience: Gen.
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/01/1982 - 0:12:00

AVC-1983-001-1/1 **JPL Public Information Archive**
Laser Disc Transfer; Archived Rangers -6,7 and Moon Cameras; A and B, P1,P2,P3 and P4. Over 6, 000 pictures were taken with these cameras. Also clips from Surveyor 7 Landing on

the Moon and Launch.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/01/1982 - 1:02:33

AVC-1983-004-1/1 **IRAS TV CLIP (Film to tape transfer)**
JPL-PIO; News Release
Audience: News
Client:
Master: 3/4" Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/24/1983 - 0:08:00

AVC-1983-005-1/1 **IRAS Launch Jan. 25, l983**
Vandenberg Air Force Base Delta 166 Rocket; Gerald Smith, Project Manager held short Briefing.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Silent
01/25/1983 - 0:06:40

AVC-1983-008-1/1 **JPL STORY - A Tradition of Discovery**
The history of JPL to present day 1983(Film to tape transfer). Segments include history segment with Dr. Al Hibbs, Imaging radar segment with Dr. Charles Elachi, and a telescope segment with Dr. Richard Terrile. Ending of program with Dr. Lew Allen.
Audience: Gen.
Client: PIO
Master: 1"C
Audio 1: Mono mix 2: Mono mix
03/10/1983 - 0:17:17

AVC-1983-009-1/1 **Jupiter Mosaic Maps - Cloud Activity**
(Film to tape transfer)
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/30/1983 - 0:07:33

AVC-1983-010-1/1 **FY 84 Budget**
Galileo Antenna; Viking I Lander; Petroglyphs; Jupiter Map.

Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/01/1983 - 0:00:00

AVC-1983-010-1/1 **JPL HORIZONS**
IRAS, SIR-A; JPL Horizons & FY84
Budget - IRAS, SIR-A
Audience: JPL
Client: Neuhauser
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/01/1983 - 0:18:45 Producer: Bridges

AVC-1983-010-1/1 **FY 84 Budget**
Galileo Antenna; Viking I Lander; Petroglyphs; Jupiter Map.
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/01/1983 - 0:00:00

AVC-1983-011-1/1 **IRAS Launch**
Video & film raw stock
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/25/1983 - 0:06:00

AVC-1983-016-1/1 **Shuttle Imaging Radar Looks at Earth**
(Film to tape transfer) Charles Elachi
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/01/1983 - 0:13:00

AVC-1983-016-1/1 **Shuttle Imaging Radar Looks at Earth**
(Film to tape transfer) Charles Elachi, PI; Shuttle Landing.
Audience: News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/01/1983 - 0:12:23

AVC-1983-017-1/1 **Galileo Antenna Modification**
Engineers are sewing raw material to secure the High Gain Antenna. Narrated by Engineer.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/07/1983 - 0:07:28

AVC-1983-028-1/1 **Shuttle Imaging Radar Looks at Earth**
Charles Elachi, PI; Navigating the Earth's surface from Space and the Shuttle's return and landing.
Audience: Tech. JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/29/1983 - 0:12:10

AVC-1983-032-1/1 **Measuring the Sun: the Active Cavity Radiometer**
Dr. Richard Wilson, SunSpot Solar Energy; Marshall Space Flight Center.
Audience: NASA Resource
Client: , Org. S
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Silent
08/01/1983 - 0:06:26

AVC-1983-033-1/1 **Galileo Antenna Shake Test**
No sound, March 3, 1983.
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/08/1983 - 0:04:00

AVC-1983-034-1/1 **NASA 25th Anniversary**
Film transfer ASR 223
Audience: Gen. NASA Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/01/1983 - 0:50:00

AVC-1983-042-1/1 **International Halley Intercept Movie**
Comet Rendezvous Mission - Inner Solar System : 1984-1986

Audience: Tech.
Client: , Org. JPL
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/01/1983 - 0:32:57

AVC-1983-046-1/1 **President Reagan's Address for NASA'S 25TH Anniversary**
1958-1983; In Washington.
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
/ / - 0:20:37

AVC-1983-047-1/3 **IRAS News Conference**
1 OF 3, Speakers: James Beggs, NASA Administrator, Dr. Edlerson, Mr. Sqibbs, JPL; Mr. Koodman, Dr. Nancy Boggers and others.
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/09/1983 - 1:00:49

AVC-1983-047-2/3 **IRAS News Conference**
2 OF 3
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/09/1983 - 0:56:30

AVC-1983-047-3/3 **IRAS News Conference**
3 OF 3, Q & A Panel Setting; Also, 747-Shuttle Landing.
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Silent
11/09/1983 - 0:53:51

AVC-1984-005-1/1 **"VOYAGER" - 1984 (The Movie)**
VTV-3 Narrated story of the twin Voyager spacecraft's encounters with Jupiter, Saturn and their moons. Scenes from JPL news room, mission control, and science conferences. Contains result images, and computer and cell animations. Produced for JPL by Graphic Films Corp.

Audience: Gen. Resource
Client: Bristow
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix JPL 111
Film - Transferred 9/4/84
01/01/1984 - 0:25:00 Producer: Les Novros/Bristow

AVC-1984-007-1/1 **1984 MARS ROVER PROTOTYPE**
(Film to tape transfer) Demonstration of Rover Prototype climbing rocks and slops.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/01/1983 - 0:08:00 Producer: Garrett Pane

AVC-1984-011-1/1 **Comet Halley: Here it Comes Again**
PIO
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/02/1983 - 0:20:06 Producer: John Gerber Gen Ent.

AVC-1984-013-1/1 **IRAS Briefing Film Produced by Vandenberg AFB**
Produced by Gene Langenfeld and Jim Morr; 1369th Audio visual Squadron, Vandenberg AFB.
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
02/01/1984 - 0:10:28

AVC-1984-014-1/1 **Galileo Probe: Delivery to JPL**
Joel Harris
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
02/01/1984 - 0:05:00

AVC-1984-015-1/1 **Formation of the Solar System**
ANIMATION SEQUENCE
Audience:
Client:
Master: 3/4" Submaster: DVCPro25

Audio 1: Silent 2: Silent
Slight film print imperfection
02/01/1984 - 0:03:16

AVC-1984-016-1/1 **LAUNCH OF LANDSAT 1984**
Tom Jaqua, March 1, 1984
(Range Safety Camera View)
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
02/01/1984 - 0:50:00

AVC-1984-020-1/1 **Remote Possibilities**
Film about Landsat (Film to tape transfer of HQ 280)Images seen Remotely from oscillating mirrors.
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/01/1977 - 0:15:07 Producer: Richard Evan

AVC-1984-022-1/1 **the Active Cavity Radiometer**
News Clip: Dr. Richard Wilson describing the radiometer internal components in relationship to studying the Sun and it's spots.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/01/1984 - 0:03:13

AVC-1984-025-1/1 **VOYAGER: URANUS AND NEPTUNE**
An Overview by Dr. Ed Stone
Audience: Gen. Site: von Kármán
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/01/1984 - 1:02:14

AVC-1984-026-1/1 **Viking Orbiter and Lander Animation**
Animation - "CENTAUR IUS STOCK FOOTAGE"
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent

03/01/1984 - 0:04:28

AVC-1984-027-1/1 **GOLDSTONE ANTENNA**
Stock Footage
Audience: JPL
Client: G. Harms
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/01/1984 - 0:09:56

AVC-1984-028-1/1 **VIKING ON MARS**
VTV-17 Videotape Transfer of the 3 35mm slide projector multi-media presentation. James Earl Jones narrates this historical look at Mars through the years and the Viking Mars Project.
Audience: Gen.
Client: Neurale
Master: 3/4" Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/06/1984 - 0:16:40

AVC-1984-037-1/1 **Aeronautical Oddities**
Film transfer of JSC 795. Old newsreel documents the successes and failures of early aeronautical oddities. (Film is in Black & White.)
Audience: JPL Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/01/1979 - 0:16:30

AVC-1984-042-1/1 **VOYAGER TO NEPTUNE**
Computer Animation
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/1984 - 0:05:00

AVC-1984-050-1/1 **THE JPL STORY**
(Film to tape transfer)
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/01/1984 - 0:15:00

AVC-1984-053-1/1 **SOLAR MAX REPAIR MISSION**
(Martin Marietta) MMU - Test Facility Man Maneuver Unit.
Bruce McCandness, Astronaut.
Audience: Tech.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/01/1984 - 0:07:12

AVC-1984-061-1/1 **"Mariner '69" & "Mars the Search Begins"**
Film transfers: 21:00 min. and 28:00 min.
Narrated Film
Audience: Gen.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/01/1984 - 1:02:36 Producer: JPL

AVC-1984-062-1/1 **Mercury: Exploration of A Planet & Planet Mars**
Film to Tape Transfer.
Produced by an outside producer.
Audience: JPL Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/01/1984 - 0:25:00

AVC-1984-062-1/1 **Mercury: Exploration of A Planet & Planet Mars**
(JPL 1046) By: Bruce Murray; Introduction
Viking Missions 1 and 2; Mariner's Missions 4,6 & 9.
Produced by: Graphic Films Corp.
Audience: JPL Resource
Client:
Master: DVCPro25 Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/01/1984 - 0:52:18 Producer: Graphic Films Corp.

AVC-1984-062-1/2 **"Mercury: Exploration of a Planet" (JPL 1046) & "Planet Mars"**
(JPL 1046) Plus Planet Mars by Bruce Murray, Lab Dir.
Introduction Viking Mars Mission; Mariner's 4,6 and 9 and
Viking 1 & 2.
Audience: Gen.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

08/01/1984 - 0:52:18 Producer: Graphic Films Corp.

AVC-1984-062-2/2 **Planet Mars - 1979**
An intriguing story of the exploration of our celestial neighbor from the beginning through the Seventies; early investigation by telescope, Mariner spacecraft, the Viking Orbiters, and the landing of Viking robotic Landers on the Martian surface. Included are scenes from the JPL control room during the first landing. Using animation and actual images, theories of how the planet was formed are explained. The influences weather, meteorites, volcanism on the surface. The difficulties of life detection were discussed. Appearing in the film: A. Thomas Young, James Martin, Ronald Greenly and Harold P. Klien. Produced by Lester Novros of Graphic Films for NASA.
Audience: Gen.
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix JPL 1078
08/01/1984 - 0:28:30 Producer: Graphic Films

AVC-1984-064-1/1 **Galileo Vibration Tests**
(Sound)
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
10/02/1984 - 0:03:00

AVC-1984-065-1/1 **SHUTTLE IMAGING RADAR-B**
News Clip; Second Flight, Dr. Charles Elachi demonstrated the Radar capabilities.
Audience: Gen.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
10/01/1984 - 0:06:00

AVC-1984-067-1/1 **Goldstone Antenna Animation**
Silent
Audience: Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/01/1984 - 0:01:00

AVC-1984-081-1/1 **SIR-B Imagery**
Montreal Canada - Charles Elachi.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
10/07/1984 - 1:00:56

AVC-1984-082-1/1 **SIR-B Imagery**
Montreal Canada, Color Exposure - Charles Elachi
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
10/07/1984 - 0:02:58

AVC-1984-086-1/1 **SIR-B Imagery**
STS-41G - Charles Elachi - Montreal, Orbit 37, Quebec 37, Ecuador, Orbit 39, Maine 37; Peru
Orbit 39.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
10/10/1984 - 0:06:25

AVC-1984-088-1/1 **SIR-B**
Quick Look-Mission & Results, 10/5/84 - 10/13/84
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
10/20/1984 - 0:05:00

AVC-1985-002-1/1

Comets: Windows Into Time
Original version; NOTE: Film-to-tape transfer
Audience: Tech. JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/01/1981 - 0:07:12 Producer: Frank Bristow

AVC-1985-003-1/1 **Comets: Windows Into Time**
Jan. 1985 version
Audience: Tech. JPL

Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/01/1985 - 0:04:30

AVC-1985-005-1/1 **Excerpts from Voyager 2 - Saturn Encounter**
1. NASA News Net; Voyager 2-Saturn 81. 2. News Room; 3. Blue Room w/ Al Hibbs, Voice of Voyager;
Guest: Dr. Ed Stone, Voyager Project Scientist and Richard Laser, Mission Director.
Audience: JPL NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/01/1985 - 0:13:00

AVC-1985-008-1/1 **IRAS - Space Technology from the Netherlands**
Join by the United States and Great Britain.
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/01/1985 - 0:24:12

AVC-1985-011-1/1 **Galileo Mission to Jupiter**
(Film-to-tape transfer)
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/1985 - 0:05:00

AVC-1985-013-1/1 **Galileo: Move from Spacecraft Assembly**
Facility to Spacecraft Simulator (film-to-tape transfer)
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
12/01/1984 - 0:06:30

AVC-1985-045-1/1 **Excimer Laser Excerpts**
Dr. Jim Laudenslager, JPL; President Ragan State of the Union Address. ABC Newsnight Line - Laser bypass Surgery.
Audience: Gen. NASA News
Client:
Master: 3/4" U Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
08/01/1985 - 0:16:40

AVC-1985-047-1/1 **Jupiter Magnetosphere**
(Film to tape transfer)
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/01/1985 - 0:03:16 Producer: JPL Comp GraphicsLab

AVC-1985-048-1/1 **Galileo Spin Test**
(no description)
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
08/01/1985 - 0:04:00

AVC-1985-051-1/1 **Drop Dynamics Module**
SPACELAB 3 - Taylor Wang
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/01/1985 - 0:03:35

AVC-1985-058-1/1 **IRAS Map of the Galaxy**
Silent - C. Beichman
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
05/01/1985 - 0:05:11

AVC-1985-061-1/2 **RTG Handling**
Tape 1 of 2 - (Raw Stock) F. Locatel
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
04/23/1985 - 0:20:05

AVC-1985-061-2/2 **RTG Handling**
ape 2 of 2 - (Raw Stock) F. Locatel; 4 -25-85, Raw Stock.
Audience: JPL

Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
04/23/1985 - 0:06:26

AVC-1985-063-1/1 **Mission Excerpts**
Drop Dynamics Module - Spacelab 3 -Taylor Wang
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/10/1985 - 0:11:22

AVC-1985-065-1/2 **TAYLOR WANG - WELCOME HOME CEREMONY**
Held at JPL Mall
Audience: Gen.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/10/1985 - 0:25:02

AVC-1985-065-2/2 **TAYLOR WANG - WELCOME HOME CEREMONY**
C2M (Raw) 5/10/85
Audience: Gen.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/10/1985 - 0:14:00

AVC-1985-066-1/2 **Taylor Wang - Press Conference**
Tape 1 of 2 - NOTE: Camera problems in first few minutes.
Audience: News Site: von Kármán Aud
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/10/1985 - 0:20:47

AVC-1985-066-2/2 **Taylor Wang - Press Conference**
Tape 2 of 2
Audience: News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
05/10/1985 - 0:19:08

AVC-1985-067-1/16 **Drop Dynamics Module**

Taylor Wang Spacelab 3 - Part 1 of 16
Audience: Gen.
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
04/29/1985 - 0:59:00

AVC-1985-067-2/16 **Drop Dynamics Module**
Part 2 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
04/29/1985 - 1:00:51

AVC-1985-067-3/16 **Drop Dynamics Module**
Part 3 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
04/29/1985 - 0:62:34

AVC-1985-067-4/16 **Drop Dynamics Module**
Part 4 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
04/29/1985 - 0:52:54

AVC-1985-067-5/16 **Drop Dynamics Module**
Part 5 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
04/30/1985 - 0:63:00

AVC-1985-067-6/16 **Drop Dynamics Module**
Part 6 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/01/1985 - 0:63:00

AVC-1985-067-7/16 **Drop Dynamics Module**
Part 7 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/01/1985 - 0:50:55

AVC-1985-067-8/16 **Drop Dynamics Module**
Part 8 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/02/1985 - 0:52:56

AVC-1985-067-9/16 **Drop Dynamics Module**
Part 9 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/02/1985 - 0:59:53

AVC-1985-067-10/1 **Drop Dynamics Module**
Part 10 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/02/1985 - 0:63:00

AVC-1985-067-11/1 **Drop Dynamics Module**
Part 11 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/03/1985 - 0:54:06

AVC-1985-067-12/1 **Drop Dynamics Module**
Part 12 of 16
Audience:
Client:
Master: 3/4" U

Audio 1: Mono mix 2: Mono mix
05/03/1985 - 0:51:51

AVC-1985-067-13/1 **Drop Dynamics Module**
Part 13 of 16 - 5/3-4/85
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/04/1985 - 0:49:03

AVC-1985-067-14/1 **Drop Dynamics Module**
Part 14 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/06/1985 - 0:21:15

AVC-1985-067-15/1 **Drop Dynamics Module**
Part 15 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/06/1985 - 0:56:53

AVC-1985-067-16/1 **Drop Dynamics Module**
Part 16 of 16
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
05/06/1985 - 0:08:21

AVC-1985-068-1/1 **Drop Dynamics Module Mission Excerpts**
Early Version
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/10/1985 - 0:06:23

AVC-1985-069-1/1 **Excimer Laser**
Stock Video - (Raw) - Jim Laudenslager demonstrates the Laser capabilities.

Audience: Tech. JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/01/1995 - 0:13:37

AVC-1985-071-1/1 **KSC R.T.G. Handling**
Rough Edit; KSC RTG Handling; Rough Edit - walk thru, JPL Galileo - Hardware RTG.
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
06/01/1985 - 0:49:42

AVC-1985-087-1/1 **ULYSSES - RTG Handling Walk-thru**
John Kayele - Mechanical Engineer, Ulysses Spacecraft; Walk Thru.
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/08/1985 - 0:50:22

AVC-1985-089-1/1 **Mean Cloud Cover and Altitude**
Kevin Hussey (film-to-tape transfer) Animation Processing.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: NO SOUND 2: NO SOUND
07/08/1985 - 0:10:18

AVC-1985-090-1/4 **RTG Handling**
Tape 1 of 4 - Videotaped by KSC
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/09/1985 - 1:00:00

AVC-1985-090-2/4 **RTG Handling**
Tape 2 of 4 - Videotaped by KSC
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

07/09/1985 - 1:00:00

AVC-1985-090-3/4 **RTG Handling**
Tape 3 of 4 - Videotaped by KSC
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/09/1985 - 1:00:00

AVC-1985-090-4/4 **RTG Handling**
Tape 4 of 4 - Videotaped by KSC
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/09/1985 - 0:25:48

AVC-1985-093-1/1 **MEN ENCOUNTER MARS**
film to tape transfer; July 1965 in Black & White
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/1985 - 0:28:42

AVC-1985-101-1/2 **President Li at the Jet Propulsion Laboratory**
Part 1 of 2 - Introduction Ceremony; followed by a tour of the LAB. (He had an Interpreter to translate).
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/15/1985 - 0:17:00

AVC-1985-101-2/2 **President Li at JPL (SAF)**
Part 2 of 2; President Li visited the SFOF, John Casani explained the Galileo Spacecraft and Launch and planetary encounters, time and dates - He also viewed some of the other hardware of the Spacecraft.
Audience: JPL Site: von Kármán Aud
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/29/1985 - 0:25:11

AVC-1985-103-1/1 **Welcome to Outer Space - 1985**
3 Projector, single screen version of a slide show about the history and future of JPL, 1985.
Phil Neuhauser Executive Producer.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/01/1985 - 0:23:26 Producer: Phil Neuhauser

AVC-1986-002-1/1 **Ulysses Mission to the Sun**
VTV-4
NOTE: Channels 1 and 2 audio in mono
Audience: Gen.
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/15/1985 - 0:08:53

AVC-1986-003-1/1 **Halley's Comet Mission Animations**
10/23/85 - 21:30 min.; Animation
Audience: Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: No Sound 2: No Sound
10/13/1985 - 0:21:33

AVC-1986-004-1/1 **Voyager - Tour of Jupiter and Saturn**
Edited Version - Channel 1: Effects, Channel 2: Narration by Al Hibbs, Voice of Voyager.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
10/27/1985 - 0:06:26

AVC-1986-006-1/1 **"Halley Comet Mission Animation" & "Comets, Window Into Time"**
Raw animations (silent):
00:08 Planet-A Spacecraft View
00:49 MS-T5 Spacecraft View
01:30 VEGA-2 Spacecraft View
02:12 GIOTTO Spacecraft View
02:57 VEGA-1 Spacecraft View
03:36 VEGA-1 Spacecraft View (double frame, slow)
04:34 VEGA-2 Spacecraft View (fast)
05:08 VEGA-1 Spacecraft View (slow)
06:22 VEGA-1 Spacecraft View (fast)

06:59 Cometary Plasma Tail Simulation
08:20 Halley Orbit in Solar System
09:48 Halley Orbit in Solar System (fast)
11:31 1986 Halley - Earth View
12:40 1986 Halley - Earth View (fast)
13:25 1910 Halley - Earth View
14:29 1910 Halley Tail Brushing Earth (slow)
14:51 1986 Pathfinder Spacecraft Trajectories
16:08 JPL 1082 - "Comets, Window Into Time"
This film describes a proposed space mission to flyby Halley's comet in 1985 and a rendezvous with comet Tempel 2 in 1988. The mission will be the first to use the solar electric propulsion system.
Color/Sound, 4 1/2 min.
Audience: Gen.
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono 2: Mono
11/13/1985 - 0:20:35 Producer: JPL

AVC-1986-009-1/1 **Uranus and Satellites Rotation Movie**
VU-1 - 11/6&7/85; A film of Uranus Satellites rotating in orbit around Uranus.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
11/07/1985 - 0:03:33

AVC-1986-010-1/1 **"Voyager Encounters Uranus" & "Voyager Encounters Neptune"**
VTV-31 (VU-4) Computer Graphics - Jim Blinn
Audience: Gen.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
12/07/1985 - 0:06:48

AVC-1986-011-1/1 **Voyager/Uranus Press Briefing**
NASA Headquarters - Speakers: Dr. Burton I. Edelson, Dr. Richard Laeser, Dr. Edward Stone, Dr. Michael Kaiser, Dr. Brad Smith
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/03/1985 - 1:06:00

AVC-1986-016-1/1 **Dynamics of the IO Sodium Cloud**
Note: Film-to-tape transfer.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: No Sound 2: No Sound
01/01/1986 - 0:04:52 Producer: B.A. Goldberg

AVC-1986-017-1/1 **Tour of Goldstone**
Selected stock footage for on-site narration on DSS-11 -Pioneer; DSS-12 -ECHO; DSS-13 - Venus; DSS-14 - Mars; DSS-15 -; DSS-16 - STSCOM.
Audience: Tech. JPL Site: Goldstone
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/08/1986 - 0:06:50

AVC-1986-020-1/1 **THE DSN STORY - 1978**
Tells the Deep Space Network story from 1958 to early 70s (JPL 1068 tape to film transfer) Goldstone, Australia, Spain.
Audience: Gen. Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix JPL 1068
12/20/1985 - 0:12:26 Producer: Photo Lab

AVC-1986-022-1/1 **Voyager at Uranus**
Press release, Jurrie van der Woude narration.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/06/1986 - 0:08:40

AVC-1986-024-1/1 **Composite of Voyager 1 Saturn Films**
Voyager 1 Encounters Saturn: - Computer Simulation - Saturn Encounter 1980 - Rings Rotation - Rotation Movie - Ring Movie
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: No Sound 2: No Sound
01/14/1986 - 0:15:03

AVC-1986-025-1/1 **Voyager 1 Launch - Close up**
NOTE: Film-to-tape transfer
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: No Sound 2: No Sound
09/05/1977 - 0:13:54

AVC-1986-026-1/1 **Voyager 1 Launch - Long Shot**
NOTE: Film-to-tape transfer, very grainy
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
09/05/1977 - 0:05:39

AVC-1986-027-1/1 **Probing the Clouds of Venus**
Charles S Hall - Project Manager discussed probe Models;
Narrated by George Rye.
Produced by the Ames Research Center Film #NAV-036 (JPL 1069) Pre-launch film describing the Pioneer Venus Mission. Artist rendering of the expected surface of Venus. (Pioneer Venus 1, Venus orbiter, launched 5/20/78, arrived 12/4/78. Pioneer Venus)
Audience: Gen.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/01/1978 - 0:19:36

AVC-1986-028-1/1 **Voyager 2 Encounters Uranus (VU-4)**
Narration by Charles Kohlhase
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/20/1986 - 0:07:00

AVC-1986-029-1/1 **Halley's Comet Animations**
Animation Only - Jim Blinn - Special;
1910 Orbit – Close View
1986 Orbit – Close View
Vega 1, Plane -1-A; - Vega 2, MST-5, Giotto
Audience: Gen.
Client:

Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/01/1986 - 0:07:15

AVC-1986-030-1/1 **DSN/AUSTRALIA: PARKS**
NOTE: Film-to-tape transfer
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
01/21/1986 - 0:32:06

AVC-1986-031-1/1 **"Voyager 2 Encounters Uranus" (VU4) & " Uranian Moons"**
Voyager releases
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/20/1986 - 0:00:00

AVC-1986-032-1/1 **Uranus Animation**
Narration by Charles Kohlhase
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/19/1986 - 0:05:00

AVC-1986-033-1/1 **Voyager 1 Launch - September 5, 1977**
Three camera angles.
Raw footage, film to tape transfer made 1/17/86.
Audience: Resource Site: KSC
Client:
Master: 1"C
Audio 1: Silent 2: Silent
01/17/1986 - 0:13:50 Producer: KSC

AVC-1986-034-1/2 **Voyager at Uranus - Press Conference**
Part 1 of 2 - Welcome: Dr. Lew Allen, JPL Director and Dr. Burton Edelson, Associate Director for NASA,
Panel: Ed Stone, Spacecraft Overview;
Dick Laeser, Mission Director, Spacecraft Mechanics;
Brad Smith, Imaging Team Leader, University of Arizona..

Audience: News Site: von Kármán Aud
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/22/1986 - 1:02:45

AVC-1986-034-2/2 **Voyager at Uranus - Press Conference**
Part 2 of 2; Brad Smith continues, Imaging Team Leader, Follow by Q & A Setting.
Audience: News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/22/1986 - 0:32:29

AVC-1986-035-1/1 **Voyager at Uranus - Blue Room Update**
8:00am - No guest, 9:00am - Al Hibbs, Voice of Voyager, Charles Kohlhase, Spacecraft Design; 12:00pm - Torrence Johnson, Imaging Team.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/22/1986 - 0:46:11

AVC-1986-036-1/1 **Voyager at Uranus - Blue Room Update**
1:00pm - Von Eshelman, 2:00pm - Rich Terrile; 3:00pm - Gary Hunt
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/22/1986 - 0:40:40

AVC-1986-037-1/1 **Voyager at Uranus - Blue Room Update**
4:00pm - Donna Pivirotto, 5:00pm - Dick Laeser
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/22/1986 - 0:17:19

AVC-1986-038-1/2 **Voyager at Uranus - News Briefing - 1/23/86**
Part 1 of 2 - PANEL: Brad Smith, Ed Stone, Dick Laeser
Audience:
Client:

Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/23/1986 - 1:00:00

AVC-1986-038-2/2 **Voyager at Uranus - News Briefing - 1/23/86**
Part 2 of 2
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/23/1986 - 0:20:00

AVC-1986-039-1/1 **Voyager at Uranus - Blue Room Update**
8:00am - No guest, 9:00am - Lonnie Lane; 12:00pm - Michael Kaiser
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/23/1986 - 0:35:00

AVC-1986-040-1/1 **Voyager at Uranus - Blue Room Update**
Part 1 of 2: 1:00pm - Fred Scarf, 2:00pm - Don Gray; 3:00pm - Andy Ingersoll; 4:00pm - No guest
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/23/1986 - 1:00:00

AVC-1986-041-1/1 **Voyager at Uranus - NASA SCIENCE REPORT**
Televane Productions
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/23/1986 - 1:00:00

AVC-1986-042-1/1 **Voyager at Uranus - NEWS BRIEFING - 1/24/86**
PANEL: Dick Laeser, Brad Smith, Edward Stone, John Belcher, Norman Ness
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/24/1986 - 0:88:00

AVC-1986-043-1/1 **Voyager at Uranus - Blue Room Update**
4:00pm - Bill McLaughlin
Audience: News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/1986 - 0:10:00

AVC-1986-044-1/1 **Voyager at Uranus - Blue Room Update**
8:00am - Donna Pivirotto, 9:00am - Rudy Hanel; 12:00pm - Mario Acuna - no time code on 12:00 pm
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/24/1986 - 0:02:00

AVC-1986-045-1/1 **Voyager at Uranus - NASA SCIENCE REPORT - 1/24/86**
Live updates
Audience: News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/1986 - 1:00:00 Producer: Televane Productions

AVC-1986-046-1/1 **Voyager at Uranus - Blue Room Update**
1:00pm - Darrell Strober, 2:00pm - Hal Masursky; 3:00pm - Laurence Soderblom; Recorded Closest Approach at 12:45pm
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/24/1986 - 0:55:00

AVC-1986-048-1/2 **Voyager at Uranus - NEWS BRIEFING - 1/25/86**
Part 1 of 2 - PANEL: Richard Laeser, Brad Smith, Rudolf Hanel, Norman Ness, Edward Stone, Lyle Broadfoot, Laurence Soderblom
Audience: News
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/25/1986 - 1:00:00

AVC-1986-048-2/2 **Voyager at Uranus - NEWS BRIEFING - 1/25/86**

Part 2 of 2
Audience: News
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/25/1986 - 0:28:00

AVC-1986-049-1/1 **Voyager at Uranus - Blue Room Update**
8:00am - D. Pivirotto, 9:20 & 9:40am - J. Cuzzi, 8:30 & 9:00am - R. Terrile, 12:10pm - R. Strom
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/25/1986 - 0:06:00

AVC-1986-050-1/1 **Voyager at Uranus - Blue Room Update**
12:40 & 1:00pm - Hal Masursky, 1:20 & 1:40pm - Bob Strom, 2:00 - Gary Hunt
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/25/1986 - 0:56:40

AVC-1986-051-1/1 **Voyager at Uranus - Blue Room Update**
2:20pm - Gary Hunt, 2:40, 3:00 & 3:20pm - Laurence Soderblom; 5:40pm - Bob Brown
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/25/1986 - 0:54:00

AVC-1986-052-1/1 **Voyager at Uranus - NEWS BRIEFING - (Special) 1/26/86**
Lew Allen, Burton Edelson
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/26/1986 - 0:30:00

AVC-1986-053-1/4 **Voyager at Uranus - NEWS BRIEFING - 1/26/86**
Part 1 of 4 - PANEL: Richard Laeser, Brad Smith, Laurence Soderblom, Bill Sander, Sim Krimigis, David Chenette, Arthur Lane, Fred Scarf, Edward Stone

Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/26/1986 - 0:95:00

AVC-1986-053-2/4 **Voyager at Uranus - NEWS BRIEFING - 1/26/86**
Part 2 of 4
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/26/1986 - 0:34:00

AVC-1986-053-3/4 **Voyager at Uranus - NEWS BRIEFING - 1/26/86**
Part 3 of 4
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/26/1986 - 0:32:19

AVC-1986-053-4/4 **Voyager at Uranus - NEWS BRIEFING - 1/26/86**
Part 4 of 4
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/26/1986 - 0:07:18

AVC-1986-054-1/1 **Voyager at Uranus - NASA SCIENCE REPORT - 1/26/86**
Televane Production
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/26/1986 - 1:00:00

AVC-1986-055-1/2 **Voyager at Uranus - Blue Room Update**
Part 1 of 2 - 4:00pm - Bob Brown, 5:00pm - Andy Ingersoll, 4:20 & 4:40pm - R. Terrile, 5:20pm - Toby Owen, 5:40pm - Andre Brahic
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix

01/25/1986 - 0:80:00

AVC-1986-055-2/2 **Voyager at Uranus - Blue Room Update**
Part 2 of 2 - 7:00pm - David Morrison, 6:00pm - Reta Beebe, 8:00pm - No Guest
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/25/1986 - 0:21:50

AVC-1986-056-1/2 **Voyager at Uranus - NEWS BRIEFING - 1/27/86**
Part 1 of 2 - PANEL: James Warwick, Lyle Broadfoot, Barney Conrath, Len Tyler, Andy Ingersol, Laurence Soderblom, Edward Stone
Audience:
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
01/27/1986 - 0:00:00

AVC-1986-056-1/1 **Voyager at Uranus - NASA SCIENCE REPORT - 1/28/86**
"Summary" - Televane Production - live to NASA Select TV
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/28/1986 - 1:00:00

AVC-1986-056-2/2 **Voyager at Uranus - NEWS BRIEFING - 1/27/86**
Part 2 of 2
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/27/1986 - 0:40:30

AVC-1986-057-1/1 **Voyager at Uranus - Blue Room Update**
8:00 a.m. No guest, 9:40 a.m. No guest, 1:00 p.m. David Chenette, 2:00 p.m. Jeff Cuzzi 3:00 p.m. Hal Masursky, 3:35 p.m. Carolyn Porco (No audio: First 7 seconds into blue room)
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix

01/26/1986 - 0:54:00

AVC-1986-058-1/1 **Voyager at Uranus - NASA SCIENCE REPORT - 1/27/86**
Televane Production - live to NASA Select TV
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/27/1986 - 1:00:00

AVC-1986-059-1/1 **Voyager at Uranus - NASA SCIENCE REPORT - 1/27/86**
Televane Production - live to NASA Select TV
Audience: News
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/27/1986 - 1:00:00

AVC-1986-060-1/1 **Voyager at Uranus - Blue Room Update**
3:35 p.m. - Carolyn Porco, 4:00 p.m. - Ray Morris
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/26/1986 - 0:14:50

AVC-1986-061-1/1 **Voyager at Uranus - Blue Room Update**
8:00 a.m. & 9:00 - No guest, 12:10 p.m. - Hal Masursky, 1:00 p.m. - Don Sweetnam
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/27/1986 - 0:49:20

AVC-1986-062-1/1 **Voyager at Uranus - Blue Room Update**
2:00 p.m. - Gary Hunt, 3:00 p.m. - David Morrison, 4:00 p.m. - Dave Smith
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/27/1986 - 0:34:50

AVC-1986-063-1/1 **Voyager at Uranus - Blue Room Update**
8:00 a.m. No guest; "SPECIAL" - SPACE SHUTTLE TRAGEDY

(without explosion)
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
/ / - 0:00:00

AVC-1986-063-1/1 **Voyager at Uranus - Blue Room Update**
8:00 a.m. - No guest
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
01/28/1986 - 0:07:00

AVC-1986-064-1/3 **STS-51L Launch Tragedy (Challenger)**
Recorded live NASA feed (very few words said)
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/28/1986 - 0:11:05

AVC-1986-064-2/3 **STS-51L (Challenger) Views of Explosion from Kennedy Space Center**
Shuttle exploded shortly after liftoff.
Crew: Fracis R. Scobee, Michael J. Smith, Judith A. Resnik, Ellison S. Onizuka, Ronald E. McNair, Gregory Jarvis, S. Christa McAuliffe (teacher).
Payload: TDRS-B/IUS, SPARTAN-203/Halley,
Part 1 of 2
Audience: NASA Resource Site: KSC
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
01/28/1986 - 1:00:00 Producer: KSC

AVC-1986-064-3/3 **STS-51L (Challenger) Views of Explosion from Kennedy Space Center**
Part 2 of 2
Audience: Site: KSC
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
01/28/1986 - 0:36:00 Producer: KSC

AVC-1986-065-1/2 **Voyager at Uranus - NEWS BRIEFING - Final**
Part 1 of 2 - Address by: Dr. Lew Allen; Panel: Len Tyler,

Arthur Lane, Charles Hord, Fran Bagenol, Larry Esposito, James Trainor, Jeff Cuzzi, Larry Soderblom. NOTE: Final briefing with credits rolled at end.
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/29/1986 - 0:96:00

AVC-1986-065-2/2 **Voyager at Uranus - NEWS BRIEFING - Final**
Part 2 of 2
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
01/29/1986 - 0:52:44

AVC-1986-066-1/1 **Space Shuttle Tragedy News Conference**
Kennedy Space Center - Hugh Harris and Jess Moore
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/28/1986 - 0:27:00

AVC-1986-067-1/1 **Vice Presidential News Conference Space Shuttle Tragedy**
Kennedy Space Center - George Buck, Sen. John Glenn, Sen. Jake Garn and Vice President Bush.
Audience: News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/28/1986 - 0:06:40

AVC-1986-068-1/1 **President Reagan's Address to the Nation about the Space Shuttle Tragedy**
Off air
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
01/28/1986 - 0:04:00

AVC-1986-069-1/1 **Space Shuttle Tragedy wrap-up News Conference**
Kennedy Space Center - 24 hours after incident - Mission 51L
Panel Setting Q & A.

Audience: NASA News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/29/1986 - 0:52:56

AVC-1986-071-1/2 **Memorial Service for the Challenger Space Shuttle Crew**
From Johnson Space Center. Part 1 of 2
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/13/1986 - 1:02:38

AVC-1986-071-2/2 **Memorial Service for the Challenger Space Shuttle Crew**
From Johnson Space Center. Part 2 of 2
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/13/1986 - 0:06:27

AVC-1986-072-1/1 **Voyager Uranus Release Video**
1. VOYAGER AT URANUS - VU-3: 8:40 min. Narrated by Vic Perrin.
Audience: Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
/ / - 0:08:01

AVC-1986-073-1/1 **Voyager II Encounters Uranus- VU-4**
Release video
Audience: Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/31/1986 - 0:05:30

AVC-1986-074-1/1 **Uranus Moons**
Voyager 2 release video
Audience: Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/21/1986 - 0:01:15

AVC-1986-075-1/1 **Voyager II Encounters Uranus - VU-4 (with freeze frames)**
Release video
Audience: Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/31/1986 - 0:10:40

AVC-1986-076-1/1 **Voyager II Encounters Uranus - VU-4 and Uranian Moons**
Release video
Audience: Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/31/1986 - 0:07:33

AVC-1986-077-1/1 **VOYAGER II Logo for the Uranus Encounter**
NOTE: Good logo's at 10:00 min. and 14:00 min With music
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/31/1986 - 0:16:34

AVC-1986-078-1/3 **Uranus Computer Graphics Slides**
Part 1 of 3 - Jim Blinn Volume #1-20 slides
Audience: Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/31/1986 - 0:29:16

AVC-1986-078-2/3 **Uranus Computer Graphics Slides**
Part 2 of 3 - Jim Blinn Volume #2-19 slides
Audience: Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
01/31/1986 - 0:27:40

AVC-1986-078-3/3 **Uranus Computer Graphics Slides**
Part 3 of 3 - Jim Blinn Volume #3 Slides from Blue Room of Uranus and Rings
Audience: Resource
Client:

Master: 3/4" U
Audio 1: Silent 2: Mono mix
01/31/1986 - 0:29:45

AVC-1986-079-1/1 **Voyager at Uranus (VU-3) (With Narration)**
Release video Animation Rendition; Audio is very faint.
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/02/1986 - 0:08:47

AVC-1986-081-1/1 **Voyager UTC M 3 Clock**
Voyager/Uranus Encounter, The Countdown
Audience: Tech.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/06/1986 - 0:20:00

AVC-1986-082-1/1 **Message from William R. Graham to All NASA Employees**
Regarding Space Shuttle Tragedy
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/07/1986 - 0:04:05

AVC-1986-111-1/1 **HALLEY'S COMET**
VTV-18 Public Information Office
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
03/06/1986 - 0:06:30

AVC-1986-113-1/1 **Uranus and Moons -- Raw Buildups**
Silent - Marian Inova
Audience: Tech.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/06/1986 - 1:02:32

AVC-1986-114-1/1 **Goldstone Antennas**
DSS 14 and DSS 15. NOTE: Film to tape transfer

Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/06/1908 - 0:21:31

AVC-1986-114-1/1 **Goldstone Antennas**
DSS 14 and DSS 15. NOTE: Film to tape transfer
Audience:
Client:
Master: 3/4" U Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/06/1908 - 0:00:00

AVC-1986-114-2/1 **Goldstone Antennas**
DSS 14 and DSS 15. NOTE: Film to tape transfer
Audience:
Client:
Master: 3/4" U Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/06/1908 - 0:00:00

AVC-1986-126-1/1 **Comet Rendezvous**
New Version
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/04/1986 - 0:08:00

AVC-1986-131-1/1 **VOYAGER II AT URANUS**
Final Press Conference from the Baltimore Convention Center
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
05/19/1986 - 0:90:00

AVC-1986-133-1/1 **The Unveiling of Venus**
Film Transfer, VOIR: Time Code Visible on Tape Transfer.
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/09/1986 - 0:16:04

AVC-1986-136-1/1 **VOYAGER II AT URANUS: An Overview by Ed Stone**
VTV-6 Voyager II at Uranus: An Overview by Ed Stone.
Audience: Gen. Site: 186-Studio
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/17/1986 - 0:45:00

AVC-1986-137-1/1 **Halley's Comet Encounter and Giotto's Images of Halley**
European Space Agency live coverage of Spacecraft Giotto's encounter with Halley's Comet. Coverage came by satellite to Goddard TV which then uplinked the signal to NASA TV.
Note: First 2:51 minutes are audio only, no video
Audience:
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/13/1986 - 0:55:00

AVC-1986-138-1/1 **Telerobotic Demonstrator**
Wayne Zimmerman. Ch. 1, Effects - Ch. 2, Narration
Audience:
Client:
Master: 3/4" Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
05/01/1986 - 0:12:30

AVC-1986-138-1/1 **Time code simulated 1987 satellite servicing sequence**
No audio
Audience:
Client:
Master: 1" IVC
Audio 1: Mono mix 2: Mono mix
05/01/1986 - 0:07:00

AVC-1986-141-1/1 **Pioneering the Space Frontier**
An Exciting Vision of Our Next Fifty Years In Space. Video Highlights of the Report of The National Commission on Space - 1986
Audience: Gen. NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/13/1908 - 0:33:00

AVC-1986-147-1/1 **Director's Management Address**

Dr. Lew Allen
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix 2: Mono mix
06/25/1986 - 0:45:00

AVC-1986-150-1/1 **Dr. Lew Allen Interview**
Dr. Eldred Tubbs Take 3 - 6:30 min. For Jim Kukowski NASA Headquarters; Discussing the Shuttle and Spacestation Docking and Measurements of Usage.
Audience: NASA Site: NASA HQ
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/08/1986 - 0:17:10

AVC-1986-151-1/1 **Panorama Shots of JPL with Jim Kukowski**
1" Master only NOTE: Transferred from 3/4" tape
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
07/08/1986 - 0:18:30

AVC-1986-153-1/1 **MARS: THE NEXT STEP**
Narrated by Jim French: Human Expedition to Mars
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Narration 2: Music
07/16/1986 - 0:06:47

AVC-1986-155-1/1 **Uranus Encounter - BBC "HORIZON"**
Air Checked
Audience: Tech.
Client: Frank Bristow
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/01/1986 - 0:49:29

AVC-1986-156-1/1 **Challenger Accident Report**
Recorded off of NASA SELECT TV in Washington.
Speaker: President Ragan and Guest; Shuttle Commission Press Conference, Old Executive Office.
Also comments on the Challenger Accident Report.

Dated: June 9, 1986; 2:00pm
Audience: News Site: White House
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/09/1986 - 0:14:15

AVC-1986-157-1/1 **NASA Administrator John C. Fletcher Press Conference**
NASA SELECT TV; June 9, 1986.
Audience: News Site: NASA HQ
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/09/1986 - 0:52:35

AVC-1986-158-1/1 **NASA UPDATE - Vol. 1, No. 5**
Jim Kukowski: Interview about Methane dispersed into the Ozone and it's effects; Guest Speaker: Dr James Baker, Oceanographer.
Audience: News Site: NASA HQ
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/27/1908 - 0:24:35

AVC-1986-159-1/1 **NASA UPDATE - Vol. 1, No. 6**
Jim Kukowski
Audience:
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/15/1908 - 0:27:00

AVC-1986-164-1/1 **M JPL Hypersonic Wind Tunnel**
Air Dryer Facility; Air Heating Facility; Wind Tunnel Test Station; Diffuser System-Water Cooling Tower Control Console.
Audience: JPL Site: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
07/01/1985 - 0:08:40

AVC-1986-165-1/1 **Uranus Magnetosphere**
Computer Graphics ab/JPL
Audience:

Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/11/1986 - 0:14:00

AVC-1986-166-1/1 **Mars Rover**
Brian Wilcox - Ch. 1, FX - Ch. 2, Narration Al Hibbs;
Early Vehicle Operation
Audience: JPL
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/01/1986 - 0:04:26

AVC-1986-167-1/1 **The Antarctic Ozone Hole as Seen by TOMS**
Mark Shoeberl, Arlin Kureger and Rich Stolarski
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/01/1986 - 0:08:28

AVC-1986-173-1/1 **AXAF - The Advanced X-Ray Astrophysics Facility**
NARRATED; Animation Format
Audience: Edu.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/18/1986 - 0:21:29 Producer: LMLC

AVC-1986-174-1/1 **A Comet Called Halley**
Terence Murtagh, Armagh Planetarium, N. Ireland; Narrator.
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/17/1908 - 0:30:52 Producer: York Films

AVC-1986-175-1/2 **MARS CONFERENCE - Panel Discussion**
art 1 of 2 - Carl Sagan, Dr. Bruce Murray, Harvey
Meierson, Dr. Bonet, Dr. Longston
Audience: Edu.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/22/1986 - 1:02:45

AVC-1986-175-2/2 **MARS CONFERENCE - Panel Discussion**
Part 2 of 2 - Carl Sagan, Dr. Bruce Murray, Harvey Meierson, Dr. Bonet, Dr. Longston, Dr. Sullivan
Audience: Edu.
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
07/22/1986 - 1:02:36

AVC-1986-176-1/1 **NASA Briefing**
Dr. James Fletcher; NASA Administrator
12:30pm Washington DC; NASA Select TV,
Speaker: Sherry Green, NASA Press Conference Director;
August 18, 1986.
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/18/1986 - 0:53:05

AVC-1986-178-1/1 **Aeronautics and Space Report**
Restoring Miss Liberty - 4:20 min.; Research Aircraft X-29, GSFC - 2:35 min.; Planet Research - 3:15; Laser Artery Repair (JPL) - 4:00 min.
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/28/1908 - 0:15:56

AVC-1986-180-1/1 **Surveyor Program: Surveyor Project Report #20**
Including final summary of the Lunar lander. 1968
Audience: Gen. Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/02/1986 - 0:27:00

AVC-1986-181-1/1 **NEXT...THE MEN (Surveyor Moon Lander)**
The story of Surveyor I Moon lander, with emphasis on the spacecraft's fabrication and testing
Audience: Gen. Resource Site:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix JPL 750

09/02/1986 - 0:17:00 Producer: Hugh Aircraft

AVC-1986-182-1/1 **ONE, ONE, ZERO, ZERO**
Surveyor SC-1 Mission - 1968
Audience: Gen. Resource
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/02/1986 - 0:27:00 Producer: General Dynamics

AVC-1986-183-1/1 **NASA...THE 25TH YEAR**
VTV-208 From Explorer 1 to the space shuttle, this program chronicles the numerous challenges and accomplishments which have marked a quarter century of space exploration.
Audience: Gen. Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix ASR 223
06/01/1983 - 0:50:00 Producer: NASA HQ

AVC-1986-184-1/1 **Computer Graphics Demo Tape**
1" Master only 1984, 1985, 1986,and 1987 - Jim Blinn
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/08/1986 - 0:22:00

AVC-1986-187-1/1 **The JPL Story 1970**
Film-to-tape transfer
Audience:
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
09/15/1986 - 0:26:16

AVC-1986-188-1/1 **NASA Press Briefing - Space Station Review**
Space Station Review; Associate Administrator, Andrew J. Stofan
Audience: NASA Site: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/12/1986 - 0:34:42

AVC-1986-191-1/2 **ATLAS 52E LAUNCH - NOAA SATELLITE**

Vandenberg Air Force Base. NOTE: Also, various camera angles
September 17, 1986 - Broadcast
Audience: NASA
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Silent
09/17/1986 - 0:58:06

AVC-1986-192-1/1 **Dr. Richard Feynman Press Teleconference on the Rogers Commission (Ch**

CIT - Jurrie van Woude
Dr. Feynman; Discussed possible danger of flying Plutonium on Galileo and Ulysses Missions.
Audience: NASA News
Client: Jurrie van der Woude
Master: 3/4" U Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
06/10/1986 - 1:00:00

AVC-1986-201-1/1 **Aeronautics and Space Report**
Teacher in Space - 4:50; Air Flow Research - 3:05; Human Factors Studies - 2:55; Comet Halley Returns - 3:05; Voyager/Uranus Flyby; - 1986
Audience: NASA News
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/30/1986 - 0:16:00

AVC-1987-005-1/1 **SEASAT Scatterometer Marine Winds**
"Wind Speed with Vectors" - 11:49 min.
"Zonal and Meridional" - 3:43 min.
"Vorticity and Divergence" - 8:15 min.
By Peter Woiceshun
Audience: JPL
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
10/01/1986 - 0:22:47

AVC-1987-006-1/1 **JPL Historical Footage**
Public Information Office
Silent
Audience: JPL
Client: PIO

Master: 3/4" Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/08/1986 - 0:07:30

AVC-1987-010-1/1 **NOVA: The Planet that Got Knocked On Its Side**
F.J. Colella
Audience: Gen.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
10/21/1986 - 0:56:00

AVC-1987-012-1/1 **"I Will See Such Things" - (Voyager at Uranus)**
VTV-7 The story of Voyager 2's flyby of the planet Uranus in January 1986 as told by Dr. Al Hibbs. Interviews with Dr. Ed Stone, Dr. Larry Soderblom Dr. Richard Terrile. They discuss, with animations and actual images, Voyager's scientific discoveries about Uranus and it's moons. Includes historical background on the planet from its discovery by William Herschel in 1781 and an overview of the Voyager spacecraft and its encounters with Jupiter and Saturn.
Audience: Gen. JPL
Client: PIO, Org. PIO
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix JPL 1121
Film transfer from JPL 1121
10/22/1986 - 0:28:34 Producer: Frank Bristow

AVC-1987-014-1/1 **Arroyo Seco Ceremony**
50th Anniversary Celebration of First Rocket Firing
Audience: JPL
Client: Mary Lassiter
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
10/31/1986 - 0:14:00

AVC-1987-026-1/1 **L.A. The Movie**
VTV-14 Image processing simulated flight over the Los Angeles area using a Landsat image.
(Narrated version)
Audience: Gen.
Client: Kevin Hussey
Master: 1"C Submaster: 1"C
Audio 1: Mix 2: Mix
04/01/1987 - 0:03:27

AVC-1987-029-1/1 **The Voyager Discoveries: Jupiter, Saturn, Uranus and on to Neptune**
VTV-20 Multimedia slide show transferred to tape. Narration
and music.
Audience: JPL NASA
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/01/1986 - 0:15:00

AVC-1987-033-1/1 **JPL Aerial Shots**
Audience: JPL Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/12/1987 - 0:02:00

AVC-1987-035-1/1 **Voyager at the Smithsonian**
Stock Footage - Silent
Audience: Resource
Client: Jack Dawson
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/15/1987 - 0:33:00

AVC-1987-036-1/1 **Space Telescope Animation**
Audience: Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/15/1987 - 0:06:30 Producer: Perkin-Elmer

AVC-1987-039-1/1 **Groundbreaking Ceremony for the Microdevices Laboratory**
Speakers: Dr. Lew Allen; Dr. Marvin Goldberger
Dr. Burton Edelson; Gen. Billie McGarvey
Moderator: Dr. Terry Cole
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/21/1987 - 0:23:25

AVC-1987-040-1/1 **Aerial Footage of Goldstone - MOS**
Audience: NASA Resource
Client:
Master: 1"C Submaster: 3/4"

Audio 1: Mono mix 2: Mono mix
02/03/1987 - 0:27:36

AVC-1987-047-1/1 **Voyager Spacecraft Used for Magellan Project Tests**
Audience:
Client: Jim Doyle
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
02/11/1987 - 0:02:14

AVC-1987-062-1/1 **Magellan Assembly - SSB High Bay 1986**
Audience: JPL Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
01/18/1987 - 0:07:00

AVC-1987-076-1/1 **CRAF Trajectory, Comet Tempel 2 Orbit, and Solar System**
Doug Stetson
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/16/1987 - 0:05:00

AVC-1987-078-1/1 **IRAS - Infrared Astronomical Satellite**
Zaqueline Souras
Audience:
Client:
Master: 1"C
Audio 1: 2:
05/07/1987 - 0:08:00

AVC-1987-080-1/1 **SETI Trailer and Shuttle Dish**
EDITED VERSION OF RAW FOOTAGE, SHOT AT GOLDSTONE,OF THE SETI TRAILER AND SHUTTLE DISH
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/01/1987 - 0:30:00 Producer: Borst

AVC-1987-081-1/1 **Raw Footage of SETI Trailer and Shuttle Dish**
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/01/1987 - 0:32:00

AVC-1987-082-1/1 **IRAS News Release**
Audience: JPL News
Client: PIO
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/01/1987 - 0:08:00

AVC-1987-083-1/1 **Space Flight Operations Facility**
John Tullius
Audience: JPL
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/01/1987 - 0:06:30

AVC-1987-087-1/1 **Microwave Limb Sounder**
Tom Fraschetti
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
06/05/1987 - 0:03:00

AVC-1987-088-1/1 **Space Imaging Radar Program at JPL**
Diane Evans
Audience: JPL
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
06/05/1987 - 0:05:00

AVC-1987-089-1/1 **Comet Rendezvous Asteroid Flyby: A Mariner Mark II Mission**
Jim Wilson
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/10/1987 - 0:09:00

AVC-1987-093-1/1 **No tape (use 1987-097)**
Audience:
Client:
Master:
Audio 1: Mono mix 2: Mono mix
/ / - 0:00:00

AVC-1987-094-1/1 **Winds of Jupiter**
Black & White
Audience: JPL
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Silent

06/01/1987 - 0:07:30

AVC-1987-096-1/1 **Space Shuttle Challenger Accident Investigation**
VTV-26 51-L documentation tape by the Rogers Commission.
A Technical Documentary.
Audience: Tech.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
07/02/1987 - 0:31:00

AVC-1987-097-1/1 **X-MINUS 80 DAYS 5/26/58**
The story of the 80 days leading up to the launch of Explorer 1, the joint Army-JPL project following the Sputnik launch. (film-to-tape transfer) Early footage of JPL, Dr. William Pickering and Dr. Albert Hibbs.
Audience: Gen. JPL
Client: PIO
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/30/1987 - 0:20:52

AVC-1987-098-1/1 **Mars Balloon Test**
(Recorded on January 22, 1987 at Dryden Research Center)
Audience: NASA
Client: Jim Burke
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/01/1987 - 0:06:50

AVC-1987-100-1/1 **Miranda: A Dynamic View**
JPL Computer Graphics Lab
Audience: JPL
Client:
Master: 1"C Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/16/1987 - 0:07:00

AVC-1987-105-1/1 **Miranda Rotation Press Release**
Silent
Audience:
Client: PIO
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/07/1987 - 0:02:30

AVC-1987-108-1/1 **Project Galileo: "A Jovian Odyssey"**
Audience: Gen. Resource
Client: Maynard Hine
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/04/1987 - 0:04:00

AVC-1987-109-1/1 **Lunar Bridgehead (Ranger 7)**
Documentary film (11/25/64) of the first successful Moon photography mission, Ranger 7, impacting the Moon July 31, 1964. Scenes include July 28 launch from Cape Canaveral on an Atlas/Agena; Jet Propulsion Laboratory (JPL) Space Flight Operations, von Karman Auditorium, mission control; Deep Space Network (DSN) Madrid, Goldstone. Appearances by H. (Bud) Schurmeir, Dr. William Pickering, Dr. Gerard P. Kuiper, and President Lyndon B. Johnson. Includes photos of the moon down to 18 inch resolution.
Audience: Gen. Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JPL 571A
08/31/1987 - 0:28:30 Producer: Irl Newlan - Photo

AVC-1987-117-1/1 "**Project Galileo**"
Press Release
Audience: NASA News
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/23/1987 - 0:04:00

AVC-1987-119-1/1 **Probing The Clouds Of Venus**
Audience: NASA
Client: NASA/AMES
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/22/1987 - 0:22:00

AVC-1987-120-1/1 **SFOF and IPL Stock Footage from Magellan Film**
Audience: NASA
Client: Neal Nickle
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/15/1987 - 0:29:00

AVC-1987-121-1/1 **Magellan Animation**
Film to tape transfer
Audience: JPL
Client: Neal Nickle
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/22/1987 - 0:06:00

AVC-1988-009-1/1 **Miranda the Movie**
VTV-8 Made from a mosaic of 9 frames taken by Voyager of the Uranian moon Miranda. General Audience
Audience: Gen.
Client: Kevin Hussey, Sec. 384
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/13/1987 - 0:02:00

AVC-1988-010-1/1 **Miranda the Movie**
VTV-8 Scientific Audience
Audience: Tech. JPL Site: Kevin Hussey, S
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/13/1987 - 0:03:50

AVC-1988-011-1/1 **Miranda the Movie**
Recorded 2 times - Raw Footage - Silent
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/13/1987 - 0:02:00

AVC-1988-013-1/1 **Antennas in Spain**
Raw Footage Film-to-tape transfer
Audience:
Client: J. Dawson
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/30/1987 - 0:42:00

AVC-1988-014-1/1 **Beyond the Clouds**
NASA Goddard Research Center/ UARS Project
Film-to-tape Transfer
Audience: NASA

Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/30/1987 - 0:11:35

AVC-1988-015-1/1 **Supernova**
Audience:
Client: J. Goldsmith
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/20/1987 - 0:05:15

AVC-1988-016-1/1 **Halley Rendezvous Animation**
Silent
Audience:
Client: Jim Blinn
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/07/1987 - 0:21:30

AVC-1988-024-1/1 **Supernova Animation**
Supernova Plates, Global
Network; Supernova Expansion
By: Jeff Goldsmith, Computer Graphics Lab,
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/20/1987 - 0:04:00

AVC-1988-025-1/1 **Star Field**
By: Jeff Goldsmith, Computer Graphic Lab
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/20/1987 - 1:00:00

AVC-1988-029-1/3 **Dr. Pickering Interview**
Interviewer: Dr. Albert Hibbs
This interview was taped for The California
Museum Of Science And Industry Archives.
Audience: NASA Resource
Client: Dr. Shirley Thomas
Master: 1"C
Audio 1: Mono mix 2: Mono mix

10/26/1988 - 0:53:00

AVC-1988-029-2/3 **Dr. Pickering Interview**
Interviewer: Dr. Albert Hibbs
This interview was taped for The California Museum Of Science And Industry Archives.
Audience: NASA Resource
Client: Dr. Shirley Thomas
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/26/1987 - 0:45:00

AVC-1988-029-3/3 **Dr. Pickering Interview**
Interviewer: Dr. Albert Hibbs
This interview was taped for The California Museum Of Science And Industry Archives.
Audience: JPL NASA Resource
Client: Dr. Shirley Thomas
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/26/1987 - 0:41:00

AVC-1988-037-1/1 **Goldstone 70 Meter Construction**
GOLDSTONE 70 METER CONSTRUCTION
Audience: NASA
Client: Lynda McKinley
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
02/09/1988 - 0:05:17

AVC-1988-041-1/1 **Voyager Mission Highlights**
A video show of selected segments taken from the Voyager Encounters.
Silent
Audience:
Client: Dr. Lew Allen
Master: 1"C
Audio 1: Mono mix 2: Mono mix
02/26/1988 - 0:05:00

AVC-1988-046-1/1 **NASA Telerobotic Research Demonstration**
Audience: Gen. NASA Site: BRIAN WILCOX
Client: NASA
Master: 3/4" Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
03/02/1988 - 0:05:30

AVC-1988-053-1/1 **Galileo Animations**
Audience: Resource
Client: D. Blakey & B. Asher
Master: 1"C
Audio 1: Mono mix 2: Mono mix
03/24/1988 - 0:04:00

AVC-1988-057-1/1 **Magellan: Exploring Venus**
A film produced for JPL
Audience:
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
03/30/1988 - 0:28:34 Producer: outside producer

AVC-1988-063-1/1 **Space Flight Operations Facility**
John Tullius 1988 Version
Audience: NASA
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/23/1988 - 0:06:25

AVC-1988-071-1/1 **Supernova II**
JPL Computer Graphics Lab
Audience: JPL
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
05/20/1988 - 0:10:00

AVC-1988-072-1/1 **Simulation 87 - 1988 Version**
Jim Lathrop
Audience: JPL
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/01/1988 - 0:05:00

AVC-1988-073-1/2 **Supernova Science Briefing**
VTV-34

Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix

06/02/1988 - 1:00:00

AVC-1988-073-2/2 **Supernova Science Briefing**
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
06/02/1988 - 0:30:00

AVC-1988-080-1/1 **Launch of Russian Mars Probe To Phobos**
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
07/07/1988 - 0:13:00

AVC-1988-084-1/1 **Semiautonomous Mars Rover Navigation**
An edited production demonstrating a software for navigating semiautonomous rovers.
Audience: Tech. Site: JPL
Client: Andy Mishkin
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/16/1988 - 0:07:00 Producer: Inova/Savona

AVC-1988-087-1/1 **Earth the Movie**
VTV-40 Uses cloud data from satellites and topographical data from maps.
Audience: JPL
Client: Kevin Hussey
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/16/1988 - 0:06:10

AVC-1988-096-1/1 **JPL Missions Sampler**
Audience: JPL
Client: Mary Beth Murrill
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/12/1988 - 0:24:00

AVC-1988-097-1/1 **Earth the Movie**
Raw Stock (UNEDITED)
SILENT
Audience: JPL
Client: Kevin Hussey

Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/16/1988 - 0:15:00

AVC-1988-098-1/1 **Digital Image Animation Lab Sampler 1988**
"L.A. the Movie" "Miranda the Movie" "Time Series of 500-MB Height Fields" "Seasat Wind Speed"
"West Coast Chlorophyll Time Series" "Transparency Experiment - South America Rotation"
"Earth the Movie"
Audience: JPL
Client: Betsy Asher
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/21/1988 - 0:19:00

AVC-1988-101-1/1 **Magellan: Exploring Venus**
Audience: JPL
Client:
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/29/1989 - 0:16:00

AVC-1988-102-1/1 **The Flight of STS-26 "Return to Space"**
Includes: lift-off, TDRSS deployment and Landing at Edwards Air Force Base
Audience: NASA
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/29/1988 - 0:22:30

AVC-1988-103-1/1 **Galileo Press Release**
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/21/1988 - 0:19:00

AVC-1988-104-1/1 **Goldstone 70 Meter, DSS 14 Mars Site Antenna**
DSS 15 SMALL ANTENNA
Stock Footage
Audience: JPL Resource
Client: Jack Dawson
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix

09/16/1988 - 0:30:00

AVC-1988-105-1/1 **Space Flight Operations Facility**
Walk-Thru
Audience:
Client: Charles Koscielski
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/30/1988 - 0:07:00

AVC-1988-110-1/1 **Galileo in Space Simulator**
Stock Footage
Audience:
Client: Jack Dawson
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/22/1988 - 0:09:12

AVC-1988-119-1/1 **Mars Radar Observations**
Silent Version
Audience: JPL NASA
Client: Steve Ostro
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/17/1988 - 0:02:30

AVC-1988-120-1/1 **Mars Radar Observations**
Narrated Version
Audience: JPL NASA
Client: Steve Ostro
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/31/1988 - 0:03:30

AVC-1988-134-1/1 **Stock Footage of Engineers & Techniques**
Audience: JPL
Client: Jurrie van der Woude
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/09/1988 - 0:03:00

AVC-1988-138-1/1 **Magellan Animation**
1988 Version
(See AVC-121-87T1M for 1987 Version)
Raw Stock
Audience: JPL

Client: N. Nickle
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/07/1988 - 0:03:30

AVC-1989-002-1/1 **Visions of Other Worlds**
Audience: NASA
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/07/1984 - 0:28:00

AVC-1989-003-1/1 **CRAF-COMET Rendezvous Asteroid Flyby**
Audience:
Client: T. Barber
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/09/1989 - 0:01:00

AVC-1989-012-1/1 **Mars the Movie**
VTV-49 This computer-generated simulation follows a flight path over Mars using actual Viking Orbiter data.
Audience: Gen.
Client: Kevin Hussey, Org. DIAL
Master: 1"-C Submaster: 1"-C
Audio 1: Stereo 2: Stereo
01/30/1989 - 0:05:30

AVC-1989-013-1/1 **Collection of the Movies**
VTV-53 1."L.A. The Movie" 3:00
2."Miranda the Movie" 2:00
3."Earth the Movie" 6:10
4."Mars the Movie" 5:30 5."Monterey the Bay" 4:42
Computer generated, three-dimensional flyovers of still datasets taken from various spacecraft.
Audience: Gen.
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mix 2: Mix
03/28/1991 - 0:21:52

AVC-1989-017-1/1 **Galileo Probe Pre-Shipment Review**
THE MAKING OF THE GALILEO PROBE
GALILEO PROBE "READY TO GO"
Audience:
Client:

Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/01/1989 - 0:59:00

AVC-1989-018-1/1 **Arctic Ozone Briefing**
ARCTIC OZONE EXPEDITION 5:00 Min.
ARCTIC OZONE EXPEDITION"B" Roll Scenes 12:00 Min.
OZONE AS SEEN BY TOMS 50 seconds
Audience:
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/17/1989 - 1:07:00

AVC-1989-019-1/1 **The JPL Story**
A Tradition of Discovery
Audience: JPL
Client:
Master: BCAMsp Submaster: VHS
Audio 1: Mono mix 2: Mono mix
03/01/1989 - 0:17:17

AVC-1989-020-1/1 **Hubble Space Telescope**
Computer Animation
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
03/06/1989 - 0:02:00

AVC-1989-021-1/1 **Magellan Pre-Launch Clip**
F
Audience:
Client: Jim Doyle
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/06/1989 - 0:03:40

AVC-1989-022-1/1 **Magellan Preflight Press Briefing**
Johnson Space Center
Audience: Gen. Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/15/1989 - 0:57:00

AVC-1989-025-1/1 **Life and the Solar System: The CRAF and Cassini Missions**
VTV-127
The production uses animation and interviews with Dr. Tobias Owen from the State University, New York and Dr. Daniel Gautier from the Paris Observatory, Meudon, France, to describe the proposed missions. Both missions will use the new JPL Mariner Mark II class spacecraft and have landing probes. The CRAF (Comet Rendezvous and Flyby) mission will study comets. The Cassini mission will orbit Saturn and land a probe on Titan. Both are joint missions with NASA and ESA. The missions will fly during the mid 90's.
Audience: Gen. Site: JPL & France
Client: Tom Barber/G. Alexander, Org. 240
Master: 1"C Submaster: 1"C
Audio 1: Mixed 2: Mixed
03/21/1989 - 0:09:00 Producer: M. Inova

AVC-1989-027-1/1 **STS-30 Magellan Press Conference**
Johnson Space Center
John Gerpheide
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
03/27/1989 - 1:35:00

AVC-1989-028-1/1 **STS-30 Flight Crew Press Conference**
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
03/27/1989 - 0:34:30

AVC-1989-029-1/1 **Magellan Science Briefing**
Audience: JPL
Client: Steve Saunders
Master: M-II
Audio 1: Mono mix 2: Mono mix
03/27/1989 - 0:32:00

AVC-1989-030-1/1 **VEGA AND PHOBOS**
Soviet Space Missions
Steve Edburg
Footage From The U.S.S.R.
Audience:
Client:

Master: 1"C
Audio 1: Mono mix 2: Mono mix
03/27/1989 - 0:23:00

AVC-1989-036-1/2 **Magellan Press Conference**
Audience:
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/11/1989 - 1:00:00

AVC-1989-036-2/2 **Magellan Press Conference**
Audience:
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/11/1989 - 0:20:00

AVC-1989-042-1/1 **STS-30 Prelaunch Briefings - MAGELLAN**
Taped from KSC
Audience: NASA News Resource Site: KSC
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/27/1989 - 1:30:00

AVC-1989-045-1/1 **Venus Globe with Magellan's SWATH**
lost from 180-101
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/27/1989 - 0:12:42

AVC-1989-046-1/1 **Magellan/STS-30 Launch and Deployment**
VTV-63 Various shots of STS-30 Launch, JPL's Space Flight Operations Facility (SFOF), Magellan's Deployment, and Post-Deployment.
Press Conference with J.H. Gerpheide
Audience: News
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
05/04/1989 - 0:18:25

AVC-1989-048-1/1 **Voyager's Encounter with Neptune**

lost from 180-101
10/18/02
Audience:
Client:
Master:
Audio 1: Mono mix 2: Mono mix
05/11/1989 - 0:04:25

AVC-1989-051-1/1 **Voyager 2 Pre-Encounter Compilation Tape**
Various Highlights of Voyager 2
Includes: LAUNCH
COMPUTER ANIMATION
NEWS BRIEFINGS
ACTUAL IMAGING
BLUE ROOM UPDATE
Audience: Resource
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
05/16/1989 - 0:41:47

AVC-1989-052-1/1 **Magellan/STS-30 Launch and Deployment**
VTV-65 Various shots of Launch/Deployment Highlights
with SFOF Footage
Audience:
Client:
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/15/1989 - 0:04:17

AVC-1989-055-1/1 **STS-30 Post-Flight Crew Press Briefing**
(Magellan Deployment)
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
05/18/1989 - 0:59:00

AVC-1989-061-1/2 **APOLLO 11 - 20th Anniversary Press Conference**
VTV-66
Audience: NASA
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
05/26/1989 - 0:26:00

AVC-1989-061-2/2 **APOLLO 11 - 20th Anniversary Press Conference**
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
05/26/1989 - 0:26:00

AVC-1989-063-1/1 **Galileo Mission to Jupiter for KSC Press Conference**
News release
Audience:
Client: Maynard Hine
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
05/31/1989 - 0:02:40

AVC-1989-065-1/1 **Voyager II'S Encounter with Uranus/Neptune**
Audience:
Client: Dr. Edward Stone
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/06/1989 - 0:56:00

AVC-1989-066-1/1 **Voyager II Neptune Raw Images**
6/7/89 - 6/12/89
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/07/1989 - 0:56:00

AVC-1989-067-1/1 **Voyager II Neptune Raw Images**
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/19/1989 - 0:36:00

AVC-1989-068-1/1 **STS-30 Mission Highlights Resource Tape**
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
05/18/1989 - 0:58:30

AVC-1989-069-1/1 **RTG Safety Tests**
VTV-99 Clips of Safety Testing done on RTGs at Los

Alamos. Includes stills of fuel capsules after testing.
Audience:
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/21/1989 - 0:11:20

AVC-1989-071-1/1 **Voyager II Neptune Raw Images**
SILENT
Audience: NASA
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/27/1989 - 1:30:00

AVC-1989-072-1/1 **Voyager Encounter Highlights Resource Tape**
VTV-120 Collection of 19 news release animation segments for Voyager 1 & 2 at Jupiter, Saturn and Uranus. Most are made from Voyager imaging data, except the trajectory animations.
Most are silent.
(OPENING TITLE) :08 00:00:00
1. TRAJECTORIES, VOYAGER 1 & 2 1:10 Silent 00:00:08
Computer animation of the trajectories for both Voyagers 1 and 2, from launch through Neptune. Depicts the trajectory paths from a point of view above the ecliptic plane of the Solar System.
2. JUPITER FROM GANYMEDE - COMPUTER ANIMATION :35 Silent
00:0:21
A time lapse, computer generated view of Jupiter from its satellite Ganymede during one orbit of the satellite. Shows other satellites orbiting Jupiter, Jupiter's rotation, and the stars behind the planet.
3. JUPITER COMPUTER ANIMATION 2:00 Silent 00:01:59
Computer simulation of Voyager 2's encounter with Jupiter and its satellites. Ninety hours are compressed into three-minutes. Starting at encounter -60 hours; Callisto imaging, -40 hours; Great Red Spot, -28 hours; Ganymede, -15 hours; Europa; Jupiter encounter; Io, +2 hours; Jupiter auroral phenomena observation; occultation of Sun and Earth; on to Saturn, +20 hours.
4. JUPITER ROTATION MOVIE :00 Silent 00:03:58
Made from color images taken by Voyager as it approached Jupiter. The resulting time lapse sequence shows the

planet's rotation and its satellites orbiting Jupiter.

5. JUPITER ZOOM MOVIES :20 Silent 00:05:02
Zoom movies made of frames taken by Voyager. The frames selected were centered at the same longitude of Jupiter on each rotation, producing a stroboscopic sequence in which the planet rotation has been "frozen" so that cloud motions are more clearly seen. Several latitudes have been selected. They are repeated several times.

6. JUPITER RED SPOT, VIOLET FILTER 0 Silent 00:05:27
A zoom movie made from 70 images of the Great Red Spot taken April 25 - May 24, 1979, by Voyager 2 through the violet filter. The black and white time lapse picture repeats the sequence three time, condensing the 700-hour period into 5.5 seconds.

7. JUPITER RED SPOT, BLUE FILTER :40 Silent 00:0:12
This zoom movie was taken through the blue filter by Voyager 1. Repeated three times.

8. THE WINDS OF JUPITER 1:00 Silent 00:06:54
A combination of Voyager images formed into a Mercator projection are reproduced in time lapse fashion to show the dynamics of Jupiter's clouds. The whole planet is shown first, then two closer looks are repeated several times.

9. PANS OF SATELLITE STILLS - JUPITER SYSTEM 1:15 Silent 00:08:39
Camera movements on still Voyager images of the satellites Callisto, Ganymede, Europa, Io, and Amalthea.

10. VOYAGER SATURN ENCOUNTER COMPUTER SIMULATION (VS-2-1)

4:40 Sound 00:10:24
A computer simulated tour of the Saturn system from the point of view just behind Voyager 2. Approach; ultraviolet spectrometer scans; roll maneuvers; photopolarimeter observations of the occultation of the star Delta Scorpii by the rings; Earth and Sun occultation; Tethys observations; departure from the planet.

11. VOYAGER 2 SATURN ZOOM MOVIE (VS-2-2) 1:00 Silent 00:15:22
Made from 116 images of Saturn taken through the green filter as Voyager approached the planet. The resulting movie shows Saturn cloud movements as the planet fills the field of view. The black and white sequences are repeated six times.

12. SATURN ROTATION MOVIE (VS-3) 1:25 Silent 00:16:26
The time lapse film was made from 516 color images of Saturn taken by Voyager 1 on September 12-14, 1980. Saturn's high altitude haze obscures features, hiding the planet's

rotation. The satellites Mimas, Enceladus, Tethys, Dione and Rhea are seen orbiting the planet.
13. SATURN SPOKE/RING MOVIE 1:00 Silent 00:17:55
These frames were enhanced to show the motion of features in Saturn's rings. Divisions between the rings are apparent, and nearly-radial, spoke-like features are seen sweeping through part of the B-ring. Shown at several playback speeds.
14. PANS OF SATELLITE STILLS - SATURN SYSTEM 5 Silent 00:19:00
Camera movements on still Voyager images of the satellites Titan, Rhea, Dione, Tethys, Enceladus, Mimas, and Hyperion.
5. URANUS ENCOUNTER ANIMATION :00 Silent 00:21:28
Computer generated animation showing the Uranian system; the occultation of the star, Sigma Sagittari, behind the Uranian rings; Voyager 2 spacecraft, Uranus, its rings, and its satellites, Oberon, Umbriel, Titania, Ariel and Miranda from the point of view just behind the spacecraft; ring crossing; Sun and Earth occultation .
16. URANUS 8 FRAME ORANGE MOVIE :20 Silent 00:25:
A sequence of eight images taken through the orange filter by Voyager 2 over a 6.4-hour period on Jan. 14, 198. Shows latitudinal cloud bands and discrete bright features in the planet's atmosphere.
A computer generated, three-dimensional, simulated flyover created from nine images taken by Voyager 2 of the Uranian moon Miranda.
18. PANS OF SATELLITE STILLS - URANUS SYSTEM :5 Silent 00:27:23
Camera movements on still Voyager images of the satellites Oberon, Titania, Umbriel, Ariel, and Miranda.
19. VOYAGER ENCOUNTERS NEPTUNE (VU-4) 1:00 Silent 00:29:12
A quick look, computer animation, made during the Uranus encounter of the Voyager Neptune encounter in August, 1989.
(END) 00:30:18
Audience: Gen. Tech. Resource
Client: Voyager Project/PIO, Org. 1810
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
none
06/28/1989 - 0:30:18

AVC-1989-073-1/1 **Voyager II Neptune Raw Images**
Audience: JPL NASA
Client:

Master: 1"C
Audio 1: Mono mix 2: Mono mix
07/05/1989 - 1:17:00

AVC-1989-074-1/1 **Voyager II Neptune Raw Images**
SILENT
Audience: JPL NASA
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
07/11/1989 - 0:25:00

AVC-1989-075-1/1 **Satellites of Jupiter, Saturn, and Uranus**
One still and two pans of each satellite from the three planets.
SILENT
Audience: NASA
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
07/11/1989 - 0:11:02

AVC-1989-077-1/1 **From Space to the MOHO**
Image processing of the desert mountain ranges of S.W. Arizona and S.E. California.
Audience: JPL
Client: Dr. Ron Blom
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/07/1989 - 0:05:27 Producer: LAWSON/SAVONA

AVC-1989-078-1/1 **The DSN Story**
VTV-676
Produced by the JPL photo lab. Film to tape transfer.
Audience:
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/10/1989 - 0:21:11 Producer: JPL Photo Lab

AVC-1989-079-1/1 **The Neptune Rotation Movie**
VTV-75
Silent
Audience: NASA News
Client: PIO
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix

07/14/1989 - 0:01:40

AVC-1989-081-1/1 **Voyager 2 Neptune Raw Images**
VTV-74 SILENT
Audience: NASA
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
07/18/1989 - 0:43:00

AVC-1989-082-1/1 **APOLLO 11-20th Anniversary Ceremony**
National Air and Space Museum
Apollo 11 astronauts, Admiral Dick Truly, Vice Pres. Dan Quayle, and Pres. Bush's commitment speech
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
07/20/1989 - 0:43:00

AVC-1989-083-1/1 **Voyager/Neptune Pre-Encounter Talk**
Dr. Edward Stone
Audience: JPL
Client: JPL
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/06/1989 - 0:45:00

AVC-1989-084-1/1 **Galileo Press Conference**
VTV-77
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
07/21/1989 - 1:30:00

AVC-1989-093-1/1 **Soviet's PHOBOS Animation**
Audience:
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/27/1989 - 0:03:00

AVC-1989-094-1/1 **Voyager 2 Neptune Raw Images**
SILENT

Audience: NASA
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/01/1989 - 0:39:00

AVC-1989-095-1/1 **Mars Rover Sample Return Mission**
JSC produced animation proposing possible Mars Sample Return Mission.
Audience: NASA
Client: NASA
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/01/1989 - 0:04:45

AVC-1989-096-1/1 **Voyager 2 Neptune Raw Images**
SILENT
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
07/25/1989 - 0:42:00

AVC-1989-097-1/1 **Voyager Press Conference**
VTV-82 FROM HEADQUARTERS
Norm Haynes and Ed Stone
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/04/1989 - 0:48:00

AVC-1989-098-1/1 **Voyager 2 Neptune Raw Images**
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/07/1989 - 0:38:00

AVC-1989-099-1/1 **Voyager 2: Neptune Encounter**
Two segments, the first is 0:05:12 long narrated overview with computer graphics, actual images, and stock footage. Followed by 0:06:19 of unedited computer graphics. Intended for media use.
Audience: Site: JPL
Client: Voyager/PIO

Master: 1"C Submaster: 1"C
Audio 1: Mix 2: Mix
08/08/1989 - 0:11:31

AVC-1989-105-1/1 **Galileo Activities at KSC**
Press Release For Conference at the Cape.
Audience: NASA
Client: Maynard Hine
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/15/1989 - 0:06:46

AVC-1989-106-1/1 **Voyager 2 Neptune Raw Images**
Silent
Audience: NASA Resource
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/14/1989 - 1:33:00

AVC-1989-107-1/1 **Voyager 2: Encounters Neptune & Triton**
Computer Animation produced by: Computer Graphics Lab and Voyager Mission Planning
Audience:
Client: William Kosmann
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1989 - 0:04:00

AVC-1989-108-1/1 **Voyager Neptune Approach Movie**
Public Information Office
JUNE 5 - AUGUST 11, 1989
Audience: JPL
Client: PIO
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/11/1989 - 0:03:30

AVC-1989-109-1/1 **Voyager 2: Neptune Weather Movies**
A South Polar view and equatorial view
Audience:
Client: PIO
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/05/1989 - 0:02:30

AVC-1989-110-1/3 **Galileo Science Writers' Briefing**
Galileo managers & scientists discuss plans for the upcoming mission to Jupiter in regards to launch, orbits, and science. Presenters; Richard Spehalski Project Manager JPL; Clayne Yeates, Acting Science Mission Design Man. JPL; Earl Cherniak Orbiter Science Man. JPL; John Givens Aames Res. Center Probe System Design Man.; Neal Ausman Mission Director JPL.
Audience: JPL Site: JPL
Client: PIO
Master: 1"C Submaster: M-II
Audio 1: Mono mix 2: Mono mix
08/20/1989 - 1:34:00

AVC-1989-110-2/3 **Galileo Science Writers' Briefing**
Galileo managers & scientists discuss plans for the upcoming mission to Jupiter in regards to launch, orbits, and science. Presenters: Dr. Torrence Johnson Project Scientist JPL; Dr. Richard Young Probe Scientist Ames Research Center; Clayne Yeates Acting Mission Design Manager JPL.
Audience: JPL
Client: PIO
Master: 1"C Submaster: M-II
Audio 1: Mono mix 2: Mono mix
08/20/1989 - 1:05:00

AVC-1989-110-3/3 **Galileo Science Writers' Briefing**
Galileo managers & scientists discuss plans for the upcoming mission to Jupiter in regards to launch, orbits, and science. Presenters; Richard Spehalski Project Manager JPL; Clayne Yeates, Acting Science Mission Design Man. JPL; Earl Cherniak Orbiter Science Man. JPL; John Givens Ames Res. Center Probe System Design Man.; Neal Ausman Mission Director JPL. Dr. Torrence Johnson Project Scientist JPL; Dr. Richard Young Probe Scientist Ames Research Center; Clayne Yeates Acting Mission Design Manager JPL.
Audience: JPL
Client: PIO
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/20/1989 - 0:32:00

AVC-1989-111-1/2 **Voyager 2: Neptune Press Briefing**
Welcome By: Dr. Allen
Presenters: Norman Haynes, Dr. Edward Stone, Dr. Bradford Smith, Dr. James Warwick

Audience: JPL News Resource
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/12/1989 - 2:00:00

AVC-1989-111-2/2 **Voyager 2: Neptune Press Briefing**
Welcome By: Dr. Allen
Presenters: Norman Haynes, Dr. Edward Stone, Dr. Bradford Smith, Dr. James Warwick
Audience: JPL News Resource
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/12/1989 - 0:10:00

AVC-1989-112-1/2 **BLUE ROOM - Voyager 2 at Neptune Update**
9AM - 2PM Host: Al Hibbs
Guests: Lanny Miller, Norm Haynes
Audience: JPL
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/21/1989 - 0:49:04

AVC-1989-112-2/2 **BLUE ROOM - Voyager 2 at Neptune Update**
9AM - 2PM Host: Al Hibbs
Guests: Lanny Miller, Norm Haynes
Audience: JPL
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/21/1989 - 0:54:20

AVC-1989-113-1/1 **Voyager 2: Neptune Press Briefing**
Presenters: Dr. Edward Stone, Dr. Bradford Smith
Audience: JPL
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/22/1989 - 1:23:00

AVC-1989-114-1/3 **BLUE ROOM - Voyager 2 at Neptune Update**
Hosts: Willis Meeks, Jancis Martin, Al Hibbs
Guests: Lanny Miller, Lyle Broadfoot, Dale

Crukshank
Audience: JPL
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/22/1989 - 0:35:00

AVC-1989-114-2/3 **BLUE ROOM - Voyager 2 at Neptune Update**
Hosts: Al, Hibbs, Donna Pivirotto, Steve Wall
Guests: S.M. Krimgis, Doug Griffth
Audience: JPL
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/22/1989 - 0:48:25

AVC-1989-114-3/3 **BLUE ROOM - Voyager 2 at Neptune Update**
Hosts: Al, Hibbs, Donna Pivirotto, Steve Wall
Guests: S.M. Krimigis, Doug Griffth
Audience: JPL
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/22/1989 - 0:23:00

AVC-1989-115-1/2 **Voyager 2: Neptune Press Briefing**
Presenters: Norman Haynes, Dr. Edward Stone,
Dr. Bradford Smith
Audience: JPL
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/23/1996 - 1:36:00

AVC-1989-115-2/2 **Voyager 2: Neptune Press Briefing**
Presenters: Norman Haynes, Dr. Edward Stone,
Dr. Bradford Smith
Audience: JPL
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/23/1996 - 0:07:00

AVC-1989-116-1/2 **BLUE ROOM - Voyager 2 at Neptune Update**
Host: Al Hibbs
Guests: Lanny Miller, William Farrell, Rex

Ridenoure
Audience:
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/23/1989 - 0:36:40

AVC-1989-116-2/2 **BLUE ROOM - Voyager 2 at Neptune Update**
Hosts: Donna Pivirotto, Al Hibbs, Izeller-Cureton Snead
Guests: Norman Haynes, Garry Hunt, Raymond Amorose
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/23/1989 - 0:48:50

AVC-1989-117-1/1 **Neptune Global Rotation Movie**
Andy Ingersoll
Eric DeJong
No Audio
Audience: JPL
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/24/1989 - 0:01:00

AVC-1989-118-1/1 **Voyager 2: Neptune Press Briefing**
Presenters: Dr. Edward Stone, Dr. Brad Smith
Audience: JPL
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1989 - 1:25:00

AVC-1989-119-1/2 **BLUE ROOM Update: 9AM - 2PM**
Hosts: Willis Meeks, Steve Wall
Guests: Lanny Miller, Larry Soderblom, Andrew Ingersoll
Audience: JPL NASA
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1989 - 0:45:40

AVC-1989-119-2/2 **BLUE ROOM Update: 3PM - 5PM**

Hosts: Donna Pivirotto, Steve Wall, Al Hibbs
Guests: Donald Gurnett, Bob Nelson, Reta Beebe
Audience: JPL NASA
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1989 - 0:55:15

AVC-1989-120-1/1 **BLUE ROOM Update: 8PM - 9PM**
Hosts: Steve Wall, Al Hibbs
Guests: Andy Ingersoll, Don Gray
Audience: JPL NASA
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/24/1989 - 0:41:00

AVC-1989-121-1/1 **BLUE ROOM Update: 10PM - 11PM**
Host: Rich Terrile
Guests: Jeff Cuzzi, Larry Soderblom, Torrence Johnson
Audience: JPL NASA
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1989 - 0:54:00

AVC-1989-122-1/1 **BLUE ROOM Update: 12PM - 1AM**
Hosts: Rich Terrile, Steve Wall
Guests: Ed Stone, Don Gurnett/PWS, Larry Soderblom
Audience: JPL NASA
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 0:18:40

AVC-1989-123-1/1 **BLUE ROOM Update: 2AM - 3AM**
Host: Steve Wall
Guests: Bob Nelson, Hal Masursky
Audience: JPL NASA
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 0:23:00

AVC-1989-124-1/1 **BLUE ROOM Update: 5AM - 7AM**
Hosts: Suzanne Dodd, Jancis Martin

Guests: Jay Holberg, Bill Kurth, Pat Liggett
Audience: JPL NASA
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 0:46:00

AVC-1989-125-1/1
VTV-88

Voyager 2: Neptune - Vice President Quayle
Addresses JPL and Press
Audience: Gen. JPL News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 0:53:00

AVC-1989-126-1/2

Voyager 2: Neptune Press Briefing
Presenters: Dr. Edward Stone, Dr. Lawrence Soderblom, Dr. Donald Gurnett, Dr. Norman Ness, Dr. Ralph McNutt
Audience: JPL NASA
Client:
Master: 1"C Submaster: M-II
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 1:33:00

AVC-1989-126-2/2

Voyager 2: Neptune Press Briefing
Presenters: Dr. Edward Stone, Dr. Lawrence Soderblom, Dr. Donald Gurnett, Dr. Norman Ness, Dr. Ralph McNutt
Audience: JPL NASA
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 0:09:14

AVC-1989-127-1/1

BLUE ROOM Update: 12 NOON - 2PM
Host: Al Hibbs
Guests: Frances Bagenal, Bob Strom, Alexander Bazelevsky, Andy Ingersoll
Audience: JPL NASA
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 0:49:00

AVC-1989-128-1/1

BLUE ROOM Update: 2PM - 3PM

Hosts: Al Hibbs, Donna Pivirotto
Guests: Alexander Bazelevsky, Andy Ingersoll, Lonnie Lane, Andre Brahic
Audience: JPL NASA
Client:
Master:
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 0:45:00

AVC-1989-129-1/1 **BLUE ROOM Update: 4PM - 5PM**
Hosts: Izeller Cureton-Snead, Al Hibbs
Guests: Norm Haynes, Ed Stone
Audience: JPL NASA
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/25/1989 - 0:18:00

AVC-1989-130-1/2 **Voyager 2: Neptune PRESS BRIEFING**
Presenters: Dr. Ed Stone, Dr. Bill Sandel, Dr. John Belcher, Dr. Tom Krimigis, DR. Arthur Lane
Audience: JPL NASA
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/26/1989 - 1:30:00

AVC-1989-130-2/2 **Voyager 2: Neptune Press Briefing**
Presenters: Dr. Ed Stone, Dr. Bill Sandel, Dr. John Belcher, Dr. Tom Krimigis, Dr. Arthur Lane
Audience: JPL NASA
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/26/1989 - 0:43:00

AVC-1989-131-1/1 **BLUE ROOM Update: 9AM - 12 NOON**
Hosts: Al Hibbs, Jancis Martin
Guests: Lanny Miller, Kate Robinett, & Patrick Moore
Audience: JPL NASA
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/26/1989 - 0:25:00

AVC-1989-132-1/1 **Voyager 2: Neptune Press Briefing - 1PM**

Presenters: Dr. Lennard Fisk, Dr. Allen
Audience: JPL NASA
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/26/1989 - 0:58:00

AVC-1989-133-1/1 **Voyager 2: Neptune Encounter CNN Live**
Audience: Gen. News
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/26/1989 - 1:00:00

AVC-1989-134-1/1 **BLUE ROOM Update: 3PM - 4PM**
Host: Donna Pivirotto
Guest: Lyle Broadfoot
Audience: JPL NASA
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/26/1989 - 0:36:00

AVC-1989-135-1/2 **Voyager 2: Neptune Press Briefing - 10AM**
Presenters: Norm Haynes, Dr. Edward Stone, Dr. Donald J. Gurnett, Dr. Norman F. Ness, Dr. James, W. Warwick, Dr. Robert West, Dr. Barney Conrath, Dr. Andrew Ingersoll, Dr. Lawrence Soderblom
Audience: Gen. News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/27/1989 - 1:31:00

AVC-1989-135-2/2 **Voyager 2: Neptune Press Briefing - 10AM**
Presenters: Norm Haynes, Dr. Edward Stone, Dr. Donald J. Gurnett, Dr. Norman F. Ness, Dr. James, W. Warwick, Dr. Robert West, Dr. Barney Conrath, Dr. Andrew Ingersoll, Dr. Lawrence Soderblom
Audience: Gen. News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/27/1989 - 0:41:00

AVC-1989-136-1/1 **BLUE ROOM - Voyager 2 at Neptune Update: 9AM - 2PM**

Hosts: Donna Pivirotto, Jancis Martin, Al Hibbs
Guests: Norm Ness, Charles Kohlhase
Audience: News Resource Site: 186-Studio
Client: Voyager/PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/27/1989 - 0:50:55 Producer: Inova

AVC-1989-137-1/1 **BLUE ROOM Update: 3PM - 4PM**
Hosts: Al Hibbs, Steve Wall
Guest: Ralph McNutt
Audience: JPL NASA
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/27/1989 - 0:23:15

AVC-1989-139-1/3 **VOYAGER 2: Neptune Press Briefing**
Presenters: Dr. Edward Stone, Dr. Roger Yelle, Dr. Andy Chen, Dr. Ralph McNutt, Dr. Carolyn Porco, Dr. Jim Pollock, Dr. Torrence Johnson
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/28/1989 - 1:34:00

AVC-1989-139-2/3 **VOYAGER 2: Neptune Press Briefing**
Presenters: Dr. Edward Stone, Dr. Roger Yelle, Dr. Andy Chen, Dr. Ralph McNutt, Dr. Carolyn Porco, Dr. Jim Pollock, Dr. Torrence Johnson
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/28/1989 - 1:00:00

AVC-1989-139-3/3 **VOYAGER 2: Neptune Press Briefing**
Presenters: Dr. Edward Stone, Dr. Roger Yelle, Dr. Andy Chen, Dr. Ralph McNutt, Dr. Carolyn Porco, Dr. Jim Pollock, Dr. Torrence Johnson
Audience: News
Client:
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/28/1989 - 0:02:30

AVC-1989-140-1/1 **BLUE ROOM - Voyager 2 at Neptune Update**
Hosts: Willis Meeks, Al Hibbs
Guests: Lanny Miller, Torrence Johnson, Toby Owen
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/28/1989 - 0:38:00

AVC-1989-141-1/1 **BLUE ROOM - Voyager 2 at Neptune Update**
Hosts: Donna Pivirotto, Steve Wall
Guests: Len Tyler, Louis Lanzerotti
Audience:
Client:
Master: 1"C Submaster: M-II
Audio 1: Mono mix 2: Mono mix
08/28/1989 - 0:45:00

AVC-1989-142-1/1 **Flight Over Triton**
Silent
Audience: JPL
Client: Larry Soderblom
Master: M-II Submaster: 1"C
Audio 1: Silent 2: Silent
08/29/1989 - 0:00:33

AVC-1989-143-1/1 **Voyager Neptune Atmosphere**
Features: Andy Ingersoll
Audience:
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/29/1989 - 0:01:40

AVC-1989-144-1/2 **Voyager 2: Neptune Press Briefing**
Presenters: Bob Mac Millin, Norm Haynes, Norm Ness, Barry Mauk, Don Gurnett, Dr. Larry Esposito, Dr. Lennard Tyler, Dr. Andrew Ingersoll, Larry Soderblom, Ed Stone, Dr. Bradford Smith
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix

08/29/1989 - 1:30:00

AVC-1989-144-2/2 **Voyager 2: Neptune Press Briefing**
Presenters: Bob Mac Millin, Norm Haynes, Norm Ness, Barry Mauk, Don Gurnett, Dr. Larry Esposito, Dr. Lennard Tyler, Dr. Andrew Ingersoll, Larry Soderblom, Ed Stone, Dr. Bradford Smith
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/29/1989 - 1:00:00

AVC-1989-145-1/1 **BLUE ROOM - Voyager 2 at Neptune Update**
Host: Al Hibbs
Guest: Norm Haynes, Lanny Miller, Ed Stone
Audience: JPL
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
/ / - 0:00:00

AVC-1989-146-1/1 **Galileo Cape Activity**
Film Transfer by Foto-tronics
Audience: Resource Site: KSC
Client:
Master: 1"C
Audio 1: Silent 2: Silent
08/15/1989 - 0:42:00

AVC-1989-147-1/1 **DSN Goldstone Reconstruction Time Lapse**
Film to tape transfer
Audience: JPL
Client:
Master: 1"C Submaster: VHS
Audio 1: Mono mix 2: Mono mix
02/03/1988 - 0:23:41

AVC-1989-148-1/1 **Voyager: The Neptune Encounter**
(For Congressional Review)
Dr. Edward Stone
Audience: Edu.
Client: JPL
Master: 1"C
Audio 1: Mono mix 2: Mono mix

09/04/1989 - 0:04:00

AVC-1989-149-1/1 **STS-34 Mission Overview**
Press Conference - JSC
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
09/05/1989 - 0:40:00

AVC-1989-150-1/2 **Galileo Science Briefing**
Audience: JPL
Client: JPL
Master: M-II
Audio 1: Mono mix 2: Mono mix
09/05/1989 - 1:00:00

AVC-1989-150-2/2 **Galileo Science Briefing**
Audience: JPL
Client: JPL
Master: M-II
Audio 1: Mono mix 2: Mono mix
09/05/1989 - 0:30:00

AVC-1989-151-1/1 **Neptune Encounter Highlights Resource Tape**
VTV-95
21 segments consisting of computer animation (C.A.) and animation made from real (Real) Voyager Neptune encounter data, for use as a resource tape.

1. Viewing Neptune from Triton (C.A.) - 0:59
2. Diving Over Neptune to meet Triton (C.A.) - 0:46
3. Catching Triton in its Retrograde Orbit (C.A.) - 0:42
4. Encountering Neptune's Magnetopause (C.A.) - 0:59
5. Close Encounters with Neptune and Triton (C.A.) - 0:56
6. View from Earth of Voyager's Occultation (C.A.) - 0:27
7. Encounters Neptune and Triton (C.A.) - 4:34
8. Nodding Image Motion (C.A.) - 0:58
9. Voyager Rotation Movie (Real) - 1:29
10. Voyager Approach Movie (Real) - 3:16
11. Neptune Weather Movie (Real) - 2:26
12. Neptune Global Rotation Movie (Real) - 1:15
13. Real Time Images Sample (Real) - 3:30
14. Voyager at Triton (Real) - 0:48
15. Neptune's Rings (Real) - 0:42
16. Neptune's Atmospheric Features (Real) - 1:41
17. Neptune's Atmosphere in Motion (Real) - 1:44
18. The Great Dark Spot (Real) - 1:03

19. Flight over Triton Movie (Real) - 0:43
20. A Farewell (Real) - 1:20
21. Triton's Active Plumes (Real) [AVC-90-024] - 3:30
Made 9/10/89, revised 11/28/89
Audience: Resource
Client: Voyager Project/PIO, Org. 1810
Master: 1"C Submaster: DVCPro25
Audio 1: Mix 2: Mix
11/28/1989 - 0:32:38

AVC-1989-154-1/1
VTV-103

Voyager Last Picture Show
An overview of the Neptune Encounter blending computer animation, actual photos, data, and music.
Audience: JPL
Client: Phil Neuhauser
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/18/1989 - 0:05:30

AVC-1989-158-1/1
J

JPL Computer Animations
"Winds of Jupiter"
"Pioneer II Saturn Encounter"
"Voyager at Uranus"
Audience: Resource
Client:
Master: 1"C
Audio 1: 2:
09/01/1989 - 0:20:00

AVC-1989-161-1/1

SIGGRAPH - Voyager Retrospective
Made for a SIGGRAPH presentation by the JPL Computer Graphics Lab
Audience: Resource
Client:
Master: 1"C
Audio 1: Narration 2: Music8
07/01/1989 - 0:03:00

AVC-1990-017-1/1
VTV-102

Voyager: National Air & Space Museum
A recap of Voyager's travels to the outer planets using excerpts out of previous tapes.
Audience: Gen.
Client: G. Alexander, Org. 1800
Master: 1"C Submaster: 1"C
Audio 1: Mix 2: Mix

10/10/1989 - 0:04:30 Producer: Inova

AVC-1990-023-1/1 **Telerobotic Control From 3000 Miles**
Telerobotic Control From 3000 Miles
LONG VERSION
Channel 1 - Narration; - Channel 2 - Music
Audience:
Client: B.Bon/B.Hansen(Inova)
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/21/1989 - 0:07:00

AVC-1990-024-1/1 **Voyager II: Triton's Active Plumes**
VTV-109 Voyager II: Triton's Active Plumes
Silent
Audience:
Client: Lawson
Master: 3/4" Submaster: 1"C
Audio 1: Silent 2: Mono mix
11/21/1989 - 0:03:40

AVC-1990-025-1/1 "**COBE**"
Cobe
Ch.1: Full Mix
Ch.2: Music Effects & Actualities
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/29/1989 - 0:12:56

AVC-1990-026-1/1 **The Hubble Space Telescope**
Pre-launch story of the Hubble Space Telescope. Produced by BDM International for NASA Hq. Astrophysics Division
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
05/01/1989 - 0:27:16 Producer: BDM International

AVC-1990-027-1/2 **STS-34 Mission Highlights Resource Tape**
STS-34 Mission Highlights Resource Tape
Audio Channel 2 Produced at Johnson Space Center
Audience:
Client:
Master: 3/4"

Audio 1: Mono mix 2: Mono mix
11/28/1989 - 1:30:00 Producer: Johnson Space Center

AVC-1990-027-2/2 **STS-34 Mission Highlights Resource Tape**
STS-34 Mission Highlights Resource Tape
Audio Channel 2 Produced at Johnson Space Center
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/28/1989 - 1:30:00 Producer: Johnson Space Center

AVC-1990-030-1/1 **STS-34 Post Flight Press Conference**
STS-34 Post Flight Press Conference
Audience:
Client:
Master:
Audio 1: Mono mix 2: Mono mix
10/01/1989 - 0:15:00

AVC-1990-034-1/1 **The Martian Investigators**
VTV-108 Documentary of the Mariner 6 and 7 July and August, 1969 fly by Mission to Mars. Features the team of scientists who planned and built the experiments.
Film-to-tape transfer of 1969 film JPL 900 (HQ-195).
Produced by Drew Associates for JPL.
Audience: Gen.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JPL 900
12/31/1969 - 0:28:00 Producer: Drew Associates

AVC-1990-038-1/2 **STS-34 Mission Highlights Resource Tape**
STS-34 Mission Highlights Resource Tape
Audience:
Client:
Master:
Audio 1: Mono mix 2: Mono mix
11/13/1989 - 0:53:21

AVC-1990-038-2/2 **STS-34 Mission Highlights Resource Tape**
STS-34 Mission Highlights Resource Tape
These tapes were produced at Johnson Space Center
Audience: Site: JSC
Client:
Master:

Audio 1: Mono mix 2: Mono mix
11/13/1989 - 0:46:00

AVC-1990-040-1/1 **Chapters in Aerospace History Interviews - Dr. Lew Allen Jr.**
Made for the Museum of Science and Industry archives. Dr. Lew Allen Jr., Director of The Jet Propulsion Laboratory (JPL), 1982-1990. He is interviewed by Dr. Al Hibbs.
Audience: Resource Site: JPL
Client: Shirley Thomas
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/05/1989 - 1:12:15 Producer: Lawson

AVC-1990-044-1/1 **Robotic Control From 3000 Miles**
Robotic Control From 3000 Miles
Short Version. Demonstrates remote control of a manipulator from KSC to JPL.
Audience:
Client: Giulio Varsi/Bon Hansen (
Master: 1"C
Audio 1: Narration 2: Effects
12/15/1989 - 0:04:30

AVC-1990-045-1/1 **Hubble Space Telescope: Compilation - Preparation for STS-31 Launch**
Raw footage with natural sound.
Tape location | length
1) 0:00:00 | 08:00 6/21/89 - STS-31: Cleaning of VPF for Hubble Space Telescope (HST).
2) 0:08:00 | 03:00 7/11/89 - VPE Airlock Adapter: Cleaning of VPF for HST.
3) 0:11:08 | 03:00 10/8/89 - HST in the VPF.
4) 0:14:15 | 09:00 10/9/89 - HST Lift to Vertical.
5) 0:23:32 | 17:30 10/10/89 - HST Lift to Work Platform.
6) 0:41:00 | 13:00 10/12/89 - HST Protective Cover Installation.
7) 0:53:12 | 08:30 12/20/89 - HST Widefield Planetary Camera Installation.
8) 1:01:00 | 04:33 12/11/89 - HST Widefield Planetary Camera in Hanger "S".
Audience: Resource Site: KSC
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/20/1989 - 1:05:33 Producer: KSC

AVC-1990-046-1/1

STS-31: Hubble Space Telescope
STS-31
Hubble Space Telescope
Widefield Planetary Camera Install Hangers
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/20/1989 - 0:12:50

AVC-1990-047-1/2 **STS-31:Hubble Space Telescope & Compiled Field Footage**
STS-31:Hubble Space Telescope & Compiled Field Footage.
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
06/21/1989 - 0:53:00

AVC-1990-047-2/2 **STS-31:Hubble Space Telescope & Compiled Field Footage**
STS-31:Hubble Space Telescope & Compiled Field Footage.
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
06/21/1989 - 0:12:20

AVC-1990-049-1/2 **History of Robotics**
VTV-119 History of Robotics, Science Fiction and Science Fact. A talk on Robotic History. Includes Film Clips and Slides.
Audience:
Client: Dr. L.S. Coles
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/18/1990 - 1:33:40 Producer: Lawson

AVC-1990-049-2/2 **History of Robotics**
History of Robotics, Science Fiction and Science Fact. A talk on Robotic History. Includes Film Clips and Slides.
Audience:
Client: Dr. L.S. Coles
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/18/1990 - 0:09:31 Producer: Lawson

AVC-1990-055-1/1 **Exploring The Planets**

Film-to-tape transfer
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/17/1990 - 0:11:30

AVC-1990-057-1/1 **The Log of Mariner IV**
Story of Mariner IV's flight to Mars. The spacecraft was launched November 28, 1964. In July, 1965, it took the first close-range images of Mars, confirming the existence of surface craters. Entered solar orbit.
NOTE: Transferred from a worn film print 1/25/90.
Audience: Gen.
Client: S. Bridges, Org. 182
Master: 1"C
Audio 1: Mono mix 2: Mono mix JPL 618
12/01/1965 - 0:28:00

AVC-1990-061-1/1 **To The Planets From The Space Station**
A narrated production consisting mostly of cell animation and some computer trajectories. The production contrasts three different launch options from the Space Station.
Audience: Managers and funding sources.
(Inova)
Audience:
Client: Paul Henry, Org. 311
Master: 1"C Submaster: 1"C
Audio 1: Narration 2: Effects
01/01/1990 - 0:05:00

AVC-1990-063-1/1 **Galileo Venus Flyby Press Release**
(Updated Version)
Audience:
Client:
Master:
Audio 1: Mono mix 2: Mono mix
02/09/1990 - 0:04:00

AVC-1990-065-1/1 **Galileo Venus Flyby Press Briefing**
Audience:
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/10/1990 - 0:58:00

AVC-1990-067-1/1 **The Soviet's Mars Rover Sampler Return**
VTV-123 "Phobos"
5:00
NOTE: Dubbed from VHS tape from the Soviet Union.
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/08/1988 - 0:09:00

AVC-1990-070-1/1 **Voyager 1 Saturn Encounter and Ring Rotation**
Voyager 1 Saturn Encounter - 5:00
Voyager 1 Saturn Ring Rotation - 1:00
(movie repeats one time)
Audience: Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
/ / - 0:06:00

AVC-1990-071-1/1 **Voyager Resource Releases: Uranus & Neptune**
Uranus and Satellites Rotation Movie - 4:00 Voyager at Uranus - 9:00
Uranian Moon Rotation - 1:00
Voyager II Encounters Uranus and Neptune - 7:00
8 Frame Orange Movie - 5:00
Audience: Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
/ / - 0:26:00

AVC-1990-072-1/1 **Voyager 1 Resource Releases: Saturn**
Voyager 1 Saturn Encounter 1980 - 6:10
Voyager 1 Saturn Rotation & Ring - 1:15
Voyager 1 Saturn Computer Simulation - 4:40
Audience: Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
/ / - 0:12:05

AVC-1990-073-1/1 **Voyager Resource Releases: Jupiter Animations and Images**
Jupiter Color Rotation and Zoom - 6:00
Jupiter B & W Rotation & ring - 11:00

Voyager 1 Animation - 11:00
Mission 2 Excerpt Images - 21:00
Audience: Resource Site: JPL
Client: PIO
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/02/1995 - 0:49:00 Producer: Savona

AVC-1990-074-1/1 **Voyager Encounters: Jupiter, Saturn, Uranus and Neptune**
Audience: Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
/ / - 0:14:00

AVC-1990-075-1/1 **Voyager 2 Saturn Ring Movies**
Voyager 2 Saturn Ring Movie #1 - 4:00
Voyager 2 Saturn Ring Movie #2 - 2:00
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/01/1981 - 0:06:00

AVC-1990-076-1/1 **Voyager 1 Resource Releases: Jupiter**
Voyager 1 Encounter - 3:00 Min
Voyager 1 Approach to Jupiter - 2:00 .
Voyager 1 Jupiter Rotation - 6:00
Voyager 1 Jupiter Approach (Blue Filter) - 3:00
Audience: Resource
Client:
Master: 3/4" Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
/ / - 0:14:00

AVC-1990-076-2/2 **Voyager 1 Resource Releases: Saturn**
Voyager 1 Saturn (Narrated) - 12:00
MIMAS - 00:42
Voyager 1 Encounter - Saturn (Narrated) - 5:00
Audience: Resource
Client:
Master: 3/4" Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
/ / - 0:17:42

AVC-1990-077-1/1 **Voyager Resource Releases: Uranus & Neptune**

Voyager Encounter Uranus - 5:00
Voyager Neptune Encounter VU-2 - 12/5/85 - 01:15
Audience: Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
/ / - 0:06:15

AVC-1990-079-1/1 **Voyager II Encounters Uranus**
Jim Blinn Animation, Revised
Audience: Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/02/1986 - 0:07:00

AVC-1990-080-1/1 **Chapters in Aerospace History Interviews - Mr. Dale Myers**
VTV-126 Interviewed by Dr. Al Hibbs
Made for the Museum of Science and Industry archives.
Audience: Resource Site: 186-Studio
Client: Shirley Thomas
Master: M-II Submaster: M-II
Audio 1: Mono mix 2: Mono mix
03/06/1990 - 1:30:00

AVC-1990-083-1/2 **Global Change Dynamics**
An edited production showing computer simulated data of the Earth's atmosphere.
Audience: NASA
Client: Sam Benedict
Master: 1"C
Audio 1: Mono mix 2: Mono mix
03/04/1990 - 0:07:35 Producer: Savona

AVC-1990-083-2/2 **Global Change Dynamics (revised)**
An edited production showing computer simulated data of the Earth's atmosphere.
(added new images and music)
Audience: NASA
Client: M. Chahine
Master:
Audio 1: Mono mix 2: Mono mix
06/06/1990 - 0:08:35 Producer: Savona (Hanchett)

AVC-1990-085-1/1 **Voyager and Galileo Animation**
1st Segment Shows Voyager

Spacecraft Crossing Starfield;
2nd Segment depicts Galileo's Earth-Venus-Earth
trajectory and gravity assists from Venus.
(JPL Computer Graphic Lab)
Audience: Gen.
Client:
Master: 1"C
Audio 1: Silent 2:
03/07/1990 - 0:04:00 Producer: Savona

AVC-1990-086-1/1 **Galileo Venus Flyby Press Footage**
A non-narrated videotape assembled for the Venus Flyby Press Briefing on February 10, 1990
Audience: Resource
Client: Bob Mac Millin
Master: 1"C Submaster: 1"C
Audio 1: Silent 2:
01/12/1990 - 0:03:00

AVC-1990-090-1/1 **Voyager**
Tour tape with Al Hibbs explaining how a picture comes back from space.
1980
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
/ / - 0:19:00

AVC-1990-091-1/1 **8 Frame Orange Movie**
High Pass Filtered
1/86
Audience:
Client: Brad Smith
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
/ / - 0:05:00

AVC-1990-095-1/1 **Voyager: The Grand Tour**
VTV-152 Produced by Martin Marietta. Ken Colby Animation or interactive pictures from Voyager 1 and 2 missions with sound bytes from Dr. Ed Stone, Andy Ingersoll and sounds of earth. Takes us through Voyager mission from launch and gives a description of what was found at each planet starting at Jupiter going through Saturn, Uranus, Neptune and into future missions.

Audience: Gen.
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/29/1990 - 0:17:51 Producer: Martin Marietta

AVC-1990-097-1/1 **Historical Voyager Footage with Gold Record Installation**
Film-to-tape transfer
1978
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/01/1978 - 0:16:00

AVC-1990-099-1/1 **Magellan Launch & Deployment at SFOF**
Highlights of SFOF action during STS-30. Includes launch and deployment footage.
Audience:
Client: Al Conrad
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
/ / - 0:07:20

AVC-1990-102-1/2 **Mars Trajectory Graph Animation**
Raw Stock
Jan. 1990
Audience:
Client: Paul Henry
Master: 1"C
Audio 1: Narration 2: Effects
01/01/1990 - 0:01:00

AVC-1990-102-2/2 **Mars Trajectory Graph Animation**
Raw Stock
Jan. 1990
Audience:
Client: Paul Henry
Master: 1"C
Audio 1: Narration 2: Effects
01/01/1990 - 0:01:00

AVC-1990-103-1/1 **EOS-SAR Computer Animation Segments**
Raw Stock
JPL Computer Graphics Lab
Audience:

Client:
Master: 1"C
Audio 1: Silent 2: Silent
04/24/1990 - 0:08:00

AVC-1990-104-1/1 **Excerpts from JPL AV Productions"**
1. To The Planets
2. Life and The Solar System
3. Cosmic Worms
4. Galileo: The Jovian Laboratory
5. Voyager: National Air & Space Museum
6. Neptune Encounter
Feb. 1990 (Audio Mixed)
Audience: JPL Resource
Client: Steve Bridges
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/30/1990 - 0:20:00

AVC-1990-105-1/1 **Insight to Global Change: The EOS-SAR Mission**
VTV-155 The production explains the value of JPL's unique technology, Synthetic Aperture Radar (SAR) as a vital part of NASA's global research program. Includes an explanation of global warming, experimentation with the SAR in the rain forests of Belize and monitoring of the polar ice flows.
Audience: Gen. Site: Belize
Client: Tom Barber
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/30/1990 - 0:08:30 Producer: Inova

AVC-1990-106-1/1 **STS-32 Video News Release**
Long Duration Exposure Facility (LDEF) is coming home
Protein Crystal Growth
Produced by Marshall Space Flight Center
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/06/1989 - 0:05:15

AVC-1990-107-1/1 **STS-32 Mission**
"Long Duration Exposure Facility"
Nov. 1989
Produced by Langley Research Center
Audience:

Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
/ / - 0:04:00

AVC-1990-108-1/1 **STS-32 Mission**
"Long Duration Exposure Facility"
Retrieval Animation
Nov. 1989
Produced by Langley Research Center
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
/ / - 0:04:00

AVC-1990-109-1/1 **Chapters in Aerospace History Interviews - Prof. Hermann Oberth**
VTV-133 Edited a videotape shoot by the Museum of Science
and Industry. English translation by Dr. Al Hibbs. The late
Prof. Hermann Oberth's interviewed on his 95th birthday.
Audio: German interview - Channel 2
English translation - Channel 1
Audience: Resource
Client: G. Alexander/S. Thomas, Org. 180
Master: 1"C Submaster: 1"C
Audio 1: English 2: German
05/04/1990 - 0:19:04 Producer: Lawson

AVC-1990-116-1/2 **First Light Press Briefing**
Hubble Space Telescope
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
05/10/1990 - 1:00:00

AVC-1990-116-2/2 **First Light Press Briefing**
Hubble Space Telescope
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
05/10/1990 - 1:17:00

AVC-1990-121-1/1 **STS-31 Post Flight Press Conference**
Hubble Space Telescope - JSC

Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/06/1990 - 0:22:00

AVC-1990-122-1/1
VTV-140

Voyager Science Summary Tape
Developed by Solar System Visualization Program for a press conference on June 6, 1990, presented by Dr. Edward Stone. Includes:
VOYAGER - A RETROSPECTIVE, 4:23 (Stand-alone production with narration) This production was produced to depict the success of the Voyager spacecrafts as demonstrated by the data that was beamed back from the most distant corners of our solar system. From Voyager 1's vantage point a rare opportunity was seized, as the spacecraft photographed our solar system.
The following segments are recent manipulations of Voyager data (music only):
THE SOLAR SYSTEM, 2:47
VOYAGER 1 AND 2 OUTER PLANET ATMOSPHERES, 3:26
SHALLOW WATER MODEL, 1:15
NEPTUNE'S ATMOSPHERE, 1:50
NEPTUNE KIDA VORTEX MODEL, 0:53
NEPTUNE'S CRESCENT, 2:00
MAGNETIC FIELD OF JUPITER, 0:29
MAGNETIC FIELD OF URANUS, 0:53
EARTH'S MOON, 1:14
GANYMEDE, 0:42
ENCELADUS, 0:36
TRITON, 1:11
IO, 1:23
THE SOLAR SYSTEM, 2:47
NOTE: see full description sheet in file 90-122.AVC
Audience: Resource
Client: Eric De Jong
Master: 1"C Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/06/1990 - 0:28:21 Producer: Savona

AVC-1990-123-1/1
VTV-141

Voyager Missions: Solar System Image and New Findings
Press conference from NASA HQ on latest analysis of Voyager data, including the "Family Portrait" (VPLANET) mosaic of the Solar System. The data was presented by Dr. Ed Stone, Voyager Project Scientist, and comments by Dr. Carl Sagan. Included segments from AVC-90-122. Produced at NASA

HQ.
Animations developed by Solar System Visualization Program
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/06/1990 - 1:30:00

AVC-1990-126-1/1 **Space Telescope Science Institute Computer Animation**
Computer animated visualization of space telescope and other cosmic phenomena. Produced by The Astronomy Visualization Laboratory of The Space Telescope Science Institute.
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/14/1990 - 0:14:28

AVC-1990-128-1/28 **Voyager Film Rawstock Footage - Jupiter #1 + Viking, Surveyor, Pioneer**
Film to tape transfer
NO AUDIO
1. Various shots of Mission Control room at Jupiter encounter.
2. Meeting with 8 men. Voyager model on desk.
3. Shots of signals from Voyager printed on paper.
4. @ 4:25: more shots of Mission Control room, "Command Operator."
5. Office with the model of Voyager and a film crew; Bob Parks on phone @ 6:40.
6. Three men (Bruce Murray, Paul Westmoreland, other) holding a conversation, panning to a wide shot of room.
7. Woman looking at monitors; other control room shots.
8. Viking Mars landing celebration (Fletcher on phone, Jim Martin, champagne toast by many men).
9. Voyager spacecraft assembly in clean room @ 5:30.
10. Animation of Io and Jupiter.
11. Various shots of Surveyor and shots of itself digging on the lunar surface.
12. Two shots of Pioneer 3 spacecraft.
13. Voyager spacecraft being lowered into test position in clean room; mounting high gain antenna @ 20:30.
14. Animation of the solar system and of Jupiter and Voyager.
Audience: Resource Site: JPL

Client:
Master: 1"C
Audio 1: Silent 2: Silent
(old designation- Hour 1)
03/12/1990 - 0:22:00

AVC-1990-128-2/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #1**
Film to tape transfer
1. Shot of Photolab with an explanation of the black & white and color photos that are made there.
2. Close-up of Dick Laeser watching incoming data on a monitor; with Charlie Kohlhase.
3. Shots in a conference room. Man speaking on the scan platform problems after Saturn encounter.
4. Close-up of Ed Stone asking a question; also Brad Smith, L. Lane.
5. Shots in the Press room.
6. Shots during a press conference on Enceladus in Audiovisual booth, post-Saturn encounter.
7. Shots of a meeting in progress, with Charles Kohlhase: sticking scan platform
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 1)
03/12/1990 - 0:29:06

AVC-1990-128-3/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #2**
Film to tape transfer
1. Various shots of press conference with P.I.'s and the open forum in von Kármán Auditorium w/100 people about Jupiter atmosphere. Loses sound in middle, comes back.
2. Driving shots up Oak Grove to JPL and turning at visitors' parking lot.
3. People getting off bus and arriving for encounter.
4. Different shots of the open house for Voyager 2 at Saturn encounter.
5. Meeting in a conference room concerning images, Stone et al. No sound
6. Shot of press conference, zoom on Carl Sagan on floor; no sound @ 22:12.
7. Montage of quick clips of meetings, press conferences, @ :55; no sound.
Audience: Resource Site: JPL
Client:

Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 1:30)
03/09/1990 - 0:27:51

AVC-1990-128-4/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #3**
Film to tape transfer
1. Shots at control room. No sound.
2. Small meeting. No sound.
3. Shots of Blue Room with Al Hibbs and a man. No sound.
4. Meeting in a glass conference room. No sound.
5. Shots of three men in a room comparing data. No sound.
6. Various shots of Voyager control room, close-ups, two shots zoom outs, monitors.
7. Shots of Radio Science area with people at . 8. Various shots of press conference about Hailey's Mission with J. Beggs, Murray, Stofen; Julies Bergman asks a question. (Shows Gregoire and Borst, the latter @ 22:54) No sound in beginning.
9. Shots outside SFOF for visit of Ed Meese, and his departure. Also shows Terhune and Murray
Audience: Resource Site: JPL
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 2:00)
03/09/1990 - 0:29:00

AVC-1990-128-5/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #4**
Film to tape transfer
1. Office with people (Lane) looking at monitor for star occultation: loud cheering; good shots.. (Borst @ 6:27)
2. Control room at 264, Radio Science control, three guys [also in T4 film]. No sound.
3. Cake cutting for PPS ["Positively Phantastic Science"] ; Lane Shows a black-frosted sheet cake with one lit candle that shines through the rings of a model Saturn mounted on the cake's surface: celebrates star-ring occultation. At beginning: no sound..
4. Meeting with Brad Smith.
5. An artist explaining his metaphor drawings for Voyager facts. End: no sound.
6. Mr. Beggs on tour; a woman explaining to him star imaging, with various close ups, with "Stofen," Parks. Laeser..
Audience: Resource Site: JPL

Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 2:30)
03/12/1990 - 0:25:51

AVC-1990-128-6/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #5**
Film to tape transfer
1. Science meeting in 264 studying pictures of rings. No sound. With Lane Masurgsky, Stone.
2. Three men analyzing data.
3. Different shots of the imaging room. 3 men viewing b & w pictures on a small monitor.
4. Press conference with Dick Laeser talking about scan platform problem. Briefly loses sound in middle.
5. Photolab frolics: Deitz et al preparing press kit packages.
6. More shots of the press conference. No sound.
7. Meeting in a glass room. Speaking about slew data.
8. Various shots of the mission control room. @ 26:30 man says "We're having trouble sending up a command."
Audience: Resource Site: JPL
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 3:00)
03/12/1990 - 0:27:00

AVC-1990-128-7/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #6**
Film to tape transfer
1. Computer room, different shots, close up of plotter and printers; two men looking at data and ring analysis.
2. Photo meeting with Brad Smith, J. Van der Woude et al: discussing releasing images.
3. Science meeting with Dick Laeser.
4. Science meeting, with Viewgraphs and Dick Laeser; various shots.
5. Shots of Radio Science operations. Men looking at small monitors.
6. Some close up shots.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 3:30)
03/09/1990 - 0:29:43

AVC-1990-128-8/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #7**
Film to tape transfer
1. Shots of Radio Science operations [as seen in part 7]. Nice overhead shot.
2. Press conference with Ed Stone talking about Saturn's rings. Brad Smith at the end of it.
3. Shots of the camera crews at the press conference. No sound.
4. Science meeting, man showing Viewgraphs on the atmospheric activity on Saturn. Medium shots of Ed Stone.
5. Picture meeting with Brad Smith, Torrence Johnson, Van der Woude. Discusses what images to release. Loses sound at end.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 4:00)
03/16/1990 - 0:29:30

AVC-1990-128-9/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #8**
Film to tape transfer
1. Picture meeting continued from part 6. no sound, short.
2. Science meeting talking about F ring. Ed Stone asking questions; L. Lane.
3. Meeting in glass room in 264.checking on status of the spacecraft. Lost sound at end. Repeated sound in part.
4. Shots of press conference. Rich Terrile speaks about the E ring. No sound in the beginning. Lost sound at end.
5. Shots of navigation area. People talking, shots of monitor screens, etc. No sound. "Navi-Gators" logo on wall.
Audience: Resource Site: JPL
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 4:30)
03/16/1990 - 0:30:00

AVC-1990-128-10/28 **Voyager Film Rawstock Footage - Voyager 2/Saturn tape #9**
Film to tape transfer
1. Man at data phone. No sound.
2. Science meeting. Man showing viewgraphs. No sound.
3. Shots in an office building. Costume pinned to wall labeled "Dearth Falcur: Ghost of FSMan 2".
4. Close up of woman at console. No sound.

5. Various shots of people in 264 mission control, three men at a console. No sound.
6. Small model of Voyager in a room. No sound.
7. More shots of people at consoles in: the 3 Radio Science guys.
Audience: Resource Site: JPL
Client:
Master: 1"C Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 5:00)
03/16/1990 - 0:26:03

AVC-1990-128-11/28 **Voyager Film Rawstock Footage - Voyager 2/Uranus tape #1**
Film to tape transfer
1. Various shots of people, of charts and monitors from 264 third floor. Tour of offices. No sound.
2. Science meeting with Ed Stone and close ups of the other men in the room, e.g. E. Miner, L. Lane. No sound.
3. Various shots of 16 men getting ready for a group picture outside at the mall. Stone, Smith, Lane, Laeser, et al. No sound.
Audience: Resource Site: JPL
Client:
Master: 1"C Submaster: DVCPro50
Audio 1: Silent 2: Silent
(old designation- Hour 1:00)
03/09/1990 - 0:27:43

AVC-1990-128-12/28 **Voyager Film Rawstock Footage - Voyager 2/Uranus tape #2**
Film to tape transfer
1. Interview with Kathryn Sullivan (astronaut). Part 2. 8 min.
2. Various shots of Voyager control room, 264. Starts with an establishing shot. [room configuration changed]: plotters, monitors.
3. Interview with Kathryn Sullivan (astronaut). Part 1. 6 min.
4. Science meeting with a man with Viewgraphs.
5. Shots of Photolab finishing area: making press kits, attaching photo captions (Deitz et al).
6. Forum for press conference. Torrence Johnson and Masurgsky speak. No sound.
Audience: Resource Site: JPL
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

(old designation- Hour 1:30)
03/09/1990 - 0:29:46

AVC-1990-128-13/28 **Voyager Film Rawstock Footage - Voyager 2/Uranus tape #3**
Film to tape transfer
1. Forum press conference in von Kármán Auditorium. Same as tape part 12.
Much background noise. Lost sound at end.
2. Torrence Johnson speaks on geological evolution.
3. Various shots outside on the mall. One shot following Lew Allen up into Building 180. No sound.
4. Also some shots outside west gate trailer signs; trailers; fountain; flowers. No sound.
5. Press conference in auditorium with white haired German investigator. No sound at end.
6. Shots of auditorium control booth with Gary Savona and Marian Inova. No sound.
7. Shots of news room @ :08 good. No sound.
8. Blue room show with Al Hibbs and Larry Soderblom. No sound.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 2:00)
03/09/1990 - 0:29:55

AVC-1990-128-14/28 **Voyager Film Rawstock Footage - Voyager 2/Uranus tape #4**
Film to tape transfer
1. Blue room show with Al Hibbs and Larry Soderblom. No sound.
2. Press conference in auditorium. Shots of other camera operators. No sound.
3. Model of flyby of Uranus. No sound. [items 2 and 3 transferred twice]. Press conference with shots of camera operators. No sound.
5. Press conference at auditorium, panel discussion with Ed Stone among others. No sound.
6. Shot of audiovisual booth at auditorium.
7. Men at Mission Control console in control room, No sound.
8. Various other shots of people in the control room in: Radio Science, 3 people. No sound.
9. Same type of shots, example- a three shot + woman typing on keyboard; man marking chart.
Audience: Resource Site: JPL
Client:

Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 2:30)
03/12/1990 - 0:29:15

AVC-1990-128-15/28 **Voyager Film Rawstock Footage - Voyager 2/Uranus tape #5**
Film to tape transfer
1. Various shots of Voyager control room. No sound towards end.
2. Close up shots of the ceiling signs above the different areas. No sound.
3. More various shots of people (e.g., M.L. Mays, on badge) working in Voyager control room in Building 264. No sound.
Audience: Resource Site: JPL
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 3:00)
03/12/1990 - 0:14:35

AVC-1990-128-16/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #1**
Film to tape transfer
Voyager 2/Neptune part #1
1. Photo meeting with Imaging team, Smith, Van Der Woode; 11 minutes long.
2. Press room in auditorium. Starts with two shot, goes to close ups and other shots: radio and print reporters, using keyboards, on phones.
3. Science meeting from Room 167. Man with viewgraphs. Shot from in back.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 1:00)
03/12/1990 - 0:28:40

AVC-1990-128-17/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #2**
Film to tape transfer
1. Woman with Viewgraphs speaking on bowshock crossing. Man speaking on new moons, etc.
2. Press conference in von Kármán Auditorium. 3 men + Carolyn Porco speak on Triton's atmosphere, rings. Loses sound at end.
3. Science meeting. Brad Smith speaks on rings. Woman speaks on bowshocks + other reports. Stone presides (Krimegis:

c.u. of his badge).
4. Press conference in auditorium. Man speaks on Neptune's Atmosphere.
Audience: Resource Site: JPL
Client:
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 1:30, 128T16M/2)
03/09/1990 - 0:29:05

AVC-1990-128-18/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #3**
Film to tape transfer
1. Press conference in von Kármán Auditorium, Torrence Johnson speaks.
2. Press conference, panel Q & A. Ed Stone, Carolyn Porco, Torrence Johnson, + 3 others..
3. Larry Soderblom speaks + another man (shows Neptune rotation "movies").
4. Outside (curtain backdrop to a podium) in mall area, the beginning of Dan Quayle's speech (Gregoire), many people.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 2:00, 128T17M)
03/09/1990 - 0:29:59

AVC-1990-128-19/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #4**
Film to tape transfer
1. Quayle's speech continued, outside in the mall area.
2. Quayle's speech Q & A, in the von Kármán Auditorium.
3. Driving up the street toward JPL past all the cars and TV trucks. No sound.
4. Inside the photo trailer with Van der Woode working through walk-up window.
5. Outside, shots of security and others (including Borst).
6. Inside the decorated blue room with Al Hibbs and guests (with IMAX camera filming)..
7. Press conference in auditorium with Ed Stone and a man (Triton UVS) + a man (magnetosphere)..
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 2:30, 128T18M)
03/09/1990 - 0:29:29

AVC-1990-128-20/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #5**
Film to tape transfer
1. Press conference in von Kármán Auditorium. One man at a time speaking on magnetopause, radiation belts, Lane, Smith, man (rings), Soderblom.
2.27 Press conference panel Q & A with Andy Ingersoll, Larry Soderblom, Ed Stone, N.Ness, D.Guernott, J.Warwick..
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 3:00, 128T19M)
03/09/1990 - 0:27:00

AVC-1990-128-21/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #6**
Film to tape transfer
1. Photo meeting with Brad Smith, and others.
2. Unknown office with 9 people watching two men at keyboards.
3. Control room in Building 264. Various shots of people.
Photo trailer, Van der Woude asleep @ 3:25.
5. Science meeting with Larry Soderblom.
6. Various shots of 3 other crews filming Brad Smith and Torrence Johnson speaking with Carl Sagan @ 7:00.
7. Office with people watching monitors: Triton images.
Various dark and lit rooms with many people watching monitors and talking about it: Soderblom, Stone, Smith:
Triton images @ : Very good @ 25:25: sleeping bag under desk @ 27:30: Sagan, Smith, Johnson: Triton images.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 3:30, 128T20M)
03/09/1990 - 0:29:25

AVC-1990-128-22/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #7**
Film to tape transfer
1. Science meeting. Loses sound at end.
2. Auditorium: Van der Woude showing images to a woman. No sound.
3. 264, Voyager control room. Shots of people during a scan platform maneuver.
4. Shots of Radio Science area [reconfigured since Uranus encounter]. Lost sound in the middle.

5. Press room auditorium. Newsman saying a piece of news over the phone, with laptop computer.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 4:00, 128T19/2M)
03/09/1990 - 0:29:25

AVC-1990-128-23/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #8**
Film to tape transfer
1. Press room auditorium, Newsman saying a piece of news over the phone [same as in film 19/2].
2. Computer imaging lab. Various shots.
3. 167 science meeting. Carolyn Porco talking on rings. Others (Smith, Stone, Miner, Lane et al) also talk.
4. Inside the sound booth in auditorium for a press conference (Bridges, Borst).
5. Press conference in von Kármán Auditorium with Ed Stone and Brad Smith.
6. Press conference Q & A. Shots of Ed Stone and Brad Smith at podium and seated (@ 23:30 good).
7. Press room auditorium. Shots of news people and PIO desk.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 4:30, 128T22M)
03/09/1990 - 0:29:50

AVC-1990-128-24/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #9**
Film to tape transfer
1. Press room auditorium, various shots around the room.
2. Photo meeting with the imaging team.
3. Science meeting starts closeups, no sound.. Press conference in auditorium with Norm Haynes.
Shots of IMAX.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 5:00, 128T24M)
03/09/1990 - 0:29:48

AVC-1990-128-25/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #10**
Film to tape transfer

1. Press conference in auditorium with Norm Haynes. Others (e.g., Stone) talk about magnetosphere and rings.
2. Blue room with Steve Wall. Different shots on the live set.
3. Blue room with Al Hibbs. No sound.
4. Press conference in auditorium. "Voyager II at Triton" movie shown; Brad Smith and Ed Stone speak.
5. Press conference Q & A, Norm Haynes, Norm Ness, B.Mauk, D. Gurnett, L Esposito, L. Tyler, Ed Stone, Andy Ingersoll, Larry Soderblom.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 5:30, 128T24M)
03/09/1990 - 0:29:44

AVC-1990-128-26/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #11**
Film to tape transfer
1. Press conference Q & A [as in tape 10] and closing remarks by Bob MacMillen.
2. Press conference with Norm Haynes, Ed Stone, Larry Soderblom, Gurnett, Ness, McNutt,. then to Q & A.
3. Voyager control room, 264. Various shots of people at different controls.
4. Press conference Q & A with Brad Smith, Ed Stone, B. Sandel, Lane, J. Belcher, T. Krimigas..
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 6:00, 128T26M)
03/09/1990 - 0:29:45

AVC-1990-128-27/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #12**
Film to tape transfer
1. Press conference Q & A [as in tape 11] with Brad Smith, Ed Stone and others. Same setting but with: Ness, McNutt, Stone, Soderblom.
2. Shots of blue room booth: an Al Hibbs program running; Marian Inova at control console.,
3. Press conference in auditorium: men at podium; with Viewgraph: Ness..
Audience: Resource Site: JPL
Client:
Master: 1"C

Audio 1: Mono mix 2: Mono mix
(old designation- Hour 6:30, 128T27M)
03/09/1990 - 0:29:00

AVC-1990-128-28/28 **Voyager Film Rawstock Footage - Voyager 2/Neptune tape #13**
Film to tape transfer
1. Press conference in von Kármán Auditorium with men at podium; Andy Ingersoll, Norm Haynes, Ed Stone, Brad Smith and another.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 7:00, 128T28M)
03/09/1990 - 0:16:41

AVC-1990-130-1/2 **Ulysses Spacecraft Press Briefing**
From Kennedy Space Center
George Diller - Commentator
John Conway - KSC Dir. Payload
Peter Wenzel - ESA Ulysses Project
Willis Meeks - JPL Ulysses Project MGR.
Derek Eaton - ESA Ulysses Project MGR.
Bruce Melnick -Mission Specialist and Thomas Akers
NOTE: Program starts 8:00 Min. into tape.
Audience:
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
06/26/1990 - 1:00:00

AVC-1990-130-2/2 **Ulysses Spacecraft Press Briefing**
From Kennedy Space Center
George Diller - Commentator
John Conway - KSC Dir. Payload
Peter Wenzel - ESA Ulysses Project
Willis Meeks - JPL Ulysses Project MGR.
Derek Eaton - ESA Ulysses Project MGR.
Bruce Melnick -Mission Specialist and Thomas Akers
NOTE: Program starts 8:00 Min. into tape.
Audience:
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
06/26/1990 - 0:32:00

AVC-1990-131-1/1 **Magellan Model Set-up News Release Footage**
Raw footage, loosely edited, shot in the JPL Mall.
Audience:
Client: PIO/Jim Doyle, Org. 181
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
06/26/1990 - 0:06:31 Producer: Lawson

AVC-1990-132-1/1 **Hubble Space Telescope Press Conference**
Goddard Space Flight Center
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
06/27/1990 - 1:10:00

AVC-1990-134-1/1 **NASA Press Conference**
Briefing on trouble with the Shuttles and the Hubble Space Telescope.
Richard Truly, Dr. Lennard Fisk and Dr. William Lenoir at headquarters - NASA Select
Audience:
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/02/1990 - 1:13:00

AVC-1990-135-1/2 **STS-31 Mission Highlights Resource Tape**
Highlights of STS 31 Mission which included launch of the Hubble Space Telescope. Highlights also have launch, deployment and landing of shuttle.
Umatic copy sent from JSC.
Audience: Site: JSC
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
06/21/1990 - 0:55:00

AVC-1990-135-2/2 **STS-31 Mission Highlights Resource Tape - inflight Press Briefing**
inflight Press Briefing with STS-31 Astronauts regarding the mission to deploy the Hubble Space Telescope. Briefing originates from JSC.
Umatic copy of a JSC Production
Audience: Site: JSC
Client:
Master: 3/4"

Audio 1: Mono mix 2: Mono mix
06/21/1990 - 0:27:00

AVC-1990-136-1/1 **Magellan to Venus**
Cell Animation, Narrated with Music for Press Release.
Shows approach, orbit insertion and mapping sequences.
Audience:
Client: PIO, Jim Doyle
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/09/1990 - 0:03:35 Producer: Inova, Lawson, Savon

AVC-1990-138-1/1 **Planetary Rover Program**
A polished documentary intended to show the successes achieved and progress the to be made in robotic space exploration. The rover's sophistication is demonstrated by an exercise in semi-autonomous navigation which occurs on a rocky canyon floor. Tape includes explanation of project and interviews with key personnel.
Audience: Gen.
Client: G. Varsi/R. Bedard
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/12/1990 - 0:10:00 Producer: Savona

AVC-1990-142-1/1 **15th Apollo/Soyuz Celebration**
VTV-151 Fred Boen, Manager NASA Resident Office and Dr. Lew Allen present plaques to members of the Apollo/Soyuz crew at JPL in the Mall Area.
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
07/19/1990 - 0:28:00

AVC-1990-146-1/1 **Ulysses, A Solar Odyssey**
VTV-163 Film-to-tape transfer of a Media Four production by Charles Finance about the Ulysses Mission to the Sun. The pre-launch production uses graphics, animation and live footage describes how Ulysses will use the gravity of Jupiter to lift it out of the ecliptic plane into polar orbit around the Sun to study the Heliosphere and probe the corona. Other objectives shown include: Solar wind, magnetic fields, cosmic rays and solar flares.
Audience: Gen. Site: JPL
Client: PIL, Org. 180

Master: 1"C Submaster: 1"C
Audio 1: mono-mix 2: mono-mix
07/23/1990 - 0:11:33 Producer: Media Four

AVC-1990-147-1/1 **Magellan Press Conference**
Taped in von Kármán Auditorium. Participants: Tony Spear,Gordon Rendergill, Steve Saunders
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/26/1990 - 1:00:00 Producer: Savona

AVC-1990-148-1/1 **Ulysses Spacecraft IUS Mate Activities Press Release**
NASA Select - Kennedy Space Center
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
07/31/1990 - 0:05:00

AVC-1990-151-1/1 **Magellan: At Venus Report**
Guest: Stephen Saunders (15:00)
Guest: Cheick Diarra (15:00)
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/06/1990 - 0:30:00 Producer: Bridges

AVC-1990-152-1/2 **Magellan Press Conference**
Speakers: Dr. Wesley T. Huntress Jr., Anthony Spear, Ken Ledbetter, Dr. William T. Johnson, Dr. John McCarthy, Dr. R. Stephen Saunders
Audience:
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/09/1990 - 1:30:00 Producer: Savona

AVC-1990-152-2/2 **Magellan Press Conference**
Speakers: Dr. Wesley T. Huntress Jr., Anthony Spear, Ken Ledbetter, Dr. William T. Johnson, Dr. John McCarthy, Dr. R. Stephen Saunders
Audience:
Client:

Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/09/1990 - 0:25:00 Producer: Savona

AVC-1990-153-1/2 **Magellan: At Venus Report**
Guests: Douglas G. Griffith, W.T. Johnson, John Slonski, Keith Hamlyn
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/10/1990 - 1:30:00 Producer: Bridges

AVC-1990-153-2/2 **Magellan: At Venus Report**
Guests: Douglas G. Griffith, W.T. Johnson, John Slonski,Keith Hamlyn
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/10/1990 - 1:00:00 Producer: Bridges

AVC-1990-154-1/1 **Magellan Press Conference**
Speakers:Bob Mac Millan, Dr. A. Fisk, J. Spear, F. Scott, Dr. McNamee, M. Hamlyn, Ken Ledbetter
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/10/1990 - 0:51:00 Producer: Savona

AVC-1990-157-1/1 **Magellan Press Conference**
Speakers: A. Spear, Chris Jones, Jim Marr, Betsy Marlowe, Ray Morris, K. Bouvier
Audience:
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/17/1990 - 0:46:00 Producer: Savona

AVC-1990-159-1/1 **Magellan: At Venus Press Conference**
Speakers: A. Spear, John Slonski, William Johnson, Steve Saunders
Audience:
Client:
Master: M-II Submaster: 3/4"

Audio 1: Mono mix 2: Mono mix
08/21/1990 - 1:15:00 Producer: Bridges

AVC-1990-160-1/1 **Magellan: At Venus Report**
A.J. Spear
8/15/90 - 15:00
David Okerson
8/22/90 - 15:00
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/15/1990 - 0:30:00 Producer: Bridges

AVC-1990-163-1/1 **Magellan Radar Calibration Test Preliminary Results**
NOTE: Description log 90-163.AVC.
Also included in AVC-90-180, COLLECTION OF RESULTS.
Audience:
Client: Eric De Jong
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1990 - 0:03:39 Producer: Savona

AVC-1990-164-1/1 **Magellan: At Venus Press Conference**
VTV-158 Speakers: A.J. Spear, R.S. Saunders, J.P. Slonski,
J.F. McKinney, R.K. Raney.
Mixed Audio
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1990 - 1:10:00 Producer: Savona

AVC-1990-167-1/1 **Magellan: At Venus Report**
R.S. Saunders - 8/29/90 - 15:00
Audience:
Client: Jim Head
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/05/1990 - 0:19:00 Producer: Bridges

AVC-1990-175-1/1 **Ulysses Press Briefing**
FROM KSC
Audience:
Client:
Master: 3/4"

Audio 1: Mono mix 2: Mono mix
09/13/1990 - 0:45:00

AVC-1990-176-1/1 **Magellan: At Venus Report**
Client: Magellan project/PIO (Bridges)
R.S. Saunders - 9/12/90 - 15:00
William Johnson - 9/19/90 - 15:00
Audience:
Client:
Master: 3/4" Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
/ / - 0:00:00 Producer: (Bridges)

AVC-1990-179-1/1 **Magellan Radar Calibration Test Preliminary Results**
NOTE: Also included in AVC-90-180, COLLECTION OF RESULTS.
Audience:
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/25/1990 - 0:02:30

AVC-1990-180-1/1 **Collection of Results from Magellan Radar Calibration Tests**
Simulated color was used to approximate hues which might be seen by the human eye, based on color images recorded by the Venera 13 and 14 spacecrafts. A mosaic of images from selected orbits was used to create the animation sequences.
AVC-1991-031: The first sequence begins with a black and white globe of Venus, created using a combination of Pioneer Venus Orbiter and Venera 15/16 data. It continues with a simulated flight over the northern polar region, concentrating on Ishtar and Maxwell. High resolution Magellan data is displayed in color on top of the data from the earlier mission.
AVC-1990-179: The Second 2½ minute video sequence consisted of four short scenes: (1) a globe of Venus,(2) Golubkina Crater, (3) pan north from 4 degrees south latitude, (4) pan north from 1 degree north.
AVC-1990-163: The third 3½ minute video sequence consists of twelve short scenes. The first eleven scenes pan north to south, from 60 degrees north latitude to 20 degrees north latitude. The last field rendered scene pans south to north, from 20 degrees north to about 24 degrees north, at approximately 287 degrees east longitude.
Audience:
Client: Eric De Jong

Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/16/1990 - 0:09:12 Producer: Savona

AVC-1990-181-1/1 **Magellan: At Venus Press Conference**
Speakers: R. S. Saunders, John Slonski, G. H. Pettengill, J.W. Head, R. Piereson
Audience:
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
09/25/1990 - 1:33:00 Producer: Bridges

AVC-1990-182-1/1 **And Then There Was Voyager**
VTV-170 Polished production of NASA's legendary grand tour of the outer solar system. The video takes the viewer from the mission's conception in the early 1970's, through each of the spacecraft's stunning encounters of Jupiter, Saturn, Uranus and Neptune, and on to what may lie ahead for the probes as they search for the heliopause. Told in the words of key members of the Voyager team.
Audience: Gen. Site: JPL &
Client: PIO/Voyager Project, Org. 181
Master: 3/4" Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/25/1990 - 0:30:19 Producer: Hardin

AVC-1990-184-1/1 **Planetary Rover Milestone**
A technical video showing results of a 100 meter test.
Ch.1: Narration; Ch.2: Effects
Audience:
Client: R. Bedard/A. Mishkin (Ino
Master: 1"C Submaster: 3/4"
Audio 1: Narration 2: Effects
09/26/1990 - 0:02:00 Producer: Inova

AVC-1990-185-1/1 **Ulysses Pre-launch Press Release**
Clips taken from the movie "Ulysses: A Solar Odyssey and edited together for a press release.
Silent
Audience:
Client: Frank O'Donnell/PIO
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/27/1990 - 0:04:44 Producer: Savona

AVC-1991-004-1/1 **Magellan at Venus: "Brown University Perspective"**
Speakers: James Head, Steve Saunders, Ellen Stofan, Sue Smrekar, Jeff Plaut.
A three-camera videotaping in the TV studio
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/03/1990 - 0:22:00 Producer: Bridges

AVC-1991-005-1/1 **Magellan: At Venus Report**
Magellan: At Venus Report
9/26/90 - Ken Ledbetter
10/3/90 - Dr. J. Wood
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
/ / - 0:30:00 Producer: Bridges

AVC-1991-006-1/1 **Voyager Colby Films Launch Video**
Voyager I & II Stock Footage at the Cape
Given to Mary Hardin/PIO from National Archives
Launches includes Gold record installation on Spacecraft.
Audience:
Client:
Master: 1"C
Audio 1: Silent 2: Silent
10/03/1990 - 0:20:00

AVC-1991-007-1/1 **Ulysses Pre-launch Press Conference**
VTV-164
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/04/1990 - 0:47:00

AVC-1991-008-1/1 **Ulysses Post Deployment Press Conference**
Willis Meeks, Demek Eaton, Dr. Edgar Page
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/06/1990 - 0:17:00

AVC-1991-009-1/1 **STS-41 Highlights**
Shuttle Launch, Ulysses Deployment, and Shuttle Landing
Audience:
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/10/1990 - 0:29:00

AVC-1991-014-1/1 **Ulysses the Movie (ESA)**
VTV-166 July 1990 - 30:00
Tape-to-tape Transfer
Audience:
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
/ / - 0:30:00

AVC-1991-016-1/1 **Magellan: At Venus Report**
Prof. R. Arvidson
10/10/90 - 15:00
Dr. McGill
10/17/90 - 15:00
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/17/1990 - 0:30:00 Producer: Bridges

AVC-1991-017-1/1 **Neptune's Great Dark Spot**
Kida Vortex Model
An edited video of the Great Dark Spot in Motion.
Audience:
Client: Eric De Jong
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/17/1990 - 0:01:08 Producer: Savona

AVC-1991-018-1/1 **Radar Images of Asteroid 1989 PB**
An edited video of radar changes of Asteroid 1989 PB in motion.
Audience: Resource
Client: Eric De Jong
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/17/1990 - 0:02:08 Producer: Savona

AVC-1991-019-1/1 **CRAF Spacecraft Rendezvous with Comet - Kopff**
From National Aeronautics and Space Administration
Visual Communications Lab
NASA Johnson Space Center
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
10/11/1990 - 0:02:00

AVC-1991-023-1/1 **Magellan: At Venus Report**
10/24/90 - 15:00
Dr. Stofan
10/31/90 - 15:00
Dr. Basilevsky
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/31/1990 - 0:30:00 Producer: Bridges

AVC-1991-029-1/1 **Magellan: At Venus Report**
Speaker: Dr. Saunders
11/7/90 - 15:00
Speaker: J.P. Slonski
11/14/90 - 15:00
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/07/1990 - 0:30:00 Producer: Bridges

AVC-1991-030-1/1 **Magellan: At Venus Report**
Guests: Dr. Saunders, Dr. Peter G. Ford, Dr. Gordon Pettengill, Dr. Alexander Basilevsky
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/21/1990 - 0:30:00 Producer: Bridges

AVC-1991-031-1/1 **Magellan Radar Engineering Test, Preliminary Results**
Stereo Music
Audience:
Client:

Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/16/1990 - 0:02:43 Producer: Savona

AVC-1991-032-1/2 **Magellan Venus Press Conference**
Speakers: A.J. Spear, R.S. Saunders, G.H. Pettengill, R. Arvidson, S. Solomon
Audience:
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
11/16/1990 - 1:30:00 Producer: Savona

AVC-1991-032-2/2 **Magellan Venus Press Conference**
Speakers: A.J. Spear, R.S. Saunders, G.H. Pettengill, R. Arvidson, S. Solomon
Audience:
Client:
Master: M-II Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
11/16/1990 - 0:10:00 Producer: Savona

AVC-1991-036-1/1 **Atmosphere of Venus**
Preliminary Results developed by the Solar System Visualization Project and the Galileo Imaging Team
Four video sequences were created to show the atmosphere of Venus as seen through the violet filter of the Galileo Solid State Imaging System. The Images were taken over several-days period following the Venus flyby on February 10, 1990.
Description sheet: 91-180.AVC
Audience: Resource
Client: Eric De Jong
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/29/1990 - 0:02:18 Producer: Savona

AVC-1991-037-1/2 **Galileo Press Conference**
A four-camera videotaping in von Kármán Auditorium.
Speakers: William J. O'Neil, Dr. Torrence V. Johnson, Dr. Michael J. S. Belton, Dr. Robert W. Carlson, Dr. Margaret G. Kivelson, Dr. Louis W. Frank, and Dr. Donald Gurnett.
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix

11/29/1990 - 1:30:00 Producer: Savona

AVC-1991-037-2/2

Galileo Press Conference
Part 2 of 2.
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/29/1990 - 0:29:00 Producer: Savona

AVC-1991-038-1/1 **STS-41 Post Flight Press Conference From JSC**
VTV-175 November 1990
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/30/1990 - 0:21:30

AVC-1991-039-1/1 **The Third Step to Jupiter**
An edited production for Earth 1 Encounter Press Release. This program uses computer animation to illustrate a technique called gravity-assist as performed by the Galileo spacecraft when it passed near Earth in December 1990.
Audience: Gen.
Client: Maynard Hine
Master: 1"C Submaster: 1"C
Audio 1: Narration 2: Effects
12/07/1990 - 0:04:45 Producer: Savona

AVC-1991-040-1/1 **Galileo at Earth 1 Report**
A live show to NASA select describing Galileo's Earth 1 Encounter
Guests: William O'Neil, Torrence Johnson, Neal Ausman
Audience:
Client: Rich Terrile
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1990 - 0:25:00 Producer: Savona

AVC-1991-041-1/1 **Galileo at Earth 1 Report**
A live show to NASA select describing Galileo's Earth 1 Encounter
Guests: Karen Buxbaum, Louis Frank, Christopher Russell, Louis D'Amario, James Head, Thomas McCord, Reed

Thompson, Robert Carlson
Audience:
Client: Rich Terrile
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1990 - 1:00:00 Producer: Stealey

AVC-1991-042-1/1 **Galileo Press Briefing**
Speakers: Wesley Huntress, William O'Neil, Neal Ausman, Torrence Johnson, Clayne Yeates
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1990 - 1:07:00 Producer: Savona

AVC-1991-043-1/1 **Galileo at Earth 1 Report**
A live show to NASA select describing Galileo's Earth 1 Encounter
Host: Rich Terrile
Guests: Carl Sagan, Andy Ingersoll, William O'Neil, Torrence Johnson
Audience:
Client: Rich Terrile
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1990 - 0:30:00 Producer: Savona

AVC-1991-044-1/1 **Galileo at Earth 1 Report**
A live show to NASA select describing Galileo's Earth 1 Encounter
Host: Rich Terrile
Guests: Torrence Johnson, Louis Frank, James Head
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/10/1990 - 0:30:00 Producer: Savona

AVC-1991-045-1/1 **Galileo at Earth 1 Report**
A live show to NASA select describing Galileo's Earth 1 Encounter
Host: Rich Terrile
Guests: Torrence Johnson, Clark Chapman, Andy Ingersoll
Audience:
Client: Rich Terrile

Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/13/1990 - 0:28:00 Producer: Savona

AVC-1991-046-1/1 **Magellan: At Venus Report**
Magellan: At Venus Report
J.W. Head
11/28/90 - 15:00
Tim Parker
12/5/90 - 15:00
Cathy Weitz
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/12/1990 - 0:15:00 Producer: Bridges

AVC-1991-056-1/1 **The Galileo Earth-Moon 1 Encounter**
VTV-181
Earth rotation - 2:16, A movie made from a sequence of images taken by the Galileo spacecraft of the Earth over a 25 hour period on December 11, 1990. Moon rotation - 1:35, The globe in this movie is made up of airbrush maps of Lunar Orbiter and Apollo images. Galileo color visualization images are superposed on the globe.
Music Only.
Audience: Gen. Site: JPL
Client: Eric De Jong
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/19/1990 - 0:03:51 Producer: Savona

AVC-1991-057-1/2 **Galileo Earth-Moon 1 Encounter Press Briefing**
A four-camera videotaping in von Kármán Auditorium of post encounter press briefing.
Speakers: O'Neil, Johnson, Kivelson, Frank, Kurth, Carlson, Mc Cord, Belton, Head, Chapman
Tape 1 of 2
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/19/1990 - 1:30:00 Producer: Savona

AVC-1991-057-2/2 **Galileo Earth-Moon 1 Encounter Press Briefing**
A four-camera videotaping in von Kármán Auditorium of post encounter press briefing.

Speakers: Chapman and Q & A
Tape 2 of 2
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/19/1990 - 0:44:00 Producer: Savona

AVC-1991-058-1/1 **Galileo: Earth Spin Movie New Version**
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/20/1990 - 0:02:48 Producer: Stealey

AVC-1991-060-1/1 **Voyage to the Outer Planets**
Computer animation of Voyager data set to music;
Jupiter, Saturn, Uranus, and Neptune.
Audience: Gen.
Client: William Kosmann
Master: 1"C Submaster: 1"C
Audio 1: Mono Mix 2: Mono Mix
01/04/1991 - 0:02:48 Producer: Stealey/Inova

AVC-1991-061-1/1 **JPL End Logo 1991/Stars in Motion**
JPL end logos over Starfield. Many cuts with and
without reflections in JPL logo.
Audience: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/04/1991 - 1:22:00 Producer: Stealey

AVC-1991-063-1/1 **AAM The Movie**
Atmospheric Angular Momentum Fluctuations occurring in the
UCLA General Circulation Model
Audience: JPL
Client: Steve Marcus, Org. 3350
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/08/1991 - 0:07:53 Producer: Stealey

AVC-1991-064-1/1 **Galileo Earth 1 Report Highlights Tape**
Highlights of Galileo Earth 1 Reports from Galileo Earth 1
Encounter of 12/8/90. This is an abbreviated account of the
reports for replay on the day after closest approach.

Audience: Gen.
Client: Maynard Hine
Master: M-II
Audio 1: Mono mix 2: Mono mix
01/08/1991 - 0:30:00 Producer: Stealey

AVC-1991-077-1/1 **Magellan: At Venus Report**
Dr. Saunders and Eric De Jong
1/9/91 - 15:00 (Savona)
Dr. Goldstein and Annette deCharon
1/16/91 - 15:00 (Savona)
Dr. Stofan
1/23/91 - 15:00 (Stealey)
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/23/1991 - 0:15:00

AVC-1991-081-1/1 **Magellan: At Venus Report**
Magellan: At Venus Report
1/30/91 - Steve Saunders
2/6/91 - Tony Spear
2/13/91 - John Guest
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/30/1991 - 0:45:00 Producer: Savona

AVC-1991-091-1/1 **Collection of Magellan Venus Radar Mapping Results**
VTV-205 Developed by the Solar System Visualization Project
and the Magellan Science Team.
Collection of Magellan releases:
SEQUENCE 1: GLOBAL GRAVITY MAP & FINAL BREAKUP
ANIMATION
(Released October 6, 1994 - 3:30 - AVC-95-012
SEQUENCE 2: UPPER ATMOSPHERE COMPOSITION AND O-C02
RADIATIVE COOLING
(Released August 10, 1993 - 2:22 - AVC-93-191)
SEQUENCE 3: AEROBRAKING TO CIRCULAR ORBIT
(Released August 10, 1993 - 1:53 - AVC-93-191)
SEQUENCE 4: DIONE REGIO, BETA & ATLA REGIO, OVDA REGIO
(Released May 26, 1993 - 7:37 - AVC-93-158)
SEQUENCE 5: ATLA REGIO
(Released April 22, 1992 - 2:37 - AVC-92-105)

SEQUENCE 6: ARTEMIS
(Released October 29, 1991 - 3:15 - AVC-92-024)
SEQUENCE 7: ALPHA REGIO
(Released May 29, 1991 - 2:25 - AVC-91-122)
SEQUENCE 8: WESTERN EISTLA REGIO
(Released March 5, 1991 - 2:36 - AVC-91-092)
SEQUENCE 9: WESTERN ISHTAR REGIO
(Released November 16, 1990 - 2:43 - AVC-91-031)
Computer animation techniques create four simulated flights over the surface of Venus. The four video sequences use radar mapping data recorded by the Magellan spacecraft during September-February 1991.
Simulated color approximates hues which might be seen by the human eye, based on color images recorded by the Venera 13 and 14 spacecraft. The vertical scale in the simulated flights is exaggerated by a factor of 22.5.
Four mosaics of images from selected orbits were used to create the animation sequences. The first sequence begins with a global view of Venus. It continues with a simulated flight over Artemis corona, and into the deep chasms of eastern Aphrodite Terra. The second sequence begins with a view of three craters (Howe, Danilova, Aglaonice). We fly over the complex terrain of Alpha Regio and end with a view of Stuart crater.
The third sequence begins with a view of Sif Mons (a 1.2 mile high volcano). We fly over a rift valley, several impact craters, a corona, and Gula Mons (a 1.8 mile high volcano). The sequence ends with a North-East view of Eistla Regio. The fourth sequence begins with a view of a black and white globe of Venus, created using a combination of Pioneer Venus Orbiter and Venera 15/16 data. It continues with a simulated flight over the northern polar region, concentrating on Ishtar and Maxwell. High resolution Magellan data is displayed in color on top of the data from the earlier mission.
Audience: Gen. Site: Venus Data
Client: De Jong/C. Young
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
NOTE: DESCRIPTION SHEET AVAILABLE
10/06/1994 - 0:30:23 Producer: Gary W. Savona

AVC-1991-092-1/1 **Western Eishtla Regio**
DESCRIPTION SHEET: Included in 91-091.AVC
Audience:
Client: Magellan/Eric De Jong

Master: 1"C Submaster: M-II
Audio 1: Music only 2: Music Only
03/05/1991 - 0:02:36 Producer: Savona

AVC-1991-093-1/1 **Magellan Science Briefing**
VTV-190 A four-camera videotaping in von Kármán Auditorium for Press and NASA Select
Audio Mixed
Audience:
Client: Carolynn Young
Master: M-II Submaster: 1"C
Audio 1: Mono Mix 2: Mono mix
03/05/1991 - 1:09:00 Producer: Savona

AVC-1991-094-1/1 **Magellan at Venus Report**
2/20/91 - SCHABER (Savona)
2/27/91 - LEDBETTER (Savona)
3/6/91 - De CHARON (Savona)
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/06/1991 - 0:45:00

AVC-1991-100-1/1 **Monterey The Bay**
This computer-generated animation was produced to demonstrate the fusion and visualization of multiple geophysical datasets.
Audience: Gen.
Client: Kevin Hussey/Watson
Master: 1"C Submaster: BCAMsp
Audio 1: Narration 2: Effects
03/13/1991 - 0:04:52 Producer: Savona

AVC-1991-101-1/1 **SIRTF - The Space Infrared Telescope Facility**
VTV-192 Introduction to Infrared Astronomy using Infrared telescope in Space, description of SIRTF mission,
Note: Renamed "The Spitzer Space Telescope"
Audience: Gen.
Client: Mary Hardin, PIO
Master: 1"C Submaster: 1"C
Audio 1: Narration 2: Music & Ef
03/18/1991 - 0:06:50 Producer: Stealey

AVC-1991-104-1/1 **Firefly**
A roll of field tests on Mojave. Firefly uses an

infrared detection to locate forest flies from the air. A PIO release to the media containing raw footage and an interview w/David Nichols.
Needs shot meet
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/29/1991 - 0:17:35

AVC-1991-105-1/1 **JPL Special Program and Outreach Activities**
An edited program show casing several JPL volunteer and outreach programs
Audience:
Client: Michael Chilicki
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/02/1991 - 0:14:38 Producer: Stealey

AVC-1991-108-1/1 **Magellan: At Venus Report**
Jason Hyon
3/13/91
Dr. Basllevsky
3/20/91
Dr. Bindschadler
3/27/91
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/27/1991 - 0:45:00

AVC-1991-113-1/1 **Magellan: At Venus Report**
Dr. B. Banerdt
4/3/91
Dr. S. Soloman
4/10/91
Dr. J. Plaut
4/17/91
Audience:
Client:
Master: 1"C Submaster: M-II
Audio 1: Mono mix 2: Mono mix
04/17/1991 - 0:45:00

AVC-1991-116-1/1 **Galileo High Gain Antenna Analysis**

This video program uses computer animation to simulate what may have happened to the Galileo High Gain Antenna to restrict its deployment.
Audience: Gen.
Client: Hoppy Price
Master: 1"C Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/25/1991 - 0:05:11 Producer: Stealey

AVC-1991-118-1/1 **Magellan: At Venus Report**
4/24/91 - Slonski
5/1/91 - Saunders
5/8/91 - Senshe, Dr. Phillips
Audience:
Client:
Master: 1"C Submaster: M-II
Audio 1: Mono mix 2: Mono mix
05/08/1991 - 0:45:00 Producer: Stealey

AVC-1991-119-1/1 **Magellan: At Venus Report**
Tony Spear
May 15, 1991
Audience:
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
/ / - 0:15:00 Producer: Savona

AVC-1991-120-1/1 **Magellan Reprise Summary Tape**
Opening titles and closing titles for all the Magellan at Venus Reports also a brief 4 minutes and 20 second history of the Magellan mission as told by some of the scientists and Engineers who were involved with music
Audience: Resource
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
05/15/1991 - 0:04:40 Producer: Semerano

AVC-1991-122-1/1 **Alpha Regio**
Included In AVC-91-091 Collection
Animation sequence of Magellan Data. The following computer animation creates a simulated flight over the Northwestern Portion of Lavinia Planitia and Alpha Regio. The sequence ends with a view of Stuart crater.
Description Sheet: Included in AVC-91-091

Audience:
Client: Magellan/Eric De Jong
Master: 1"C
Audio 1: Music Only 2: Music Only
05/29/1991 - 0:02:26 Producer: Savona

AVC-1991-123-1/1 **Magellan Press Conference at NASA Headquarters**
Guests: Steve Saunders, Tom Thompson, Gordon Pettengill, James Head, Wesley Huntress
Audience:
Client:
Master:
Audio 1: Mono mix 2: Mono mix
05/29/1991 - 1:10:00

AVC-1991-125-1/1 **Spaceflight Operations Facility 1991 Version**
VTV-206 Updated & reedited SFOF program this program is an updated version of AVC-063-88
Audience:
Client: Ben Toxoshima
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/07/1991 - 0:06:45 Producer: Inova/Stealey

AVC-1991-133-1/1 **Geological Tour of Central Wyoming Basins**
A computer-generated animation of a flyover of Central Wyoming taken from landsat satellite data.
Audience:
Client: Steven Adams
Master: 1"C
Audio 1: Mono mix 2: Mono mix
06/25/1991 - 0:03:09 Producer: Savona

AVC-1991-136-1/3 **Solar Eclipse - July 1991**
VTV-207 The July 11, 1991 Solar Eclipse as seen in Pasadena. 69% of the Solar disk was covered by the Moon. Edited from live show in the TV studio documenting the event.
Host: Willis Meeks
Guests: Joan Feynman and Bruce Tsurutani
Audience: Gen. Site: 186-Studio
Client: G. Alexander/NASA TV, Org. 180
Master: BCAMsp Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/11/1991 - 0:58:00 Producer: Stealey

AVC-1991-136-2/3 **Solar Eclipse - July 1991 - Iso tape 1 of 2**
The July 11 1991 Solar Eclipse as seen in Pasadena. 69% of the Solar disk was covered by the Moon.
10:14 a.m. - 11:44 a.m.
Audience: Gen. Site: 186-Studio
Client: G. Alexander/NASA TV, Org. 180
Master: BCAMsp Submaster: M-II
Audio 1: Silent 2:
07/11/1991 - 0:30:00 Producer: Stealey

AVC-1991-136-3/3 **Solar Eclipse - July 1991 - Iso tape 2 of 2**
The July 11, 1991 Solar Eclipse as seen in Pasadena. 69% of the Solar disk was covered by the Moon.
11:44 a.m. - 12:47
Audience: Gen. Site: 186-Studio
Client: G. Alexander/NASA TV, Org. 180
Master: BCAMsp Submaster: M-II
Audio 1: Silent 2:
07/11/1991 - 1:03:00 Producer: Stealey

AVC-1991-142-1/1 **Hubble's Wide Field/Planetary Camera**
An edited production that uses various source tapes to briefly describe the Wide Field Planetary Camera and its discoveries.
Audience: Gen.
Client:
Master: 1"C Submaster: 1"C
Audio 1: Narration 2: Effects
08/02/1991 - 0:03:57 Producer: Savona

AVC-1991-143-1/1 **Observations Beyond the Human Senses**
An edited production using existing video for the JPL Expo. Overviews the past, present, and future
activities of the Observational Systems Division.
Includes image processing, space missions, and Earth observing missions.
Audience:
Client: Kane Casani, Org. 380
Master: 1"C
Audio 1: Narration 2: Effects
08/02/1991 - 0:08:55

AVC-1991-150-1/1 **Tooth and Rocky: The Micro and Mini Rovers**
A polished edited video production showing new miniature rover vehicles in operation at JPL.
Audience: Press and NASA Managers.

Audience: Gen.
Client: PIO / Roger Bedard / Davi
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/09/1991 - 0:03:30 Producer: Savona

AVC-1991-151-1/1 **Lava Channels and Volcanic Domes on Venus**
"Magellan Science Seminar"
Three camera taping in vKA and live transmission to NASA Select.
Speaker: Steve Saunders
Audience:
Client: Carolynn Young, Org. 270
Master: 1"C Submaster: M-II
Audio 1: Mono mix 2: Mono mix
08/12/1991 - 0:36:00 Producer: Stealey

AVC-1991-152-1/1 **Revealing Venus**
Production on the Magellan radar mapping mission at Venus.
Produced by Martin Marietta
Audience:
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
05/01/1991 - 0:07:30

AVC-1991-155-1/1 **Magellan Press Conference**
(Note: missing video at first minute)
Audience:
Client: PIO
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/30/1991 - 0:30:00 Producer: Savona

AVC-1991-170-1/1 **DSN News Release Footage**
1. EAR ON THE UNIVERSE (4:20)
2. GOLDSTONE... THE ULTIMATE LONG DISTANCE COMMUNICATOR (3:27)
Two productions packaged together for release to the news media in conjunction with a Goldstone 30th anniversary press release. Taped via NASA Select from Hq.
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix

09/30/1991 - 0:08:00

AVC-1992-001-1/1
VTV-221

Magellan: Mapping the Planet Venus
A documentary describing the Magellan mission and its discoveries to date. Features Dr. Stephen Saunders, Magellan Project Scientist. Animation showing how the Magellan spacecraft maps Venus with its radar. Still images depicting puzzling details. Flights over various regions including Alpha Regio, Eistla Regio and Artemis produced by the latest computer animation technology using the real digital data.
Audience: Gen.
Client: Carolynn Young, Org. 270
Master: 3/4" Submaster: 1"C
Audio 1: Stereo mix 2: Stereo mix
11/11/1991 - 0:09:09 Producer: Gary Savona

AVC-1992-006-1/1

Space VLBI: The Movies
Scan conversion of a computer animation. No audio.
Audience:
Client: Murphy & David Meier
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/04/1991 - 0:25:00

AVC-1992-015-1/1

Chapters in Aerospace History Interviews - Bud Schurmeier
A three-camera videotaping of interviews conducted by Dr. Albert Hibbs for the California Museum of Science and Industry, Aerospace Historical Committee.
Audience: Gen. News
Client: Shirley Thomas, CMSI
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/16/1991 - 1:27:00 Producer: Savona

AVC-1992-016-1/2

Chapters in Aerospace History Interviews - Bob Parks
A three-camera videotaping of interviews conducted by Dr. Albert Hibbs for the California Museum of Science and Industry, Aerospace Historical Committee.
Audience: Edu.
Client: Shirley Thomas, CMSI
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/16/1991 - 1:30:00 Producer: Savona

AVC-1992-016-2/2 **Chapters in Aerospace History Interviews - Bob Parks**
A three-camera videotaping of interviews conducted by Dr. Albert Hibbs for the California Museum of Science and Industry, Aerospace Historical Committee.
Audience: Edu.
Client: Shirley Thomas, CMSI
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/16/1991 - 0:25:00 Producer: Savona

AVC-1992-019-1/1 **Voyager at Heliosphere Press Release**
Computer animation showing the Voyagers crossing the Heliosphere. No audio. Resource footage.
Audience: Resource
Client: Mary Hardin, Org. PIO
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/21/1991 - 0:01:29

AVC-1992-024-1/1 **ARTEMIS**
Scene 1:Magellan synthetic aperture radar mosaics from the first cycle of Magellan mapping are mapped onto a computer-simulated globe to create this sequence.
Scene 2:As the sequence continues the globe stops and we zoom into Artemis
Scene 3: We ascend for an overview and then travel east to Diana and Dali chasms.
Audience: News Resource
Client: Eric De Jong, Org. PIO
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1991 - 0:03:16 Producer: Savona

AVC-1992-026-1/1 **HAZBOT II**
Emergency Response Vehicle. An edited production documenting a test of a newly developed robot responding to a simulated chemical spill in building 183. Real time multi-camera views
with views through the robot's cameras.
Audience: Tech.
Client: Dr. Henry Stone, Org. 347
Master: 1"C Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
10/28/1991 - 0:09:38 Producer: Savona

AVC-1992-027-1/1 **Magellan Science Briefing**
Press conference from NASA Headquarters. Speakers: Wes Huntress, Steve Saunders, John Woods and Gordon Pettengill. Premiered the Artemis animation.
Audience: NASA News
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1991 - 1:22:00

AVC-1992-029-1/1 **Galileo Gaspra Encounter Press Briefing**
A three-camera broadcast via NASA Select of a press conference updating the health of the Galileo spacecraft after its encounter with asteroid Gaspra. Speakers: William J. O'Neil, Neal E. Ausman, William E. Kieckhefer and Dr. Torrence V. Johnson. Animation depicting the encounter was released. Due to the high gain antenna problem, no images from the spacecraft were available at press time.
Audience: NASA News Resource
Client: PIO
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/29/1991 - 1:10:00 Producer: Savona

AVC-1992-030-1/1 **Radar: Search for Lost Civilizations**
Caltech's Centennial Symposium Lectures
Repeat of a talk given during the centennial. A three-camera videotaping in von Kármán Auditorium. Speaker: Dr. Charles Elachi, Office of Space Science and Instruments. Spaceborne imaging radars, in conjunction with optical and infrared sensors, are being used to search for environmental and man-made features that will allow us to search for lost civilizations in the desert regions of the world.
Audience: Site: von Kármán
Client: Kay Ebersole, Org. 100
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/19/1901 - 0:51:00 Producer: Savona

AVC-1992-037-1/1 **Galileo Gaspra Encounter Post Press Briefing**
A four camera videotaping and live transmission from vKA. The first picture returned by the Galileo spacecraft as it approached the asteroid Gaspra on Oct. 29 is discussed. Participants are Dr. Wesley T. Huntress, Director of the

Solar System Exploration Division; William J. O'Neil, Galileo Project Manager; Dr. Torrence V. Johnson, Project Scientist; Dr. Michael J. S. Belton, Imaging Team Leader; and Dr. Joseph Veverka, Imaging Team member.
Audience: Gen. Resource Site: von Kármán
Client: PIO
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/14/1991 - 1:16:00 Producer: Savona

AVC-1992-038-1/1 **Impact Craters on Venus**
Magellan Science Seminar A talk with slides by Dr. Gerald Schaber, U.S. Geological Survey. A four-camera videotaping in vKA live to NASA Select
Audience: NASA Resource
Client: Carolynn Young
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
11/18/1991 - 1:08:00 Producer: Savona

AVC-1992-043-1/1 **Magellan's Discoveries at Venus: Mapping our Sister Planet**
"Caltech's Centennial Symposium Lectures"
Dr. Sanders, Magellan Project Scientist.
Showed 46 slides of the Venusian surface and a videotape depicting a flight over Artimis.
Repeat of a talk given during the Centennial.
Q&A at end.
Audience: Gen. Site: vKA
Client: M. Chahine, Org. 100
Master: M-II Submaster: 1"C
Audio 1: Mix 2: Mix
11/20/1991 - 0:42:00 Producer: Semerano

AVC-1992-045-1/1 **Cyberspace and Virtual Reality**
An edited production, presents the problems with and the solutions for using VR systems. Includes examples of the ESC, photovision and future VR projects.
Audience: Gen.
Client: Brian Beckman
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/29/1991 - 0:16:34 Producer: Stealey

AVC-1992-049-1/1 **JPL Year end Review**
For inclusion in NASA Year end review show on NASA Select.

George Alexander narrates
Includes segments on Magellan, Galileo and Ulysses.
Audience: Site: JPL
Client: PAO/NASA Select, Org. 180
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/06/1991 - 0:42:00 Producer: Stealey

AVC-1992-052-1/1 **The Twisted Tale of Tessera: New Views from Magellan**
A three-camera videotaping live to NASA Select from von Kármán Auditorium of a talk by Annette V. deCharon, Magellan Project.
Audience: NASA Resource Site: von Kármán
Client: Carolynn Young
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/16/1991 - 0:41:00 Producer: Savona

AVC-1992-056-1/1 **The July 11, 1991 Total Eclipse As Seen From La Paz, Mexico**
Eight segments edited together show the Eclipse of the Sun as videotaped by dedicated amateurs and semi-professionals. Different filters and lenses are used by each to show a multitude of views. participants are interviewed at the end of the tape.
Audience: JPL Resource Site: Mexico
Client: Peter McClosky, Org. 183
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/10/1992 - 1:20:00 Producer: Semerano

AVC-1992-057-1/1 **Magellan Mission To Venus - Compilation**
Compilation of 3 videotapes:
AVC-92-001 - 9:09 Edited production "Magellan: Mapping the Planet Venus"
AVC-91-151 - 31:20 "Magellan Science Seminar" - Steve Saunders discussing lava channels and volcanic domes.
AVC-91-091 - 15:04 "Collection of Magellan Venus Mapping Results"
Audience: Gen. Resource
Client: Carolyn Young
Master: 1"C
Audio 1: Mono mix 2: Mono mix
05/04/1992 - 0:55:40

AVC-1992-058-1/1 **Plasma Wave Sounds**
Compilation of Voyager Updates (AVC-061-80, AVC-082-81, and

AVC-040-86) that dealt with plasma wave sounds. Fred Scarf discusses the sounds received by the Voyager spacecraft as it encountered the outer planets.
Audience: NASA Resource
Client: Gregg Hanchett, Org. 182
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
01/10/1992 - 0:35:00 Producer: Semerano

AVC-1992-063-1/1 **Ulysses' Encounter with Jupiter**
This pre-encounter production contains animated sequences explaining the purpose of the February 8, 1992, gravity-assist flyby and the science that will be gathered by the Ulysses spacecraft. Writer: Diane Ainsworth. Narrated with stereo music.
Audience: Gen.
Client: B. Goldstein/E. Massey, Org. 280
Master: 1"C Submaster: 1"C
Audio 1: Stereo 2: Stereo
01/17/1992 - 0:05:00 Producer: Savona

AVC-1992-064-1/1 **Arctic Chlorine Monoxide Microwave Limb Sounder**
Release tape of a computer graphic sequence showing chlorine monoxide data taken January 1-12, 1992. The sequence is repeated four times. Made for a ozone depletion studies press conference on February 3, 1992.
Audience:
Client: PIO / Jim Wilson
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/1992 - 0:04:30 Producer: Hanchett

AVC-1992-065-1/1 **Eagle has landed: The Flight of Apollo 11 - 1969**
VTV-311 A documentary of Apollo 11, the historic first landing of men on the moon and their safe return to earth, from launch of the Saturn V Apollo vehicle on July 16,1969, to the return of Astronauts Armstrong, Aldrin, and Collins to the Lunar Receiving Laboratory, NASA Manned Spacecraft Center.
Audience: Gen.
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix HQ-194
07/27/1969 - 0:28:30

AVC-1992-070-1/1 **Arctic Ozone Press Conference**

Audience: NASA
Client:
Master: M-II Submaster: BCAM
Audio 1: Mono mix 2: Mono mix
02/03/1992 - 1:09:40 Producer: NASA

AVC-1992-071-1/1 **Telerobotic Single and Dual-Arm Supervisory and Shared Control Tasks**

A shortened version of AVC-91-107. Selected segments edited together to suit a different audience.
Audience: Edu.
Client: Dr. Paul Backes
Master:
Audio 1: Mono mix 2: Mono mix
02/03/1992 - 0:03:00 Producer: Savona

AVC-1992-072-1/2 **Ulysses Jupiter Flyby Press Conference**
VTV-309 Participants: Mission Overview: Willis G. Meeks, JPL, Ulysses Project Manager (NASA); Mission Operations: Peter Beech, ESA Ulysses Operations Manager; Spacecraft Status: Derek Eaton, ESA, Ulysses Project Manager (ESA); In Ecliptic Science/Jupiter: Dr. Edward J. Smith, JPL, Project Scientist (NASA); In Ecliptic Science/Jupiter: Dr. Klaus-Peter Wenzel, ESA, Project Scientist (ESA).Principal Investigators: Magnetic fields
Audience:
Client: PIO
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
02/11/1992 - 1:30:00 Producer: Stealey

AVC-1992-072-2/2 **Ulysses Jupiter Flyby Press Conference**
Participants: Mission Overview: Willis G. Meeks, JPL, Ulysses Project Manager (NASA); Mission Operations: Peter Beech, ESA Ulysses Operations Manager; Spacecraft Status: Derek Eaton, ESA, Ulysses Project Manager (ESA); In Ecliptic Science/Jupiter: Dr. Edward J. Smith, JPL, Project Scientist (NASA); In Ecliptic Science/Jupiter: Dr. Klaus-Peter Wenzel, ESA, Project Scientist (ESA).Principal Investigators: Magnetic fields
Audience:
Client: PIO
Master: M-II Submaster: 1"C

Audio 1: Mono mix 2: Mono mix
02/11/1992 - 0:21:00 Producer: Stealey

AVC-1992-075-1/1 **TOPEX/Poseidon: A Mission to Planet Earth**
A lay person's guide to the US/French, TOPEX/Poseidon Mission that will chart and map the world's oceans. It contains a detailed description of the mission's objectives and benefits. Includes computer models of the ocean circulation and animation of the spacecraft in orbit.
Audience:
Client: PIO / TOPEX
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/01/1992 - 0:08:48 Producer: Hardin/Stealey

AVC-1992-077-1/1 **JPL 1991 Local-Remote Telerobot Control Development**
An edited production describing telerobotic technology elements being developed for possible integration into the Space Station Flight Program.
Audience:
Client: Wayne Zimmerman
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
02/17/1992 - 0:08:03 Producer: Savona

AVC-1992-078-1/1 **The Deep Space Network: The Ultimate Long Distance Connection**
Caltech's Centennial Symposium Lectures
Repeat of a JPL lecture held at Caltech. Three camera taping in von Kármán Aud. Leslie Deutsch discusses the Deep Space Network (DSN), its past and future uses in spacecraft communications.
Audience: Edu. JPL Site: von Kármán
Client: Kay Ebersole, Org. 100
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
02/20/1992 - 0:46:15 Producer: Stealey

AVC-1992-082-1/1 **Local-Remote Supervisory Control Telerobotics Technology**
An edited production showing ongoing development of an IRIS workstation operator interface for telerobotic technology.
Audience:
Client: Wayne Zimmerman
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix

02/25/1900 - 0:04:50 Producer: Savona

AVC-1992-088-1/1 **Trip Through the Solar System**
A collection of animations and real photographs on each of the nine planets and the Sun. Loosely edited. Intended for presenter to talk over.
Originally mastered on 3/4".
Audience:
Client: Bill Kosman
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/03/1992 - 0:22:17 Producer: Stealey

AVC-1992-097-1/1 **A New Window into Space**
Film-to-tape transfer of JPL 593 a 1967 film on the Madrid Deep Space Network (DSN) antenna.
Audience: Gen.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JPL 593
03/14/1992 - 0:19:53 Producer: JPL

AVC-1992-105-1/1 **Western ATLA REGIO**
Computer animation made from Magellan Venus data.
Scene 1: Simulated flight over Western edge of Atlas Regio - North face of Maat Mars
Scene 2: High altitude view of Maat & Sapas
Scene 3: Flight around Western Sapas Mons
Complete Description Sheet 92-105.AVC.
Included in AVC-91-091
Audience:
Client:
Master: 1"C Submaster: M-II
Audio 1: Mono mix 2: Mono mix
04/22/1992 - 0:02:37

AVC-1992-109-1/1 **Magellan Press Conference**
VTV-340 Speakers: James Scott, Dr. Stephen Saunders, Dr. Gordon Pettengill, Dr. James Head
Audience: News Site: von Kármán
Client: Carolynn Young
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
04/22/1992 - 1:19:01 Producer: Savona

AVC-1992-110-1/1 **Cassini: Mission to the Ringed Planet**

VTV-512 Press Release for the Upcoming Cassini Mission to Saturn and Titan
Audience: JPL Site: JPL
Client: Frank O'Donnell, Org. 181
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
04/27/1994 - 0:07:02 Producer: Semerano

AVC-1992-120-1/1 **Ear On The Universe**
Goldstone Set 1
Audience:
Client: Joan Zyda
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/02/1992 - 0:06:50

AVC-1992-124-1/1 **Global Ozone Concentration Movies 1980-1990**
Developed by Solar System Visualization Project.
Computer animation techniques create five views of the daily variation in the Earth's ozone concentration from January 1, 1980 through December 31, 1990 as measured by the Nimbus 7 Total Ozone Mapping Spectrometer (TOMS). TOMS collects 200,000 ozone measurements every day. These individual measurements were averaged and mapped to provide five different views of Earth's global ozone concentration. In the first two segments the data is mapped onto a globe. The globe's orientation
Audience:
Client: Eric De Jong
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/01/1992 - 0:19:12 Producer: Savona

AVC-1992-125-1/1 **A Simulated Flight Over Mars' Candor Chasma**
A computer-generated flight over the Candor Chasma area of the large Rift Valley in Valles Marineras.
Developed by the Solar System Visualization Project.
Audience: Resource
Client: Eric De Jong
Master: 1"C Submaster: 1"C
Audio 1: Music 2: Music
05/22/1992 - 0:00:50 Producer: Savona

AVC-1992-127-1/1 **Transarabia Exped.: Space Technology & Discovery of Lost City of Ubar**
VTV-328 Caltech Management Association sponsored talk by

Dr. Charles Elachi and Dr. Ronald Blom. Gave a history of how the lost city of Ubar was discovered by remote sensing and a trans-Arabian expedition.
Audience: JPL Site: 186-Aud
Client: Caltech Management Assoc.
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
05/29/1992 - 1:10:00 Producer: Savona

AVC-1992-129-1/1 **Miniature Seeker Technology Integration - MSTI**
An edited production describing JPL's new low-cost mission of a satellite that uses off-the-shelf components and can be built in less than a year.
Audience:
Client: E. Kane Casani
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
05/28/1982 - 0:02:43 Producer: Savona

AVC-1992-130-1/1 **JPL EPD Telerobotics Program**
Mid Year Review/Status A demonstration video showing both local and remote site telerobotics as told by project staff members at their computer workstations.
Audience:
Client: Wayne Zimmerman
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/01/1992 - 0:08:32 Producer: Savona

AVC-1992-133-1/1 **Gaspra Topography**
A computer-generated animation providing a series of 3-dimensional perspective views of the surface of Gaspra.
Audience:
Client: Eric De Jong
Master: BCAM Submaster: BCAM
Audio 1: Mono mix 2: Mono mix
06/11/1992 - 0:00:57 Producer: Savona

AVC-1992-134-1/1 **Galileo "Gaspra" Press Conference**
VTV-330 A four-camera videotaping in von Kármán Auditorium. Speakers: Dr. Joseph Veverka, Galileo Imaging Team member (Cornell University), William J. O'Neil (Galileo Project Manager), Dr. Leslie J. Deutsch (Manager of Technology Development, Tracking and Data Acquisition (JPL), Dr. Torrance Johnson
(Galileo Project Scientist - JPL)

Audience: JPL Site: von Kármán
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/11/1992 - 1:10:00

AVC-1992-136-1/1
VTV-331

STS-49 Post Flight Press Conference
Endeavour's maiden space flight, STS-49, featured rendezvous, repair and reboost of a crippled communications satellite.
Crew: Daniel C. Brandenstein - Commander; Kevin P. Chilton - Pilot; Mission Specialists Bruce E, Melnick, Pierre J. Thuot, Richard J. Hieb, Kathryn C. Thornton, Thomas D. Akers.
Cargo Bay: Assembly of Station Methods (ASEM) INTELSAT-VI Repair & Reboost Equipment; Middeck: Commercial Protein Crystal Growth (CPCG)
Audience: News Site: Space
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
06/01/1992 - 0:22:35 Producer: JSC

AVC-1992-140-1/1

American Academy of Achievement Award
A short production summarizing the history of JPL with an introduction by Dr. Stone.
Narrated by George Alexander. The tape is for use in a ceremony honoring Dr. Stone.
Audience: JPL
Client: Phil Neurale
Master: M-II
Audio 1: Mono mix 2: Mono mix
06/18/1992 - 0:02:50 Producer: Semerano

AVC-1992-144-1/1

Magellan Science Seminar
Venusian Valleys and Channels
Speaker: Dr. Victor Baker, University of Arizona
3-camera videotaping
Audience: Site: von Kármán
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/24/1992 - 1:01:00 Producer: Stealey

AVC-1992-145-1/1

Rocky IV
An unrehearsed test conducted of the micro rover vehicle

called Rocky IV on June 24, 1992 in the Arroyo Seco wash. The test shows NASA Managers current software technology development for planetary micro rover vehicles.
Audience: Gen. Site: JPL Arroyo
Client: Giulio Varsi
Master: 1"C Submaster: 1"C
Audio 1: Narration 2: Effects
07/24/1992 - 0:04:54 Producer: Savona

AVC-1992-146-1/2 **Surveyor Silver Anniversary**
A three-camera videotaping in von Kármán Auditorium. Speakers: Moustafa T. Chahine, Edward C. Stone, Eugene Shoemaker, Ray J. Wall, David P. Miller, Arthur L. Lane, Wesley T. Huntress, Jr., George Alexander, Joy Crisp, William Kaiser
Audience: JPL Site: von Kármán
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/26/1992 - 1:30:00

AVC-1992-146-2/2 **Surveyor Silver Anniversary**
A three-camera videotaping in von Kármán Auditorium. Speakers: Moustafa T. Chahine, Edward C. Stone, Eugene Shoemaker, Ray J. Wall, David P. Miller, Arthur L. Lane, Wesley T. Huntress, Jr., George Alexander, Joy Crisp, William Kaiser
Audience: JPL Site: von Kármán
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/26/1992 - 0:37:00

AVC-1992-149-1/1 **From Surveyor to Galileo and Beyond**
An edited video of segments taken from Ranger 9, Surveyor 7, Galileo Earth/Moon Rotation, New High Resolution Earth and Mars.
Audience: Resource
Client: Eric De Jong
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/26/1992 - 0:04:28 Producer: Savona

AVC-1992-150-1/1 **Asteroid Series**
Four segments from "NASA Today" programs broadcast during the month of May 1992.

The programs explore the efforts of scientists & engineers to track asteroids that may pose a threat
Audience:
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/01/1992 - 0:16:00 Producer: Semerano

AVC-1992-152-1/1 **Summary of the Ranger VII, VIII and IX Television Pictures**
First close-up TV pictures of the Moon taken before impact on the Lunar surface by Ranger VII, July 31, 1964; Ranger VIII, February 20, 1965; and Ranger IX, Mar 24, 1965.
Film Transfer 02/04/94 of JPL 693, B&W
Audience: Gen. Resource
Client: S. Bridges, Org. 182
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix JPL 693
03/24/1965 - 0:29:30

AVC-1992-164-1/1 **TOPEX/Poseidon Press Briefing**
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
07/29/1992 - 0:47:00

AVC-1992-165-1/1 **STS-50 Highlights Tape**
Dr. Eugene H. Trinh
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/03/1992 - 0:03:00 Producer: Stealey

AVC-1992-167-1/1 **TOPEX/Poseidon Press Release**
A one-camera shoot in various areas such as: The Control Room (SFOF), BLDG. 264, TOPEX/Poseidon animation
Audience: JPL
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/10/1992 - 0:07:00 Producer: Stealey

AVC-1992-168-1/1 **TOPEX/Poseidon Launch**

VTV-338 Taped off the satellite originating from French Guiana. Arianspace V52 launch.
Audience: Gen. Resource
Client: NASA
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/10/1992 - 1:15:00 Producer: Arianspace

AVC-1992-169-1/1 **TOPEX/Poseidon Launch (Control Room, SFOF)**
Raw Footage Shots taken in the Control Room (SFOF), prior to TOPEX/Poseidon launch
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/10/1992 - 0:45:00 Producer: Stealey

AVC-1992-170-1/1 **Venus Press Briefing (Magellan)**
VTV-343 A three-camera videotaping in von Kármán Auditorium. Speakers: Douglas Griffith, Dr. Steve Saunders, Dr. Thomas Donahue, Dr. Paul Steffes, Dr. James Head, Dr. David Sandwell, Dr. Ronald Greenley
Audience: JPL News Site: JPL von Kármán
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/11/1992 - 0:58:00 Producer: Savona

AVC-1992-171-1/1 **Auditorium shots of TOPEX/Poseidon Launch**
Random camera shots taken in the von Kármán Auditorium during the TOPEX/Poseidon Launch
Audience: JPL
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/10/1992 - 0:00:00 Producer: Stealey

AVC-1992-172-1/1 **Mars Observer Pre-Launch Press Release**
B Roll footage of assembly
Audience:
Client: Bob MacMillin
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/14/1992 - 0:04:30 Producer: Semerano

AVC-1992-173-1/1 **The Clouds of Venus - 1962**

Film - The story of Mariner II, the first spacecraft to fly by and report on the planet Venus.
Audience: Gen.
Client:
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix JPL 502
01/01/1962 - 0:29:23

AVC-1992-175-1/1 **Mars Observer Press Conference**
*Live from NASA headquarters
Audience: NASA News Resource
Client: NASA
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/19/1992 - 1:13:20

AVC-1992-181-1/1 **A Voyage to the Planets**
VTV-341 A visual flight through the solar system using Voyager, Magellan, Viking image data.
Audience: Gen.
Client: G. Alexander
Master: M-II Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
08/27/1992 - 0:10:45 Producer: Stealey

AVC-1992-183-1/1 **Solar System Visualization Collection #1**
----International Space Year -----
Voyage to The Planets (10:45)
Galileo Earth/Moon Rotation Movies (3:50)
Galileo Gaspra Encounter (1:55)
Gaspra Topography (:57)
From Surveyor To Galileo & Beyond (4:28)
Mars Candor Chasma (1:00)
Voyager Science Summary (29:00)
Audience:
Client: Eric De Jong
Master: BCAMsp Submaster: 3/4"
Audio 1: Mono mix 2: Mono mix
08/31/1992 - 0:50:35 Producer: Semerano

AVC-1992-184-1/1 **Solar System Visualization Collection #2**
---- International Space Year -----
Solar System Visualization for DRD talk (4:00)
Voyager Retrospective (3:00)
Magellan: Mapping The Planet Venus (9:00)
Collection of Magellan Venus Radar Mapping Results

(15:04)
Galileo Earth Rotation Movie (2:16)
Global Ozone Concentration Movies (19:12)
Mars Candor Chasma (1:00)
Ulysses Encounter With Jupiter (5:00)
Audience:
Client: Eric De Jong
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono Mix 2: Mono Mix
08/31/1992 - 0:28:32 Producer: Semerano

AVC-1992-188-1/1 **SIR-C Time Lapse Through July 1993**
One phase of SIR-C's construction filmed by a time lapse camera over a period of days and transferred & edited to video tape.
Audience:
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/10/1993 - 0:08:45 Producer: Semerano

AVC-1992-191-1/1 **TOPEX/Poseidon V-52 Launch**
(Bruce Hayes has Master)
Audience:
Client: Bruce Hayes
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/10/1992 - 1:23:35

AVC-1992-193-1/1 **"Mapping the Martian World" -- The Mars Observer Mission**
VTV-346 Describes a global mapping mission of Mars using computer animation and interviews to tell the story.
Audience: Gen. Site: various
Client: Carolynn Young - M/O, Org. PIO
Master: 1"C Submaster: 1"C
Audio 1: Mix 2: Mix
09/10/1992 - 0:07:14 Producer: Savona

AVC-1992-194-1/1 **MEMEX**
A production based on the book "Powers of Ten" which illustrates the scale of objects found in the universe, from the largest galaxy to the tiniest atom.
Audience:
Client: Stephen Coles
Master: 1"C
Audio 1: Mono mix 2: Mono mix

03/01/1992 - 0:15:00 Producer: Semerano

AVC-1992-196-1/1 **Turning Night Into Day - From Orbit, The Spaceborne Imaging Radar-C**
VTV-345 --- S S O R C E ---
Project Manager, Michael J. Sander talks about SIR-C.
Audience: Gen. Site: 186-AUD
Client: Michael Sander
Master: M-II Submaster: VHS
Audio 1: Mono mix 2: Mono mix
09/10/1992 - 0:59:00 Producer: Stealey

AVC-1992-198-1/1 **Monterey the Bay (Sanctuary Version)**
An edited video production combining Monterey, The Bay-Sanctuary footage and DIAL computer animation. The video is for display in the visitor's center at the Monterey, Bay Aquarium.
Audience: Gen.
Client: Kevin Hussey
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/15/1992 - 0:06:58 Producer: Savona

AVC-1992-200-1/1 **Rocky IV Demo & Mobility**
Production edited from previous Rocky IV footage. New material videotaped on VHS. For lecture purpose.
Audience:
Client: Dr. Matt Golombeck
Master: M-II
Audio 1: Mono mix 2: Mono mix
09/16/1992 - 0:05:24 Producer: Semerano

AVC-1992-202-1/1 **Mars Observer Pre-Launch**
Briefing from the Cape; Dave Evans, John Gibb, Len Fisk, Sid Soccier, James Womack, John Weems
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
09/24/1992 - 1:01:00

AVC-1992-203-1/1 **Mars Observer Launch Coverage From JPL**
B-Roll Footage of Public viewing launch of Mars Observer from various locals around lab.
Audience: JPL

Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/25/1992 - 0:25:00 Producer: Semerano

AVC-1992-204-1/3
VTV-355-1
Mars Observer Launch
Coverage From Cape
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
09/25/1992 - 1:35:28

AVC-1992-204-2/3
Mars Observer Launch
Coverage From Cape Launch footage at 28:00
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
09/25/1992 - 1:30:00

AVC-1992-204-3/3
Mars Observer Launch
Coverage From Cape X-Band lock from Canberra, Australia at 21:50 on tape
Audience: NASA
Client: NASA
Master: M-II
Audio 1: Mono mix 2: Mono mix
09/25/1992 - 0:45:54

AVC-1992-205-1/1
Mars Observer Post-Launch Press Conference
Coverage from Cape
Audience: NASA
Client: NASA
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/25/1992 - 0:25:00

AVC-1992-208-1/1
Miniature Seeker Technology Integration - MSTI
Video Update #2
An edited production describing JPL'S new Low Cost mission of a satellite that uses off the shelf components and can be built in less than a year.
Audience: JPL
Client: E. Kane Casani
Master: M-II Submaster: 1"C

Audio 1: Mono mix 2: Mono mix
10/01/1992 - 0:02:53 Producer: Savona

AVC-1992-211-1/1 **Autonomous Microrover Development at JPL**
An edited production showing four Microrovers in Arroyo and Death Valley test sites.
Audience: JPL Site: JPL
Client: Erran Gat/R. Desai
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
10/30/1992 - 0:05:20 Producer: Savona

AVC-1993-004-1/1 **HRMS**
High Resolution Microwave Survey
Video source reel; media release tape on the HRMS project segments include: 334 meter antenna, Aerials, Timelapse, HRMS Control Room
Audience: JPL
Client: PIO
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/07/1992 - 0:15:41 Producer: Stealey

AVC-1993-012-1/1 **NASA/KSC Video Release**
Includes: Mars Observer, Titan III Spacecraft Processing, Titan Vehicle, Mapping The Martian World, Launch, Isolated views
(Recorded-off NASA Television on Launch Day)
Audience: NASA
Client: NASA
Master: BCAMsp Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
09/25/1992 - 0:51:00 Producer: Savona

AVC-1993-013-1/9 **HRMS Dedication**
A single-camera documentation of HRMS
Includes all speeches and press Q&A
Speakers: Dr. Ed Stone, Dr. Gary Coulter, Dr. Mike Klein, Dr. Damuel Gulkins and Dr. Carl Sagan
Audience: JPL
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 1:23:00 Producer: Stealey

AVC-1993-013-2/9 **HRMS Dedication**

Hand held shots of HRMS dedication
Audience: JPL
Client: PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 0:45:00 Producer: Stealey

AVC-1993-013-3/9 **HRMS Dedication**
HRMS Interviews
Originally done of NASA Select "NASA TODAY"
Speaker: Samuel Gulkins, Project scientist
Audience: JPL
Client: PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 0:25:00 Producer: Stealey

AVC-1993-013-4/9 **HRMS Dedication**
Continuation of interviews
Audience: JPL
Client: PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 0:30:00 Producer: Stealey

AVC-1993-013-5/9 **HRMS Dedication**
Continuation of interviews
Audience: JPL
Client: PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 0:30:00 Producer: Stealey

AVC-1993-013-6/9 **HRMS Dedication**
Continuation of interviews
Audience: JPL
Client: PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 0:30:00 Producer: Stealey

AVC-1993-013-7/9 **HRMS Dedication**
Carl Sagan's address to kids about HRMS, Carl Sagan explains to a group of young people how HRMS works, Q & A closes tape.
Audience: JPL

Client: PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 0:23:00 Producer: Stealey

AVC-1993-013-8/9 **HRMS Dedication**
Stand-Ups NASA Today's, Katheryn Greenfield's stand-ups and leads to HRMS stories
Audience: JPL
Client: PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 0:20:00 Producer: Stealey

AVC-1993-013-9/9 **HRMS Dedication**
Opens & Closes for HRMS
Audience: JPL
Client: PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
10/12/1992 - 0:12:00 Producer: Stealey

AVC-1993-018-1/1 **Cassini Probe Release**
Engineering Study Scan conversion on the effect on the Cassini Spacecraft when the Huygens Probe is released.
Audience: JPL
Client: Brown/Wong
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/02/1992 - 0:05:23 Producer: Stealey

AVC-1993-030-1/1 **KECK - The First of a New Generation of Telescopes**
Dr. Edward Stone speaking at the Hughes Aircraft Company The Lawrence A. Hyland Lecture Series Satellite Downlink
Audience: NASA
Client: NASA
Master:
Audio 1: Mono mix 2: Mono mix
11/11/1992 - 1:15:00

AVC-1993-038-1/2 **SETI Antenna Footage**
Film to tape transfer by Phototronics.
Time lapse raw footage of the Search for Extraterrestrial Intelligence (SETI) antenna. Includes arty night and day shots at several angles. Sunrise shots with sun behind

antenna.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
10/05/1992 - 0:30:00

AVC-1993-038-2/2 **SETI Antenna Footage**
Film to tape transfer by Phototronics.
Time lapse raw footage of the Search for Extraterrestrial Intelligence (SETI) antenna. Sunrise shot with sun behind antenna.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
10/05/1992 - 0:07:45

AVC-1993-042-1/1 **DSS-13 SETI- Hour 2**
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/01/1992 - 0:30:00

AVC-1993-053-1/1 **The Final Step To Jupiter**
A video production illustrating Galileo Earth II Encounter. The tape is to be used during encounter at the Smithsonian in Washington DC.
Audience:
Client: Maynard Hine
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/28/1992 - 0:04:09 Producer: Savona

AVC-1993-054-1/1 **"Gaspra Flyby"**
Three 26 frame movies of the Gaspra Asteroid made from data acquired by the Galileo spacecraft.
Audience: NASA
Client: Eric De Jong
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/01/1992 - 0:01:30 Producer: Semerano

AVC-1993-055-1/1 **MSTI Launch**
Audience: NASA

Client: Joy Hodges
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/21/1992 - 0:30:00 Producer: Gary Savona

AVC-1993-056-1/1 **STS-46 Mission Highlights Resource Tape**
(JSC 1273)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/21/1992 - 0:50:00

AVC-1993-057-1/1 **STS-47 Mission Highlights Resource Tape**
(JSC 1279)
Audience: NASA
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/01/1992 - 1:00:00

AVC-1993-058-1/1 **STS-50 Video Highlights Resource Tape**
(JSC 1265)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/01/1992 - 0:49:30

AVC-1993-059-1/2 **STS-50 Special Events Resource Tape**
(JSC 1295)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/01/1992 - 1:11:00

AVC-1993-059-2/2 **STS-50 Special Events Resource Tape**
(JSC 1295)
Audience: NASA Resource
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1295
12/01/1992 - 1:11:00

AVC-1993-060-1/1 **Galileo Earth 2 Minus 7 Days Press Conference**

A three-camera videotaping in von Kármán receiving the Gaspra Encounter and a preview to the upcoming Earth 2 Encounter Speakers: William O'Neil, Dr. T.V. Johnson, Dr. Joseph Veverka
Audience: JPL Site: von Kármán
Client: PIO
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/01/1992 - 1:10:00 Producer: Stealey

AVC-1993-061-1/1 **Closest Approach Galileo Trajectory Animation**
UTC Timeline: 14:49:25-15:29:25
Audience: NASA
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/01/1992 - 0:40:00

AVC-1993-062-1/2 **Post Encounter Galileo Trajectory Animation**
UTC Timeline: 15:29:25-16:49:25
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/01/1992 - 1:20:00

AVC-1993-062-2/2 **Post Encounter Galileo Trajectory Animation**
UTC Timeline: 15:29:25-16:49:25
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/01/1992 - 1:20:00

AVC-1993-063-1/1 **Galileo Moon Flyby Press Release**
Three segments of computer animation illustrating the Moon Flyby.
Audience: JPL
Client: Bob Mac Millin
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/02/1992 - 0:02:11 Producer: Savona

AVC-1993-067-1/1 **Pictures of Neptune-Taken by Voyager 2**
Transfer of images form still store of Voyager's Flyby of Neptune

Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/03/1993 - 0:12:00 Producer: Semerano

AVC-1993-069-1/1 **Galileo Moon Encounter 2**
Simulation and Images Three separate movies of Galileo's Flyby during Earth 2 Encounter
Audience: JPL
Client: Eric De Jong
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 0:08:20 Producer: Semerano

AVC-1993-070-1/1 **Galileo Earth/Moon Encounter 2- Simulation 1 & 2.**
AVC-93-070 & AVC-93-071 tied onto one tape.
Audience: Resource
Client: Eric De Jong, Org. 3233
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 0:06:04

AVC-1993-071-1/1 **Galileo Earth/Moon Encounter 2- Simulation 2**
Tied onto AVC-93-070.
Audience: Resource
Client: Eric De Jong, Org. 3233
Master:
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 0:00:00

AVC-1993-072-1/3 **Galileo Blue Room Coverage**
VTV-374 Speakers: Terrile & O'Neil
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 0:45:00

AVC-1993-072-2/3 **Galileo Blue Room Coverage**
VTV-374 Speakers: Terrile, Greenelee, Johnson, Ausman, and Buxbaum
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix

12/08/1992 - 1:00:00

AVC-1993-072-3/3 **Galileo Blue Room Coverage**
VTV-374
Speakers: Terrile, Kurth, and Sagan
Audience: News
Client:
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 0:45:00

AVC-1993-073-1/1 **Galileo Earth/Moon 2 Encounter Press Conference**
VTV-373
A four-camera videotaping in von Kármán Auditorium
Speakers: Dr. W. Huntress, William O'Neil, Neal Ausman, Dr. T. Johnson, Dr. R. Greeley
Audience: JPL News Site: von Kármán
Client: Maynard Hine
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 1:22:00 Producer: Stealey

AVC-1993-074-1/1 **A Search for Life on Earth with the Galileo Spacecraft**
VTV-371
A three-camera videotaping of Carl Sagan's presentation of the Galileo spacecraft's ability detect life on Earth.
Audience: Gen. Site: von Kármán
Client: PAO, Org. 180
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/09/1992 - 1:06:00 Producer: Stealey

AVC-1993-075-1/2 **STS-46 Special Events Resource Tape**
(JSC 1291)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 1:27:00

AVC-1993-075-2/2 **STS-46 Special Events Resource Tape**
(JSC 1291)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 1:27:00

AVC-1993-076-1/2 **STS-47 Special Events Resource Tape**
(JSC 1292)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/09/1992 - 1:40:30

AVC-1993-076-2/2 **STS-47 Special Events Resource Tape**
(JSC 1292)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/09/1992 - 1:40:30

AVC-1993-080-1/1 **Mariner 2 30th Anniversary Press Release Tape**
Clips from AVC-92-173 "The Clouds of Venus" used as a press release W/O audio
Audience: JPL
Client: Jim Wilson, PIO
Master: M-II
Audio 1: Mono mix 2: Mono mix
12/14/1992 - 0:02:39 Producer: Stealey

AVC-1993-091-1/1 **JPL Year End Review**
A short update of significant events that JPL participated in during 1992. Narrated by George Alexander for broadcast over NASA Select T.V.
Audience: NASA
Client: NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
01/07/1993 - 0:03:00 Producer: Stealey

AVC-1993-092-1/1 **ROSAT: Dark Matter**
News Release
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/05/1993 - 0:01:26

AVC-1993-093-1/1 **Galileo Probe Spacecraft Mission to Jupiter**
NEWS RELEASE
Animation of The Galileo Probe entering the

atmosphere of Jupiter. Some construction of probe shots included. Tape footage from Ames Research Center.
Audience: News
Client:
Master: BCAMsp Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
01/14/1993 - 0:09:00 Producer: Stealey

AVC-1993-097-1/1 **Galileo Earth/Moon 2 Real Time Pictures**
Recorded live during Encounter
Audience: NASA
Client:
Master: DVCPro50 Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/08/1992 - 0:32:50 Producer: Ziats

AVC-1993-103-1/1 **1992 Local-Remote Telerobotics**
An edited video production demonstrating computer-aided telerobotic technology from a local site to remote site
Audience:
Client: Wayne Zimmerman
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
02/03/1993 - 0:07:06 Producer: Savona

AVC-1993-109-1/1 **SIR-C "XSS Antenna Mating"**
BLDG. 179 - Raw Footage
Audience:
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
02/16/1993 - 0:44:00

AVC-1993-110-1/1 **JPL A Tradition of Discovery**
VTV-390 1993 Version
Audience: JPL
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/18/1993 - 0:09:00

AVC-1993-111-1/1 **Dan Goldin's Address to NASA Employees**
Audience: NASA
Client:
Master: sVHS

Audio 1: Mono mix 2: Mono mix
02/18/1993 - 0:06:35

AVC-1993-113-1/1 **HAZBOT III**
Emergency Response Vehicle An edited production demonstrating a robotic vehicle, Hazbot 3, responding to a hazardous material spill in building 305.
Audience: JPL Site: 305
Client: Rick Welch
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
02/19/1993 - 0:07:47 Producer: Savona

AVC-1993-114-1/1 **TOPEX Animation**
VTV-389
1. Topography of the World's Oceans by Topex/Poseidon NASA/CNES.
2. Currents of the World's Oceans, a joint US/French Space Mission.
This was produced by Denise P. Leconte with scientific guidance by Dr. Lee-Lueng Fu.
Audience:
Client:
Master: BCAMsp Submaster: 1"C
Audio 1: 2:
02/01/1993 - 0:04:34

AVC-1993-117-1/1 **TOPEX/Poseidon Press Conference**
VTV-387
Charles Yammarone Jr., JPL; Philippe Escudier, CNES; Dr. Lee-Lueng Fu, JPL; Michael Lifebure, CNES; Byron Tapley, U. of Texas; Dr. James Mitchell, NRL; Jean-Francois Minster, CNES.
Includes animation.
Audience: Gen. Site: JPL 186-Aud
Client: Topex/PIO, Org. 181
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
02/26/1993 - 1:20:00 Producer: Stealey

AVC-1993-118-1/2 **STS-52 Special Events Resource Tape**
(JSSC 1293)
Audience: NASA
Client:
Master: VHS
Audio 1: Mono mix 2: Mono mix
02/24/1993 - 2:46:00

AVC-1993-118-2/2 **STS-52 Special Events Resource Tape**
(JSSC 1293)
Audience: NASA
Client:
Master: VHS
Audio 1: Mono mix 2: Mono mix
02/24/1993 - 0:00:00

AVC-1993-124-1/1 **Miniature Seeker Technology Integration - MSTI**
An edited video production describing one of JPL's new low cost missions called MSTI. A satellite built with off the shelf hardware in less than a year. (Final Version)
Audience:
Client: E. Kane Casani
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
03/09/1993 - 0:02:31 Producer: Savona

AVC-1993-125-1/1 **STS-52 Mission Highlights**
(JSC 1284)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/11/1993 - 0:49:30

AVC-1993-127-1/1 **Soft X-Ray Telescope**
Produced by Lockheed Corp., the video shows the launch of the X-Ray Telescope which was sponsored by both the United States and Japan. Included are several images of the Sun and its corona as seen through this instrument.
Audience: NASA
Client:
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/21/1992 - 0:06:00

AVC-1993-131-1/1 **TOPEX/Poseidon Observation of the El Nino**
By the Naval Research Lab, Stennis Space Center
Audience:
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/26/1993 - 0:06:30

AVC-1993-133-1/2 **STS-54 Special Events Resource Tape**
(VJSC 1310)
Audience: Resource
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/20/1993 - 1:37:00

AVC-1993-133-2/2 **STS-54 Special Events Resource Tape**
(VJSC 1310)
Audience: Resource
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/20/1993 - 1:37:00

AVC-1993-134-1/1 **Kennedy Laser Disc Project**
VTV-394 An edited production giving a visual overview of JPL. Intended for use in a larger production for the Visitors Center at The Kennedy Space Center
Audience: Gen. Site: JPL
Client: KSC, Org. NASA
Master: 1"C Submaster: 1"C
Audio 1: Mix 2: Mix
03/24/1993 - 0:03:30 Producer: Stealey

AVC-1993-136-1/1 **Magellan: The Next Generation**
The transition from radar to Gravity Science, Aerobraking, and circular Orbit Operations
Flight Projects Office A three-camera videotaping in von Kármán Auditorium
Audience: JPL Site: von Kármán
Client: Anita Sohus
Master: M-II
Audio 1: Mono mix 2: Mono mix
03/26/1993 - 0:44:39 Producer: Savona

AVC-1993-139-1/2 **Galileo Compilation Tape**
Blue Room - Tape 1
Bill O'Neal (AVC-93-072)
Blue Room - Tape 2
Neal Ausman (AVC-93-072)
Audience: JPL
Client: Maynard Hine
Master: M-II

Audio 1: Mono mix 2: Mono mix
03/31/1993 - 0:50:00 Producer: Ziats

AVC-1993-139-2/2 **Galileo Compilation Tape**
Earth/Moon 2 Encounter Press Conference (AVC-93-073)
Earth/Moon 2 Encounter Rotation Movie (AVC-93-073)
Audience: JPL
Client: Maynard Hine
Master: M-II
Audio 1: Mono mix 2: Mono mix
03/31/1993 - 0:00:00 Producer: Ziats

AVC-1993-144-1/1 **A Summary Of Magellan Results**
VTV-396 Magellan Science Seminar
A three-camera videotaping of a talk by Tommy Thompson in von Kármán Auditorium.
Audience: JPL Site: von Kármán
Client: Mona Jasnow
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
04/14/1993 - 0:56:00 Producer: Savona

AVC-1993-147-1/1 **STS-54 Mission Highlights Resource Tape**
(JSC 1309)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/14/1993 - 0:48:15

AVC-1993-150-1/1 **"Coronae, Chasmata, and Terrestrial-Like Subduction on Venus"**
VTV-402 Magellan Science Seminar
A three-camera videotaping of a talk by Gerald Schubert in von Kármán Auditorium.
Audience: JPL Site: von Kármán
Client: Mona Jasnow
Master: 1"C
Audio 1: Mono mix 2: Mono mix
05/05/1993 - 1:02:00 Producer: Savona

AVC-1993-153-1/1 **MESUR Airbag Impact Attenuation Subsystem**
3 Phase test conducted jointly with JPL and Sandia National Laboratory.
Phase 1 - Vertical Drop in Earth Atmosphere.
Phase 2 - Vertical Drop at Mars Ambient Pressure.
Phase 3 - Combined Vertical & Horizontal Impact in Earth Atmosphere.
Audience: Tech.
Client: Tom Rivellini, Org. 3520
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/17/1993 - 0:04:30

AVC-1993-154-1/1 **Galileo: Ready for Ida... Next Stop, Jupiter**
VTV-404 Speakers: Dr. Buxbaum & James C. Marr IV
They explain the Ida and Jupiter Encounter
Audience: Site: von Kármán
Client: Anita Sohus
Master: M-II
Audio 1: Mono mix 2: Mono mix
05/17/1993 - 0:58:00 Producer: Stealey

AVC-1993-154-2/1 **Galileo: Ready for Ida... Next Stop, Jupiter**
VTV-404 Speakers: Dr. Buxbaum & James C. Marr IV
They explain the Ida and Jupiter Encounter
Audience: Site: von Kármán
Client: Anita Sohus
Master:
Audio 1: Mono mix 2: Mono mix
05/17/1993 - 0:00:00 Producer: Stealey

AVC-1993-158-1/1 **Collection of three computer generated flyovers of Venus.**
1. Dione Regio - Ushas, Innini, and Hathor Mons
2. Beta & Atla Regio - Gravity, Topography and Radar results
3. Ovda Regio - Western Aphrodite Terra and Adivar

crater
Also available on AVC-91-091
Audience:
Client: Eric De Jong
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/26/1993 - 0:07:37 Producer: Stealey

AVC-1993-159-1/1
VTV-407

Magellan Aerobraking Press Conference
From NASA Headquarters
Speakers: Douglas Griffith, Steve Saunders, Ellen Stofan, Wes Huntress, William Sjiogren
Audience: NASA
Client: NASA
Master: BCAMsp Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
05/26/1993 - 1:10:00

AVC-1993-161-1/1

ATM-Lunar Rover Demo
An edited video production demonstrating remote networking of a microrover using fiber optic links.
Audience:
Client: Ed Chow
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
05/27/1993 - 0:03:32 Producer: Savona

AVC-1993-163-1/1

MSTI Data Processing
A production utilizing mostly computer graphics showing how the MSTI Spacecraft performed its mission. The production concludes with an animated flyover of the BAJA peninsula based on data acquired by the spacecraft.
Audience:
Client: Dr. Meemong Lee
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/04/1993 - 0:06:30 Producer: Semerano

AVC-1993-167-1/1
VTV-412

TOPEX/Poseidon: Monitoring Earth's Oceans from Space
Flight Projects Office A three-camera videotaping in von Kármán Auditorium, featuring Rod Zieger, mission manager and Terry Adamski, Flight Operation Manager. Discussed the Topex Mission and results up to Feb. 1993.
Audience: JPL Site: von Kármán
Client: Anita Sohus

Master: sVHS Submaster: M-II
Audio 1: Mono mix 2: Mono mix
06/14/1993 - 0:59:15 Producer: Stealey

AVC-1993-168-1/1 **Venus: Then and Now**
VTV-413 Magellan Science Seminar A three-camera videotaping of a talk by Dr. Steve Saunders in von Kármán Auditorium.
Audience: JPL
Client: Mona Jasnow
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/16/1993 - 0:53:40 Producer: Savona

AVC-1993-169-1/1 **MESUR/Pathfinder Half scale testbed Flight Test #1**
Coverage of half scale model parachute test at California City, CA. Collections of shots four various sources. Parachute test was unsuccessful.
June 11, 1993
Part #1 - 26:35
Part #2 - 18:48
Audience: JPL
Client: Van Warren
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/16/1993 - 0:45:23 Producer: Stealey

AVC-1993-171-1/1 **MESUR - Mars Environmental Survey**
An edited video production showing current research and tests in the Pathfinder Project. Project members describe their particular research.
Audience: JPL
Client: Brian Muirhead
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
06/17/1991 - 0:06:24 Producer: Savona

AVC-1993-172-1/2 **STS-55 Special Events Resource Tape**
VTV-414 3/4" tape from NASA - Johnson Space Center
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
05/01/1993 - 1:00:00

AVC-1993-172-2/2 **STS-55 Special Events Resource Tape**

3/4" tape from NASA - Johnson Space Center
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
05/01/1993 - 0:31:00

AVC-1993-175-1/1 **Visible/IR Milky Way Comparison**
A series of images illustrating the trajectory and results of the SIRT-F Mission.
Audience: JPL
Client: Mike Osmolovsky
Master: 1"C
Audio 1: Mono mix 2: Mono mix
07/08/1993 - 0:02:30 Producer: Semerano

AVC-1993-177-1/1 **Cassini: Mission to Saturn**
Flight Projects Office
Speakers: Christopher Jones & Linda Horn
Audience: Tech. JPL
Client: Anita Sohus
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/19/1993 - 0:57:00 Producer: Stealey

AVC-1993-181-1/1 **W.M. KECK OBSERVATORY: New Window into the Universe**
An edited production. Includes a description of the world's largest telescope, shows a time lapse film of the construction of the observatory, and interviews of participants involved. Participants include:
Sandra Faber, Astronomer, U.C. Santa Cruz
Jerry Nelson, Keck Telescope Project Scientist
Walter Cronkite
Ed Stone, V. P. CalTech
Aarne Hass, C.A.R.A. Engineer
Jerry Smith, Project Manager
The Observatory is located on Mauna Kea, Hawaii. Sponsoring Institutions are California Institute of Technology, NASA & University of California. W.M. Keck Foundation, Donor.
Audience: Gen.
Client: Dawson/Photo Lab
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/20/1993 - 0:12:38 Producer: Dawson / Savona

AVC-1993-184-1/1 **STS-56 Mission Highlights**

Resource Tape (JSC 1345)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
07/29/1993 - 0:54:45

AVC-1993-190-1/1 **"SIR-C Time Lapse at KSC"**
Time lapse of SIR-C Antenna activities at Kennedy Space Center. Included at beginning is regular footage showing arrival of antenna at KSC.
Audience: Resource
Client: Tom Wynne
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/16/1993 - 0:12:00 Producer: Semerano

AVC-1993-191-1/1 **Magellan Press Release Videotape**
1. Upper Atmosphere Composition and O-C02 Radiative Cooling - 2:22
2. Aerobraking to Circular Orbit - 1:53
Audience: Resource
Client: Magellan/PIO, Org. 181
Master: 1"C Submaster: 1"C
Audio 1: 2:
08/10/1993 - 0:04:15

AVC-1993-192-1/1 **Magellan Press Conference**
"Magellan Aerobraking to Circular Orbit: The Atmospheric Drag Experiment". Speakers: Bob MacMillin (Manager PIO), Doug Griffith (Magellan Project Manager) Tavormina (Magellan Deputy Mission Dir.) Gerald Keating (Sr. Research Scientist)
Audience: JPL Site: von Kármán
Client: Mona Jasnow
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/01/1993 - 1:07:03 Producer: Stealey

AVC-1993-193-1/1 **Mars Observer Launch Activities**
At beginning of tape is "Mapping The Martian World"; edited version of AVC-92-204C1M, C2M & C3M. At the end of tape is "New Mars Observer Orbit Insertion Animation".
Audience:
Client: Glenn Cunningham
Master: 1"C Submaster: BCAMsp

Audio 1: Mono mix 2: Mono mix
08/09/1993 - 0:42:00 Producer: Semerano

AVC-1993-194-1/1 **STS - 55 Mission Highlights Resource**
(JSC 1339)
Audience: NASA
Client: NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/09/1993 - 0:59:15

AVC-1993-198-1/1 **Mars Orbit Insertion Release**
MARS OBSERVER ORBIT INSERTION ANIMATION
An edited video production illustrating the Mars Observer orbit insertion on August 24, 1993.
Aired on NASA Today.
Audience: NASA
Client: Carolynn Young
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/18/1993 - 0:02:39 Producer: Savona

AVC-1993-199-1/1 **Mars Observer Computer Animation Raw Elements**
Mars Observer computer animation elements visually describing the Mars Observer mission from launch to orbit insertion. Computer animation released on 8/18/92 and 7/29/93 Disregard scenes 1 through 9
Scene 10 opening of solar panels - 14secs.
"11 Mars Observer away from camera - 13secs.
"12 MO Trajectory line at mars - 20secs.
"13 MO deployment at mars - 1secs.
"14 CU of MO - 25secs.
"15 MO release from TOS - 12secs.
"Mars Orbit Insertion - 30secs.
"Mars Orbit Insertion Burn - 85secs.
Audience: JPL
Client: Carolynn Young
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/18/1993 - 0:03:20 Producer: Savona

AVC-1993-200-1/1 **Mars Observer Mission Status**
Glenn Cunningham conducts an impromptu discussion with the press on the status of the Mars Observer spacecraft, 24 hours after mission control lost contact with the spacecraft.

Audience: Tech. Resource Site: JPL
Client: PIO, Org. 181
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/23/1993 - 0:22:50

AVC-1993-201-1/1 **Mars Observer Press Conference 8/24/93, 10:00 a.m.**
Topic: The procedures for Mars orbit insertion. Dr. William L. Piotrowski - NASA Hq.
Glenn Cunningham, JPL, M/O Project Manager
Dr. Arden Albee, CIT, M/O Project Scientist
Note: Contact was lost with the spacecraft on 8/21/93.
Audience: Gen. Site: von Kármán Aud
Client: PIO, Org. 181
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1993 - 0:54:00 Producer: Stealey

AVC-1993-202-1/2 **MARS OBSERVER ORBIT INSERTION SHOW**
A five-camera live to NASA Television Program covering events during orbit insertion. Hosted by Steve Wall. Guests are both live and pre-recorded.
Audio Mixed
Audience:
Client: Carolynn Young
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1993 - 1:30:00 Producer: Savona

AVC-1993-202-2/2 **MARS OBSERVER ORBIT INSERTION SHOW**
A five-camera live to NASA Television Program covering events during orbit insertion. Hosted by Steve Wall. Guests are both live and pre-recorded.
Audio Mixed
Audience:
Client: Carolynn Young
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/24/1993 - 0:27:00 Producer: Savona

AVC-1993-203-1/1 **Mars Observer Press Briefing**
Mars Observer Press Briefing
Glenn Cunningham entertains questions from the press on why the Mars Observer has not spoken up since MOI.
Audience:
Client: PIO

Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/24/1993 - 0:24:00 Producer: Stealey

AVC-1993-204-1/1 **Mars Observer Press Conference**
Glenn Cunningham Mars Observer Mission Manager updates the media on the loss of the Mars Observer radio signal.
Audience: JPL
Client: PIO
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/25/1993 - 0:17:21 Producer: Stealey

AVC-1993-208-1/1 **Welcome to Outer Space - Single Screen Version**
VTV-428 Single screen version of the triple-screen multi-media show. A fast paced overview of the Jet Propulsion Laboratory for new employees and visitors to JPL. Depicts the history of JPL, past and future flight projects, and other JPL activities. Originally produced by Phil Neuhauser and Tom Woodward. New footage has been added to both update the original production and to accommodate 3 screen version for single screen presentation.
Audience: Gen. Site: JPL
Client: Phil Neuhauser, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
02/09/1995 - 0:22:00 Producer: Woodward/Semerano

AVC-1993-209-1/1 **Mars Observer and the Laboratory**
A three-camera videotaping of a talk by Dr. Edward Stone, Piotrowski and Dallas in von Kármán Auditorium.
Audience:
Client: George Alexander
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
08/27/1993 - 0:17:00 Producer: Savona

AVC-1993-213-1/1 **MESUR Pathfinder Microrover - Flight Experiment 14 September 1993**
An Edited video showing a microrover flight experiment. Includes interviews with engineers in the project.
Audience: Gen. Site: JPL
Client: Donna Shirley
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix

09/13/1993 - 0:07:28 Producer: Savona

AVC-1993-215-1/1 **The Night Sky - Shows 1, 2, 3 & 4**
"PATH OF THE PLANETS"
Describes the path of the planets through the ecliptic plane. TRT 15:00
"SATURN RINGED WONDER"
Saturn's view tones and history of observing the planet are discussed. TRT 13:51
"A BINOCULAR TOUR THROUGH THE NIGHT SKY"
Astronomy using binoculars, what objects are the best to view. TRT 14:28
"OBSERVING THE NIGHT SKY"
Observing the night sky introduces viewers on how to use telescopes and binoculars on viewing the night sky.
All programs hosted by David Seidel.
Audience: Gen. Edu.
Client: NASA TV, Org. NASA
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1996 - 0:58:00 Producer: Stealey

AVC-1993-216-1/1 **The Night Sky - Shows 5, 6, 7 & 8**
METEORS AND ASTEROIDS
Steve Edberg explains how to take pictures of meteor trails and Karen Buxbaum talks about Galileo - IDA encounter. 15:07
THE SEASONS AND THE STARS
David Seidel describes the seasonal changes and the star of the seasons. 13:07
SUMMER STARS
David Seidel takes us through a tour of the summer constellations. 14:46
THE NIGHT SKY
Rich Terrile hosted the program pilot with Steve Edberg. Lunar eclipses were discussed.
Audience: Gen. Edu.
Client: NASA TV, Org. NASA
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1996 - 0:55:00 Producer: Stealey

AVC-1994-002-1/1 **STS-53 Mission Highlights**
DOD Mission launched 12/2/92
Audience: Resource

Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1297
10/01/1993 - 0:49:00 Producer: NASA

AVC-1994-003-1/1 **A Testbed for Future Missions**
Edited production explaining the flight system testbed and ability to test flight hardware in a
variety of configurations. Kane Casani explains the creations of the testbed and the Mesur systems being tested in the testbed.
Audience: Gen. Site: 179-112
Client: Kane Casani, Org. 203
Master: 1"C Submaster: BCAMsp
Audio 1: Mix 2: Mix
10/06/1993 - 0:06:31 Producer: Stealey

AVC-1994-004-1/1 **NSCAT Project Antenna**
Deployment Tests
Audience: Tech.
Client: Tom Wynne
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
07/01/1992 - 0:30:00

AVC-1994-007-1/1 **HAZBOT III - Emergency Response Vehicle**
A reedited shorter version of a demonstration held
in, February 1993, that shows a robotic vehicle,
Hazbot III, responding to a hazardous material spill in building 305.
Original full-length version can be found on AVC-93-113.
Audience: Tech. Site: JPL-305
Client: R. Welch/G. Edmonds, Org. 347
Master: 1"C Submaster: 1"C
Audio 1: Mix 2: Mix AVC-93-113
02/19/1993 - 0:03:38 Producer: Savona

AVC-1994-010-1/1 **1993 Challenge Awards Student Project (short version)**
Student project--Earth observations by the
Astronauts in support of the Shuttle Imaging Radar. Five students explain what they have studied at JPL's remote sensing lab, using visuals of the Earth taken by shuttle astronauts.
SHORT VERSION
Audience: JPL
Client: JoBea Way

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/18/1993 - 0:05:00 Producer: Semerano

AVC-1994-010-1/1 **1993 Challenge Awards Student Project (long version)**
Student project--Earth observations by the Astronauts in support of the Shuttle Imaging Radar. Five students explain what they have studied at JPL's remote sensing lab, using visuals of the Earth taken by shuttle astronauts.
LONG VERSION
Audience: JPL
Client: JoBea Way
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/18/1993 - 0:30:00 Producer: Semerano

AVC-1994-011-1/1 **Multi-Sensor Remote Surface Inspection**
Demonstrates a multi-sensor robotic platform that is maneuvered around with a 7 degree robotic arm. Describes how the technology could help astronauts work on orbital replacement units attached to space structures.
Audience: NASA Site: JPL
Client: S. Hayati/D. Lim, Org. 347
Master: 1"C Submaster: 1"C
Audio 1: Mix 2: Mix
10/23/1993 - 0:05:35 Producer: Savona

AVC-1994-020-1/1 **STS-57 Post Flight Press Conference**
VTV-432 Space Shuttle Endeavour retrieval of a European satellite EURECA. Also carried aboard is a privately-developed mid-deck module SPACEHAB. Included 13 commercial experiments, 1 NASA experiment, 3 Get Away Specials (GAS), FARE, AMOS, and some EVA tests.
Audience: Gen. Site: JSC
Client: , Org. NASA
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix VJSC1356
10/28/1993 - 0:59:23

AVC-1994-023-1/1 **P.O.S.S.E. Segments**
In the event a remix is required or new music and additional sound effects desired, an audio track containing only the narration can be found on the MII duplicate maintained in the library under the same AVC number.
Audience: Gen.

Client: Alexander/Neuhauser
Master: BCAMsp
Audio 1: Stereo 2: Stereo
11/01/1993 - 0:18:00 Producer: Semerano

AVC-1994-028-1/3 **An Operational Overview of the Ulysses Instruments**
The results of Ulysses science instruments. Presented in three parts:
Part 1 - Roger Hess: Unified Radio and Plasma
Audience: Tech.
Client: Ed Massey
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/08/1993 - 0:39:32 Producer: Stealey

AVC-1994-028-2/3 **An Operational Overview of the Ulysses Instruments**
The results of Ulysses science instruments. Presented in three parts:
Part 2 - John Phillips/Bruce Goldstein: Solar Wind observation over the Poles of the Sun.
Audience: Tech.
Client: Ed Massey
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/08/1993 - 0:40:12 Producer: Stealey

AVC-1994-028-3/3 **An Operational Overview of the Ulysses Instruments**
The results of Ulysses science instruments. Presented in three parts:
Part 3 - Kevin Hurley: Solar X-Rays and Cosmic Gamma Ray Bursts
Audience: Tech.
Client: Ed Massey
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/08/1993 - 0:25:00 Producer: Stealey

AVC-1994-031-1/1 **STS-61 Pre-Flight Press Conference**
STS-61 Pre-Flight Press Conference
Included on tape is EVA Task Animation concerning Hubble Space Telescope Servicing Task.
NOTE: Missing introduction.
Recorded off NASA Television from Goddard Space Flight Center.
Audience: News Site: Goddard
Client:

Master:
Audio 1: Mono mix 2: Mono mix
11/18/1993 - 1:40:00 Producer: NASA Goddard

AVC-1994-033-1/2 **Hubble Space Telescope Mission Overview Press Conf.**
Speakers: Ken Ledbetter, Joe Rothenbuge, Dr. Dave Leckrone and Dr. Ed Weiler
Recorded off NASA Television from Goddard Space Flight Center.
TRT: 1:41:00
Audience: News Site: Goddard
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
11/18/1993 - 1:30:00 Producer: NASA Goddard

AVC-1994-033-2/2 **Hubble Space Telescope Mission Overview Press Conf.**
Part 2 of 2
Audience: News Site: Goddard
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
11/18/1993 - 0:11:00 Producer: NASA Goddard

AVC-1994-034-1/1 **Hubble Space Telescope Technical Presentations**
News presentation related to the STS-61 Mission.
Speakers: Larry Simmons, Dr. John Trauger, Jim Crocker, Dr. Holland Ford and Derek Eaton
Audience: News Site: Goddard
Client:
Master: M-II
Audio 1: Mono mix 2: Mono mix
11/18/1993 - 1:12:00 Producer: NASA Goddard

AVC-1994-035-1/1 **Wide Field/Planetary Camera II Press Release Footage**
1st segment: JPL Clean Room Coverage - :36
2nd segment: Computer animation of Camera - :45
3rd segment: Insertion Footage of WFPC II at Goddard - 3:13
4th segment: JSC animation of changeout of cameras - 1:44
This raw footage is for release purposes at the cape during the STS-61 Hubble Servicing Mission.
Audience: Resource
Client: PIO/Diane Ainsworth
Master: 1"C

Audio 1: Mono mix 2: Mono mix
11/22/1993 - 0:05:38 Producer: Savona

AVC-1994-042-1/1
VTV-436

Hubble Space Telescope Top 10 Greatest Hits
"Discoveries from the Horizons of Space and Time" A compilation of HST images and animations. Excellent source material for producers & editors. For more info: Sarah Keegan, NASA Hq. 202/358-1547 or Ray Villard, Space Science Inst. 410/338-4514
Audience:
Client: , Org. NASA
Master: BCAMsp Submaster: BCAMsp
Audio 1: mix 2: mix
11/30/1993 - 0:07:02 Producer: NASA

AVC-1994-043-1/1

NSCAT Engineering Balloon Deployment Tests
1st - Test Events 7&8. Pneumatic Release - 6:50
2nd - Balloon Handling Activities - 4:22
3rd - Deployment Tests 1 through 13 - 22:43
NOTE: Photo Lab Production (Tom Wynne/Savona) AVSO added music and titles to photo lab production; no music was added to 3rd segment.
October & November 1993
Audio Unmixed: Need to play in mixed mode to duplicate.
Audience: Tech.
Client: Tom Wynne
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
11/01/1993 - 0:34:03 Producer: Wynne/Savona

AVC-1994-044-1/1

The Night Sky - Programs 9, 10, 11 & 12
1. Promo #1 Lunar Eclipse 0:51; Promo #2 Taking Pictures 0:56; "Total Lunar Eclipse" 16:32
2. "The Autumn Sky and Constellations" 15:03
3. "The November Sky" 13:46
4. "Phases and Craters of the Moon" 14:26
Note: Each program separated by 5 sec. of black.
Audience: Gen. Site: various
Client: NASA TV, Org. NASA
Master: BCAMsp
Audio 1: Mix 2: Mix
12/01/1993 - 1:02:00 Producer: Stealey

AVC-1994-045-1/1

SKICAT
SKY IMAGE CATALOGING AND ANALYSIS TOOL

Dr. U. Fayyad, AI Group
Audience: Tech. Site: Caltech
Client: Dr. Usama Fayyad, Org. 3663
Master: BCAMsp Submaster: 1"C
Audio 1: Mix 2: Mix
12/03/1993 - 0:18:47 Producer: Stealey

AVC-1994-047-1/1 **STS-59 Endeavour Space Radar Lab I Antenna Installed on Pallet**
Raw footage of the installation of the SIR-C/X-SAR. Shot by KSC (Bionetics Corp.). KSC93-31262
Audience: Site: KSC
Client: Van der Woude/M. Jasnow, Org. 181
Master: BCAMsp
Audio 1: Nat. sound 2: Nat. sound KSC93-31262
11/23/1993 - 0:04:30 Producer: KSC

AVC-1994-047-1/1 **STS-59 Endeavour Space Radar Lab I Antenna Installed on Pallet**
Raw footage of the installation of the SIR-C/X-SAR. Shot by KSC (Bionetics Corp.). KSC93-31262
Audience: Site: KSC
Client: Van der Woude/M. Jasnow, Org. 181
Master: B-sp
Audio 1: Nat. sound 2: Nat. sound KSC93-31262
11/23/1993 - 0:04:30 Producer: KSC

AVC-1994-050-1/1 **STS-61 Mission Highlights**
VTV 438 "Hubble's First Servicing Mission"
Edited video of the mission highlights of STS-61's EVA's. Includes all 5 spacewalks with special emphasis on WF/PC-II's installation.
Note: Edited immediately after landing.
Audience: Gen. Site: NASA TV
Client: Mike Devirian, Org. 7600
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
12/17/1993 - 0:11:17 Producer: Savona

AVC-1994-051-1/3 **Hubble Space Telescope Servicing Mission Briefings**
1. "Countdown Status Briefing of STS-61" 14:00
2. "HST Servicing Mission Overview" 51:10
3. "HST Science Overview (part 1) 25:00
Taped off of NASA TV from KSC
1. Linbach, Snyder, Precilac; 2. Brinkley, Ledbetter, Rothenberg; 3. Loncrone, Wiler
Audience: News Site: KSC
Client: M. Devirian WF/PC, Org. 7600

Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/29/1993 - 1:30:00

AVC-1994-051-2/3 **Hubble Space Telescope Servicing Mission Briefings**
3. "HST Science Overview (cont.) 25:00
Loncrone, Wiler
4. "HST Technical Presentations" (part 1) 33:00
Simmons, Trauger, Crocker, Ford, Eaton
Taped off of NASA TV from KSC
Audience: News Site: KSC
Client: M. Devirian WF/PC, Org. 7600
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/29/1993 - 1:00:00

AVC-1994-051-3/3 **Hubble Space Telescope Servicing Mission Briefings**
4. "HST Technical Presentations" (part 2) 23:00 Simmons, Trauger, Crocker, Ford, Eaton
Tape off of NASA TV
Audience: News Site: KSC
Client: M. Devirian WF/PC, Org. 7600
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/29/1993 - 0:23:00

AVC-1994-052-1/3 **STS-61's Wide Field/Planetary Camera II Coverage**
Unedited coverage recorded live from NASA TV. Shows the removal of WF/PC-I and the installation of WF/PC-II in the Hubble Space Telescope.
Audience: Gen. Site: NASA TV
Client: Mike Devirian, Org. 7600
Master: M-II
Audio 1: Mono Mix 2: Mono Mix
12/06/1993 - 1:30:00 Producer: Borst/Savona

AVC-1994-052-2/3 **STS-61's Wide Field/Planetary Camera II Coverage**
Unedited coverage recorded live from NASA TV. Shows the removal of WF/PC-I and the installation of WF/PC-II in the Hubble Space Telescope.
Audience: Gen. Site: NASA TV
Client: Mike Devirian, Org. 7600
Master: M-II
Audio 1: Mono Mix 2: Mono Mix
12/06/1993 - 1:30:00 Producer: Borst/Savona

AVC-1994-052-3/3 **STS-61's Wide Field/Planetary Camera II Coverage**
Unedited coverage recorded live from NASA TV. Shows the removal of WF/PC-I and the installation of WF/PC-II in the Hubble Space Telescope.
At 35 minutes into this part, the magnetometer installation begins through the end of the tape.
Audience: Gen. Site: NASA TV
Client: Mike Devirian, Org. 7600
Master: M-II
Audio 1: Mono Mix 2: Mono Mix
12/06/1993 - 1:30:00 Producer: Borst/Savona

AVC-1994-054-1/1 **JPL Year End Review 1993**
Segment produced for the "NASA Year Ender".
Reprise of the highlights which marked JPL's continuing role in the exploration of space during 1993.
Intro and narrated by Frank O'Donnell
Audience: Resource Site: JPL
Client: NASA TV - W. Hart, Org. NASA
Master: 1"C
Audio 1: Unmixed 2: Unmixed
Not for stand alone use!!
12/22/1993 - 0:03:50 Producer: Stealey/Semerano

AVC-1994-055-1/1 **SIR-C Education Collection**
1. Insight to Global Change
2. Magellan: Mapping the Planet Venus
3. Artemis 4. SIR-C Time Lapse
5. 1993 Challenge Awards
6. NASA Today
7. NASA's DC-8 Flying Lab
Audience: Gen. Site: Various
Client: Ellen O'Leary/SIR-C, Org. 770
Master: BCAMsp
Audio 1: Mix 2: Mix
12/01/1993 - 0:46:00 Producer: Various (Semerano)

AVC-1994-056-1/2 **STS-61 Post Flight Press Conference**
The astronauts recount their experiences during the first Hubble Space Telescope Servicing Mission onboard STS-61.
Q & A follows.
Note: 2:40 overlap between parts 1 & 2.
Audience: Site: JSC (NASA TV)
Client: M. Devirian - WF/PC-II
Master: M-II
Audio 1: Mix 2: Mix

01/04/1994 - 1:35:00 Producer: JSC

AVC-1994-056-2/3 **STS-61 Post Flight Press Conference**
The astronauts recount their experiences during the first Hubble Space Telescope Servicing Mission onboard STS-61. Q & A follows.
Audience: Site: JSC (NASA TV)
Client: M. Devirian - WF/PC-II
Master: M-II
Audio 1: Mix 2: Mix
01/04/1994 - 1:37:00 Producer: JSC

AVC-1994-056-3/3 **STS-61 Post Flight Press Conference**
The astronauts recount their experiences during the first Hubble Space Telescope Servicing Mission onboard STS-61. Q & A follows.
Note: 2:40 overlap between parts 1 & 2.
Audience: Site: JSC (NASA TV)
Client: M. Devirian - WF/PC-II
Master: M-II
Audio 1: Mix 2: Mix
01/04/1994 - 0:05:00 Producer: JSC

AVC-1994-057-1/2 **Mars Observer Failure Investigation Final Report News Conference**
Moderator: Don Savage, NASA HQ. P.A.O.
Speakers: Dr. Timothy Coffey, Director of Research Naval Research Laboratory;
Dr. Edward Stone, Jet Propulsion Laboratory;
Dr. Wes Huntress, Associate Administrator, Space Science NASA. Q and A follows.
Audience: News Site: NASA Hq.
Client: M/0 - PIO, Org. 181
Master: M-II Submaster: 1"C
Audio 1: Mix 2: Mix
01/05/1994 - 1:00:00

AVC-1994-057-2/2 **Mars Observer Failure Investigation Final Report News Conference**
Part 2
Audience: News Site: NASA Hq.
Client: M/0 - PIO, Org. 181
Master: M-II Submaster: 1"C
Audio 1: Mix 2: Mix
01/05/1994 - 0:28:00

AVC-1994-060-1/1 **Hubble Space Telescope Press Release**
B-roll footage. Comparison of WFPC-1 & WFPC-2 of galaxy

M100; WFPC-2 wide field of M100;
Scenes - WFPC-2 mated to shuttle, removal from storage case, installation in HST by astronauts; Animation - WFPC-2 light path; B-roll WFPC-2 in clean room; COSTAR installation and animation.
Audience: Resource
Client: Sarah Keegan, Org. NASA
Master: Submaster: BCAMsp
Audio 1: Mono Mix 2: Mono Mix
01/13/1994 - 0:10:50

AVC-1994-062-1/1 **STS-59 Space Radar Lab X-SAR/SIR-C Lifted into Work Stand**
in the SAEF II
Raw footage
Film Transfer
KSC93-30864
Audience: Site: KSC
Client: Mona Jasnow, Org. 2700
Master: Submaster: BCAMsp
Audio 1: Nat Sound 2: Nat Sound
08/02/1993 - 0:03:00

AVC-1994-063-1/1 **STS-59, Space Radar Lab #1 Antenna Installation into Work Stand**
Raw footage
Film Transfer
KSC93-31240
Audience: Site: KSC
Client: Mona Jasnow, Org. 2700
Master: Submaster: BCAMsp
Audio 1: Nat Sound 2: Nat Sound
11/12/1993 - 0:05:30

AVC-1994-064-1/1 **STS-59 Endeavor Space Radar Lab I Antenna Installed on Pallet**
Raw footage - Cameraman 303
Film Transfer
KSC93-31262
Audience: Site: KSC
Client: Mona Jasnow, Org. 2700
Master: Submaster: BCAMsp
Audio 1: Nat Sound 2: Nat Sound
11/23/1993 - 0:05:40

AVC-1994-065-1/1 **STS-59 Space Radar Lab I moved to Work Stand**
Raw footage
Film Transfer
KSC94-40117

Audience: Resource Site: KSC
Client: Mona Jasnow, Org. 2700
Master: Submaster: BCAMsp
Audio 1: Nat Sound 2: Nat Sound
01/10/1994 - 0:07:30

AVC-1994-066-1/1
VTV-452

Hubble Space Telescope's First Corrected Image Press Conference
Panel: Geoffrey Vincent, Peter Burr,
Daniel Goldin, Dr. John Gibbons, Senator Barbara Mikulski.
From NASA TV/Goddard Space Flight Center
Audience: Site: Goddard SFC
Client: M. Devirian/PIO, Org. 7600
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/13/1994 - 0:31:00 Producer: Goddard

AVC-1994-067-1/2
VTV-446

Hubble Space Telescope Science Overview Briefing
Panel: Randee Exler, Dr. Ed Weiler,
Dr. Dave Leckrone, Dr. John Trauger,
Dr. Chris Burrows, Jim Crocker, Dr. Holland Ford and Dr.
Duccio Macchetto.
Discussed results of first servicing mission.
From NASA TV/Goddard Space Flight Center
Audience: Gen. Site: Goddard SFC
Client: M. Devirian/PIO, Org. 7600
Master: M-II
Audio 1: Mono mix 2: Mono mix
01/13/1994 - 1:00:00 Producer: Goddard

AVC-1994-067-2/2
VTV-446

Hubble Space Telescope Science Overview Briefing
Panel: Randee Exler, Dr. Ed Weiler,
Dr. Dave Leckrone, Dr. John Trauger,
Dr. Chris Burrows, Jim Crocker, Dr. Holland Ford and Dr.
Duccio Macchetto.
Discussed results of first servicing mission.
From NASA TV/Goddard Space Flight Center
Audience: Gen. Site: Goddard SFC
Client: M. Devirian/PIO, Org. 7600
Master: M-II
Audio 1: Mono mix 2: Mono mix
01/13/1994 - 0:18:00 Producer: Goddard

AVC-1994-068-1/1 **Hubble Space Telescope Spacecraft Overview Briefing**
Panel: Randee Exler, Ken Ledbetter,
Frank Cepollina and Joe Rothenberg.
Discussed results of first servicing mission.
From NASA TV/Goddard Space Flight Center.
Tape playbacks of video used in briefing at end.
Audience: Gen. Site: Goddard SFC
Client: M. Devirian/PIO, Org. 7600
Master: M-II
Audio 1: Mono mix 2: Mono mix
01/13/1994 - 0:45:00 Producer: Goddard

AVC-1994-069-1/1 **Report on the JPL Mars Observer Loss-of-signal Special Review Board**
-Flight Projects Office-
R. Rhoads Stephenson discusses the findings of the JPL
Special Review Board investigating the Mars Observer
failure.
Audience: JPL Site: 186-AUD
Client: Anita Sohus, Org. FPO
Master: M-II Submaster: 1"C
Audio 1: Mono Mix 2: Mono Mix
01/14/1994 - 1:36:00 Producer: Savona

AVC-1994-072-1/1 **Exploring the Solar System - A Data Animation Collection**
A collection of video animations made from actual data.
Includes: Mars, Miranda, Venus, San Andreas, Earth's Oceans,
Monterey Bay, Gaspra, Earth/Moon, Earth, Jupiter
Magnetosphere, Neptune,
Voyager trajectories, Mimas and Saturn.
Note: for a lecture by Dr. Carl Sagan, music only.
Audience: Gen.
Client: G. Alexander/C. Sagan, Org. 1800
Master: 1"C
Audio 1: Stereo mix 2: Stereo mix
01/19/1994 - 0:12:31 Producer: Stealey

AVC-1994-073-1/2 **STS-58 Special Events Resource Tape**
Space Shuttle Columbia - SLS-2 Mission
(Spacelab Life Sciences-2)
TRT 1:21:30
JSC production VJSC1384
Audience: Resource
Client: , Org. NASA
Master: Submaster: 3/4"
Audio 1: Mix 2: Mix VJSC1384

01/01/1994 - 1:00:00

AVC-1994-073-2/2 **STS-58 Special Events Resource Tape**
Space Shuttle Columbia - SLS-2 Mission
(Spacelab Life Sciences-2)
TRT 1:21:30
JSC production VJSC1384
Audience: Resource
Client: , Org. NASA
Master: Submaster: 3/4"
Audio 1: Mix 2: Mix VJSC1384
01/01/1994 - 0:21:30

AVC-1994-074-1/1 **1993 - A Year End Review**
VTV-450 Reviews the accomplishments, during 1993, of the
NASA Centers around the country .
Note: JPL segment hosted by Frank O'Donnell, produced by
Stealey/Semerano.
Audience: Gen. Site: NASA TV
Client: Steve Bridges, Org. 182
Master: sVHS
Audio 1: Mix 2: Mix
01/25/1993 - 0:48:00 Producer: Bill Hart, NASA

AVC-1994-076-1/1 **The Night Sky: January, 1994 Programs - Programs 13, 14, 15 & 16**
1. "Exploring our Solar System" 15:29
2. "The Winter Sky" 15:30
3. "Astronomical Terminology" 15:12
4. "Types of Telescopes" 16:53
All hosted by David Siedel.
Audience: Gen. Edu.
Client: Bridges/Alvidrez, Org. 182/3
Master: Submaster: BCAMsp
Audio 1: 2:
02/01/1994 - 1:03:04 Producer: Stealey

AVC-1994-077-1/1 **JPL/GPS Global Positioning System Earthquake Studies Press Release**
1. Interviews with Dr. Thomas Yunck & Dr. Andrea Donnellan,
JPL Tracking Systems & Application Sec.
2. Stock footage of GPS Receiver site in the Santa Susana
Mountains.
3. Animation of the Global Positioning System.
Audience: Site: see above
Client: E. McNevin/PIO, Org. 181
Master: 1"C
Audio 1: Mono mix 2: Mono mix

02/04/1994 - 0:12:35 Producer: Stealey

AVC-1994-078-1/1 **Pluto Animation**
Pluto Fast Flyby Spacecraft during its closest approach with Pluto and its moon Charon.
Animated by David Seal
Audience:
Client: PIO/Van der Woude, Org. 181
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
01/07/1994 - 0:00:10 Producer: Semerano

AVC-1994-081-1/1 **The Night Sky - Programs 17, 18, 19 & 20**
1. "A Conversation with John Dobson" 2/14/94 - 13:55
Discusses amateur telescope construction with the inventor of the Dobsonian telescope mount.
2. "GPS Studying Earthquakes from Space" 2/23/94 -11:39.
Guest Dr. Andrea Donnellan, Geophysicist, discusses using the Global Positioning Satellite System to study plate tectonics on Earth.
3. "Viewing the Annular Eclispe, May 10, 1994" - 16:00
How to safely view the annular eclipse.
4. "The Annular Eclipse: A Look Back" - 17:00
Edited version of the live show that aired May 10, 1994.
All shows include "coming up" bumpers.
All programs hosted by David Siedel
Audience: Gen. Edu.
Client: S. Bridges/R. Alvidrez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/14/1994 - 1:03:00 Producer: Stealey

AVC-1994-088-1/1 **Comets and Asteroids**
--- P.O.S.S.E. Series ---
A general overview of the role Comets and Asteroids may have played in the evolution of the solar system and perhaps in the history of life itself. Produced for the Public Outreach for Solar System Exploration committee.
Audience: Gen.
Client: Alexander/Neuhauser, Org. 1800
Master: BCAMsp
Audio 1: Stereo Mix 2: Stereo Mix
02/24/1994 - 0:03:25 Producer: Semerano

AVC-1994-090-1/1 **SIR-C Antenna Construction and Activity through August 1994**
The assembly, testing and shipment of various Spaceborne

Imaging Radar-C components.
Incorporated into the video are time-lapse film transfers of activity at both JPL and Kennedy Space Center. Included are a series of stills made from available media showing the antenna under construction.
Audience: Resource Site: JPL/KSC
Client: Mike Sander, Org. 770
Master: 1"C
Audio 1: Silent 2: Silent
08/17/1994 - 0:15:00 Producer: Semerano

AVC-1994-096-1/1 **STS-59 Sharpedge Inspection in OPF, Highbay-1**
Photographic Services Branch of Kennedy Space Center documenting further SIR-C activities at KSC prior to launch.
X9024-133, KSC94-40289
Audience: Resource Site: KSC
Client: Mona Jasnow, Org. 770
Master: Submaster: BCAMsp
Audio 1: Nat sound 2: KSC94-40289
02/25/1994 - 0:05:43 Producer: Bionetics Corp.

AVC-1994-097-1/1 **Serpentine Robotic Arm**
A short demonstration of a new type of robotic arm being articulated during a simulated inspection.
Produced for managers meeting.
Audience: Tech.
Client: Tom Lee
Master: 1"C
Audio 1: Silent 2:
03/15/1994 - 0:02:56 Producer: Semerano

AVC-1994-100-1/1 **Galileo Press Conference - Moon of the Asteroid Ida**
VTV-460
Press Conference examining the probable sighting of a natural satellite of the Asteroid Ida by the Galileo Spacecraft. Discussing what might prove to be the first visual evidence of a moon orbiting an asteroid, a 5 member panel took questions from the press and other NASA centers during a live press conference held in the studio adjacent to von Kármán Auditorium. The panel was composed of 1) William J. O'Neil, Galileo Project Manager, JPL 2) Dr. Michael J.S. Belton, Team Leader, Solid State Imaging Investigation, National Optical Astronomy Observatories 3) Dr. Robert W. Carlson, Principal Investigator, Near Infrared Mapping Spectrometer, JPL 4) Dr. Clark R. Chapman, Team Member, Solid State Imaging Investigation, Planetary Science Institute/SAIC 5) Dr.

Torrence V. Johnson, Galileo Project Scientist, JPL.
Audience: News Site: 186-Studio
Client: T. Johnson/PIO, Org. 230
Master: 1"C
Audio 1: Mono mix 2: Mono mix
03/23/1994 - 1:00:00 Producer: Semerano

AVC-1994-101-1/1 **STS-59 Rollover to VAB**
B-Roll of the Shuttle Endeavour being moved at Kennedy Space Center in preparation for launch of SIR-C.
A NASA/KSC video release.
Audience: News Site: KSC
Client: Mona Jasnow, Org. 770
Master: sVHS
Audio 1: Mono mix 2: Mono mix
03/01/1994 - 0:06:00

AVC-1994-104-1/1 **SIR-C/X-SAR/STS-59 Computer Animation Press Release**
SHUTTLE ORBIT COMPUTER ANMIMATION 0:01:20
This prelaunch SIR-C/X-SAR computer animation combines Galileo Earth image data with a model of the shuttle to illustrate an artist's conception of the shuttle orbiting the Earth. Second we see three colored ellipses emanating from the shuttle bay representing the three radar frequencies, I, C and X bands.
SUPERSITES 0:01:47
This prelaunch SIR-C/X-SAR computer animation uses a cloudless AVHRR map of the Earth to depict the nineteen mission supersites.
Audience: News
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Silent 2:
NOTE: Not for release use AVC-94-116.
03/29/1994 - 0:03:15

AVC-1994-105-1/3 **SIR-C/X-SAR, STS-59, L-14 Press Conferences**
MISSION OVERVIEW (0:18:00) -
Al Pennington, Lead Flight Director
Kelly Humphries, moderator.
SPACE RADAR LABORATORY OVERVIEW (0:43:00) -
Miriam Baltuck, SRL-1 Program Scientist
Lew Wade, SRL-1 Mission Manager
Kelly Humphries, moderator
SIR-C/X-SAR SCIENCE BRIEFING (1:05:00) -
[on parts 1 & 2]

Mike Sander, SIR-C Project Manager, JPL;
Manfred Wahl, X-SAR Project Manager, DARA;
Paolo Ammendola, X-SAR Deputy Project Mngr, ASI;
Diane Evans, SIR-C Project Scientist; JPL
Herwig Ottl, German X-SAR Project Scientist
Mario Calamia, Italian X-SAR Project Scientist
MAPS SCIENCE BRIEFING (0:25:00) - Hank Riechle
[part 3]
ASTRONAUT BRIEFING (0:53:00)
Kevin Chilton, Pilot
Mission Specialists: Linda Goodwin, Rich Clifford, Jay Apt, Tom Jones
Sid Gutierrez, moderator
COMPUTER ANIMATION (0:04:00)

AVC-94-104-1/1

Audience: News Site: JSC
Client: Mona Jasnow/PIO, Org. 770
Master: M-II
Audio 1: Mono mix 2: Mono mix
Total Run Time: 2:23:00
03/29/1994 - 1:30:00 Producer: Borst

AVC-1994-105-2/3 **SIR-C/X-SAR, STS-59, L-14 Press Conferences**
Part 2 of 3.
Audience: News Site: JSC
Client: Mona Jasnow/PIO, Org. 770
Master: M-II
Audio 1: Mono mix 2: Mono mix
Total Run Time: 2:23:00
03/29/1994 - 1:00:00 Producer: Borst

AVC-1994-105-3/3 **SIR-C/X-SAR, STS-59, L-14 Press Conferences**
Part 3 of 3.
Audience: News Site: JSC
Client: Mona Jasnow/PIO, Org. 770
Master: M-II
Audio 1: Mono mix 2: Mono mix
Total Run Time: 2:23:00
03/29/1994 - 0:53:00 Producer: Borst

AVC-1994-106-1/1 **SIR-C/X-SAR, STS-59, L-14 Press Conferences (EDITED)**
Condensed version of the 3/29/94 press conferences
(AVC-94-105 parts 1-3.
Intended for playback to JPL employees
Audience: Gen. Site: JSC
Client: Mona Jasnow/PIO, Org. 770

Master: M-II
Audio 1: Mono mix 2: Mono mix
03/29/1994 - 0:59:10 Producer: Semerano

AVC-1994-107-1/1
VTV-619

STS-61 Hubble Servicing and WF/PC Highlights
Brief highlights of the Hubble Servicing Mission.
Shows the first comparison images from the Wide Field\Planetary Cameras I & II.
Audience: Gen.
Client: Kane Casani, Org. 2030
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/01/1994 - 0:03:29 Producer: Stealey/Savona

AVC-1994-108-1/1

SIR-C/X-SAR Insertion of Antenna into Cargo Bay & Door Closure
Raw resource footage, natural sound.
2/16/94 SRL P/L Into STS-59 Orbiter
3/3/94 Cargo Bay Door Closure/SRL
Audience: Resource Site: KSC
Client: Mona Jasnow, Org. 770
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/16/1994 - 1:50:00 Producer: KSC

AVC-1994-112-1/2

TRC Compilation Tape - JPL Computer Graphics
JPL Teacher's Resource Center's master duplication tape.
Consists of:
[master - tape 1]
AVC-91-111 JPL Solar System Visualization Project
Magellan at Venus
Galileo at Earth
Voyager at Jupiter
-- VENUS --
AVC-92-001 Magellan: Mapping the Planet Venus
AVC-91-122 Alpha Regio
AVC-91-092 Western Eistla Regio -
Sif Mons and Gula Mons
AVC-91-031 Western Ishtar Regio
AVC-92-024 Artemis Chasma
AVC-92-105 Western Atla Regio
-- EARTH AND MOON --
AVC-87-026 L.A. The Movie
AVC-88-087 Earth The Movie
AVC-91-082 Monterey The Bay
AVC-91-133 Geological Tour of the Central Wyoming Basin

AVC-93-084 Galileo Earth/Moon 2
"Flight over the Moon"
"Images of Earth"
"A Last View of Earth"
Naval Research Lab - 1/4 Degree 5.5 Layer Model
Global Sea Level Changes - Comparison between the Topex/Poseidon Observations and a Numerical Ocean Model
AVC-92-124 Global Ozone Concentration Movies
-- MARS --
AVC-89-012 Mars The Movie
[master - tape 2]
ASTEROIDS -
AVC-91-018 Radar Images of Asteroid 1989 PB (4769 Castalia)
AVC-92-025 Galileo: Gaspra Closest Approach Anima.
-- JUPITER --
AVC-89-154 Voyager: The Last Picture Show
AVC-90-007 Galileo, the Jovian Laboratory
Jupiter Magnetosphere Computer Animation
-- URANUS --
AVC-88-009 Miranda The Movie
AVC-94-164 Out of the Darkness - Mission to Pluto
Audience:
Client: Phil Schmidt, Org. 183
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/04/1994 - 1:26:30 Producer: Savona

AVC-1994-112-2/2 **TRC Compilation Tape - JPL Computer Graphics**
Part 2 of 2
Audience:
Client: Phil Schmidt, Org. 183
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/04/1994 - 0:26:12 Producer: Savona

AVC-1994-113-1/1 **SIR-C/X-SAR L-1 News Conference**
Participants:
Dr. Charles S. Kennel, Assoc. Admin., Mission to Planet Earth; Prof. Heinz Stoewer, Managing Director, German Space Agency; Prof. S. Leschuitta, Chairman of Italian Scientific Committee; Brewster Shaw, Director Space Shuttle Operations; Robert Sieck, KSC Launch Director; Capt. Tyree Wilde, Air Force Staff Meteorologist; Dick Young, Moderator.
Audience: News Site: KSC

Client: Mona Jasnow, Org. 770
Master: BCAMsp Submaster: M-II
Audio 1: Mono mix 2: Mono mix
04/07/1994 - 1:06:00 Producer: KSC/NASA TV

AVC-1994-116-1/1 **SIR-C/X-SAR/STS-59 Computer Animation Press Release**
1. SIR-C/X-SAR Shuttle orbits 9-12 Animation - A simulated view of shuttle orbits 9-12 around the Earth. Second, the radar instrument with L, C and X band antennas highlighted in three colors. Last, three colored ellipses emanating from the antennas mounted in the shuttle bay, representing the three radar frequencies. (Approx. 2:15)
2. SIR-C/X-SAR Animation in Shuttle - A close-up of the Sir-C/X-Sar instrument highlighting the flexibility of the X-Sar instrument panels. (Approx. 0:00:30)
3. SIR-C/X-SAR/STS-59 Computer Animation - Computer animation highlights the 19 global supersites using a cloudless AVHRR map of the Earth to show the locations to be studied by the shuttle-borne instrument. (Approx. 0:01:45)
4. SIR-C/X-SAR Simulated Flight over Stove Pipe Wells, Death Valley, Calif. (00:01:40)
Audience: News
Client: E. Mc Nevin/PIO, Org. 181
Master: BCAMs
Audio 1: Mono mix 2: Mono mix
----> USE AVC-94-144 Collection <----
04/16/1994 - 0:06:10 Producer: Semerano

AVC-1994-117-1/1 **STS-59 Launch & Replays**
Launch of Shuttle STS-59 and the SIR-C/X-SAR payload. Launch at 0:13:00.
Audience: Gen. Site: KSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/09/1994 - 0:43:26 Producer: KSC/NASA TV

AVC-1994-118-1/1 **SIR-C/X-SAR/STS-59 4/9/94 Mission Update**
Mission Update with Rob Navias.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: 3/4"
Audio 1: Mono mix 2: Mono mix BRF1066
04/09/1994 - 0:16:45 Producer: JSC/NASA TV

AVC-1994-119-1/1 **STS-59 Post Launch Press Briefing & Launch Replays**

0:16:20 Post Launch Briefing with
Loren Shriver, Launch Integration Manager and Robert Sieck, KSC Launch Director.
0:32:30 Launch Replays
Audience: News Site: KSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/09/1994 - 0:48:50 Producer: KSC/NASA TV

AVC-1994-120-1/1 **SIR-C/X-SAR/STS-59 4/10/94 Flight Day 1 Highlights**
Scenes from Space Shuttle Endeavour including the Space Radar Laboratory mission.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/09/1994 - 0:31:00 Producer: JSC/NASA TV

AVC-1994-121-1/1 **SIR-C/X-SAR/STS-59 4/10/94 Mission Update & Status Briefing**
17:11 Mission Update with Rob Navias.
31:00 Status Briefing with
Randy Stone, STS-59 Mission Operations Director;
Dr. Miriam Baltuck, SRL-1 Pgm. Scientist, NASA-HQ;
Dr. Ed Stone, Director, JPL;
Dr. Charles Elachi, JPL Science Team Leader, SIR-C, JPL;
Prof. Heinz Stoewer, Managing Director German Space Agency (DARA)
Audience: News Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/10/1994 - 0:48:11 Producer: JSC/NASA TV

AVC-1994-122-1/1 **SIR-C/X-SAR/STS-59 4/10/94 Flight Day 2 Highlights**
Scenes from Space Shuttle Endeavour including the Space Radar Laboratory mission.
Audience: Gen.
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/10/1994 - 0:34:00 Producer: JSC/NASA TV

AVC-1994-123-1/1 **SIR-C/X-SAR/STS-59 4/11/94 Mission Update & Status Briefing**
20:00 Mission Update with Rob Navias.
31:42 Status Briefing with

Randy Stone, Mission Operations Director;
Dr. Diane Evans, JPL, SIR-C Proj. Scientist;
Dr. Herwig Oettl, Germany X-SAR Proj. Scientist.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/11/1994 - 0:51:42 Producer: JSC/NASA TV

AVC-1994-124-1/1 **SIR-C/X-SAR/STS-59 4/11/94 Flight Day 3 Highlights**
Scenes from Space Shuttle Endeavour including the Space Radar Laboratory mission.
Audience: Gen.
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/11/1994 - 0:31:00 Producer: JSC/NASA TV

AVC-1994-125-1/1 **SIR-C Visual History**
Documentation of certain phases of SIR-C's development. 1)The Construction 2)First Flight Results 3) Post Flight Talk by Astronauts 4) Flight 2 Delay 5) Aboard Endeavor 6) Second Flight Results 7) Post Flight Press Conference 8) Final Views from Space 9) Credits 10) Timelapse Const.
Audience: Gen.
Client: Mike Sander, Org. 7700
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/12/1994 - 0:59:36 Producer: Semerano/Savona

AVC-1994-127-1/1 **SIR-C/X-SAR/STS-59 4/12/94 Mission Update & Status Briefing**
20:00 Mission Update with Rob Navias.
40:00 Status Briefing with
Randy Stone, Mission Operations Director;
Dr. Henry Reichle, MAPS Principal Investigator;
Dr. Herwig Oettl, X-SAR Proj. Scientist, Germany;
Bob Beal, Wave Forecasting Exp., John Hopkins Applied Physics Lab.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/12/1994 - 1:00:00 Producer: JSC/NASA TV

AVC-1994-128-1/1 **SIR-C/X-SAR/STS-59 4/12/94 Flight Day 4 Highlights**
Scenes from Space Shuttle Endeavour including the Space

Radar Laboratory mission.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/12/1994 - 0:45:03 Producer: JSC/NASA TV

AVC-1994-129-1/1 **SIR-C/X-SAR/STS-59 4/13/94 Mission Update & Status Briefing**
17:21 Mission Update with Rob Navias.
31:20 Status Briefing with
Randy Stone, Mission Operations Director;
Dr. Jobea Way, SIR-C Ecology Experiment Rep.;
Dr. Herwig Oettl, X-SAR Proj. Scientist, Germany;
Dr. Mario Calomia, X-SAR, Italian Proj. Scientist.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/13/1994 - 0:48:41 Producer: JSC/NASA TV

AVC-1994-130-1/1 **SIR-C/X-SAR/STS-59 4/13/94 Flight Day 5 Highlights**
Scenes from Space Shuttle Endeavour including the Space Radar Laboratory mission.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/13/1994 - 0:30:45 Producer: JSC/NASA TV

AVC-1994-131-1/1 **SIR-C/X-SAR/STS-59 4/14/94 Mission Update & Status Briefing**
17:00 Mission Update with Rob Navias.
32:00 Status Briefing with
Randy Stone, Mission Operations Director;
Dr. Diane Evans, JPL, SIR-C Proj. Scientist;
Cristiana Schmullius, X-SAR Science Team Leader.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/14/1994 - 0:49:00 Producer: JSC/NASA TV

AVC-1994-132-1/1 **SIR-C/X-SAR/STS-59 4/14/94 Flight Day 6 Highlights**
Scenes from Space Shuttle Endeavour including the Space Radar Laboratory mission.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/14/1994 - 0:32:00 Producer: JSC/NASA TV

AVC-1994-133-1/1 **SIR-C/X-SAR/STS-59 4/15/94 Mission Update & Status Briefing**
16:20 Mission Update with Rob Navias.
27:30 Status Briefing with
Randy Stone, Mission Operations Director;
Dr. Miriam Baltuck, SRL-1 Project Scientist;
Dr. Herwig Oettl, X-SAR Proj. Scientist, Germany;
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/15/1994 - 0:43:50 Producer: JSC/NASA TV

AVC-1994-134-1/1 **SIR-C/X-SAR/STS-59 4/15/94 Flight Day 7 Highlights**
Scenes from Space Shuttle Endeavour including the
Space Radar Laboratory mission.
Audience: Gen. NASA Site: JSC/NASA TV
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/15/1994 - 0:33:00

AVC-1994-135-1/1 **SIR-C/X-SAR/STS-59 4/16/94 Mission Update, Status Briefing, Highlights**
12:43 Mission Update with Rob Navias.
15:38 Status Briefing with Dr. Charles Elachi, JPL Science Team Leader, SIR-C, JPL; Dr. Herwig Oettl, X-SAR Proj. Scientist, Germany.
34:47 Flight Day 8 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/16/1994 - 1:03:30 Producer: JSC/NASA TV

AVC-1994-137-1/1 **SIR-C/X-SAR/STS-59 4/17/94 Mission Update & Status Briefing**
11:30 Mission Update with Rob Navias.
12:00 Status Briefing with
Randy Stone, Mission Operations Director;
Dr. Diane Evans, JPL, SIR-C Proj. Scientist;
Cristiana Schmullius, X-SAR Science Team Leader;
Steve Wall, JPL.
Audience: Gen. Site: JSC

Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/17/1994 - 0:23:30 Producer: JSC/NASA TV

AVC-1994-138-1/1 **SIR-C/X-SAR/STS-59 4/17/94 Flight Day 9 Highlights**
Scenes from Space Shuttle Endeavour including the Space Radar Laboratory mission.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/17/1994 - 0:41:21 Producer: JSC/NASA TV

AVC-1994-139-1/1 **SIR-C/X-SAR/STS-59 4/18/94 Mission Update & Status/Science Briefings**
14:30 Mission Update with Rob Navias.
6:00 Status Briefing with Rich Jackson.
35:00 SLR-1 Science Briefing with
Dr. Mario Calomia, X-SAR, Italian Proj. Scientist;
Dr. Diane Evans, JPL, SIR-C Proj. Scientist;
Dr. Herwig Oettl, X-SAR Proj. Scientist, Germany.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/18/1994 - 0:55:30 Producer: JSC/NASA TV

AVC-1994-140-1/1 **SIR-C/X-SAR/STS-59 4/18/94 Flight Day 10 Highlights**
Scenes from Space Shuttle Endeavour including the Space Radar Laboratory mission.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/18/1994 - 0:28:00 Producer: JSC/NASA TV

AVC-1994-141-1/1 **SIR-C/X-SAR/STS-59 Post Landing and Wrap Up Briefings**
19:15 Post Landing Briefing with
Brewster Shaw, Director Space Shuttle Ops.;
Rich Jackson, STS-59 Entry Flight Director.
35:07 SLR-1 Wrap Up Briefing with
Neil Hernan, SIR-C Deputy Project Manager;
Manfred Wahl, X-SAR German Project Manager;
Paolo Ammendola, X-SAR Italian Project Manager;
John Fedoris, MAPS Project Manager.

Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/19/1994 - 0:58:15 Producer: JSC/NASA TV

AVC-1994-142-1/1 **STS-61 Mission Highlights (Special Edit)**
Special edit of AVC-94-050.
Hubble's First Servicing Mission
Audience: Gen.
Client: Dr. Stone, Org. 100
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/01/1994 - 0:08:00 Producer: Borst

AVC-1994-144-1/1 **SIR-C/X-SAR STS-59 Computer Animation Collection - 4/18/94**
VTV-468
0:00 Computer simulated flight over Isabela
Galapagos Islands, Ecuador
April 18, 1994 (1:35)
1:40 Computer simulated flight over Stove Pipe
Wells
Death Valley, California
April 17, 1994 (1:40)
3:30 Fort Zinder, Sahara
Comparison of radar and optical observations
April 18, 1994 (2:40)
6:20 Prince Albert, Canada
Comparison of radar and optical observations
for orbits 20 and 84
April 18, 1994 (2:15)
8:45 Prince Albert, Canada
Comparison of radar and optical observations
April 13, 1994 (2:10)
11:10 Shuttle Orbit Computer Animation
(orbits 6-1 2)
For Launch Press Conference
April 9, 1994 (2:40)
13:45 STS-59 Launch (1:55)
16:00 Supersites
For Prelaunch Press Conference
March 29, 1994 (1:50)
17:55 Shuttle Orbit Computer Animation
For Prelaunch Press Conference
March 29, 1994 (1:20)
Audience:
Client: Mona Jasnow, Org. 7700

Master: BCAMs Submaster: 1"C
Audio 1: Silent 2: Silent
04/18/1994 - 0:19:21 Producer: De Jong/Savona

AVC-1994-148-1/1 **SIR-C/X-SAR/STS-59 4/20/94 Landing and Replays**
9:00 STS-59 Landing at Dryden Space Flight Center
19:00 STS-59 Landing Replays
Audience: Gen. Site: JPL
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/20/1994 - 0:28:00 Producer: Borst

AVC-1994-150-1/1 **STS-51 Mission Highlights Resources Tape**
September 12 - 22, 1993; Discovery
(ACTS) (ORFEUS-SPAS) (LDCE) (CHROMEX-4) (RME-III) (AMOS) (APE-B) (CPCG) (HRSGS-A) (IPMP)
CREW: Frank Culbertson, Commander; William Readdy, Pilot; Jim Newman, Mission Spec. 1; Dan Bursch, Mission Spec. 2; Carl Walz, Mission Specialist 3
Audience: Gen. Site: JSC
Client: , Org. NASA
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/01/1994 - 0:46:00 Producer: JSC

AVC-1994-153-1/1 **SIR-C/X-SAR Radar Swath over Rwanda and Gorilla activity in same area**

1. SIR-C/X-SAR radar data of Central Africa. The large lake is Lake Kivy near the border of Zaire and Rwanda. The radar swath continues over the country of Rwanda and a chain of volcano shown is Mount Muhavura. The video ends over Uganda.
2. The following b-roll video is provided by the Diane Fossey Gorilla Fund. It was shot in 1991 near the Fund's research facility in Karisoke, Rwanda.
Audience: Site: various
Client: Mary Hardin, Org. 181
Master: 1"C Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
05/05/1994 - 0:09:00 Producer: Semerano

AVC-1994-155-1/1 **The Night Sky - Annular Eclipse Special Edition - Program 20**
Live coverage of the May 10, 1994 annular eclipse of the Sun by the Moon. David Seidel hosted the show from Wausean, Ohio, 12:30 - 1:30 p.m. EDT.
Audience: Gen. Edu. Site: Wausean, OH

Client: NASA TV, Org. NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
05/10/1994 - 1:00:00 Producer: Stealey

AVC-1994-156-1/2 **STS-59 Astronaut Presentation & SIR-C Mission Experience**
VTV-473 The crew of the STS-59 Mission talk about their experience aboard the shuttle. Dr. Charles Elachi, Assistant Lab Director introduces the crew and presents them with awards. Crew members present; Sidney Gutierrez, Kevin Chilton, Linda Godwin, Jay Apt & Richard Clifford.
Audience: Gen. Site: 186-AUD
Client: Mona Jasnow, Org. 326
Master: 1"C
Audio 1: Mono mix 2: Mono mix
TRT 1:40:00
05/06/1994 - 1:33:00 Producer: Semerano

AVC-1994-156-2/2 **STS-59 Astronaut Presentation & SIR-C Mission Experience**
VTV-473 The crew of the STS-59 Mission talk about their experience aboard the shuttle. Dr. Charles Elachi, Assistant Lab Director introduces the crew and presents them with awards. Crew members present; Sidney Gutierrez, Kevin Chilton, Linda Godwin, Jay Apt & Richard Clifford.
Audience: Gen. Site: 186-AUD
Client: Mona Jasnow, Org. 326
Master: 1"C
Audio 1: Mono mix 2: Mono mix
TRT 1:40:00
05/06/1994 - 0:07:00 Producer: Semerano

AVC-1994-157-1/1 **STS-59 Post Flight Presentation**
Review of the STS-59 Shuttle flight with the SIR-C/X-SAR experiment on board. The astronauts showed images and shared their experiences with a JSC audience in Teague Auditorium at JSC.
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 7700
Master: M-II
Audio 1: Mono mix 2: Mono mix
05/10/1994 - 1:10:00 Producer: JSC/NASA

AVC-1994-158-1/1 **Shoemaker-Levy 9 Comet Impact with Jupiter Animation Collection**
2:40 - "A Viewer's Guide to the Shoemaker-Levy 9 Comet Impact with Jupiter"
(JPL) Computer animation simulates two views of the

Shoemaker-Levy 9 comet impact with Jupiter. First the view from Earth on July 16, 1994. Next we see the view from the Galileo spacecraft. Symbols are used to represent the comet and its point of entry based on predictions dated April 23, 1994. The time scale has been sped up so that eighty minutes of Jupiter's rotation takes one second. The speed of the comet has been slowed down by a factor of five compared with Jupiter's rotation.
0:42 - "Animation of Impact of First Six Nuclei"
(Space Telescope Science Institute)
0:53 - "Animation of Comet Collision with Jupiter from Io's Point of View"
(Lowell Observatory)
1:07 - "Impact of Comet and Changes it Undergoes when Striking Jupiter's Surface"
(University of Chicago and Ames Research Center)
0:40 - "Response of Jupiter's Atmosphere to Comet" (MIT)
Audience: Resource
Client: PIO, Org. 182
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
05/18/1994 - 0:14:00 Producer: various

AVC-1994-159-1/2
VTV-475

Comet Shoemaker-Levy 9: Discovery and Future
The circumstances surrounding the discovery of comet Shoemaker-Levy 9. David Levy, co-discoverer of the comet, gives his presentation in von Kármán Auditorium using slides and viewgraphs. He is introduced by Galileo Project Manager, William O'Neil. Following David Levy's talk is a short presentation by Galileo Project Scientist, Dr. Torrence Johnson, who shows AVC-94-158 to the audience; an animation produced by the Dial Lab. At the end of the talk, questions from the audience are answered by both David Levy and Dr. Johnson.
Audience: Gen. Site: von Kármán
Client: Maynard Hine, Org. 2300
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:39:00
05/17/1994 - 1:33:00 Producer: Semerano

AVC-1994-159-2/2
VTV-475

Comet Shoemaker-Levy 9: Discovery and Future
PART 2
Audience: Gen. Site: von Kármán
Client: Maynard Hine, Org. 2300
Master: M-II Submaster: BCAMsp

Audio 1: Mono mix 2: Mono mix
TRT 1:39:00
05/17/1994 - 0:06:00 Producer: Semerano

AVC-1994-160-1/1 **Shoemaker-Levy-9 NASA News Briefing**
Discussion of plans by NASA for the impending mid-July impact of the Shoemaker-Levy-9 ("string of pearls") Comet with Jupiter.
Participants: Dr. Eugene Shoemaker, U.S. Geological Survey; Dr. Heidi Hammel, Massachusetts Institute of Technology; Dr. Lucy McFadden, University of Maryland; and Dr. Harold Weaver and Dr. Melissa McGratha, Space Telescope Science Institute.
Q&A at end.
Animations use in program at end.
Audience: News Site: NASA Hq.
Client: PIO, Org. 182
Master: M-II
Audio 1: Mono mix 2: Mono mix
05/18/1994 - 1:34:00 Producer: NASA TV

AVC-1994-161-1/1 **Supernova, Past and Present**
Space Astronomy Update hosted by Steve Maran. Guests Ann Kinney - Space Telescope Science Institute
Ghris Burrows - STSI
Robert Kirshner - Harvard Univ.
Roundtable discussion about various Supernovae including 1887-A and 1994-I. Short animation of supernova imaging data included.
Downlinked from NASA Select TV.
Audience: NASA Resource Site: Washington
Client:
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/19/1994 - 0:42:33 Producer: NASA HQ

AVC-1994-164-1/1 **Out of the Darkness - Mission to Pluto**
VTV-509 This video production uses computer animation to illustrate JPL's development of a twin spacecraft mission to explore Pluto and its moon Charon. It includes interviews with key pre-project members and the discoverer of Pluto, Clyde Tombaugh.
Audience: Gen. Site: JPL
Client: Stephen Brewster, Org. 311
Master: 1"C
Audio 1: Mono mix 2: Mono mix

05/26/1994 - 0:06:37 Producer: Savona

AVC-1994-166-1/1 **Supermassive Black Holes: The Smoking Gun**
"Space Astronomy Update"
News conference from NASA Hq. concerning the positive evidence of a black hole in the Galaxy M87. Q&A at end.
Note: B-roll footage at beginning.
Audience: News Site: NASA HQ
Client: S. Bridges, Org. 182
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/27/1994 - 1:15:57 Producer: NASA TV

AVC-1994-167-1/1 **A Lunar Day at the South Pole**
Animation sequence shows the passing of a lunar day at the south pole of the Moon. The video displays red filter images taken on successive orbits by the Clementine spacecraft's ultraviolet/visible camera. The top half of the frame faces towards Earth.
Audience: Gen.
Client: SSV/Clementine, Org. SSV
Master: BCAMsp
Audio 1: Silent 2: Silent
05/26/1994 - 0:02:14 Producer: E. De Jong

AVC-1994-169-1/1 **Pluto/Charon Computer Animation Resource Footage**
1. Spacecraft Instruments animation - 0:20
2. Main Title animation - 0:27
3. Atmosphere Rising up from the Surface and Freezing onto the Surface animation - 0:25
4. Spacecrafts passing Pluto and Charon animation - 0:15
5. Pluto/Charon are compared to United States followed by a fly-thru of the outer planets animation - 0:56
6. Spacecraft Trajectory animation - 0:09
7. Pluto/Charon with spacecraft animation - 0:06
8. Pluto's Orbital Path animation - 0:07
Audience: Resource Site: JPL
Client: Stephen Brewster, Org. 311
Master: BCAMsp
Audio 1: Silent 2: Silent
06/02/1994 - 0:07:20 Producer: Savona

AVC-1994-173-1/1 **Telemanipulation with Exoskeleton Telepresence**
Status report on a robotic arm which resembles and mimics

the action of a human arm and hand. The device functions through sensors attached to a specially outfitted glove the operator wears, allowing the mechanical arm to perform tasks with ordinary tools.
Audience: Tech. Site: Bldg. 198
Client: Dr. Bejczy, Org. 347
Master: 1"C
Audio 1: Narration 2: Effects
06/17/1994 - 0:04:30 Producer: Semerano

AVC-1994-176-1/1 **Ulysses: Exploring the Sun's Southern Pole**
An edited video production illustrating ESA and NASA's Ulysses spacecraft's exploration of the sun's southern pole. Production uses computer animation and an interview with Dr. Ed Smith, Project Scientist for NASA to describe the mission objectives. This is a press release.
Audience: Gen. Site: JPL
Client: Ed Massey & PIO, Org. 280
Master: 1"C Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
06/22/1994 - 0:06:01 Producer: Savona

AVC-1994-177-1/1 **From the Arroyo to Deep Space: The First 50 Years of JPL**
VTV-489
Visual history of JPL from it's beginning in the Arroyo Seco testing rockets, to Voyager and beyond. The history of JPL is told by the laboratory directors of that time, Dr. Pickering,
Dr. Murray, Dr. Allen and Dr. Stone each tell the story of the lab during their directorships.
Audience: Gen.
Client: George Alexander, Org. 1800
Master: 1"C Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/27/1994 - 0:33:24 Producer: John R. Stealey

AVC-1994-181-1/1 **Global Sea Level Changes**
--The First Year of Topex/Poseidon Observations--
09/23/92 to 09/27/93 (repeated two times)
Comparison between the Topex/Poseidon observations and a numerical ocean model (repeated 3 times).
By Lee-Lueng Fu, Yi Chao, and Denis Leconte
Audience: Tech.
Client: Leconte/PIO, Org. 3237
Master: BCAMsp Submaster: BCAMsp
Audio 1: None 2: None
06/24/1994 - 0:05:45 Producer: Leconte

AVC-1994-182-1/1 **The Project Design Center - "Paving the Spaceways of the Future"**
This edited production shows how the Project Design Center(PDC) and newly developed software will be used to efficiently design spacecraft and their mission objectives. Produced to be made available for the PDC's dedication and JPL's Open House.
Audience: Gen. Site: JPL
Client: E. Kane Casani, Org. 203
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/30/1994 - 0:04:15 Producer: Semerano/Savona

AVC-1994-183-1/1 **Aeronautics & Space Report #267 - Comet Impacts Jupiter**
Pre-impact report on the comet Shoemaker-Levy 9 impact with Jupiter. Gives the story of it's discovery and the observations that will be performed. Includes interviews and animation.
Spot, 1:40; Feature, 6:14; B-roll, 4:51.
Audience: Gen.
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Full mix 2: Nat. Sound
06/24/1994 - 0:12:45 Producer: NASA

AVC-1994-184-1/1 **SIR-C/X-SAR FIRST AND SECOND FLIGHT RESULTS**
VTV-533
Narrated overviews of data returned by SIR-C/X-SAR which flew on STS-59 & STS-68. Included in the production are a combination of both stills and flyover movies based on the spaceborne imaging radars plus special maps that were produced from the science returned by the missions.
Audience: Gen. Site: JPL
Client: Mona Jasnow
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/14/1995 - 0:07:41 Producer: SEMERANO/SAVONA

AVC-1994-186-1/1 **Comet Shoemaker-Levy 9: Countdown to Impact**
VTV-486
A talk on the science that is expected to be returned from the instruments trained on Jupiter as the Comet Shoemaker-Levy prepares to impact its surface. Speakers include Dr. Donald Yeomans, Robert Mitchell and Dr. John Trauger.
Audience: Gen. Site: Auditorium
Client: Dr. Chahine
Master: 1"C

Audio 1: Mono mix 2: Mono mix
07/11/1994 - 1:27:00 Producer: Semerano

AVC-1994-188-1/1 **Flight System Testbed - July 1994 Update**
This updated production explains how the Flight System Testbed has been involved in the development of the Mars/Pathfinder mission, and how the Testbed has been evaluating new flight hardware and software.
Audience: Site: FSTB/179
Client: Nick Thomas
Master: BCAMsp Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/15/1994 - 0:06:05 Producer: Stealey

AVC-1994-189-1/1 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #1 - 4:30pm PDT**
From Space Telescope Science Institute (STScI)
Presenters: Eugene and Carolyn Shoemaker, and David Levy, co-discoverers of the comet.
They discussed the discovery and early observations of the comet's impact with Jupiter.
Audience: News Site: STScI, MD
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/16/1994 - 1:01:00 Producer: NASA TV/STScI

AVC-1994-190-1/1 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #2 - 7:00pm PDT**
From Space Telescope Science Institute (STScI)
Presenters: Heidi Hammel, Hal Weaver, Keith Noll, John Clarke, Robert West, Melisa McGrath.
They discussed early observations of the comet's impact with Jupiter.
Audience: News Site: STScI, MD
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/16/1994 - 0:45:10 Producer: NASA TV/STScI

AVC-1994-191-1/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #3 - 7:00am PDT**
From Space Telescope Science Institute (STScI)
Presenters: Eugene and Carolyn Shoemaker, David Levy, and Heidi Hammel.
They discussed early observations of the comet's impact with Jupiter.
TRT 1:21:00
Audience: News Site: STScI, MD

Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/17/1994 - 1:03:00 Producer: NASA TV/STScI

AVC-1994-191-2/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #3 - 7:00am PDT**
PART 2, TRT 1:21:00
Audience: News Site: STScI, MD
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/17/1994 - 0:18:34 Producer: NASA TV/STScI

AVC-1994-192-1/1 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #4 - 5:00am PDT**
From Goddard Space Flight Center
Presenters: Eugene Shoemaker, John Clark, Lucy McFadden.
They discussed observations of the comet's impact with Jupiter.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/18/1994 - 0:50:00 Producer: NASA TV

AVC-1994-193-1/1 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #5 - 1:00pm PDT**
From Goddard Space Flight Center
Presenters: Heidi Hammmel and Eugene Shoemaker.
They gave an update on the observations made by the Hubble Space Telescope of the comet's impact with Jupiter.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/18/1994 - 0:47:48 Producer: NASA TV/Goddard

AVC-1994-194-1/1 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #6 - 5:00am PDT**
From Goddard Space Flight Center
Presenters: Keith Noll, Steve Maran, Lucy McFadden.
They gave an update on the observations made by the Hubble Space Telescope of the comet's impact with Jupiter.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/19/1994 - 1:00:00 Producer: NASA TV/Goddard

AVC-1994-195-1/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #7 - 9:00am PDT**
From Goddard Space Flight Center
Presenters: Roger Yelle, Renee Prange, Steve Maran, Lucy McFadden and David Levy.
They gave an update on observations of the comet's impact with Jupiter made by the Hubble Space Telescope, ground based telescopes and Galileo.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:10:00
07/20/1994 - 1:01:00 Producer: NASA TV/Goddard

AVC-1994-195-2/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #7 - 9:00am PDT**
From Goddard Space Flight Center
Presenters: Roger Yelle, Renee Prange, Steve Maran, Lucy McFadden and David Levy.
They gave an update on observations of the comet's impact with Jupiter made by the Hubble Space Telescope, ground based telescopes and Galileo.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:10:00
07/20/1994 - 0:10:00 Producer: NASA TV/Goddard

AVC-1994-197-1/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #8 - 5:00am PDT**
From Goddard Space Flight Center
Presenters: Hal Weaver, Rita Beebe, Eugene Shoemaker, Lucy McFadden and David Levy.
They gave an update on observations of the comet's impact with Jupiter made by the Hubble Space Telescope, ground based telescopes and Galileo.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:10:00
07/21/1994 - 1:01:00 Producer: NASA TV/Goddard

AVC-1994-197-2/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #8 - 5:00am PDT**
From Goddard Space Flight Center
Presenters: Hal Weaver, Rita Beebe, Eugene Shoemaker, Lucy McFadden and David Levy.

They gave an update on observations of the comet's impact with Jupiter made by the Hubble Space Telescope, ground based telescopes and Galileo.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:10:00
07/21/1994 - 0:10:00 Producer: NASA TV/Goddard

AVC-1994-199-1/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #9 - 11:00am PDT**

From Goddard Space Flight Center
Presenters: Robert West, Andrew Ingersoll, Eugene Shoemaker, Lucy McFadden and David Levy.
They gave an update on observations of the comet's impact with Jupiter made by the Hubble Space Telescope, ground based telescopes and Galileo.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:30:00
07/22/1994 - 1:00:00 Producer: NASA TV/Goddard

AVC-1994-199-2/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #9 - 11:00am PDT**

From Goddard Space Flight Center
Presenters: Robert West, Andrew Ingersoll, Eugene Shoemaker, Lucy McFadden and David Levy.
They gave an update on observations of the comet's impact with Jupiter made by the Hubble Space Telescope, ground based telescopes and Galileo.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:30:00
07/22/1994 - 0:30:00 Producer: NASA TV/Goddard

AVC-1994-200-1/1 **Mars Global Mosaic**
This production uses new Global Mars Image and Terrain Base from the U.S. Geological Survey to create an animation flyover of Mars. The animation was rendered on JPL/CIT supercomputers using JPL's new remote, interactive science data visualization and analysis tools.

Audience: Gen. Site: JPL
Client: Dave Curkendall, Org. 825
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
Copyrighted Music - Do Not Duplicate
07/25/1994 - 0:04:00 Producer: Savona

AVC-1994-201-1/1 **Special Compilation of SIR-C Images for JPL's Open House**
1. AVC-94-184 Results of First Flight of SIR-C
2. AVC-94-144 SIR-C Animation Collection
3. AVC-94-125 "Perspectives of Builders" from A Brief Visual History of SIR-C
Audience: Gen.
Client: Mona Jasnow
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
07/13/1994 - 0:31:00 Producer: Semerano

AVC-1994-202-1/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #10 - 8:00am PDT**

From Goddard Space Flight Center
Presenters: Heidi Hammel, Melisa McGrath ,Eugene Shoemaker, Carolyn Shoemaker, Lucy McFadden and David Levy. They gave an update on observations of the comet's impact with Jupiter made by the HST, Galileo and ground based telescopes.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:20:50
07/23/1994 - 1:00:00 Producer: NASA TV/Goddard

AVC-1994-202-2/2 **Comet Shoemaker-Levy 9 Post Impact Media Briefing #10 - 8:00am PDT**

From Goddard Space Flight Center
Presenters: Heidi Hammel, Melisa McGrath ,Eugene Shoemaker, Carolyn Shoemaker, Lucy McFadden and David Levy. They gave an update on observations of the comet's impact with Jupiter made by the HST, Galileo and ground based telescopes.
Audience: News Site: Goddard
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:20:50
07/23/1994 - 0:20:50 Producer: NASA TV/Goddard

AVC-1994-204-1/1 **STS-68 L-14 Press Conference**
VTV-488 SIR-C/X-SAR (SRL Component Briefings) of STS-68 L-14 Press Conference
Speakers: Dr. Diane Evans, SIR-C Project Scientist Dr. Wolfgang Keydel, X-SAR Results Professor Giorgio Franceschetti, Interferometry. Broadcast on NASA Select from von Kármán Auditorium.
Audience: Tech. Site: von Kármán
Client: Mona Jasnow, Org. 3235
Master: M-II Submaster: 1"C
Audio 1: Mono mix 2: Mono mix
07/28/1994 - 1:12:00 Producer: Savona

AVC-1994-209-1/2 **STS-61 Mission Highlights Resource Tape**
Hubble Space Telescope (HST) servicing mission by the Space Shuttle Endeavour. The mission replaced the Wide Field/Planetary Camera and other instruments.
TRT 2:01:00
Audience: Resource Site: JSC
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix VJSC1395
08/05/1994 - 1:00:00 Producer: JSC

AVC-1994-209-2/2 **STS-61 Mission Highlights Resource Tape**
Part 2
Audience: Resource Site: JSC
Client: Johnson Space Center
Master: 3/4"
Audio 1: Mono mix 2: Mono mix VJSC1395
08/05/1994 - 1:01:00 Producer: JSC

AVC-1994-210-1/2 **The Mars Pathfinder Approach Educational and Public Outreach**
VTV-493 Three Camera Videotaping in von Kármán, Dr. Cheick Diarra Introduces the Mars Pathfinder Educational outreach effort. Jim Tillman, Dr. Meredith Olsen, and Dr. Robert Kolvoord each explain their individual approaches to teaching.
Audience: Gen. Site: 186-AUD
Client: Dr. Cheick Diarra, Org. 2100
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/09/1994 - 1:00:00 Producer: Stealey

AVC-1994-210-2/2 **The Mars Pathfinder Approach Educational and Public Outreach**
VTV-493 Part 2 of 2 Total Running Time 2 hours

Audience: Gen. Site: 186-AUD
Client: Dr. Cheick Diarra, Org. 2100
Master: 1"C
Audio 1: Mono mix 2: Mono mix
TRT 2 Hours
08/09/1994 - 1:00:00 Producer: Stealey

AVC-1994-211-1/1 **Remote Surface Inspection - Force Control for Eddy-Current Sensor**
In this telerobotic demonstration an eddy-current sensor, attached to a robotic arm, is used to detect a small crack on a space platform mockup. Includes a short interview with Dr. Seraji on using force control.
Audience: Tech. Site: JPL
Client: Bob Balaram, Org. 345
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/10/1994 - 0:03:58 Producer: Savona

AVC-1994-215-1/3 **Pluto Fast Flyby Pre-Project Educators Conference**
A discussion for educators moderated by Jackie Giuliano, Education Outreach Coordinator, to elicit new ideas for instructing students about space exploration in general and the Pluto Fast Flyby mission in particular. With Robert Staehle and Richard Shope
Audience:
Client: Jackie Giiuliano
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/14/1994 - 1:19:00 Producer: Semerano

AVC-1994-215-2/3 **Pluto Fast Flyby Pre-Project Educators Conference**
A discussion for educators moderated by Jackie Giuliano, Education Outreach Coordinator, to elicit new ideas for instructing students about space exploration in general and the Pluto Fast Flyby mission in particular. With Robert Staehle and Richard Shope
Audience:
Client: Jackie Giiuliano
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/14/1994 - 1:30:00 Producer: Semerano

AVC-1994-215-3/3 **Pluto Fast Flyby Pre-Project Educators Conference**
A discussion for educators moderated by Jackie Giuliano, Education Outreach Coordinator, to elicit new ideas for instructing students about space exploration in general

and the Pluto Fast Flyby mission in particular. With Robert Staehle and Richard Shope
Audience:
Client: Jackie Giiuliano
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/14/1994 - 0:33:00 Producer: Semerano

AVC-1994-216-1/1 **HAZBOT III-Emergency Response Robotic Vehicle**
An update on the Hazardous Materials Robot III incorporating an advanced operator control station. Included in the production is a simulation of the Robot responding to a toxic chemical spill.
Audience: Tech. Site: JPL
Client: Dr. Richard Welch
Master: 1"C Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
08/16/1994 - 0:05:38 Producer: Semerano

AVC-1994-217-1/1 **SIR-C Prep for Flt. 2 1994**
Documentation of SIR-C Antenna activity at KSC prior to its second flight aboard the Shuttle. Dub from original Hi8 shot by Bob Ferber June 28, 1994.
Audience: Resource
Client: Mona Jasnow
Master: VHS
Audio 1: Mono mix 2: Mono mix
08/16/1994 - 0:42:00

AVC-1994-218-1/1 **Mars Landing Site Talk Given during JPL's Open House**
A presentation by Dr. Matt Golombek given in the mall to guests and employees of the lab. Dr. Golombek uses visuals to describe the landing site chosen by Pathfinder project scientists and engineers to serve as the touchdown spot for the first Mars Rover.
Audience: Gen. Site: JPL Mall
Client: Kris Nordin-Cullen
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/18/1994 - 0:05:43 Producer: Semerano

AVC-1994-219-1/1 **Gorilla Habitat Briefing**
Discussing data from SIR-C mission.
Audience: Gen.
Client: Mary Hardin, Org. 181
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
08/18/1994 - 0:24:00 Producer: NASA/KSC

AVC-1994-220-1/1 **Venus Balloon Test**
An update on technologies that may be used in future attempts to explore Venus with instrumented balloons.
Audience: NASA
Client: Kerry Nock
Master: 1"C
Audio 1: Narration 2: Music
08/22/1994 - 0:11:45 Producer: Semerano

AVC-1994-225-1/1 **P.O.S.S.E Pilot Master for Transfer to Laser Disk**
VTV-494 A series of end-to-end productions plus stills designed for use in a proposed speaker's video support system. Narrated productions include: 1) The Moon 2) Sample Return 3) Remote Sensing
4) Benefits of Space Exploration 5) Future Missions 6) Comets & Asteroids 7) Mars Exploration.
Length of video refers to narrated productions only. Separate narration and music tracks for the first five productions can be found on the duplicate master, AVC-94-023. Comets & Asteroids is mastered on AVC-94-088.
Mars Exploration is mastered on AVC-94-099.
Audience: Gen.
Client: Alexander/Neuhauser, Org. 1800
Master: 1"C
Audio 1: Stereo 2: Stereo
08/27/1994 - 0:25:20 Producer: Semerano

AVC-1994-226-1/1 **Exoskeleton Handles EVA Astronaut Tools**
A production showing a robotic four-finger human like hand manipulating Astronaut tools that could not otherwise be worked by currently existing robotic devices.
Audience: Tech. Site: JPL
Client: Dr. Bejczy
Master: 1"C Submaster: BCAMsp
Audio 1: Music 2: Narration
08/27/1994 - 0:05:30 Producer: Semerano

AVC-1994-228-1/1 **Robot Assisted Microsurgery**
Robot Assisted Microsurgery project accomplishments for fiscal year 1994 - demonstration of robot joint motion, cartesian control and precise tip control.
Audience: Tech. Site: JPL
Client: Hari Das

Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/01/1994 - 0:04:55 Producer: Semerano

AVC-1994-229-1/1 **Mars Pathfinder B-Roll**
Animation showing deployment of Mars Pathfinder, photo showing landing site, artist renditions depicting arrival of Mars Pathfinder concluding with Rocky IV.
Audience: Resource
Client: Ed McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/06/1994 - 0:09:03 Producer: Semerano

AVC-1994-232-1/2 **STS-68 AUGUST 18 ABORTED LAUNCH COMPILATION TAPE**
August 17th L-1 News Conference
Panelists: Brewster Shaw-Space Shuttle Program Dir., Dr. Charles Kennel-Assoc. Admin. Mission to Planet Earth, Prof. Heintz Stoewer-DARA Managing Dir., Prof. Mario Galamia-ASI General Dir.,
Robert B. Sieck-KSC Launch Dir., Capt. Jeff Lorens-USAF/KSC Staff Meteorologist
Animations at 13:15, Countdown to Launch and Replays at 15:30
Audience: Gen. Site: KSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/13/1994 - 1:36:00 Producer: Cory Borst

AVC-1994-232-2/2 **STS-68 AUGUST 18 ABORTED LAUNCH COMPILATION TAPE**
August 17th L-1 News Conference
Panelists: Robert Sieck-JKSC Launch Dir., Boyce Mix-Dep. MGR. Shuttle Engine, Michael Baker-STS-68 Commander, Loren Shriver-MGR. Launch Integration.
Audience: Gen. Site: KSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/13/1994 - 0:54:00 Producer: Cory Borst

AVC-1994-233-1/1 **STS-59 Mission Highlights Resource Tape**
Resource tape of Shuttle STS-59 and the SIR-C/X-SAR payload. 4/9/94 to 4/19/94.
(VJSC1418) Shot list with tape.
Audience: Resource

Client: Mona Jasnow
Master: 3/4"
Audio 1: Mono mix 2: Mono mix VJSC1418
08/01/1994 - 0:59:30 Producer: JSC

AVC-1994-234-1/1 **Science as a Driver for the Nation's Space Program**
VTV-499 Three camera videotaping in von Kármán Auditorium.
Dr. France Cordova, NASA's Chief Scientist discusses her views of the role of science and technology in space, and how it benefits the nation as a whole.
Audience: Gen. Site: vKA
Client: Kathleen Mallis, Org. 100
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/15/1994 - 1:15:16 Producer: Stealey

AVC-1994-235-1/1 **Collection of 18 JPL Video Productions**
18 Video Productions of Various Topics:
L.A. the Movie, Miranda the Movie, Earth the Movie, Mars the Movie, Monterey the Bay, The Moon, Sample Return Mission, Remote Sensing of the Earth, Benefits and Spinoffs of Space Exploration,
Future Missions, Comets and Asteroids, Mars Exploration, Voyager Journey to the Outer Planets, Venus-Artemis, Galileo Earth Rotation Movie, Global Ozone, Gaspra Topography.
Audience: Resource
Client: George Alexander, Org. 180
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/15/1994 - 0:58:30

AVC-1994-236-1/2 **STS-59 Special Events Resource Tape**
Resource tape of Shuttle STS-59 and the SIR-C/X-SAR payload.
4/9/94 to 4/19/94.
Mainly in-orbit interviews by news media.
(VJSC1417) Shot list with tape.
TRT 1:43:00
Audience: Resource
Client: Mona Jasnow
Master: 3/4"
Audio 1: Mono mix 2: Mono mix VJSC1417
06/14/1994 - 0:57:14 Producer: JSC

AVC-1994-236-2/2 **STS-59 Special Events Resource Tape**
Part 2
Audience: Resource

Client: Mona Jasnow
Master: 3/4"
Audio 1: Mono mix 2: Mono mix VJSC1417
06/14/1994 - 0:57:45 Producer: JSC

AVC-1994-240-1/1 **Magellan - The Last Chapter**
VTV-502 Magellan Project Manager, Douglas G. Griffith discusses the "Last Chapter" of the Magellan mission and the activities of the final two months and recent spacecraft management challenges. A three-camera videotaping in von Kármán Auditorium.
Audience: JPL Site: JPL
Client: Anita Sohus
Master: 1"C
Audio 1: Mono mix 2: Mono mix
09/22/1994 - 0:46:00 Producer: Savona

AVC-1994-241-1/1 **TOPEX/POSEIDON El Nino Animations from the Naval Research Laboratory**

Five separate animations showing variations in both global and North-Pacific ocean surface height and surface temperatures over a period of years. 1. A model of sea surface height of the world's oceans using wind data. The model runs from 1981 to 1993. The 1982-83 El Nino event is shown along the equatorial Pacific ocean in red. The Rossby wave moves westward over the Northwest Pacific.
2. Another model includes the same data as before, but is zoomed in on the Northwest Pacific. The Rossby wave is much easier to identify.
3. A different model of sea surface temperature over the global ocean. It uses data from the National Oceanographic and Atmospheric Administration's Advanced Very High Resolution Radiometer satellite. El Nino is shown along the equatorial Pacific in red.
4. A model using the same data but is zoomed in on the Northwest Pacific.
5. The final animation is a combination of sea surface height and sea surface temperature data. The three dimensional wire mesh represents variations in sea surface height. The colors represent sea surface temperature.
Audience: News
Client: Mary Hardin
Master: 1"C Submaster: BCAMsp
Audio 1: Silent 2: Silent
09/23/1994 - 0:03:44 Producer: Semerano

AVC-1994-242-1/1 **Telerobotics Accomplishments for 1994**
1. Remote Surface Inspection 2. Hazbot III
3. Exoskeleton 4. Distributed Space Telerobotics 5. Ground Control Station for DOSS
6. Robot Assisted Microsurgery
7. Satellite Test Assistant Robot.
Audience: Tech.
Client: Samad Hayati
Master: Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/27/1994 - 0:38:00 Producer: Semerano/Savona

AVC-1995-002-1/1 **STS-68 Shuttle Launch, Replays & Post Launch Press Briefing**
29:00 min. Launch Coverage & Replays
1:00 min Sir-C Animation
17:00 min Post Launch Press Briefing with
Loren Shriver Man. of Launch Integration &
Al Sofge KSC Assist. Launch Director
17:00 min Engineering Replays
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 3260
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/30/1994 - 1:02:00 Producer: Borst

AVC-1995-003-1/1 **STS-68 9/30/94 Mission Update & Mission Highlights**
21:23 Mission Update with Rob Navias. Guest;
Mike Sander SIR-C Project Manager.
32:24 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/30/1994 - 0:54:00 Producer: Borst

AVC-1995-004-1/1 **SRL-1 Science Results & STS-68 L-1 Pre-Launch Press Briefing**
18:50 SRL-1 Science Results with Diane Evans SIR-C Project Scientist & Derrold Holcomb EROAS Inc.
52:21 STS-68 L-1 Pre-Launch Press Briefing with Brewster Shaw Director Space Shuttle Operations; William Townsend Dep. Assoc. Admin. Mission to Planet Earth;
Herwig Oettl X-SAR Mission Manager, DARA;
Mario Calamia ASI General Director;
Robert Sieck KSC Launch Director &
Capt. Jeff Loren USAF KSC Staff Meteorologist.
Audience: Gen. Site: JSC

Client: Mona Jasnow, Org. 770
Master: sVHS
Audio 1: Mono mix 2: Mono mix
09/29/1994 - 1:11:30 Producer: Borst

AVC-1995-005-1/1 **SIR-C/X-SAR STS-68 10/1/94 Flight Day 2 Mission Update & Highlights**
16:30 Mission Update with Rob Navius
Guest; Dr. Miriam Baltuck NASA Project Scientist
27:20 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/01/1994 - 0:43:50 Producer: Borst

AVC-1995-006-1/1 **SIR-C/X-SAR/STS-68 10/2/94 Mission Update & Mission Highlights**
14:50 Mission Update with Rob Navias
Guest; Dr. Vickie Conners MAPS Project Scientist
45:10 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/02/1994 - 0:59:00 Producer: Borst

AVC-1995-007-1/1 **SIR-C/X-SAR STS-68 10/3/94 Mission Update Briefings & Highlights**
17:00 Mission Update with Rob Navias
Guest; Dr. Jobea Way-SIR-C Ecology Exp. Scientist
7:31 STS-68 Status Briefing with
Rich Jackson STS-68 Flight Director.
18:00 SRL-2 Science Briefing with
Dr. Diane Evans SIR-C Project Scientist
Jeff Plaut SIR-C Geology Experiment Representative Dr.
Herwig Oettl DARA Mission Scientist Manager.
39:45 STS-68 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/03/1994 - 1:22:20 Producer: Borst

AVC-1995-008-1/1 **Desert**
An edited production showing high speed image rendering using parallel super computers. This animated flyover of Southern California and Nevada is based on LANDSAT Satellite imagery.

Audience: Gen. Site: JPL
Client: Will Duquette, Org. 395
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/04/1994 - 0:03:54 Producer: Savona

AVC-1995-009-1/1 **SIR-C/X-SAR Computer Animation Press Release of Mount Rainier Volcano**

A simulated flight over Mount Rainier Volcano, Washington.
Composite of L & C band radar observations.
Audience: Gen. Site: JPL
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
10/05/1994 - 0:01:34 Producer: Savona

AVC-1995-011-1/1 **SIR-C/XSAR STS-68 10/4/94 Mission Update, Briefings & Highlights**

14:25 Mission Update with Rob Navias
Guest; Robert Beal - Johns Hopkins University
17:00 Mission Status & SRL Briefing
Dr. Diane Evans - SIR-C Project Scientist,
& Rich Jackson STS-68 Flight Director
27:41 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jackson, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/04/1994 - 0:58:10 Producer: Borst

AVC-1995-012-1/1 **Magellan Press Release Computer Animation**

A color map of Magellan Gravity data is wrapped onto a globe, tipped forward & 100x topography is added. The final sequence shows an artist's concept of the breakup of the spacecraft as it enters the Venus atmosphere.
Audience: Gen. Site: JPL
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
10/06/1994 - 0:03:30 Producer: Savona

AVC-1995-013-1/1 **Magellan Press Conference**
VTV-505

A three-camera videotaping live-to-NASA Select television covering Magellan's final press conference.
Speakers: Chahine, Huntress, Griffith, Tolson, Saunders.
Audience: Gen. Site: JPL
Client: Mona Jasnow, Org. 904

Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/06/1994 - 1:28:20 Producer: Savona

AVC-1995-014-1/1 **SIR-C/X-SAR STS-68 10/5/94 Mission Update & Mission/SRL Briefing**
17:15 Mission Update with Rob Navias
Guest; Dr. Diane Evans SIR-C Project Scientist
45:00 Mission Status & SRL Briefing
Dr. Ellen Stofan - SIR-C Experiment Scientist
Dr. Christiane Schmullius - X-SAR Project Sci. DLR
Dr. Herwig Oettl - X-SAR Project Scientist DLR
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/05/1994 - 1:02:15 Producer: Borst

AVC-1995-015-1/1 **SIR-C/X-SAR STS-68 10/5/94 Flight Day Highlights**
32:30 Flight Day 6 Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/05/1994 - 0:32:30 Producer: Borst

AVC-1995-016-1/1 **SIR-C/X-SAR Computer Animation Press Release of Mount Pinatubo**
A computer-generated animation from SIR-C showing comparisons of SRL-1 and SRL-2 radar observations of Mount Pinatubo, Philippines.
Audience: Gen. Site: JPL
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
10/07/1994 - 0:02:00 Producer: Savona

AVC-1995-017-1/1 **SIR-C/X-SAR STS-68 10/6/94 Mission Update Briefings & Highlights**
15:00 Mission Update with Marta Durham.
Guest: Dr. Herwig Oettl- X-SAR Science Manager, DARA/DLR
22:29 STS-68 Status Briefing with
Rich Jackson, STS-68 Flight Director and
Dr. Hank Reichle, Maps Project Scientist
40:22 STS-68 Mission Highlights
Audience: NASA Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

10/06/1994 - 1:17:51 Producer: Borst

AVC-1995-018-1/1 **SIR-C/X-SAR Computer Animation of a flight over Mammoth Mountains**

A computer generated animation flight over the Mammoth Mountain area in the Sierra Nevada Mountains in California. A radar image acquired by SIR-C/X-SAR is combined with U.S. Geological Survey digital elevation data to construct a three-dimensional map of the surface.
Audience: Gen. Site: JPL
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
10/09/1994 - 0:01:53 Producer: Savona

AVC-1995-019-1/1 **SIR-C/X-SAR STS-68 10/7/94 Mission Update Briefing and Highlights**
15:00 Mission Update with Marta Durham
Guest; Mike Kobrick- SIR-C Engineer-JPL
23:35 STS-68 Status Briefing with Rich Jackson, STS-68 Flight Director, Dr. Diane Evans, SIR-C Project Scientist, Dr. Jeff Plaut, SIR-C Geology
Experiment Representative and Dr. Herwig Oettl, X-SAR Science Manager, DARA/DLR 39:00 STS-68 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/07/1994 - 1:17:35 Producer: Borst

AVC-1995-020-1/1 **Chapters in Aerospace History Interviews - Dr. Edward Stone**
A taped interview of Dr. Edward Stone, conducted by Dr. Albert Hibbs for the California Museum of Science and Industry's Aerospace Historical Committee. Dr. Stone is Director of JPL since 1991.
Audience: Gen. Resource Site: JPL
Client: Neuhauser/Thomas
Master: 1"C
Audio 1: Mono mix 2: Mono mix
10/03/1994 - 1:00:00 Producer: Savona

AVC-1995-021-1/1 **A Compilation of SIR-C Simulated Flights from 1994 - 1996**
VTV-510
Computer simulated flights over the Rocky Mountains of Montana, East-central California, Mt. Pinatubo, Kliuchevskoi volcano, Changes, Canadian Rockies, and Long Valley (all from 10/10/94); Mammoth Mtns.,(10/09/94); Mt.

Pinatubo(10/07/94); Mt. Rainier volcano(10/05/94);and Mt. Rainier volcano(10/03/94). Animated changes of the radar images acquired by SIR-C / X-SAR instrument during its two flights aboard space shuttle, Endeavour (April and October 1994).
1:48 Isabela, Galapagos Islands, Ecuador; 1:43 Death Valley; 2:32 Fort Zinder, Sahara; 2:19 Prince Albert, Canada, orbits 20 and 84; 2:13 Prince Albert, orbit 20; 3:02 Shuttle Orbit Animation (orbits 6-12); 1:53 STS-59 Launch; 1:52 Supersites; 1:38 Shuttle Orbit Computer Animation.
Audience: Gen. Site: JPL
Client: De Jong/Jasnow
Master: BCAMsp
Audio 1: Silent 2: Silent
05/16/1996 - 0:55:09 Producer: Savona

AVC-1995-022-1/1 **SIR-C/X-SAR STS-68 10/8/94 Mission Update Briefing and Highlights**
11:38 Mission Update with Rob Navias
60:00 STS-68 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/08/1994 - 1:11:38 Producer: Borst

AVC-1995-023-1/1 **SIR-C/X-SAR STS-68 10/9/94 Mission Update Briefing and Highlights**
11:20 Mission Update with Rob Navias
Guest; Mike Sander - SIR-C Project Manager
55:00 STS-68 Mission Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/09/1994 - 1:06:20 Producer: Borst

AVC-1995-024-1/1 **SIR-C/X-SAR STS-68 10/10/94 Mission Update & Status Briefings**
17:14 Mission Update with Rob Navias.
Guest; Steve Wall SIR-C Mission Operations Man.
1:08:50 Status Briefing with
Rich Jackson, STS-68 Flight Director;
Dr. Diane Evans, SIR-C Project Scientist;
Dr. Herwig Oettl, X-SAR Proj. Scientist DARA/DLR; Pro.
Giorgio Franeschetti, University of Naples Italy;
Mike Kobrick SIR-C Engineer;
Dr. Jeffrey Plaut SIR-C Geology Experiment Rep.
Audience: Gen. Site: JSC

Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/10/1994 - 1:28:04 Producer: Borst

AVC-1995-025-1/1 **SIR-C/X-SAR STS-68 10/10/94 Mission Highlights**
17:40 Flight Day Highlights
Audience: Gen. Site: JSC
Client: Mona Jasnow, Org. 770
Master: BCAMs
Audio 1: Mono mix 2: Mono mix
10/10/1994 - 0:17:40 Producer: Borst

AVC-1995-027-1/1 **SIR-C/X-SAR/STS 68 10/11/94 Landing, Replays & Briefings**
16:00 STS-68 Landing at Edwards AFB
13:30 Post Landing Press Briefing at JSC
Rich Jackson - STS-68 Entry Flight Director
Loren Shriver - Manager Launch Integration
34:00 Landing Replays
16:30 Post Landing Crew Briefing at Dryden
Astronauts Mike Baker & Tom Jones
Audience: Gen. Site: JSC & ETS
Client: Mona Jasnow, Org. 770
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/11/1994 - 1:10:00 Producer: Borst

AVC-1995-032-1/1 **Telescopes In Education**
Gil Clark explains the use of the 24 inch telescope on Mount Wilson. The TIE program allows the general public to control the telescope remotely via a modem.
Audience: Gen. Site: POST 186-AUD
Client: Clark, Org. 3000
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/21/1994 - 0:07:45 Producer: Stealey

AVC-1995-033-1/1 **Asteroid Data Collection**
Visualization produced by Cornell University.
Collection of asteroid data from Galileo spacecraft.
1. Visualization model of IDA
2. Four stills of IDA and it's moon
3. Gaspra Topography
4. Gaspra Flyby
Audience: News Site: Edited 186
Client: PIO, Org. 1800

Master: 1"C Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
10/28/1994 - 0:09:50 Producer: Cornell/Stealey

AVC-1995-035-1/1 **Hubble Space Telescope's View of Comet Shoemaker-Levy 9**
First up: The Hubble Space Telescope viewer's guide to Comet Shoemaker-Levy 9 Impact with Jupiter
Second up: HST images of G impact with Jupiter
Audience:
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
10/31/1994 - 0:10:32 Producer: Savona

AVC-1995-036-1/1 **Comet Shoemaker-Levy 9 Collisions with Jupiter**
Comet Collisions with Jupiter - Fragment R - Table Mountain Observatory
Fragment R - IRTF
Fragment C - IRTF
Audience: Tech.
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
10/31/1994 - 0:09:24 Producer: Savona

AVC-1995-037-1/1 **Lightcurves and Orbits for Asteroid 4769 Castalia**
Lightcurves for Asteroid 4769 Castalia
Orbits About Asteroid 4769 Castalia
from November 3, 1994
Radar Images of Asteroid 1989 PB
from August 22, 1989
Audience: Tech.
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
11/03/1994 - 0:14:02 Producer: Savona

AVC-1995-038-1/1 **SIR-C Missions 1 and 2 Highlights**
Excerpts from previous productions about SIR-C Space Radar Laboratory Missions 1 and 2. No narration or text accompanies images.
Audience: Gen.
Client: Dr. Diane Evans, Org. 761
Master: 1"C
Audio 1: Silent 2: Silent
11/08/1994 - 0:04:55 Producer: Semerano

AVC-1995-040-1/1 **A Compilation of Comet Shoemaker-Levy 9 Observations**
VTV-513
Tape includes: AVC-95-035, Hubble Space Telescope's View of Comet Shoemaker-Levy 9;
AVC-95-036, Comet Shoemaker-Levy 9 Collisions with Jupiter;
AVC-95-037, Lightcurves and Orbits for Asteroid 4769 Castalia and Radar images of Asteroid 1989 PB from August 22, 1989
Audience: Resource
Client: Eric De Jong
Master: 1"C
Audio 1: Silent 2: Silent
11/11/1994 - 0:34:03 Producer: Savona

AVC-1995-041-1/1 **STS-68 Post Flight Presentation**
Presentation by the Shuttle astronauts on the SIR-C/X-SAR mission. Crew: Commander Mike Baker;
Pilot Terry Wilcutt, Payload Commander Tom Jones;
Mission Specialist Dan Bursch; Mission Specialist Jeff Wisoff.
Audience: Gen. Site: Teague Aud JSC
Client:
Master: VHS
Audio 1: Mono mix 2: Mono mix JSC 1439
10/01/1994 - 0:46:51 Producer: JSC-Don Pickard

AVC-1995-042-1/1 **SIR-C RADAR AND OPTICAL OBSERVATIONS**
Luzon Island & Mount Pinatubo, Philippines, Comparison of radar and optical observations Radar window version. A simulated flight over the northeastern edge of Long Valley, in the Sierra Nevada Mountain, California.
Audience: Resource
Client: De Jong/Jasnow
Master: BCAMsp
Audio 1: Silent 2: Silent
11/18/1994 - 0:09:20 Producer: Savona

AVC-1995-044-1/1 **STS-68 Astronaut Presentation - SIR-C Mission Experience**
VTV-515
Space Shuttle Endeavour Astronauts recollect their mission highlights through a prepared 16 minute video and 35mm slides. SIR-C Experiment Scientist, Jeff Plaut details the Radar's achievements.
Q & A follows presentation.
Audience: Gen. Site: von Kármán
Client: Mona Jasnow, Org. 3235
Master: 1"C

Audio 1: Mono mix 2: Mono mix
11/18/1994 - 1:30:00 Producer: Savona

AVC-1995-056-1/1 **STS-59 MISSION HIGHLIGHTS RESOURCE TAPE**
Astronauts recount their mission experiences onboard the shuttle and SRL-1. This is a Johnson Space Center production.
Audience: Gen.
Client: Mona Jasnow
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/15/1994 - 0:59:30 Producer: JSC

AVC-1995-057-1/1 **STS-68 POST FLIGHT PRESENTATION**
Astronauts recount there mission experiences onboard the shuttle and SRL-2. This is a Johnson Space Center production.
Audience: Gen.
Client: Mona Jasnow
Master: BCAMs
Audio 1: Mono mix 2:
12/15/1994 - 0:47:00

AVC-1995-058-1/1 **ASAS - All Source Analysis System**
This edited production shows improved performance and reduced size of the ASAS Tactical Operations Center Support Element enclave and concomitant Increased mobility, through migration to the DEC Alpha-AXP Processor. The production uses a Desert Storm scenario to describe the process.
Audience: Tech. Site: JPL
Client: Chuck Miller, Org. 830
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/19/1994 - 0:09:09 Producer: Savona/Semerano

AVC-1995-059-1/1 **Mars Exploration Adventure: A Quick Tour of the RED Planet**
A multi-media production using Mac titles and music along with a laser disk for full motion video and audio. Program debut at the 1994 Los Angeles County Fair.
Audience: Gen. Site: IPC
Client: Alexander, Pender, Org. 180
Master: Submaster: BCAMsp
Audio 1: Stereo L 2: Stereo R
recorded twice on master-second take slightly better
12/20/1994 - 0:09:03 Producer: Shaw Pender

AVC-1995-062-1/1 **TOPEX/Poseidon Computer Animation**
First segment: Measuring Sea Surface Height
Second segment: Sea Surface variability from September 30, 1992 to July 13, 1994
Audience: Resource
Client: Eric De Jong
Master: BCAMsp
Audio 1: Music 2: Music
12/05/1994 - 0:09:18 Producer: Savona

AVC-1995-073-1/1 **TOPEX/Poseidon B-roll**
SLUG#1 NASA Leader TRT: :15
SLUG#2 TOPEX Titles TRT: :26
SLUG#3 Spacecraft Animation TRT: :14
SLUG#4 Spacecraft over the Earth TRT: :26
SLUG#5 TOPEX Titles TRT: :26
SLUG#6 El Nino Animations TRT: 1:55
SLUG#7 TOPEX Titles TRT: :26
SLUG#8 El Nino Images TRT: :36
SLUG#9 END Title TRT: :13
Audience: Resource
Client: Mary Hardin, Org. 181
Master: BCAMs Submaster: BCAMsp
Audio 1: Silent 2: Silent
01/23/1995 - 0:04:43 Producer: Savona

AVC-1995-079-1/1 **Titan III/Mars Observer Launch with Isolated Views and Process. Relays**
Videotape from NASA/KSC release
Audience: NASA
Client: NASA/KSC
Master: sVHS
Audio 1: Mono mix 2: Mono mix
09/25/1992 - 0:51:00 Producer: NASA/KSC

AVC-1995-080-1/1 **STS-68 Mission Highlights Resource Tape (SIR-C/X-SAR)**
STS-68 Shuttle Space Radar Laboratory (SLR-2) mission with the SIR-C/X-SAR. Launched 9/30/94 at 7:16 a.m. EDT, Landed 10/11/94 at 1:02 p.m.
Crew: Commander Mike Baker, Pilot Terry Wilcutt, Payload Commander Tom Jones, Mission Specialist Dan Bursch, Mission Specialist Jeff Wisoff.
Audience: Resource
Client: Mono Jasnow, Org. NASA
Master: 3/4"

Audio 1: Mono mix 2: Mono mix JSC 1440
02/10/1995 - 0:58:45 Producer: JSC

AVC-1995-090-1/1 **JPL Aerogel for NASA TV Broadcast**
Interview with the inventor of JPL's Aerogel compound as well as demonstrations showing its unique properties and its incorporation in Mars Pathfinder. For broadcast on NASA TV.
Audience: Resource Site: JPL
Client: PAO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/02/1995 - 0:07:48 Producer: Savona/Semerano

AVC-1995-091-1/1 **TOPEX/Poseidon: Mission to an Ocean Planet**
An edited production examining features of the joint U.S./French satellite project designed to study characteristics of the world's oceans. Included are interviews with several of the project scientists and results from data acquired to date.
Audience: Gen.
Client: Ed Christensen
Master: 1"C Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
03/07/1995 - 0:15:07 Producer: Semerano/Savona

AVC-1995-093-1/1 **Images of GRO J1655-40**
VLBI images of star GRO J1655-40.
Audience: Resource
Client: De Jong/Ainsworth
Master: BCAMsp
Audio 1: Silent 2: Silent
PRESS RELEASE
03/10/1995 - 0:02:38 Producer: Savona

AVC-1995-094-1/1 **Microlab-1 launch on Pegasus**
TVRO downlink form Vandenberg AFB.
JPL Lightning sensor. JPL designed radio science receiver for making temperature measurements of the atmosphere.
National Science Foundation, NOA
UCAR University consortium for atmospheric research.
Audience: JPL Site: TVRO
Client: Tom Meehan, Org. 335
Master: sVHS
Audio 1: Mono mix 2: Mono mix
04/03/1995 - 0:00:00

AVC-1995-096-1/1 **STS-63 Post Flight Presentation**
A JSC Production
Audience: Gen.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/23/1995 - 0:42:30 Producer: JSC

AVC-1995-097-1/2 **STS-64 Special Events Resource Tape**
A JSC Production
Audience: Gen.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/23/1995 - 1:10:00 Producer: JSC

AVC-1995-097-2/2 **STS-64 Special Events Resource Tape**
A JSC Production
Audience: Gen.
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
03/23/1995 - 1:18:30 Producer: JSC

AVC-1995-098-1/1 **Mars Pathfinder Resource Compilation**
1. Mesur Airbag Impact Attenuation Subsystem
2. Mars Pathfinder Retraction/Lander Opening Tests
3. Mars Pathfinder Plum-Brook Rapid Inflation #2
4. Mars Pathfinder EDL Simulation
5. China Lake Drop Test 12/15/94
6. China Lake Drop Test #2 3/3/95
Audience: Resource
Client: Sam Thurman, Org. 1510
Master: BCAMs
Audio 1: Mono mix 2: Mono mix
03/24/1995 - 0:18:17 Producer: Ziats

AVC-1995-100-1/1 **Ariane Launch of EUTELSAT F6 and BRASILSAT B2**
ESA Arianespace Rocket Launch V71 with payloads EUTELSAT F6 & BRASILSAT B2 from Kourou, French Guinea in South America
Audience: Gen. Site: Sat. Downlink
Client: Lynda McKinley, Org. 9400
Master: sVHS
Audio 1: Mono mix 2: Mono mix
03/28/1995 - 0:53:38 Producer: Borst

AVC-1995-101-1/1 **SIR-C X-SAR Science Excerpts (w/o Narration)**
Excerpts showing launch, payload bay, Sudan flyover, seasonal change, Taal/Pinatubo flyover, Kliuchevskoi optical/radar, Mt. Rainier, San Francisco and L.A. survey.
Audience: Tech.
Client: Diane Evans, Org. 3235
Master: 1"C
Audio 1: Mono mix 2: Mono mix
03/31/1995 - 0:07:48 Producer: Gary Savona

AVC-1995-102-1/1 **SURFSAT**
This edited production describes college students participation in a summer project devoted to building a satellite for NASA.
Audience: Gen. Site: JPL
Client: Dr. Joel Smith, Org. 9600
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/05/1995 - 0:09:06 Producer: Savona/Semerano

AVC-1995-103-1/1 **RAMS - Robotic Assisted Microsurgery System Interview and B-roll**
Raw footage for NASA T.V. editing purposes. Footage was videotaped on Feb. 7, 1995.
Audience: Resource Site: BLDG. 198
Client: NASA TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/07/1995 - 0:05:21 Producer: Savona

AVC-1995-108-1/1 **Mars Day Interviews and Supporting B-roll**
Raw footage for NASA T.V. editing purposes
Audience: Resource Site: Mall
Client: NASA TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/07/1995 - 0:07:59

AVC-1995-110-1/1 **Gene Shoemaker on Shoemaker/Levy 9**
VTV-546 DIRECTORS TOPICAL REVIEW
with Gene Shoemaker discussing his personal account of SL9 and discuss its history and the circumstances of its breakup as it approached Jupiter in July 1994,and the data from the collision.
Audience: Gen. Site: 186/aud
Client: Kathrine Mallis, Org. 1000
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
04/12/1995 - 1:19:46 Producer: Ziats/McElvain

AVC-1995-112-1/1 **JPL Earth Day Footage**
Launch of SIR/C/X-SAR followed by shot of instrument in Endeavour's payload bay. Next, are optical views and animated flyovers of Earth based on radar data. First Observations of Fault Motion from Space of the Landers earthquake in 1992.
TOPEX/Poseidon spacecraft and El Nino animations.
Audience: NASA
Client: NASA T.V.
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/14/1995 - 0:07:22 Producer: McNevin/Savona

AVC-1995-114-1/1 **STS-66 Mission Highlights Resource Tape**
A video production form Lyndon B. Johnson Space Center - production number #VJSC1448
Audience: NASA
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/20/1995 - 0:53:57 Producer: JSC

AVC-1995-115-1/1 **STS-67 Post Flight Presentation**
A video production from Lyndon B. Johnson Space Center - Number #JSC1477
Audience: Gen.
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/20/1995 - 0:41:41 Producer: JSC

AVC-1995-116-1/1 **Pluto Express - Art Center College of Design: Spacecraft Design Class**
VTV-548 Pluto Express Educational Outreach.
Final presentations of their Pluto spacecraft designs were made by Art Center students to the JPL community.
A live 3-camera documentation.
Four edited versions with interviews, refer to:
AVC-95-120, 0:07:53 (NASA-TV Excerpts)
AVC-95-134, 0:26:00 (half-hour version)
AVC-95-135, 0:10:36 (quarter-hour version)
AVC-95-136, 0:08:30 (brief version)
Audience: Gen. Site: von Kármán
Client: Jackie Giuliano, Org. 315

Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/20/1995 - 1:15:00 Producer: Savona

AVC-1995-117-1/1 **STS-63 Mission Highlights Resource Tape**
A JSC Production #1472
Audience: Gen. Site: JSC
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
04/25/1995 - 1:00:00 Producer: JSC

AVC-1995-118-1/2 **STS-63 Special Events Resource Tape**
A JSC production #1473
Audience: Gen. Site: JSC
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1473
04/25/1995 - 0:53:17 Producer: JSC

AVC-1995-118-2/2 **STS-63 Special Events Resource Tape**
A JSC production #1473
Audience: Gen. Site: JSC
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1473
04/25/1995 - 1:02:24 Producer: JSC

AVC-1995-119-1/1 **Cassini Huygens Animation ESA**
VTV-549

Audience: Gen.
Client: Mary Beth Murrill
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/25/1995 - 0:09:17

AVC-1995-120-1/1 **Art Center Students' Designs of Pluto Express Spacecraft**
Spacecraft Design Class
Excerpts from final presentations of spacecraft designs by Art Center College of Design students held on April 20th. Interviews with students follows excerpts of presentations. B-roll for broadcast on NASA TV.
Audience: Resource Site: JPL
Client: PAO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

04/26/1995 - 0:07:53 Producer: Savona

AVC-1995-122-1/2 **"Gathering for the Earth"**
The 25th Anniversary of Earth Day. A national Video Conference that included: a roundtable discussion with Native Elders and scientists; success stories in sustainable practices; demos of Internet educational materials; student art and other exhibits.
Audience: Gen.
Client: Anita Sohus
Master: VHS
Audio 1: Mono mix 2: Mono mix
04/21/1995 - 2:00:00 Producer: Borst

AVC-1995-122-2/2 **"Gathering for the Earth"**
The 25th Anniversary of Earth Day. A national Video Conference that included: a roundtable discussion with Native Elders and scientists; success stories in sustainable practices; demos of Internet educational materials; student art and other exhibits.
Audience: Gen.
Client: Anita Sohus
Master: VHS
Audio 1: Mono mix 2: Mono mix
04/21/1995 - 0:50:00 Producer: Borst

AVC-1995-127-1/1 **KIDSAT: Earthviews-1**
Views of Earth from SRL 1 & SRL 2
Audience: Gen. Site: JPL
Client: JoBea Way, Org. 3235
Master: BCAMsp
Audio 1: Silent 2: Silent
05/09/1995 - 0:45:02 Producer: Ziats

AVC-1995-128-1/1 **KIDSAT: A Flyover of Owens Valley, California using Shuttle Photos**
Sir-C footage combined with Student interviews
Audience: Gen. Site: vk
Client: JoBea Way, Org. 3235
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/09/1995 - 0:02:40 Producer: Borst

AVC-1995-129-1/1 **Mars Lander Robotic Sampling**
This edited production describes work currently underway in the Code X MLRS task for possible applications to Mars Surveyor Program missions.

Audience: Tech. Site: Bldg 277
Client: Paul Schenker, Org. 345
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/15/1995 - 0:05:04 Producer: Savona

AVC-1995-130-1/1 **Saturn Ring Plane Crossing B-Roll Video File for NASA-TV**
Four interview segments with Dr. Linda Horn plus animation and film footage of Saturn and Cassini.
Audience: Gen. Site: JPL
Client: McNevin, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Talent Mic 2: Camera Mic
05/17/1995 - 0:07:25 Producer: McNevin

AVC-1995-131-1/1 **Mars Pathfinder Mission**
Engineering Update using footage of various tests involving Mars Pathfinder.
Audience: JPL Site: JPL
Client: Rob Manning, Org. 1510
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono Mix 2: Mono Mix
05/16/1995 - 0:09:00 Producer: Borst

AVC-1995-132-1/1 **Aeronautics and Space Report #270**
"Forecasting Earthquakes"
Audience: Gen.
Client: JSC
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/17/1995 - 0:08:26 Producer: JSC

AVC-1995-133-1/1 **Introduction to KIDSAT**
Compilation of SIR-C and solar system visualization footage. Includes shuttle launches SIR-C footage, LA the Movie, Mars the Movie, & KIDSAT: A Flyover of Owens Valley, California
Audience: Gen. Site: JPL
Client: JoBea Way, Org. 3235
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/17/1995 - 0:22:00 Producer: Borst

AVC-1995-134-1/1 **Pluto Express - Art Center College of Design: Spacecraft Design Class**
Introduction by Jackie Giuliano. Pluto Express Educational Outreach
(Half-hour edited version of AVC-95-116)

Final presentations of their Pluto spacecraft designs were made by Art Center students to the JPL community.
Audience: Gen. Site: von Kármán
Client: Jackie Giuliano, Org. 315
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix AVC-95-116
05/16/1995 - 0:28:00 Producer: Savona/Ziats

AVC-1995-135-1/1 **Pluto Express - Art Center College of Design: Spacecraft Design Class**
Pluto Express Educational Outreach.
(Quarter-hour edited version of AVC-95-116)
Final presentations of their Pluto spacecraft designs were made by Art Center students to the JPL community.
Audience: Gen. Site: von Kármán
Client: Jackie Giuliano, Org. 315
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix AVC-95-116
04/20/1995 - 0:10:36 Producer: Savona/Ziats

AVC-1995-136-1/1 **Pluto Express - Art Center College of Design: Spacecraft Design Class**
Introduction by Jackie Giuliano. Pluto Express Educational Outreach
(Brief edited version of AVC-95-116)
Final presentations of their Pluto spacecraft designs were made by Art Center students to the JPL community.
Audience: Gen. Site: von Kármán
Client: Jackie Giuliano, Org. 315
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix AVC-95-116
04/20/1995 - 0:11:37 Producer: Savona/Ziats

AVC-1995-137-1/1 **5 Kilogram Rover for Mars Surveyor**
In this demonstration an experimental miniature rover follows operator computer command sequences to selected targets. The edited production shows the rover collecting samples and returning them to the lander. Another instrument carrying platform shows deployment of a tether and an IPD.
Audience: Tech. Site: Bldg. 107
Client: Wayne Zimmerman, Org. 3450
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/18/1995 - 0:07:37 Producer: Savona

AVC-1995-138-1/1 **NASA Zero-Base Review Briefing**
VTV-553 NASA Administrator, Daniel S. Goldin discussed the results and answered questions about the internal review

team's proposals for management and organizational changes at NASA. The briefing originated in Washington D.C.
Audience: News Site: NASA HQ
Client: PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/19/1995 - 1:03:30 Producer: NASA

AVC-1995-139-1/1 **KIDSAT: Crew Flight Films**
Crew Flight Films from STS-59 SIR-C; STS-68 SIR-C; STS-2 SIR-A; STS-41G SIR-B; STS-57 Can Do; STS-66 Atmos; & STS-67 Mir Rendezvous
Audience: Gen. Site: JPL
Client: JoBea Way, Org. 3235
Master: sVHS
Audio 1: Mono mix 2: Mono mix
05/19/1995 - 1:51:00 Producer: Borst

AVC-1995-141-1/1 **KIDSAT: Compilation of Visualization Movies**
L.A. The Movie; Mars the Movie; Magellan Mapping Results from AVC-91-091; Monterey the Movie; SIR-C Simulation Flyovers from AVC-95-021.
Audience: Gen. Site: JPL
Client: JoBea Way, Org. 3235
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/23/1995 - 0:25:00 Producer: Borst

AVC-1995-142-1/4 **STS-67 Special Events Resource Tape**
A JSC Production, #1479
Audience: Gen.
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1479
05/24/1995 - 0:52:13 Producer: JSC

AVC-1995-142-2/4 **STS-67 Special Events Resource Tape**
A JSC Production, #1479
Audience: Gen.
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1479
05/24/1995 - 0:55:16 Producer: JSC

AVC-1995-142-3/4 **STS-67 Special Events Resource Tape**
A JSC Production, #1479

Audience: Gen.
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1479
05/24/1995 - 0:58:58 Producer: JSC

AVC-1995-142-4/4 **STS-67 Special Events Resource Tape**
A JSC Production, #1479
Audience: Gen.
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1479
05/24/1995 - 0:14:13 Producer: JSC

AVC-1995-143-1/1 **Administrator's Address to NASA Employees**
A live agency-wide address to NASA employees. Dan Goldin did a short speech which was followed by Q&A from the employees at Headquarters and the other Centers. The subject Goldin spoke on was the Budget process and Dan's stance with Capitol Hill.
Audience: NASA Site: NASA HQ
Client: NASA
Master: sVHS
Audio 1: Mono mix 2: Mono mix
06/08/1995 - 1:16:00 Producer: NASA

AVC-1995-144-1/1 **Mars Pathfinder EDL Simulation**
Mars Pathfinder Mission Entry/Descent/Landing (EDL) Simulation created on HP-755 using Adams Mechanical Dynamics Analysis software. Originally recorded Dec. 22, 1994.
Audience: Tech. Site: 157-514
Client: Chia-Yen Peng, Org. 354
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo L 2: Stereo R
06/09/1995 - 0:02:03 Producer: Hanchett

AVC-1995-145-1/1 **Mars Pathfinder Entry, Descent and Landing Press Release**
B-Roll for NASA-TV
Audience: News Site: JPL
Client: Edward McNevin, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/09/1995 - 0:14:40 Producer: McNevin

AVC-1995-146-1/1 **JPL Advanced Pixel Sensor**
JPL Advanced Pixel Sensor. B-Roll footage prepared

for NASA TV.
Audience:
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
06/12/1995 - 0:07:05

AVC-1995-147-1/1 **Visualization of Earth Asteroids**
Visualization of Earth Approaching Asteroids And Associated Physics Using Radar Based Models.
Audience:
Client:
Master:
Audio 1: Silent 2: Silent
06/13/1995 - 0:08:00 Producer: Eric DeJong

AVC-1995-148-1/1 **NASA/JPL "CONGO" Technology B-Roll for NASA-TV**
NASA/JPL "Congo" Technology B-Roll Footage for NASA-TV
Audience: Resource
Client: E. McNevin, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/16/1995 - 0:10:00 Producer: McNevin

AVC-1995-149-1/1 **Mars Pathfinder ASI/MET**
Atmospheric Structure Investigation/ Meteorological Experiment
An edited production from VHS resource footage.
Audience: Resource
Client: C. Labaw, Org. 3850
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/15/1995 - 0:09:58 Producer: Ziats

AVC-1995-150-1/1 **Ulysses Northern Solar Polar Pass Press Release B-Roll Footage**
Ulysses Northern Solar Pass Press Release B-Roll Footage.
Audience:
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/16/1995 - 0:08:45

AVC-1995-150-2/1 **Ulysses Northern Solar Polar Pass B-Roll Footage**
Ulysses Northern Solar Pass Press Release B-Roll Footage.

Audience:
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/16/1995 - 0:08:45

AVC-1995-155-1/1
VTV-557

Mars Global Surveyor: Surveying the Martian World
This edited video production briefly describes the Mars Global Surveyor's objectives using computer animation to graphically illustrate the two-year mapping mission to the 4th planet.
Audience: Gen. Site: JPL
Client: Glenn Cunningham, Org. 1520
Master: 1"C Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
06/22/1995 - 0:05:40 Producer: Savona

AVC-1995-160-1/1
VTV-562

Galileo Jupiter Encounter Probe Release Simulation
Two versions of computer generated animation showing the Galileo Probe release.
Version 1 - 0:01:41, (TRT 0:02:31) Probe End View
Version 2 - 0:00:58, (TRT 0:01:45) Side View
Produced by the Solar System Visualization Project for Galileo
Audience: Resource
Client: Galileo/PIO
Master: BCAMsp
Audio 1: Silent 2: Silent
07/10/1995 - 0:04:30 Producer: SSVP/De Jong

AVC-1995-162-1/1

Mariner - Mars Highlights for NASA-TV Video file
Short clips highlighting Mariner 10, VI, VII, IX and Viking Missions to Mars. Prepared for Mariner IV 30th Anniversary, July 14, 1996.
Audience: News Site: JPL
Client: Mc Nevin, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/12/1995 - 0:07:35 Producer: Mc Nevin

AVC-1995-163-1/1

Mars Pathfinder Mission - Version 2 - July 12 1995
Engineering Update using footage of various tests involving Mars Pathfinder.
Audience: Tech. Site: JPL
Client: Rob Manning, Org. 1510
Master: BCAMsp Submaster: BCAMsp

Audio 1: Mono mix 2: Mono mix
07/12/1995 - 0:12:45 Producer: Borst

AVC-1995-164-1/1 **Cassini Huygens Test Probes Delivery to JPL - Video File**
Audience: JPL
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/19/1995 - 0:14:30 Producer: Mc Nevin

AVC-1995-165-1/1 **TOPSAR Visualization**
Computer generated flyovers of Pasadena and San Francisco.
Audience: Gen.
Client: Bruce Chapman, Org. 3340
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
07/20/1995 - 0:03:37 Producer: DIAL

AVC-1995-166-1/1 **TOPSAR/AIRSAR Flyover of Pasadena and San Francisco/NASA-TV**
An interview with Dr. Howard Zebker details how scientists create and use 3-D visualization techniques to study regions of the Earth using data from airborne radar mapping missions.
Dr. Zebker's interview is followed up by two new flyovers of Pasadena and San Francisco, CA.
Audience:
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/25/1995 - 0:09:50

AVC-1995-167-1/1 **Ulysses Northern Polar Pass Video Highlight/NASA-TV**
A short interview with Dr. Edward Smith, NASA's Project Scientist with the Ulysses spacecraft. Dr. Smith explains what scientists expect to learn about the Sun during its 3 month pass over the northern regions of the sun.
Audience:
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/25/1995 - 0:09:00

AVC-1995-168-1/1 **Galileo Newton Engine Firing - Bill O'Neil Interview**
A short news-style interview with Galileo Project Manager Bill O'Neil discussing the Newton engine rocket pre-burn

event on July 24, 1995 and the Orbiter Deflection Maneuver using the Newton engine on July 27, 1995.
Audience:
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/25/1995 - 0:04:20

AVC-1995-171-1/1 **Abridged Version of Galileo ODM and Entry/Descent Simulations**
These animations are for release during the Galileo Press Conference on 7/27/95.
Orbiter Deflection Maneuver simulation - 1:09
Probe Entry/Descent simulation - 1:45
Audience: NASA
Client: Jan Ludwinski
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/26/1995 - 0:03:19 Producer: Savona

AVC-1995-172-1/1 **Galileo Post Orbiter Deflection Maneuver Press Conference**
VTV-565
The briefing covers probe release and engine firing for retarget maneuver to Jupiter.
Speakers: Don Ketterer, Program Manager
Bill O'Neil, Project Manager
Marcie Smith, Probe Manager
Q & A follows presentations
Audience: News Site: VisitorCtr.
Client: Maynard Hine, Org. 950
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/27/1995 - 0:43:00 Producer: Savona

AVC-1995-174-1/1 **5 kg. Rover Control with Virtual Reality**
This edited production demonstrates a control of a laboratory rover using a virtual reality operator interface.
Audience: Tech. Site: 277 & 107
Client: G. Rodriguez, Org. 345
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/01/1995 - 0:03:14 Producer: Savona

AVC-1995-175-1/1 **STS-71 Post Flight Presentation**
VTV-566
Audience: Resource Site: JSC
Client: JSC
Master: 3/4"

Audio 1: Mono mix 2: Mono mix
08/03/1995 - 0:31:25 Producer: JSC

AVC-1995-176-1/1 **MIR 18 Post Presentation**
VTV-567

Audience: Resource Site: JSC
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
08/03/1995 - 0:29:15 Producer: JSC

AVC-1995-178-1/1 **How Dinosaurs might have been saved: Detection/Deflection of Comet**
VTV-568 ----DIRECTOR'S TOPICAL SEMINAR SERIES----
Professor Freeman Dyson discusses new technologies for detection and deflection of Earth bound comets and asteroids. Question and answer period follows lecture.
Audience: JPL Site: von Kármán
Client: Charles Elachi
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/11/1995 - 1:30:00 Producer: Beck

AVC-1995-182-1/1 **NASA Administrator Goldin's Address To World SF Convention**
NASA Administrator Daniel Goldin Address To World Science Fiction Convention.
Audience: Site: Visitor Cen
Client: D. Goldin, Org. NASA
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/18/1995 - 0:24:00 Producer: Steve Bridges

AVC-1995-184-1/1 **JPL/New Millennium Solar Collector Video footage for NASA-TV**
Interviews with Bruce Anspaugh and Art Chmielewski at JPL discussing balloon tests conducted in Palestine, TX. The tests take advantage of a high elevation balloon to test and calibrate advanced solar collectors which will be used for future New Millennium missions. Footage is for the NASA-TV.
Audience: NASA Site: JPL
Client: McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/31/1995 - 0:08:00 Producer: McNevin

AVC-1996-002-1/1 **Ranger Dexterous Arm Control**
This edited production demonstrates robotic technologies for executing manipulation tasks in space.
Audience: Tech. Site: 107-104
Client: Bruce Bon, Org. 3450
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/20/1995 - 0:04:38 Producer: Goldrich

AVC-1996-003-1/1 **Remote Interactive Visualization and Analysis (RIVA)**
Version one - 0:01:45
Multi-spectral Rendering using Southern California Desert Landsat Data set. Produced on the Abbacus, it has egg an shaped Mars and a jump in the middle of the Mars sequence.
Version two - 0:01:45
Multi-phenomenon rendering using USGS Global Mars Mosaic was produced on the scan converter, it has a black frame around the Mars sequence, is a little softer, and has no jump in the Mars sequence.
Audience: Resource Site: 126 SGI
Client: Kathya Zamora, Org. 395
Master: BCAMsp
Audio 1: silent 2: silent
09/08/1995 - 0:04:50 Producer: Hanchett

AVC-1996-004-1/1 **RAMS - Robot Assisted Microsurgery - A New Technology**
An edited production that describes robot assisted microsurgery techniques that will enable operations of the eye, ear, brain and other critical faculties at unprecedented small scales.
Audience: Tech. Site: Bldg. 198
Client: Paul Schenker, Org. 3450
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/22/1995 - 0:04:23 Producer: Savona

AVC-1996-008-1/1 **Micro-Lander Dexterous Manipulator**
An edited production that demonstrates a new robotic arm and controls for Mars lander-based surface exploration.
Audience: Tech. Site: Bldg. 277
Client: Paul Schenker, Org. 3450
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/23/1995 - 0:06:49 Producer: Savona

AVC-1996-009-1/1 **Comet Sampler Technology Development**
An edited production describing autonomous acquisition of subsurface samples from a comet for scientific analysis.
Audience: Tech. Site: Bldg. 198
Client: Rick Welch, Org. 3450
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/26/1995 - 0:05:16 Producer: Goldrich/Savona

AVC-1996-010-1/1 **JPL-JSC Remote Telerobotic Inspection Demonstration**
An edited production describing a robotic inspection task in the JPL RSI lab controlled from Johnson Space Center.
Audience: Tech. Site: Bldg. 198
Client: Paul Backes, Org. 3450
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/26/1995 - 0:04:22 Producer: Savona

AVC-1996-011-1/2

Aerials of JPL
Aerial footage of the Jet Propulsion Laboratory with additional camera zooms into building 180 for use in the JPL Co-op, APT and Summer Programs.
Audience: Resource Site: Lab
Client: Co-op Program
Master: BCAMsp
Audio 1: Silent 2: Silent
09/27/1995 - 0:27:30 Producer: Dawson/Savona

AVC-1996-011-2/2 **Aerials of JPL**
Aerial footage of the Jet Propulsion Laboratory with additional camera zooms into building 180 for use in the JPL Co-op, APT and Summer Programs.
Audience: Resource Site: Lab
Client: Co-op Program
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
09/01/1995 - 0:10:44 Producer: Dawson/Savona

AVC-1996-012-1/1 **Ulysses Resource Material from ESA**
A and B roll footage from the European Space Agency in Italian, English, French and German.
JPL's contact is Brigitte Kolmsee at ESA. Her telephone number is (33-1) 53.69.72.99.
Audience: Resource
Client:

Master: BCAMsp
Audio 1: Silent 2: Narration
09/28/1995 - 0:17:00

AVC-1996-013-1/1 **NASA/JPL Interview with Dr. Leslie Deutsch - B-roll for NASA T.V.**
This interview was conducted on August 25, 1995 with Dr. Leslie Deutsch of the Deep Space Network. Appropriate B-roll footage of the 70-meter antenna and the "ultracone" being hoisted into place follows interview.
Audience: Resource Site: JPL
Client: Bob Mac Millin, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/29/1995 - 0:05:04 Producer: Savona

AVC-1996-015-1/1 **KidSat NASA B-Roll footage**
Interviews with KidSat coordinators
Audience: Resource
Client: S. Zeluck, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/28/1995 - 0:07:13 Producer: Goldrich/Beck

AVC-1996-016-1/1 **Stardust Mission Overview**
1. Trajectory 2:24
2. Wild 2 Encounter :57
3. Earth Return :42
4. Spacecraft Collage Animation 2:32
5. Testbed Hardware 1:30
Audience: Resource Site: 179-112
Client: Ken Atkins/ Nick Thomas, Org. 344
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
For a new, corrected version use AVC-98-034
10/03/1995 - 0:08:17 Producer: Hanchett

AVC-1996-017-1/1 **Visualization of Earth Approaching Asteroids - 2**
Computer generated visualization of Earth Approaching Asteroids and Associated Physics Using Radar Based Models. Shows the Asteroid 4179 Toutatis as it rotates with different solar illumination.
Audience: Resource
Client: New Millennium Pgm.
Master: BCAMsp
Audio 1: silent 2: silent
10/06/1995 - 0:06:09 Producer: Eric De Jong

AVC-1996-022-1/1 **Ulysses: An Expedition Over the Sun's Poles**
An edited production describing results learned from Ulysses' pass over the southern region of the sun.
Audience: Gen. Edu. Site: JPL
Client: Meeks/Massey, Org. 9800
Master: 1"C Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
10/24/1995 - 0:06:15 Producer: Savona

AVC-1996-023-1/1 **Mars Pathfinder Mission - Version 3 - October 1995**
Engineering Update using footage of various tests involving Mars Pathfinder.
Audience: Tech. Site: JPL
Client: Rob Manning, Org. 1510
Master: BCAMsp Submaster: BCAMsp
Audio 1: Narration 2: Effects AVC-95-193
10/26/1995 - 0:11:22 Producer: Borst

AVC-1996-027-1/1 **SIR-C Radar Observations over East-Central California**
A computer-generated animation of a simulated flight over east-central California, from Lake Tahoe to Telescope Peak. A radar image is combined with digital elevation data to construct a three-dimensional map of the surface.
Audience: Resource Site: JPL
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
10/31/1995 - 0:03:00 Producer: Savona

AVC-1996-028-1/1 **Director's Topical Seminar: Clementine At The Moon**
VTV-579
Dr. Gene Shoemaker talks about the results of the Clementine Mission to the Moon, future possible missions to the moon.
Audience: Site: von Kármán
Client: Dr. Chahine
Master: VHS
Audio 1: Mono mix 2: Mono mix
10/26/1995 - 1:30:00 Producer: John Beck

AVC-1996-029-1/1 **Getting To Jupiter: The Amazing Discoveries of the Galileo Spacecraft**
VTV-580
Dr. Karen L. Buxbaum shares the discoveries made by the Galileo spacecraft as it traveled to Jupiter.
Audience: Gen. Site: von Kármán
Client: Skip McNevin
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
10/25/1995 - 1:30:00 Producer: John Beck

AVC-1996-030-1/1 **Champollion Landing System Simulation**
ADAMS Dynamic Analysis - Final Proposal Review
Computer simulation, Scan conversion, edited with titles
Audience: Tech. Site: 158-224
Client: Randel Lindemann, Org. 352
Master: BCAMsp Submaster: BCAMsp
Audio 1: silent 2: silent
11/05/1995 - 0:14:42 Producer: Hanchett

AVC-1996-031-1/1 **NASA...On the Cutting Edge Education Videoconference Series**
Host, Camille Moody located at the University of Maryland
and co-host Don Scott located at the JPL Mars Yard moderate a
one hour show about Robotics.
Questions are fielded by Dave Lavery, Donna Shirley and
Samad Hayati. The show was broadcast live on NASA
Television.
Audience: Gen. Site: Mars Yard
Client: Camille Moody, Org. 1820
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/07/1995 - 1:00:00 Producer: Savona

AVC-1996-032-1/1 **Galileo Arrival Animation B-roll for Nov. 9th Press Conference**
VTV-582
This computer animation illustrates spacecraft
arrival at Jupiter and the Probe's descent into the planet's
atmosphere.
Audience: Resource
Client: PIO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
11/09/1995 - 0:03:25

AVC-1996-033-1/2 **Galileo Pre-Arrival Press Conference**
VTV-581
Bill O'Neil describes spacecraft/mission status &
the day's events; Dr. Rich Young gives a probe mission
science overview; Dr. Torrence Johnson discusses arrival
orbiter science and an orbital tour preview. Questions and
answers follow presentations. Arrival animation is
included.
Audience: News Site: von Kármán
Client: PIO, Org. 9500
Master: 1"C
Audio 1: Mono mix 2: Mono mix

LIVE ON NASA TELEVISION
11/09/1995 - 1:33:00 Producer: Savona

AVC-1996-033-2/2 **Galileo Pre-Arrival Press Conference**
VTV-581 Bill O'Neil describes spacecraft/mission status & the day's events; Dr. Rich Young gives a probe mission science overview; Dr. Torrence Johnson discusses arrival orbiter science and an orbital tour preview. Questions and answers follow presentations. Arrival animation is included.
Audience: News Site: von Kármán
Client: PIO, Org. 9500
Master: 1"C
Audio 1: Mono mix 2: Mono mix
LIVE ON NASA TELEVISION
11/09/1995 - 0:24:00 Producer: Savona

AVC-1996-034-1/1 **High School Journalists Planetary Conference**
Panel discussion of the outer planets with students. Intro by Larry Dumas. Moderated by Edward McNevin. Panelists: DSN- Pat Beyer; Jupiter- Dr. Jo Pitesky; Saturn- Dr. Stephen Edberg; Uranus- Dr. Robert M. Nelson; Pluto- Jackie Giuliano.
Audience: Edu. Site: von Kármán
Client: Annette deCharon
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/09/1995 - 0:42:38 Producer: Goldrich

AVC-1996-035-1/1 **Ulysses Index European Space Agency Programs**
New Adventures of Ulysses 4:23; Ulysses Explores the Empire of the Sun 4:06; A Multinational Mission 2:58; Long Journey into the Unknown 2:29
Ulysses Escapes from the Storms of the Sun 4:36
Sun's Battle with the Cosmic Rays 2:51; Breeze from the Stars 2:20; To the Poles and Beyond 3:24
Audience: Edu.
Client:
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/10/1995 - 0:32:00 Producer: ESA

AVC-1996-038-1/1 **KidSat: A Caltech student-assisted production**
VTV-583 This edited production describes the KidSat project with teacher interviews, student interviews, showing students in classrooms, astronauts using cameras, views of

Earth from the shuttle and digitized 3D Earth flyovers.
Audience: Edu. Site: JPL
Client: Jo Bea Way
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/01/1995 - 0:14:00 Producer: Beck/Johnson

AVC-1996-038-1/1
VTV-583

KidSat: A Caltech student-assisted production(4 minute version)
This edited production describes the KidSat project with teacher interviews, student interviews, showing students in classrooms, astronauts using cameras, views of Earth from the shuttle and digitized 3D Earth flyovers.
Audience: Edu. Site: JPL
Client: Jo Bea Way
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/01/1995 - 0:04:00 Producer: Beck/Johnson

AVC-1996-039-1/1

Galileo at Jupiter: Exploring the Jovian World
Part of the Theodore von Kármán Lecture Series featuring Dr. Torrence Johnson as he outlines the spacecraft's primary mission at Jupiter.
Audience: JPL Site: von Kármán
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
11/17/1995 - 1:02:54 Producer: Goldrich

AVC-1996-044-1/1

ESA Infrared Space Observatory Launch aboard Ariane v-80
Satellite feed of ESA launch from Kourou.
Audience: JPL NASA News Resource
Client: Rick Ebert
Master: sVHS
Audio 1: Mono mix 2: Mono mix
11/16/1995 - 1:08:00 Producer: Borst

AVC-1996-046-1/1

Galileo Movie and Animation Compilation
Jovian Laboratory, Galileo Press Footage, Third Step to Jupiter, Earth/Moon 1 Encounter, Earth Spin Movie, Gal. at Gaspra, Final Step to Jupiter, Gaspra Flyby, Moon Flyby Press Release, Earth/Moon 2, Probe Spacecraft to Jupiter, Asteroid Data Coll., Probe Release and ODM, Arrival Animation.
Audience: Resource
Client: PAO, Org. 1800
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
11/26/1995 - 1:04:00 Producer: Ziats

AVC-1996-047-1/1 **Expansion of Supernova SN 1993J**
Audience: Resource
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Silent 2: Silent
12/01/1995 - 0:01:00 Producer: Dial

AVC-1996-048-1/1 **Galileo: A Guided Tour**
This edited production was shot in von Kármán museum and features Jan Ludwinski describing and showing the various features of the Galileo spacecraft and their functions.
Audience: Gen. Site: Museum
Client: Ludwinski
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1995 - 0:08:44 Producer: Goldrich

AVC-1996-049-1/1 **Galileo Arrival Day Resource Compilation Tape- Revised 6/26/96**
VTV-584 This tape contains Galileo launch footage, trajectory, probe release and orbit animations, Arrival Day reactions from Galileo MSA and von Kármán auditorium, Fly-by of Io and Io Cutaway Animations, Surface Map of Io and Ganymede Encounter Positioning and Orbit Animations.
Audience: Resource Site: JPL
Client: Jurrie van der Woude, Org. 950
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/05/1995 - 0:23:27 Producer: Ziats/Beck

AVC-1996-050-1/2 **Galileo Probe Descent Overview**
This show covers the Galileo Probe descent into Jupiter's atmosphere. Host Dr. Rich Terrile conducts interviews with Neal Ausman, Gary Kunstmann, Charlie Sobeck, Bernie Dagarin, Robert Young, Marcie Smith, Andrew Ingersoll and Margaret Kivelson.
Audience: Gen. Site: Studio
Client: Ludwinski/PIO, Org. 9500
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/07/1995 - 1:30:00 Producer: Savona

AVC-1996-050-2/2 **Galileo Probe Descent Overview**
This live show covers the Galileo Probe descent into

Jupiter's atmosphere. Host Dr. Rich Terrile conducts interviews with Andrew Ingersoll and Margaret Kivelson.
Audience: Gen. Site: Studio
Client: Ludwinski/PIO, Org. 9500
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/07/1995 - 0:30:00 Producer: Savona

AVC-1996-051-1/1 **Galileo Orbit Insertion Overview**
This live show covers the Galileo spacecraft's orbit insertion into Jupiter. Host Dr. Rich Terrile conducts interviews with Torrence Johnson, Robert Mitchell, Wesley Huntress, Edward Stone, Andrew Ingersoll and Carl Sagan.
Audience: Gen. Site: Studio
Client: Ludwinski/PIO, Org. 9500
Master: 1"C
Audio 1: Mono mix 2: Mono mix
12/07/1995 - 1:30:00 Producer: Savona

AVC-1996-052-1/1 **Galileo and the Flight to Jupiter**
VTV-585
An edited production that describes the Galileo mission from conception thru launch until the spacecraft reached Jupiter and released a probe into its atmosphere.
Audience: Gen.
Client: Ludwinski/Wilson, Org. 9500
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/1995 - 0:12:03 Producer: Semerano/Savona

AVC-1996-053-1/1 **Galileo - The Communications Pipeline**
VTV-586
This edited production follows the communication network between the Galileo science team and how their commands are sent to the spacecraft and then received back on Earth.
Audience: Edu.
Client: Steve Spohn, Org. 9500
Master: 1"C Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
12/07/1995 - 0:06:31 Producer: Savona/Semerano

AVC-1996-054-1/1 **Goldin Press Interaction, Galileo Arrival Day**
Informal talk by NASA Administrator Daniel S. Goldin with the local news media in von Kármán Auditorium.
Audience: News Site: von Kármán
Client: PIO/Galileo
Master: M-II

Audio 1: Mono mix 2: Mono mix
12/07/1995 - 0:26:40

AVC-1996-055-1/1 **Galileo Arrival Day Highlights**
This tape contains Arrival Day reactions in von Kármán and Galileo MSA as well as several shots of the media setting up.
Audience: Resource Site: JPL
Client: PIO
Master: 1"C
Audio 1: Mono mix 2: Mono mix
One channel of audio dead for first 6 minutes
12/07/1995 - 0:06:28 Producer: Beck

AVC-1996-056-1/1 **Galileo Arrival Day Opening Press Conference**
Galileo Project Manager Bill O'Neil and Probe Manager Marcie Smith update the press on the day's events: including probe descent and orbit insertion.
Audience: News Site: von Kármán
Client: Ludwinski/PIO, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/1995 - 0:40:52 Producer: Goldrich

AVC-1996-057-1/1 **Galileo Press Conference with NASA Administrator Daniel Goldin**
NASA Administrator Daniel Goldin answers questions from the media regarding Galileo and other future missions.
Audience: News Site: von Kármán
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/1995 - 0:25:00 Producer: Beck

AVC-1996-058-1/1 **Galileo Arrival Day Closing Press Conference**
NASA Administrator Daniel Golden addresses the press about the success of the probe and s/c orbit and then Probe Manager Marcie Smith and Project Manager Bill O'Neil speak and take Q & A from NASA centers and press about the Galileo mission.
Audience: News Site: von Kármán
Client: Ludwinski, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/1995 - 1:04:29 Producer: Goldrich

AVC-1996-060-1/1 **San Diego: The Movie (supercomputing '95 version)**

Computer generated flyby of San Diego and outlying areas. Produced by Cray Research Inc., Jet Propulsion Laboratory, University of Illinois at Chicago, and the San Diego Supercomputer Center.
Audience: Gen.
Client: Kathya Zamora
Master: BCAMsp Submaster: BCAMsp
Audio 1: stereo 2: stereo
12/11/1995 - 0:04:50

AVC-1996-061-1/1 **Galileo Openings for December 7th Blue Room Shows**
First opening is for Probe Entry segment - 1:13
Second opening is for Orbit Insertion - 1:05
Closing - :21
Audience: Resource
Client: Galileo Shows, Org. 9500
Master: 1"C
Audio 1: Mono mix 2: Mono mix
This is raw footage - Not For Release
12/11/1995 - 0:02:39 Producer: Savona

AVC-1996-062-1/1 **Galileo Probe Entry Animation**
Ames Research produced animation of the Galileo probe entry into Jupiter's atmosphere.
Audience: Resource Site: Ames
Client: PIO, Org. 9500
Master: BCAMsp
Audio 1: Silent 2: Silent
12/01/1995 - 0:05:00 Producer: Ames Research Ctr.

AVC-1996-063-1/1 **What We Must Do to Return Humans to the Moon and Take Them to Mars**
VTV-587 Thomas F. Rogers, Chairman of the Sophron Foundation, gives lecture on annual reductions in our Federal civil space program, and how this affects future settlements on the Moon and voyages to Mars.
Audience: Gen. Site: von Kármán
Client: Lew Ryan, Org. 6100
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1995 - 1:00:00 Producer: Beck

AVC-1996-066-1/1 **Huygens SM2 Balloon Drop Test**
This narrated program explains the Huygens' balloon drop test conducted on May 14, 1995 in Esrange, Sweden. The news release uses graphics and actual taped footage of the test.

Huygens is a probe that will be released into Saturn's moon Titan from the Cassini spacecraft.
Audience: Resource
Client:
Master: 3/4"
Audio 1: Mono mix 2: Mono mix
12/14/1995 - 0:07:19 Producer: ESA

AVC-1996-068-1/1 **Exploration of the Solar System: Spanish Narration**
Adriana Ocampo describes in Spanish the solar system to an assembly at the University of Honduras. The presentation was taped for the USIS. Recorded on February 13, 1995.
Audience: Edu. Site: TV Studio
Client: PIO/Jim Doyle, Org. 182
Master: M-II
Audio 1: Mono mix 2: Mono mix
Note: Spanish language
12/15/1995 - 1:00:50 Producer: Savona

AVC-1996-070-1/1 **Trajectory Tool Navigation Software Video File For NASA**
A Short edited selection of interviews and B-Roll footage of "TRAJ TOOL", a software program developed at the Jet Propulsion Laboratory for use in Spacecraft Navigation.
Audience:
Client: PIO/Ed McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/08/1996 - 0:07:10 Producer: Scott Goldrich

AVC-1996-071-1/1 **Best of Galileo Video/Animation**
VTV-589 This compilation tape includes VEEGA and Tour trajectories, Earth Spin Movie, Earth/Moon Conjunction, Gaspra Flyover, Ida Rotation, Probe Release (Dial & Ames), ODM, Probe Relay and Entry/Descent, Launch and Deployment, The Jovian Lab, Communications Pipeline, S/C Tour.
Audience: Edu.
Client: Ludwinski, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/09/1996 - 0:50:30 Producer: Goldrich

AVC-1996-072-1/1 **Rocky 7/Rover Technology Research: 1995 Accomplishments**
An edited production showing Rocky 7 navigating and conducting experiments in the Mars Yard. Activities performed by the rover include the use of stereo vision for

obstacle detection, autonomous localization by lander, and
the execution of science tasks using its manipulator arm.
Audience: Tech. Site: Mars Yard
Client: Samad Hayati, Org. 3450
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/09/1996 - 0:06:52 Producer: Savona/Semerano

AVC-1996-073-1/1 **Cassini Propulsion Module Main Engine Assembly Test**
Side view and top view of engine firing
White Sands Test Facility T.S. 401
Test date: 12/14/1995
Audience: Resource
Client: Suzanne Barber, Org. 1400
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/11/1996 - 0:03:10 Producer: Ziats

AVC-1996-075-1/1 **Infrared Interferometric Search for Neighboring Planetary Systems**
This is work in progress.
Audience: Resource Site: JPL
Client: Eric De Jong
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
01/15/1996 - 0:03:38

AVC-1996-076-1/1 **Challenger Anniversary Resource Tape**
NASA/Johnson Space Center Tape 1531A
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/09/1996 - 0:32:43 Producer: JSC

AVC-1996-077-1/1 **STS-73 Post Flight Presentation**
VTV-591 NASA/JSC production #1529
Audience: Gen.
Client: JSC
Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1529
12/01/1995 - 0:28:45 Producer: JSC

AVC-1996-078-1/1 **STS-74 Post Flight Presentation**
VTV-592 NASA/JSC production #1538
Audience: Gen.
Client: JSC

Master: 3/4"
Audio 1: Mono mix 2: Mono mix JSC 1538
12/01/1995 - 0:38:15 Producer: JSC

AVC-1996-080-1/2
VTV-593/1

Early Galileo Probe Results Press Briefing
The briefing originated from NASA's Ames Research Center. Project Scientists and principal investigators presented results from the probe's fiery 57 minute descent through the giant gas planet's upper atmosphere. A new animation was also shown portraying this event.
Panelists consist of: William O'Neal (JPL), Marcie Smith (AMES), Dr. Richard Young (AMES), Dr. Hasso Nieman (Goddard), Dr. Ulf von Zahn (GERMANY), Alvin Seiff (San Jose State Univ.),
Audience: News Site: AMES
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/22/1996 - 1:00:00 Producer: NASA Ames

AVC-1996-080-2/2
VTV-593/2

Early Galileo Probe Results Press Briefing
Part 2 of 2
Audience: News Site: AMES
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/22/1996 - 0:30:00 Producer: NASA Ames

AVC-1996-081-1/1

Galileo Probe Preliminary Results B-Roll and Animation
The source of this information is NTV Video File footage and includes sound bites from key project scientists.
Audience: Resource
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/22/1996 - 0:14:00

AVC-1996-082-1/1

Galileo Probe - First Measurements of Jupiter's Atmosphere
Computer animation showing release of probe into atmosphere. Interview with Dr. Richard Young, Probe Project Scientist. This animation was produced by Ames Research Center and released during a January Press Conference held at Ames.
Audience: Resource
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

01/25/1996 - 0:11:48 Producer: Ames Research Ctr.

AVC-1996-083-1/1 **Cassini S/C Integration - Video File**
Selected interview sound bites with Tom Gavin, followed by B-roll footage of flight hardware integration into the Cassini spacecraft framework in JPL's s/c assembly facility cleanroom. Plus ESA animation of s/c and probe.
Audience: Resource
Client: McNevin/PIO, Org. 182
Master: BCAMsp
Audio 1: Split 2: Split
01/29/1996 - 0:14:26 Producer: Goldrich

AVC-1996-084-1/2 **Keep the "Dream" Alive - Dr. Martin Luther King, Jr.**
VTV-597/1
A celebration of the life of Dr. Martin Luther King, Jr. featuring musical numbers and speeches from Larry Dumas, Alfred Paiz, Nickole Rogers, Rev. Lee Norris May, Mrs. Jo Bradley, Willis Meeks and Tam Antoine.
Audience: Gen. Site: von Kármán
Client: Beth Abkeah
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/29/1996 - 1:30:00 Producer: Goldrich

AVC-1996-084-2/2 **Keep the "Dream" Alive - Dr. Martin Luther King, Jr.**
VTV-597/2
A celebration of the life of Dr. Martin Luther King, Jr. featuring musical numbers and speeches from Larry Dumas, Alfred Paiz, Nickole Rogers, Rev. Lee Norris May, Mrs. Jo Bradley, Willis Meeks and Tam Antoine.
Audience: Gen. Site: von Kármán
Client: Beth Abkeah
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/29/1996 - 0:28:00 Producer: Goldrich

AVC-1996-086-1/1 **NASA Planetary Photojournal Video File for NASA TV**
Video File Production for NASA TV featuring a new World Wide Web site developed by JPL and the USGS for easy access to planetary data. Clip includes short interview with Myche McAuley and demonstration of the features of the Web page.
Audience: Gen. Site: von Kármán
Client: McNevin/PIO
Master: BCAMsp
Audio 1: Split 2: Split
02/01/1996 - 0:08:00 Producer: Goldrich

AVC-1996-086-2/1 **NASA Planetary Photojournal Video File for NASA TV**
Video File Production for NASA TV featuring a new World Wide Web site developed by JPL and the USGS for easy access to planetary data. Clip includes short interview with Myche McAuley and demonstration of the features of the Web page.
Audience: Gen. Site: von Kármán
Client: McNevin/PIO
Master: BCAMsp
Audio 1: Split 2: Split
02/01/1996 - 0:00:00 Producer: Goldrich

AVC-1996-087-1/1 **Mars Pathfinder Rover/Lander Integration Video File for NASA TV**
VTV-595
Short edited highlights from the Mars Pathfinder Rover/Lander Integration Press tour in BLDG 179 on Jan 31, 1996. Clip includes interview with Donna Shirley and views of MP Rover and Lander during integration phase.
Audience: Site: JPL
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/1996 - 0:07:45 Producer: Beck

AVC-1996-089-1/1 **Quantum Well Infrared Photodetector (QWIPS) - Video File for NTV**
Video File production for NASA TV on QWIPS. Clip includes interview with Dr. Sarath Gunapala, task manager of QWIPS team and resource footage of the camera and its performance.
Audience: NASA Resource
Client: McNevin/PIO, Org. 182
Master: BCAMsp
Audio 1: Split 2: Split
02/01/1996 - 0:10:15 Producer: Goldrich

AVC-1996-090-1/1 **NBC Today Show : Galileo**
An interview between Bryant Gumble and Ed Stone regarding data received from Galileo's probe.
Audience: Gen.
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
Air check, not for general distribution
01/23/1996 - 0:06:00 Producer: NBC

AVC-1996-094-1/1 **A New View of the Universe Using the Hubble Space Telescope**
VTV-602
Dr. John Trauger presented 60 new views of the universe as seen from the Hubble Space Telescope.
Audience: Gen. Site: von Kármán

Client: Ed McNevin, Org. 182
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/08/1996 - 0:48:00 Producer: Beck

AVC-1996-096-1/1 **Visualization of Earth-Approaching Asteroids**
Orbits about Asteroid 4179 Toutatis (0:11:10)
Rotation of Asteroid 4179 Toutatis (0:06:00)
Impacts into Asteroid 4769 Castalia (0:02:16)
Orbits about Asteroid 4769 Castalia (0:18:18)
Audience: Tech.
Client: New Millennium Pgm.
Master: BCAMsp
Audio 1: Silent 2: Silent
02/23/1996 - 0:37:50 Producer: Eric De Jong

AVC-1996-099-1/1 **Magnetic Storms News Conference**
VTV-603 New findings that are beneficial to the telecommunications and power industries in preparing for huge geomagnetic storms are discussed. Participants include: Hugh Hudson, Douglas Hamilton, John Kappenman and Bruce Tsurutani, moderator
Audience: News Site: TV Studio
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/15/1996 - 0:27:09 Producer: Savona

AVC-1996-101-1/1 **Science Policy in a New Era**
Presented by Dr. Laurie Fathe, Assistant Professor of Physics at Occidental College.
Audience: JPL Site: 167
Client: Mina Flores
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/21/1996 - 0:52:30

AVC-1996-102-1/2 **Chapters in Aerospace History Interviews - Apollo M. O. Smith**
JPL retiree A. M. O. Smith is interviewed by Dr. Al Hibbs for the California Museum of Science and Industry's archives.
Audience: Gen. Resource Site: TV Studio
Client: Dr. Shirley Thomas
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/22/1996 - 1:28:50 Producer: Savona

AVC-1996-102-2/2 **Chapters in Aerospace History - A.M.O. Smith**
Part 2 of 2
Audience: Gen. Resource Site: TV Studio
Client: Dr. Shirley Thomas
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/22/1996 - 1:07:14 Producer: Savona

AVC-1996-106-1/1 **"Spotlight on JPL" - BETSCE,QWIP,IAE,Kidsat,NEAT,Fair,NSCAT**
The following programs were produced as segments for "Spotlight on JPL", a biweekly news program featuring JPL activities. This tape contains Brilliant Eyes Ten-Kelvin Sorption Cryocooler Experiment or BETSCE (4:24); Quantum Well Infrared Photodetector or QWIP(3:54; Inflatable Antenna Experiment or IAE(4:15); Kidsat (3:51) and Near Earth Asteroid Tracking or NEAT (3:04); San Fernando Valley Fair (3:34); NSCAT (3:45) and
Audience: JPL Site: JPL
Client: Stone/Alexander, Org. 180
Master: 1"C
Audio 1: Mono mix 2: Mono mix
02/27/1996 - 0:27:14 Producer: Savona

AVC-1996-111-1/1 **ESA/ISO First Results Press Conference**
Audience: Resource Site: Spain
Client: Mary Ellen Barba, Org. 7010
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/01/1996 - 1:00:46 Producer: ESA

AVC-1996-112-1/2 **Cassini RPW's - Reel 1**
Raw stock
Audience: Resource
Client: Mary Beth Murrill, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/16/1996 - 0:30:00

AVC-1996-112-2/2 **Cassini RPW's - Reel 2**
Raw stock
Audience: Resource
Client: Mary Beth Murrill, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/16/1996 - 0:30:00

AVC-1996-113-1/1 **Pluto - Hubble Space Telescope News Conference**
Dr. Alan Stern of Southwest Research Institute's Boulder, CO, revealed Hubble's snapshots of nearly the entire surface of Pluto, taken as the planet rotated through a 6.4-day period, show that Pluto is a complex object, with more large-scale contrast than any planet, except Earth.
The images also reveal almost a dozen distinctive albedo features, or provinces, none of which have ever been seen before. They include a "ragged" northern polar cap bisected by a dark strip, a bright spot seen rotating with the planet, a cluster of dark spots, and a bright linear marking that is intriguing the scientific team analyzing the images.
The images confirm the presence of icy-bright polar cap features, which had been inferred from indirect evidence for surface markings in the 1980s.
Audience: News Site: NASA Hq
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/07/1996 - 0:59:42 Producer: NASA Hq

AVC-1996-114-1/1 **JPL/AVIRIS California Gulch, CO Superfund Site Video File**
Short Video File discussing AVIRIS data being used to study the California Gulch Superfund site, located near Leadville, CO. This clip for NASA-TV contains raw interview segments, b-roll footage of the superfund site and b-roll footage of the AVIRIS instrument.
Audience: News
Client: PIO/McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/08/1996 - 0:09:28 Producer: Goldrich

AVC-1996-116-1/1 "**The Making of Apollo 13**"
VTV-608 Robert Legato a Visual Effects Supervisor takes us on a behind-the-scenes tour of the making of "Apollo 13". He presents film footage from the motion picture and a video showing the actual model that was built for the launch scene.
Audience: Gen. Site: von Kármán
Client: CMA, Org. 6100
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/11/1996 - 1:10:50 Producer: Savona

AVC-1996-118-1/1 **Kidsat Local Briefing**
Local press briefing on the KidSat program held in von Kármán Auditorium.
Audience: Gen.
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/12/1996 - 1:00:00 Producer: John Beck

AVC-1996-119-1/1 **KidSat News Conference**
Live to NASA TV KidSat News Conference held in von Kármán Auditorium.
Audience: Gen.
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/12/1996 - 0:30:00 Producer: John Beck

AVC-1996-120-1/3 **Kidsat STS-76 Mission Overview - Phase I**
Frank Culbertson - Acting Dir. Phase One Prog.
Valery Ryumin - Dir. RSC Energia
John Uri - MIR 21 Mission Scientist
Overview Speaker: Phil Engelaut, Lead Flight Dir.
7:30AM - 9:30
Audience: News Site: NASA TV
Client: Kidsat, Org. 1820
Master: sVHS
Audio 1: Mono mix 2: Mono mix
03/12/1996 - 1:36:30 Producer: NASA TV (Beck)

AVC-1996-120-2/3 **Kidsat STS-76 Crew News Conference, Videofile, and EVA Briefings**
Kevin Chilton, Commander - Rick Searfoss, Pilot
Ron Sega, Payload Comm. - Mission Specialists: Linda Godwin, Rich Clifford, Shannon Locid
EVA Briefings: Scott Bleisath, Lead EVA Officer - Gregg Stover, MEEP Project Manager
Audience: News Site: NASA TV
Client: Kidsat, Org. 1820
Master: sVHS
Audio 1: Mono mix 2: Mono mix
03/12/1996 - 2:00:00 Producer: NASA TV (Beck)

AVC-1996-120-3/3 **EVA Cont., Spacehab Briefing, Kidsat Briefing, Getaway Special Brief.**
Spacehab Briefing: Mike Lounge, Spacehab Shuttle/MIR Proj. MGR.
Kidsat Briefing/JPL

Getaway Special: Dr. Allan Tylka, TRIS Experiment
Co-Investigator - Charlie Knapp, GAS Technical MGR.
Audience: News Site: NASA TV
Client: Kidsat
Master: sVHS
Audio 1: Mono mix 2: Mono mix
03/12/1996 - 0:58:00 Producer: NASA TV (Beck)

AVC-1996-121-1/1
VTV-620

Preliminary Galileo Probe Mission Summary
Animations show spacecraft approach and probe release, probe entry, data return, detection of lightning, high speed winds, formation of planet and impacts of comets and asteroids.
Audience: Resource
Client: Ludwinski
Master: BCAMsp
Audio 1: Silent 2: Silent
03/07/1996 - 0:05:28 Producer: Goldrich

AVC-1996-122-1/1

Aorounga Crater Chain Video File for NASA TV
Video File segment for NASA TV, featuring Dr. Adriana Ocampo, discussing the origin and discovery of this multiple crater chain located in the country of Chad. SIR-C still images of the crater chain and footage of the SIR-C payload in the space shuttle are included.
Audience: Resource
Client: McNevin/PIO/NASA TV, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/18/1996 - 0:05:57 Producer: Goldrich

AVC-1996-123-1/1
VTV-610

1997 NASA Budget Press Briefing
Press Conference on the Fiscal year budget from NASA headquarters
Speaker: Administrator Daniel S. Goldin
Moderator: Laurie Boeder, Associate Admin.
Audience: News Site: NASA HQ
Client: PAO, Org. 1800
Master: sVHS
Audio 1: Mono mix 2: Mono mix
03/19/1996 - 0:50:00 Producer: NASA HQ

AVC-1996-124-1/1
VTV-611

NASA Space Camp - "The Ultimate Classroom"
Audience: Edu.
Client: Teresa Bryant, Org. 0920

Master: VHS
Audio 1: Mono mix 2: Mono mix
03/20/1996 - 0:15:00 Producer: Space Camp

AVC-1996-125-1/2 **Keck Observatory**
A New Window on the Universe - 12:38
JPL Keck B-Roll
SL9 Impact
Jerry Nelson Interview
Jerry Nelson (cont.) Hale Pahaku
Hale Puhaku (cont.) Mirrors - Tape bad 1/2 thru
Audience: Resource
Client: Mary Beth Murrill, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/25/1996 - 1:23:38

AVC-1996-125-2/2 **Keck Observatory**
Exteriors
Audience: Resource
Client: Mary Beth Murrill, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/25/1996 - 0:20:44

AVC-1996-127-1/1 **Probing the Atmosphere of Jupiter - Results of the Galileo Probe**
VTV-612 After a brief introduction by Project Manager, Bill O'Neil. Probe Scientist, Dr. Richard Young provides one of the first weather reports from Jupiter, using data returned by the Galileo Atmospheric Probe's plunge into Jupiter's vast and complex atmosphere in Dec. 1995. Q&A follows.
Audience: JPL Site: von Kármán
Client: Jan Ludwinski, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/26/1996 - 1:25:00 Producer: Savona

AVC-1996-128-1/1 **Galileo Flyby of Io and Io Cutaway Animations**
The first segment illustrates the spacecraft's flyby of Jupiter's moon Io. (30 seconds)
The second segment shows a cutaway of the interior of the moon Io revealing its iron core. (30 secs.)
Audience: Resource Site: Dana/Tufts
Client: Ludwinski/PIO, Org. 9500
Master: BCAMsp
Audio 1: Silent 2: Silent

Resource footage
03/27/1996 - 0:01:00 Producer: Savona

AVC-1996-130-1/1 **Galileo Io Science Results Video File**
Interviews with Galileo scientists discussing Io's core and Io's interaction with Jupiter's magnetosphere. Raw animations illustrating Galileo's flyby of Io and Io's central core. To be used for NASA TV Video File in conjunction with first Galileo orbiter science press release.
Audience: Resource
Client: PIO/McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/28/1996 - 0:09:45 Producer: Goldrich

AVC-1996-132-1/1 **Galileo Surface Map of Io**
A computer animation which displays the surface gravity map of Io as a series of color contours on a rotating globe of Io. The globe was created from a mosaic of Voyager images.
Audience: Resource Site: SSV
Client: Eric De Jong
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
05/03/1996 - 0:02:00 Producer: Eric De Jong

AVC-1996-133-1/1 **The Volcanic Deserts of Saudi Arabia**
A computer animation which simulates a flight over north-western Saudi Arabia. The animation was created using an image taken by the KidSat camera mounted on the Space Shuttle Atlantis on Flight STS-76.
Audience: Resource Site: SSV
Client: Eric De Jong
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/29/1996 - 0:02:35 Producer: Eric De Jong

AVC-1996-135-1/1 **Stardust Animation (Discovery Program)**
0:41 "The Stars & Beyond" animation w/narration describing the Lockheed Martin Astronautics Flight Systems' spacecraft for the NASA Discovery Program. Scheduled to launch in early 1999 to collect samples from Comet D-WILD-2 and particles beaming into the Solar System.
Raw source animation for above sequence:
0:34 Comet with coma.
0:34 Spacecraft over comet with coma background.

0:17 S/C over Earth ejecting collection capsule.
0:11 Capsule descending through atmosphere, Earth POV.
Audience: Resource
Client: Stardust/PIO, Org. 181
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/16/1996 - 0:04:00 Producer: Lockheed Martin

AVC-1996-136-1/1
VTV-666

Mars Pathfinder Animation
A complete computer-generated sequences illustrating a proposed mission to Mars using small, lightweight spacecraft. Includes launch, cruise, landing and the exploration of the surface of Mars.
Audience: Resource
Client: Mars Pathfinder, Org. 1510
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/18/1996 - 0:07:57 Producer: Dr. Cheick Diarra

AVC-1996-137-1/2

Chapters in Aerospace History - Dr. Albert Hibbs
JPL retiree Dr. Albert Hibbs is interviewed by Donna Shirley for the California Museum of Science and Industry's archives. Al Hibbs recounts his experiences from his early years at the lab to the present.
Audience: Gen. Site: TV Studio
Client: Dr. Shirley Thomas, Org. 182
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT: 2:22:45
04/04/1996 - 1:27:45 Producer: Savona

AVC-1996-137-2/2

Chapters in Aerospace History - Dr. Albert Hibbs
Part 2 of 2.
Audience: Gen. Site: TV Studio
Client: Dr. Shirley Thomas, Org. 182
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT: 2:22:45
04/04/1996 - 0:51:00 Producer: Savona

AVC-1996-138-1/1

Cassini Testing & Integration at JPL Compilation - Video File
Cassini S/C Integration Videofile & Raw Stock.1/29
Cassini RWP's Testing 2/16/96
High Gain Antenna Integration 7/21/95
Cassini/Huygens Test Model Interface Test 7/18/95
Propulsion Module Main Engine Assembly Test1/11/96

Cassini Shake Test 1/8/96
Audience: Resource
Client: Mary Beth Murrill
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/05/1996 - 0:56:00 Producer: Ziats

AVC-1996-139-1/1
VTV-614

"Where the Trends in National Science Policy are Headed."
Congressman George E. Brown talks about Science Policy for a CMA evening talk.
Audience: Gen. Site: von Kármán
Client: Mina Flores, Org. 6100
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/09/1996 - 1:05:00 Producer: Ziats

AVC-1996-140-1/1
VTV-615

Space Technology & the Discovery of the Lost City of Ubar
Dr. Ronald Blom co-discoverer of the lost city of Ubar gives a presentation on its discovery. This slideshow talk covered anecdotes and background on the Field trips to The Saudi Peninsula of Oman.
This is a CMA noontime briefing intro by Mina Flores.
Audience: Gen. Site: von Kármán
Client: Mina Flores, Org. 6100
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/11/1996 - 1:06:00 Producer: Borst

AVC-1996-142-1/1

Sir-C/X-SAR Great Wall of China Video File for NASA-TV
Video File material for NASA-TV discussing how Sir-C/X-SAR data are being used to study the Great Wall of China. Tape includes interview with Jeff Plaut, radar images of the Great Wall, raw footage of scientists in the field in China and footage of the Sir-C/X-SAR launch in April '94.
Audience: News
Client: PIO/McNevin/NASA
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/15/1996 - 0:08:05 Producer: Goldrich

AVC-1996-143-1/1

TOPEX/Poseidon Video File
Item #1: STS-1, 15th Anniversary footage commemorating first Shuttle flight.
Item #2: TOPEX/Poseidon Spacecraft Animation
Item #3: TOPEX El Nino Data Animation
Item #4: TOPEX/Poseidon El Nino Color Maps

Audience: Resource
Client: McNevin, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/12/1996 - 0:09:00 Producer: Borst

AVC-1996-145-1/1 **The Age of Space Flight - "Events, People, Thoughts"**
VTV-616 A CMA Evening Talk by Aleksandr Yu. Ishlinski of the Russian Academy of Sciences talks on his experiences with the Russian Space Agency since its inception. This talk has an introduction by former JPL Director, Dr. William H. Pickering.
Audience: Gen. Site: 167
Client: Roger Bourke, Org. 6100
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/18/1996 - 1:08:00

AVC-1996-146-1/5 **Galileo Jupiter Arrival Day**
Includes JPL/NASA television coverage of:
AVC-96-056 Galileo Arrival Day Opening Press Conf.
0:40:52
AVC-96-050 Galileo Probe Descent Overview
2:00:00
AVC-96-051 Galileo Orbit Insertion Overview
1:30:00
AVC-96-058 Galileo Arrival Day Closing Press Conf.
1:04:29
Audience: Gen. Site: JPL
Client: M. Hine, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/1995 - 5:13:00 Producer: JPL A/V

AVC-1996-147-1/1 **NEAT Video File for NASA TV**
Video file elements for the Near Earth Asteroid Tracking developed at JPL. Clips include interviews with Dr. Eleanor Helin and Steven Pravdo, members of the NEAT team at JPL. Stills of USAF station in Hawaii and resource animation of asteroids are included in this package.
Audience: NASA
Client: NASA TV
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/22/1996 - 0:10:42 Producer: Mc Nevin

AVC-1996-152-1/1 **STS-77 Pre-Flight Briefing Spartan 207/Inflatable Antenna Experiment**
VTV-621 STS-77 Pre-Flight Briefing with Mark Steiner, Spartan 207 Mission Manager; Dr. Steven Bard, IAE Project Manager/Jet Propulsion Laboratory; Gordon Veal, Principal Investigator/L'Garde
Audience: News Site: Goddard
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/30/1996 - 0:39:00 Producer: NASA TV

AVC-1996-153-1/1 **STS-77 Pre-Flight Briefing of BETSCE**
Pre-Flight Briefing with Dr. Steven Bard, BETSCE Project Manager/Jet Propulsion Laboratory. Brilliant Eyes Ten-Kelvin Sorption Cryocooler Experiment or BETSCE will launch in May 1996.
Audience: News Site: Goddard
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/30/1996 - 0:10:16

AVC-1996-156-1/1 **NSCAT In Japan**
B-Roll of the Instrument.
ADEOS Shot (March 1995 through April 1996)
By NASDA Tokyo
Audience: Resource Site: Tokyo
Client: Mary Hardin, Org. 7830
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/01/1996 - 1:00:59 Producer: NASDA Tokyo

AVC-1996-158-1/1 **Keck II Dedication Video File for NASA-TV**
Video File for NASA-TV to be used in support of the dedication of the Keck II observatory on May 8,1996. Segments include an interview with Dr. Edward Stone, resource footage of the Keck facility and galaxies and nebulas as viewed by the Keck observatory.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/02/1996 - 0:08:55

AVC-1996-159-1/1 **Ion Engine Testing Video File for NASA-TV**
Video File segment for NASA-TV showing the NSTAR 8,000 hour

Ion engine test at JPL. Includes an interview with Jay Polk, advanced propulsion technology group, footage of the Ion engine being operated in a vacuum chamber at JPL and animation depicting a futuristic anti-matter propelled spacecraft flying towards the Orion Nebula.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/02/1996 - 0:06:12

AVC-1996-162-1/1 **Mobile Underwater Debris Survey System Video File for NASA-TV**
Video File production on the MUDSS system, a joint program between the U.S. Navy and JPL to detect unexploded ordnance at weapon testing ranges. Includes interview with Dr. Tien Hsin Chao, task manager of MUDSS, and animation and data depicting how the system will work.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/06/1996 - 0:09:25

AVC-1996-163-1/1 **NASA TV Video File**
Interview - Dr. Margaret Kivelson, Galileo Team Leader. Description of how data from Galileo has revealed new information about Jupiter and Io's magnetic field.
Replay - A New Look At The Sun
A Downlink
Audience: Resource
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/03/1996 -12:00:00 Producer: Hanchett

AVC-1996-164-1/1 **The Role of Penetrators in Sample-Return Missions**
VTV-622
This program covers two potential applications for sample-return missions. Inexpensive landers in the form of penetrators, can collect both surface and sub-surface samples and prepare them for Earth return. This lecture is presented by William V. Boynton, Professor of Planetary Sciences.
Audience: Tech. Site: von Kármán
Client: Suzanne D'Mello
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
05/06/1996 - 1:00:00 Producer: Beck

AVC-1996-165-1/1 **Mars Pathfinder Resource Compilation**
This tape contains the best of raw footage from assembly to launch for the Mars Pathfinder mission.
Audience: Resource
Client: Skip McNevin, Org. 1810
Master: BCAMsp
Audio 1: mono 2: mono
11/13/1996 - 1:03:00 Producer: Beck

AVC-1996-166-1/1 **Space Science in the 21st Century**
VTV-623 Directors Topical Seminar Series
Professor Freeman Dyson gives lecture on three advanced launch systems that give us radically cheaper access to space.
Audience: Tech. Site: von Kármán
Client: Edward NG
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/09/1996 - 1:08:00 Producer: Beck

AVC-1996-175-1/1 **"A Tour of the Solar System"**
Computer animation of a journey through the solar system, starting from the Sun and passing by all the planets. Three versions, at 25, 35 and 45 seconds. Created by Dana Berry.
Audience:
Client: JPL
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
05/16/1996 - 0:02:00

AVC-1996-176-1/1 **SIR-C - Flyover of the Rocky Mountains of Montana**
A simulated flight over the Rocky Mountains of Montana using a three-dimensional map constructed from SIR-C radar observations.
Audience: Resource
Client: Mona Jasnow/De Jong
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
05/16/1996 - 0:01:58 Producer: Savona

AVC-1996-177-1/1 **TOPEX/Poseidon Buoys Video File**
This Video File contains interviews with the project scientist and students about their work with tracking buoys

for the TOPEX/Poseidon satellite. Also includes B-roll and animation.
Audience: News
Client: DeCharon/NASA-TV
Master: M-II Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/16/1996 - 0:07:40 Producer: Goldrich

AVC-1996-178-1/1 **STS-77 Day 2 Highlights Compilation Tape (Inflatable Antenna)**
Mission Video File 25:00
Mission Update with Pat Ryan - 12:00
Guest: Mark Steiner - Spartan 207/IAE
Mission Manager
Raw Views of Inflatable Antenna Deployment with Astronaut John Casper Commander STS-77
Audience: Gen. Site: NASA Select
Client: Ed McNevin, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/20/1996 - 1:00:00 Producer: McNevin

AVC-1996-179-1/1 **Cassini Fly Your Name to Saturn - Video File**
Short Video File production on the "Fly Your Name to Saturn" opportunity sponsored by JPL and The Planetary Society. Clip includes an interview with Dave Hagie of The Planetary Society and b-roll footage of volunteers processing signature submissions.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/21/1996 - 0:04:41 Producer: Goldrich

AVC-1996-180-1/1 **New Millennium-DS2 Mars Micropenetrator Video File for NASA-TV**
Video File production on the flight opportunity for the Mars micropenetrators, developed by the New Millennium program at JPL. Includes interviews with Sarah Gavitt and Sue Smrekar and animation depicting the deployment and impact of the micropenetrators on Mars.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/21/1996 - 0:06:17 Producer: Goldrich

AVC-1996-182-1/1 **RTG's: Powering Space Exploration into the 21st Century**

An edited production explaining the use of RTGs by robotic spacecraft in interplanetary exploration.
Audience: Gen. Site: JPL
Client: McNevin, Org. 1810
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/22/1996 - 0:09:50 Producer: Semerano

AVC-1996-183-1/1 **The Crab Nebula: The Movie (VISUALS ONLY)**
A video news release from Space Telescope Science Institute.
Visuals only
Audience: News Site: Maryland
Client: Jurrie Van der Woude, Org. 1810
Master: BCAMsp
Audio 1: Mono mi 2: Mono mix
05/30/1996 - 0:08:11 Producer: STSI

AVC-1996-193-1/1 **Galileo Ganymede-1 Encounter Video File for NASA-TV**
Video File segment developed prior to the Galileo encounter with Ganymede on June 26, 1996. Tape includes interview with Dr. Torrence Johnson, Galileo Project Scientist, animation depicting Galileo's flyby of Ganymede, simulated views of the surface of Ganymede based on Voyager data, and stills of Ganymede from Voyager.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/21/1996 - 0:10:22 Producer: Goldrich

AVC-1996-195-1/1 **Galileo - Ganymede Encounter - G1 orbit computer animation**
A computer animation illustrating closest approach to Jupiter's moon Ganymede. One second of video displays one hour of the events taking place from June 25, 1996, at 23:29 PDT to June 27, 1996, at 23:29 PDT. On June 26, 1996, at 23:29 PDT the spacecraft will at closest approach to Ganymede.
Audience: Resource Site: JPL
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
06/24/1996 - 0:00:47 Producer: De Jong

AVC-1996-196-1/1 **Galileo - Ganymede Encounter - Spacecraft & Satellite Positioning**
A computer animation illustrating the relative location of

the spacecraft, Jupiter and its moons during the G1 encounter period. One second of video displays two hours of the events taking place from June 24, 1996, at 23:29 PDT to June 28, 1996, at 23:29 PDT.
Audience: Resource
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
06/24/1996 - 0:00:55 Producer: De Jong

AVC-1996-197-1/1 **Video Wall-Exploration of Solar System & Robotic Sampler**
Edited production for a video wall depicting the planets and universe based on some of the most recently acquired NASA images to date. No narration. Both shows can be viewed single screen.
Audience: Gen.
Client: Alexander/Bridges
Master: 1"C Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
06/25/1996 - 0:12:00 Producer: Semerano

AVC-1996-198-1/1 **Andy Thomas Visit to JPL**
VTV-632
Former JPL employee, Andy Thomas, Mission Specialist on STS-77, narrated a video of the activates aboard Endeavor during its 10-day mission.
Audience: Gen. Site: von Kármán
Client: PAO, Org. 180
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/24/1996 - 0:56:00 Producer: Beck

AVC-1996-199-1/2 **Galileo - Ganymede Family Night**
Coverage of closest approach of the Galileo spacecraft's encounter with Jupiter's moon Ganymede as observed by the Galileo team and their family and friends.
Part 1 of 2: TRT - 01:58:00
Audience: JPL Site: von Kármán
Client: Maynard Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/26/1996 - 1:30:00 Producer: Savona

AVC-1996-199-2/2 **Galileo - Ganymede Family Night**
Part 2 of 2: TRT - 01:58:00
Audience: JPL Site: von Kármán
Client: Maynard Hine

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/26/1996 - 0:28:00 Producer: Savona

AVC-1996-201-1/1 **Vice President Gore's Announcement of X-33 Builder**
VTV-629 V.P. Al Gore announcing, outside bldg. 180, the winning contractor for the development of the X-33 SSTO vehicle. Included is an introduction by NASA Administrator Dan Goldin.
Audience: News Site: JPL Mall
Client: NASA Public Affairs
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/02/1996 - 0:23:10 Producer: Savona

AVC-1996-202-1/1 **X-33 Press Conference with NASA Administrator Dan Goldin & Gary Payton**
VTV-630 Dan Goldin and RLV Director Gary Payton discuss the X-33 project and its winning builder, and answer questions from local and national media, as well as from other NASA centers. Included at the end is V.P. Gore's award announcement and animation of the winning design.
Audience: News Site: von Kármán
Client: NASA Public Affairs
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/02/1996 - 0:59:57 Producer: Savona

AVC-1996-204-1/1 **X-33 Concept Animation**
Animations from NASA Video File depicting the three contenders for the X-33 RLV spacecraft. Animation #2 from Lockheed was the winning design, as announced by Vice President Al Gore, at JPL.
Audience: Gen.
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
07/02/1996 - 0:07:22 Producer: NASA-TV

AVC-1996-205-1/1 **Galileo Ganymede Press Briefing Video File for NASA-TV**
Video File elements used in support of the Galileo Ganymede first encounter press briefing, held July 10, 1996. Includes first image of Uruk Sulcus, zoom-in animation onto Ganymede, using Voyager and Galileo data, and animation depicting Galileo's detection of a magnetosphere surrounding Ganymede.
Audience: News

Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/1996 - 0:05:29 Producer: Goldrich

AVC-1996-206-1/1
VTV-634

Science Briefing to the Galileo Flight Team
An evaluation of Science Data by the Galileo Flight Team.
Audience: Resource Site: JPL
Client: Maynard Hine, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/10/1996 - 1:30:00 Producer: Beck

AVC-1996-207-1/1
VTV-635

Galileo Science Update - First Ganymede Encounter Pictures & Results
David Seidel moderates a science discussion of Galileo's first encounter with Jupiter's moon Ganymede. Participants include: Dr. Jim Head, Dr. Bob Pappalardo, Dr. Torrence Johnson and Bill O'Neil.
Audience: News Site: von Kármán
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/10/1996 - 1:00:00 Producer: Savona

AVC-1996-210-1/1

Shuttle Radar Topography Mapper (SRTM) Computer Animation
The first segment shows an icon of the shuttle & antenna to illustrate the shuttle's orbit. Next segment we see the radar instrument. The last segment a yellow ellipse emanates from the antenna mounted in the shuttle's bay representing the signal from the C-band antenna.
Audience: Resource
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
06/27/1996 - 0:03:18

AVC-1996-211-1/1

Space Science Update - "Pluto"
Space Science Update featuring new images of the distant planet Pluto, providing the highest detail of the icy bodies surface as seen using the Hubble Space Telescope. Hosted by Steve Maran of the Goddard Space Flight Center.
Audience: News Site: NASA HQ
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

03/07/1996 - 0:56:44 Producer: NASA

AVC-1996-212-1/1 **Space Science Update - "Measuring the Universe"**
Space Science Update featuring a discussion on the relative age of out universe, and Hubble's increased capability to characterize the age of our solar system and surrounding universe. Hosted by Steve Moaran of the Goddard Space Flight Center.
Audience: News Site: NASA HQ
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/09/1996 - 1:09:47 Producer: NASA

AVC-1996-213-1/1 **Space Science Update - "Crab Nebula: The Movie"**
Space Science Update featuring a discussion and animations on the Crab Nebula based on recent observations made using the Hubble Space Telescope. Hosted by Steve Maran of the Goddard Space Flight Center.
Audience: News Site: NASA HQ
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/30/1996 - 0:39:10 Producer: NASA

AVC-1996-218-1/1 **Galileo's Encounter Computer Animation Collection**
Computer animation simulations of the Galileo spacecraft encounter with Ganymede, Europa and Jupiter's Great Red Spot.
Spacecraft Closest Approach to Ganymede - :48
Spacecraft & Satellite Positions - :34
Magnetic Field Measurements - :35
Simulated Flight Over Uruk Sulcus - 1:15
Zoom into Uruk Sulcus - :44
Zoom into Europa - 1:23
Rotation of Jupiter and Blinking GRS - 1:35
Audience: Resource Site: DIAL
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
07/18/1996 - 0:12:06 Producer: Savona

AVC-1996-222-1/1 **Mission: MARS**
VTV-647 A look back at the Viking Mars missions and a look forward to our return to the red planet. Includes the Viking Mars Lander with first color photograph, 1976; Mars

Global Surveyor; Mars '98 Orbiter; Mars '98 Lander
Audience: Gen.
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono Mixed 2: Mono Mixed
Copyright by Lockheed Martin Astronautics
09/24/1996 - 0:12:00 Producer: Lockheed Martin

AVC-1996-231-1/1 **Mars Penetrator and Deep Space 1 Animations**
Short animations showing the impact of surface penetrators on Mars and the DSO spacecraft encountering both an asteroid and a comet.
Audience: Resource
Client: Ed McNevin
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/06/1996 - 0:06:15 Producer: Semerano

AVC-1996-232-1/1 **NSCAT Pre-Launch Video File for NASA-TV**
Video File package for NASA-TV to be used in conjunction with the launch of the NSCAT instrument onboard the Japanese ADEOS satellite in August. Features interview with Jim Graf, NSCAT Project Manager as well as footage of the s/c, animation depicting launch and examples of anticipated NSCAT data.
Audience: News
Client: PIO/NASA-TV/McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/06/1996 - 0:09:32 Producer: Goldrich

AVC-1996-233-1/1 **Mars Precision Landing Animation**
This computer animation illustrates a typical Mars mission sequence. Includes aero-maneuvering and precision soft landing.
Audience: Resource Site: DIAL
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
08/07/1996 - 0:02:31 Producer: Savona

AVC-1996-234-1/2 **NASA HQ Briefing: Discovery of Possible Early Martian Life**
VTV-638 News conference from NASA headquarters on findings showing strong circumstantial evidence of possible early Martian Life, including microfossil remains found in a Martian meteorite.

Speakers:
Dan Goldin, NASA Administrator; Dr. Wesley Huntress Jr. NASA Assoc. Administrator for Space Science; Dr. David McKay, principal author, JSC; Dr. Everett Gibson, JSC; Dr. Richard N. Zare, Professor of Chemistry, Stanford U.; Kathy Thomas-Keprta, Lockheed-Martin, JSC; and Dr. William Schopf, Professor, Dept. of Earth and Space Sciences, UCLA.
Q&A at end plus B-roll of images.
Audience: News Site: NASA HQ
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT: 2:13:00
08/07/1996 - 1:30:00 Producer: NASA HQ

AVC-1996-234-2/2 **NASA HQ Briefing: Discovery of Possible Early Martian Life**
VTV-638 Part 2
Q&A and B-roll of images.
Audience: News Site: NASA HQ
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT: 2:13:00
08/07/1996 - 0:43:45 Producer: NASA HQ

AVC-1996-235-1/1 **Mars Mission Animation Compilation**
VTV-668 1) Mars Global Surveyor- 5:42
2) Mars Pathfinder Animation- 7:57
3) Mars the Movie- 5:30
4) Mars Precision Landing Animation- 2:30
5) Mars Global Surveyor Deployment Animation-1:09
Audience: Resource
Client: PIO/McNevin, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/07/1996 - 0:23:47 Producer: Ziats

AVC-1996-236-1/1 **KIDSAT: Flyovers & STS-76 Mission Coverage**
Audience: Resource
Client: Jobea Way
Master: VHS
Audio 1: Mono mix 2: Mono mix
08/08/1996 - 1:17:04 Producer: Beck

AVC-1996-238-1/1 **ACW Presents "A Personal Voyage"**
Astronaut Candidate Stephanie Wilson tells of her

experiences in the astronaut training program as well as her work on the Galileo spacecraft to a small group of students from the Pasadena & Los Angeles school districts.
Audience: Edu.
Client: J. Mills
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/12/1996 - 0:16:00 Producer: Beck

AVC-1996-240-1/1 **Galileo Science Team Briefing #2**
Detailed Science presentations from the Galileo Science Team prior to the 8-13-96 Press Conference.
Audience: JPL Site: von Kármán
Client: M. Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/12/1996 - 1:30:00 Producer: Beck

AVC-1996-242-1/1 **Galileo Science Update-Observing Changes on Europa & Jupiter's System**
VTV-640
David Seidel moderates a science discussion of Galileo's latest images of Europa, Io and Jupiter.
Participants include: Dr. Ronald Greeley, Dr. Alfred McEwen, Dr. Diana Blaney and Dr. Andy Ingersoll.
Audience: News Site: von Kármán
Client: PIO
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/13/1996 - 0:59:15 Producer: Savona

AVC-1996-243-1/1 **Galileo Observing Changes on Europa and in Jupiter's System Video File**

Video File elements for NASA-TV used in conjunction with the Galileo Science Update on August 13, 1996. Footage includes a two-dimensional pan of Europa's surface using Galileo imaging data, time-lapse animation of the Great Red Spot using images taken 70 minutes apart, and still images of Jupiter's moon Io (showing a volcanic plume), Europa's surface, and the Great Red Spot.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/12/1996 - 0:04:50 Producer: Goldrich

AVC-1996-244-1/1 **NASDA/ADEOS (NSCAT) Launch from Japan and Replays**

VTV-642 Edited version of Launch of NASDA/ADEOS Satellites (NASA Scatterometer) aboard Japanese Rocket from Tanegashima Space Center. Satellite transmission recorded August 16. Includes outside view of launch.
Audience: Gen. Site: vK
Client: Mary Hardin, Org. 181
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/16/1996 - 0:28:00 Producer: Borst

AVC-1996-247-1/2 **NSCAT LAUNCH B-ROLL**
Unedited views of people watching the launch of NSCAT in von Kármán Auditorium on August 16, 1996.
Audience: News Resource Site: JPL
Client: Seidel/Lievense
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/16/1996 - 0:20:00 Producer: Semerano

AVC-1996-247-2/2 **NSCAT LAUNCH B-ROLL**
Isolated fixed views of guests speaking during the launch of NSCAT in von Kármán Auditorium on August 16, 1996.
Audience: News Resource Site: von Kármán Aud.
Client: Seidel/Lievense
Master: M-II
Audio 1: Mono mix 2: Mono mix
08/16/1996 - 1:30:00 Producer: Semerano

AVC-1996-248-1/1 **Looking for Signs of Martian Life Video file for NASA-TV**
NASA TV video file B-roll and animations
Audience: Gen. Site: JPL
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/08/1996 - 0:18:44 Producer: Ziats

AVC-1996-249-1/1 **Mars Global Surveyor Arrival & Transfer to PHSF Video file for NASA-TV**
Video file from NASA TV
Audience: News Resource
Client: PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/14/1996 - 0:17:04 Producer: Ziats

AVC-1996-252-1/1 **Searching for Life in the Ancient Water Systems of Mars**

VTV-643 JPL's Public Affairs Office presentation
Speaker: Dr. Michael Carr, United States Geological Survey.
A two camera videotaping in von Kármán Auditorium.
Audience: Gen. Site: von Kármán Aud.
Client: PAO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/22/1996 - 1:07:54 Producer: Beck

AVC-1996-253-1/1 **Toys in Space**
VTV-980 A series of segments with shuttle astronauts describing and demonstrating the physical properties and reactions of certain children's toys operating in the microgravity environment of space.
Audience: Gen. Edu.
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/23/1996 - 1:01:22 Producer: NASA

AVC-1996-255-1/1 **Galileo Ganymede-2 Encounter Video File for NASA-TV**
Video File elements used in support of the Galileo's second encounter with Ganymede on Sept. 6, 1996. Includes interviews with Brian Paczkowski and William O'Neil, and features animation products developed from Galileo's first flyby of Ganymede on June 27, 1996.
Audience: News Resource
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/30/1996 - 0:12:52 Producer: Goldrich

AVC-1996-256-1/1 **Ganymede G2 Encounter & Spacecraft and Satellite Positioning Animation**
Computer animation displays closest approach and Spacecraft and Satellite Positioning of the Galileo mission.
Descriptions precede each animation.
Audience: Resource
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
09/04/1996 - 0:04:04

AVC-1996-258-1/1 **Galileo Animation Compilation**
Contains Earth 1 Rotation, Earth Moon Conjunction, Probe Release and Entry, Ganymede 1 Encounter Results, Jupiter

Orbital Tour
-Contains Music and Natural Sound
Audience: Edu.
Client: M. Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/05/1996 - 0:07:45 Producer: Beck

AVC-1996-260-1/1 **Pluto Express Trajectory Animation**
Various views of the Pluto Express trajectory and a view of the spacecraft revolving about it's center point. Produced for inserting into a Discovery Channel program.
Audience: Resource Site: 179 FST
Client: Patti Koenig
Master: BCAMsp
Audio 1: silent 2: silent
Raw footage
09/12/1996 - 0:22:02 Producer: Hanchett

AVC-1996-261-1/1 **SGM - Second Generation Microspacecraft**
This video gives a brief overview of a highly autonomous spacecraft, adaptable for a variety of missions and describes it's principal technologies, instrument simulation and mission visualization.
Audience: Tech.
Client: C. Satter
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/15/1996 - 0:15:00 Producer: Satter/Beck

AVC-1996-262-1/1 **Light and Dexterous Robots for In Situ Planetary Science**
An edited production demonstrating a new composite robot arm technology for Mars surface science.
Audience: Tech. Site: 277 & 107
Client: Paul Schenker, Org. 3540
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1996 - 0:05:38 Producer: Savona

AVC-1996-265-1/1 **Cassini Spacecraft Stacking - Video File**
B-roll footage of Cassini assembly and stacking activities conducted on Saturday, September, 14 and Friday, September, 20, 1996 in the Spacecraft Assembly Facility at the Jet Propulsion Laboratory. (Natural Sound)
Audience: News Resource
Client: McNevin/PIO/NASA-TV

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/23/1996 - 0:16:13 Producer: Goldrich

AVC-1996-267-1/1 **Robot Assisted Micro Surgery - RAMS**
An edited program describing FY 96 accomplishments of the Robot Assisted Micro Surgery task.
Audience: Tech. Site: 198 B6
Client: Hari Das, Org. 345
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/25/1996 - 0:06:08 Producer: Savona

AVC-1996-270-1/1 **Mars Global Surveyor Resource Compilation**
Includes:
MGS "Surveying the Martian World"-5:40, Hoist-3:24; Spin Test-2:37; Unloading-1:55; Uncanning-2:08; Camera Installed-4:48; Move to
alignment stand-1:28; Blanket Install-1:22;
Solar Panel Install-2:16; Rocket Motor Install-:50;
Encapsulation-2:31; MGS Erection at Launch Complex 17a-4:15; Launch from -2:00 to 3:00- 5:08; MGS Tracking Station- 3:23; MGS Deployment Animation-1:09.
Audience: JPL NASA Resource
Client: Skip McNevin, Org. 1810
Master: BCAMsp
Audio 1: mono 2: mono
05/07/1996 - 0:46:00 Producer: Beck

AVC-1997-004-1/1 **NSCAT B-Roll**
NASA TV Video File showed animation, images and an interview highlighting the first results from NASA Scatterometer (NSCAT) instrument aboard Japan's Advanced Earth Observing Satellite (ADSEOS). NSCAT was launched aboard ADEOS last August and sent back these first images in September showing ocean surface wind speeds as well dramatic views of Typhoons Tom and Violet. For more information contact Doug Isbell at (202) 358-1753.
1. Jim Graf Interview (Audio Mix Ch. 1 & 2)
2. Interpolated Wind Field - Pacific (MOS)
3. Interpolated Wind Field - West Pacific (MOS)
4. Typhoons Violet & Tom (MOS)
5. NSCAT Launch (Audio mix Ch. 1 & 2)
6. NSCAT Animation (MOS)
Audience: JPL Resource
Client: PIO/McNevin

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/01/1996 - 0:11:30 Producer: Photo Lab

AVC-1997-005-1/1 **Lightweight Rovers for Planetary Science**
An edited production discussing the development of the Lightweight Survivable Rover (LSR-1) technology, a concept for replacing the heavier and larger volume Sojourner series of rovers currently being flown on Mars missions.
Audience: Tech.
Client: Paul Schenker
Master: 1"C Submaster: BCAMsp
Audio 1: Mono Mix 2: Mono mix
10/02/1996 - 0:05:00 Producer: Goldrich

AVC-1997-006-1/1 **Exploration of Small Bodies - RTOP**
This tape contains an ADAMS simulation of a 3-legged comet lander. Simulations include landing on +45 deg. surface, -45 deg. surface and flat surface.
Audience: Tech.
Client: R. Linderman
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/03/1996 - 0:07:00 Producer: Beck

AVC-1997-007-1/1 **Real-Time Collision Avoidance for Dexterous 7-DOF Arms**
This edited production describes the NASA-Ranger Telerobotic Flight Experiment, aimed at the development and demonstration of robotics technologies for executing manipulation tasks in space.
Audience: Tech.
Client: Bon/Seraji
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/07/1996 - 0:05:34 Producer: Goldrich

AVC-1997-010-1/1 **Long Range Science Rover**
An edited production showing Rocky VII performing science operations in the Mars yard at JPL. Included is a demonstration of a new Mast System developed for the rover.
Audience: Tech.
Client: Paul Backes
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/10/1996 - 0:11:45 Producer: Semerano

AVC-1997-011-1/1 **Ranger Surface Inspection**
An edited production showing how the Earth orbiting Ranger Spacecraft will perform tasks in orbit utilizing telerobotic technologies.
Audience: Tech.
Client: Eugene Chalfant
Master: 1"C Submaster: BCAMsp
Audio 1: Mono Mix 2: Mono Mix
10/10/1996 - 0:06:45 Producer: Semerano

AVC-1997-013-1/1 **Cassini/Huygens Probe Mock-up Installation - Video File**
B-roll of the installation of a mock-up of the ESA-built Huygens probe in bldg. 179 at JPL on Friday, October 11, 1996.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/14/1996 - 0:05:49 Producer: Goldrich

AVC-1997-014-1/1 **NASA Administrator Dan Goldin Briefing on Future Mars Missions**
NASA Administrator Dan Goldin speaking on the NASA vision for future Mars robotic exploration and, specifically, Mars Global Surveyor & Mars Pathfinder set to launch in 1996. Laurie Boeder of NASA Public Affairs moderates Q & A. 23:26 Video File follows 24:05 with B-Roll footage.
Audience: Gen. News Site: NASA HQ
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/16/1996 - 0:47:31 Producer: HQ/Borst

AVC-1997-015-1/2 **Mars Global Surveyor and Mars Pathfinder Mission Briefing**
VTV-652 Doug Isbell NASA Public Affairs moderates a briefing about the upcoming missions to Mars. Panelists are Dr. Wesley Huntress NASA Associate Administrator for Space Science; Dr. Michael Carr USGS; Glenn Cunningham MGS Project Man.; Dr. Arden Albee MGS Proj. Scientist; Anthony Spear Mars Pathfinder Proj. Man.; Dr. Matthew Golombeck Mars Pathfinder Proj. Scientist. Question and Answers with press follows briefing.
Audience: Gen. Resource Site: NASA HQ
Client: PIO/McNevin, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT - 1:53:00

10/16/1996 - 1:33:00 Producer: HQ(Borst)

AVC-1997-015-2/2
VTV-652

Mars Global Surveyor and Mars Pathfinder Mission Briefing
Part 2 of 2
Audience: Gen. Resource Site: NASA HQ
Client: PIO/McNevin, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT - 1:53:00
10/16/1996 - 0:20:00 Producer: HQ (Borst)

AVC-1997-016-1/1

Exploration of Small Bodies - Fiscal 1996 Accomplishments
This program gives an overview of the prototype compact drill and sampling mechanism as well as demonstrates the landing performance of the 3-legged comet lander. The drill and lander are the two primary goals of the Exploration of Small Bodies Task.
Audience: Tech.
Client: D. Sevilla
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/16/1996 - 0:07:00 Producer: Beck

AVC-1997-020-1/1

Galileo DPS Briefing Results Video File For NASA-TV
Elements which coincide with the Division of Planetary Sciences meeting and press briefing held in Tucson, Arizona on October 24, 1996. Includes interviews with Torrence Johnson and Dr. Scott Bolton and features animation and still images of Ganymede, Io, and Jupiter's Great Red Spot.
Audience: News Resource
Client: McNevin/PIO/NASA-TV
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/22/1996 - 0:21:45 Producer: Goldrich

AVC-1997-023-1/1
VTV-653

CMA - "The Future Exploration of Mars"
Bruce Murray and Donna Shirley briefly describe the current status of Mars exploration and the possible future directions within the current program. Also discussed is the rationale for - as well as the political and fiscal realities involved with exploring Mars in the future.
Audience: JPL Site: von Kármán
Client: Mina Flores
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
Q and A follows

10/25/1996 - 0:54:50 Producer: Savona

AVC-1997-034-1/1 **Mars Global Surveyor L-1 Pre-Launch Press Briefing**
Pre-Launch Briefing from KSC 48:20
Panelists:
Wes Huntress - Assoc. Admin. Space Science NASA;
Floyd Curington - NASA Launch Manager KSC;
David Mitchell - Launch Service Manager GSFC;
Rich Murray - Flight Dir. MacDonell Douglas;
Glenn Cunningham - Mission Dir/Proj. Manager, JPL;
Bud McAnally - Project Manager, Lockheed Martin;
Joel Tumbiolo - Launch Weather Officer, USAF;
Video File Follows 22:15
Audience: News Site: KSC
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/05/1996 - 1:08:00 Producer: KSC

AVC-1997-035-1/1 **Mars Global Surveyor Post-Launch Press Conference**
From KSC in Florida, the conference reiterates the state of good health of MGS, approximately 2 hrs. after launch. Also included on this tape, following the conference, is Mars missions videofiles from NASA-TV.
Audience: News Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/07/1996 - 0:18:23 Producer: KSC

AVC-1997-038-1/1 **GPS Earthquake Monitoring Video File for NASA-TV**
News feed elements highlighting JPL's use of Global Positioning Satellite receivers to track and monitor earthquakes. Includes an interview with Dr. Andrea Donnellan, B-Roll of a GPS receiver at Azusa High School and animation of Global Positioning Satellites.
Audience: News Resource
Client: Mc Nevin/PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/28/1996 - 0:03:56 Producer: Goldrich

AVC-1997-040-1/1 **KCAL-TV Uses QWIP Camera - Video File for NASA-TV**
KCAL-TV, Ch.9 in Los Angeles, uses the QWIP camera to locate hot spots during their live news coverage of the Malibu Fires.

Audience: Resource
Client: Skip McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/1996 - 0:07:15 Producer: John Beck

AVC-1997-041-1/1 **MGS Media Clips**
The Mars Global Surveyor spacecraft
1) B-roll of final processing (12:00)
2) "Mission: Mars" (12:00)
Audience: News Resource
Client: McNevin-PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/28/1996 - 0:25:00 Producer: Lockheed Martin

AVC-1997-045-1/1 **Mars Global Surveyor Launch Footage**
MGS is launched from a Delta II rocket from the Cape. Its journey to Mars begins a two year mission to map the entire planet.
Launch is at 17:40.
Audience: Resource Site: Cape
Client: Glenn Cunningham
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/07/1996 - 0:30:00

AVC-1997-046-1/1 **Mars Global Surveyor Post Launch Footage**
Post launch footage of anticipation of spacecraft second and third stage separations.
Audience: Resource Site: Cape
Client: Glenn Cunningham
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/07/1996 - 0:20:00

AVC-1997-048-1/3 **Mars Global Surveyor Launch Coverage from NASA TV**
VTV-667 Satellite Downlink
Audience: NASA Resource Site: KSC
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
11/07/1996 - 2:00:00 Producer: KSC

AVC-1997-048-2/3 **Mars Global Surveyor Launch Coverage from NASA TV**
Satellite Downlink

Audience: NASA Resource Site: KSC
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
11/07/1996 - 0:00:00 Producer: KSC

AVC-1997-048-3/3 **Mars Global Surveyor Launch Coverage from NASA TV**
VTV-667 Satellite Downlink
Audience: NASA Resource Site: KSC
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
11/07/1996 - 0:24:00 Producer: KSC

AVC-1997-053-1/1 **Galileo Animation Compilation #2**
Earth 1 Rotation, Earth Moon Conjunction, Probe Release and Entry, Ganymede Flyover, Callisto 3 Trajectory, Orbital Tour
Audience: Resource
Client: Maynard Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/18/1996 - 0:07:13 Producer: Savona

AVC-1997-054-1/1 **Galileo Animation Compilation #3**
Earth 1 Rotation, Earth Moon Conjunction, Probe Release and Entry & Relay, Jupiter and Red Spot, Ganymede flyover, PWS Whistler, Ganymede 1 Encounter, Ganymede encounter trajectory (Beach Balls), Callisto 3 Trajectory, Orbital Tour
Audience: Resource
Client: Maynard Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/19/1996 - 0:08:47 Producer: Savona

AVC-1997-055-1/2 **Galileo Educators Conference**
Galileo personnel lecture and demonstrate activities to educators for classroom enrichment.
Speakers:
Bill O'Neil, Project Manager;
Torrance Johnson Project Scientist
Audience: Edu. Site: von Kármán
Client: Rebecca Westbrook, Org. 311
Master: sVHS
Audio 1: Mono mix 2: Mono mix
TRT 3:18:00

11/19/1996 - 1:15:00

AVC-1997-055-2/2 **Galileo Educators Conference Part 2**
Galileo personnel lecture and demonstrate activities to educators for classroom enrichment.
Speakers:
Terry Martin - Photo Polarimeter
Leslie Lowes - Galileo Outreach
Rebecca Westbrook and others show activities for classroom.
Audience: Edu. Site: von Kármán
Client: Rebecca Westbrook, Org. 311
Master: sVHS
Audio 1: Mono mix 2: Mono mix
TRT 3:18:00
11/19/1996 - 2:03:00

AVC-1997-057-1/1 **Galileo Science Briefing at the DPS**
Galileo Science Briefing at the Division of Planetary Sciences meeting, held in Tucson, Arizona on October 24, 1996.
Includes presentations by Dr. Rich Young, Ames Research Center; Dr. Glen Orton, JPL; Dr. Bob Carlson, JPL; Dr. Jim Head, Brown University; Dr. Alfred McEwen, University of Arizona. One camera shoot, natural sound, with animation segments included.
Audience: Edu.
Client: Galileo Project Office
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/1996 - 1:30:00 Producer: McNevin

AVC-1997-058-1/1 **Mars Pathfinder Post-Launch Animation**
Parking Orbit Insertion to Spacecraft Separation
Computer Animation
Audience: NASA Resource Site: JPL
Client: Dave Spencer, Org. 312
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/25/1996 - 0:07:00

AVC-1997-059-1/1 **SIR-C Nile River Channel Video File for NASA-TV**
SIR-C views an ancient river channel of the Nile River which was previously unknown and not visible using optical photography. Includes interview with Dr. Bob Stern, University of Texas at Dallas, infrared and radar images of Nile River region and b-roll footage of Space Shuttle

Endeavour and its SIR-C payload.
Audience: News Resource
Client: McNevin/NASA-TV/PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/25/1996 - 0:10:09 Producer: Goldrich

AVC-1997-060-1/1 **Asteroid Toutatis Flyby of Earth Video File for NASA-TV**
The Earth crossing asteroid Toutatis makes a close pass of Earth on Nov. 29, 1996. Dr. Don Yeomans describes what we know about Toutatis and its 3.3 million mile pass by Earth, as well as passes in 2000, 2004 and 2069. Animation generated from radar/radio observations of Toutatis and Castalia are included.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/25/1996 - 0:09:59 Producer: Goldrich

AVC-1997-061-1/1 **Visualization of Earth Approaching Asteroids**
The video sequences are based on radar observations (delay-Doppler images) of the near-Earth asteroids: Castalia, Toutatis, and Geographos. Computer models, developed from these observations, are used to visualize the shapes, rotation, dynamics of orbits, and collisions.
Audience: Edu. NASA News Resource Site: JPL/DIAL
Client: Eric De Jong, Org. 3233
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/29/1996 - 0:18:00 Producer: Eric De Jong

AVC-1997-062-1/1 **Mars Exploration - Video Wall**
Short chronology of the history of JPL's robotic exploration of Mars starting in 1964 set to music without narration. Edited specifically for use for a video wall.
Audience: Gen.
Client: Bridges
Master: BCAMsp
Audio 1: Silent 2: Mono mix
NOT FOR DUPLICATION
11/27/1996 - 0:03:16 Producer: Semerano

AVC-1997-063-1/1 **Mars Pathfinder Pre-Launch Press Conference**
Mars Pathfinder Pre-Launch Press Conference taped live off NASA Select at 8:00 am pacific time.

Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/30/1996 - 0:46:00 Producer: NASA (Semerano)

AVC-1997-067-1/1 **Cassini Shake and Pyrotechnic Testing**
Real-time and high-speed documentation of shake and pyrotechnic testing of Cassini Spacecraft components conducted in Bldg. 144.
Audience: Tech.
Client: John Forgrave
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/06/1996 - 0:04:20 Producer: Semerano

AVC-1997-070-1/1 **Galileo Project Team Briefing**
In preparation for the Galileo Science Update, project members present the latest findings from the Jupiter system.
Audience: Edu. Site: von Kármán
Client: Maynard Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/11/1996 - 1:06:35 Producer: Savona

AVC-1997-071-1/1 **Ganymede, Europa & Callisto Video File for NASA-TV**
Supporting video clips and stills for presenters to use during the Galileo Science Update.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/12/1996 - 0:03:50 Producer: Semerano

AVC-1997-072-1/1 **Galileo Science Update - Ganymede, Europa and Callisto**
VTV-670 David Seidel moderates a science discussion of Galileo's latest images of Ganymede, Europa and Callisto. Participants include: Dr. Torrence Johnson, Dr. Donald Gurnett, Dr. Margaret Kivelson, Dr. John Anderson, Dr. Gerald Schubert and Kelly Bender.
Audience: News Site: von Kármán
Client: PIO, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/12/1996 - 1:05:53 Producer: Savona

AVC-1997-074-1/1 **GPS/AGU Post Northridge Video File for NASA-TV**
Video press release package in support of a presentation being made by Dr. Greg Lyzenga, JPL Geophysicist, at the American Geophysical Union meeting held the week of Dec. 16, 1996. Includes his interview and b-roll footage of the Granada Hills region shortly following the Northridge earthquake in 1994.
Audience: News
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/16/1996 - 0:09:37 Producer: Goldrich

AVC-1997-077-1/1 **Galileo Animation Compilation #4**
Jovian Tour, Callisto 3-Europa flyby, Compilation #2 followed by Compilation #3
Audience: Edu.
Client: Maynard Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/30/1996 - 0:19:30 Producer: Savona

AVC-1997-078-1/1 **Mars Precision Landing Animation**
An edited production that shows computer simulation of a Mars Precision Landing mission. Developed for the Mars Exploration Technology Task, managed by Chuck Weisbin.
Audience: JPL NASA
Client: David Farless, Org. 312
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/02/1997 - 0:03:07 Producer: Savona

AVC-1997-079-1/1 **Cassini Thermal Blanket Installation - Video File**
Video File showing the fabrication and installation of Thermal Blankets on the Cassini Spacecraft. Pam Hoffman, Cognizant Engineer for the installation, is interviewed.
Audience: Gen. NASA
Client: Ed (Skip) McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/28/1996 - 0:09:50 Producer: Semerano

AVC-1997-082-1/1 **KIDSAT Video File**
Interviews with JPL KidSat coordinators.
B-Roll of kids in classrooms preparing for STS-81.
Shots of KidSat kids at JPL preparing computers and a

digital still camera.
Audience: JPL NASA Resource Site: JSC
Client: Stephanie Zeluck, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/14/1997 - 0:28:00 Producer: JSC

AVC-1997-085-1/1 **Cassini Spacecraft Construction & Assembly**
B-roll footage documenting various stages in the construction and assembly of the Cassini Spacecraft starting in 1995.
Audience: Resource Site: JPL
Client: PIO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/16/1997 - 0:40:00 Producer: Semerano

AVC-1997-086-1/1 **Galileo Europa Encounter E4 Animation**
Animations of Galileo's closest approach to Europa. Includes zoom in to Europa - Version #1.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
01/17/1997 - 0:07:08 Producer: Eric DeJong

AVC-1997-087-1/1 **Galileo Press Briefing "Europa Unveiled"**
VTV-675
Galileo Press Briefing from NASA-HQ regarding latest findings of data from the Galileo Spacecraft at Jupiter.
Video file 9:08.
Panelists; Dr. Ron Greeley Arizona State U.; Dr. Robert Sullivan ASU; Dr. Torrence Johnson JPL; & Jim Head Brown Univ. Doug Isbell moderates. 38:37 min. Followed by Images & panelists titles 4:00.
Audience: Gen. JPL NASA Site: NASA HQ
Client: McNevin, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/17/1997 - 0:52:00 Producer: NASA Hq (Borst)

AVC-1997-088-1/1 **Long Range Science Rover Highlights**
An edited production showing Rocky VII performing science operations in the Mars Yard at JPL. FY'96 Long Range Science Rover task results.
Audience: Tech. Site: Mars Yard

Client: Paul Backes, Org. 345
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix AVC-97-010
Shortened Version of AVC-97-010
01/20/1997 - 0:03:39 Producer: Savona

AVC-1997-089-1/1 **STS-81 Kidsat Images**
Images and animations from space of the Gaza Strip, Mediterranean Sea, Venice, Italy and the Alps.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
01/22/1997 - 0:02:39 Producer: Eric De Jong

AVC-1997-090-1/1 **Martin: A Tribute to Martin Luther King Jr.**
VTV-678
The ACMA and Human Resources present a celebration of the 68th anniversary of the birth of the Reverend Dr. Martin Luther King, Jr., the Nobel-Prize-winning leader of the U.S. civil rights movement.
Audience: Gen. Site: von Kármán
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/21/1997 - 1:33:00 Producer: Beck

AVC-1997-091-1/1 **Global Positioning System B-Roll**
B-roll of Global Positioning System ground stations being set-up, taken apart and moved around various locations at JPL, video taped 1/16/97.
Audience: News Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/27/1997 - 0:22:00 Producer: Semerano

AVC-1997-093-1/1

Reaching for the Red Planet
An edited production on the history and trials and tribulations of the Mars Observer spacecraft. Produced tongue-in-cheek, with a Lost in Space, Irwin Allen style and narrated by Dick Tufeld (the Robot, Lost in Space).
Audience: JPL
Client: Glenn Cunningham
Master: 1"C Submaster: BCAMsp
Audio 1: Narration 2: Music & fx

01/30/1997 - 0:27:00 Producer: Goldrich

AVC-1997-094-1/1 **JPL Asteroid & Comet Resource Collection**
A Collection of NASA Videofiles & supporting animations on near Earth asteroids & comets. Includes: Toutatis Flyby Videofile; Toutatis radar observation B-roll; NEAT Videofile; Aorounga Crater Chain Videofile; Asteroid Data Collection; Compilation of Shoemaker-Levy Observations.
Audience: Resource
Client: Skip McNevin
Master: BCAMsp Submaster: D-BCAM
Audio 1: Mono mix 2: Mono mix
01/30/1996 - 1:14:00 Producer: John Beck

AVC-1997-095-1/1

Studying and Visualizing Volcanoes Video File for NASA TV
Collection of b-roll and interviews on the use of spaceborne and airborne remote sensing systems used by NASA to observe and track volcanic activity around the globe. Interviews include Dr. Jeffrey Plaut and Dr. Dave Pieri from JPL. Animations include a 3-D flyover of Mt. St. Helens, Mt. Pinatubo, Mt. Rainier, and Kliuchevskoi in Russia. Animations were developed at JPL by the Digital Image Animation Laboratory.
Audience: Gen. NASA News Resource
Client: PIO/McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/1997 - 0:16:17 Producer: Goldrich

AVC-1997-097-1/2 **Visualization of Earth-Approaching Asteroids**
The video sequences are based on radar observations (delay-Doppler images) of the near-Earth asteroids: Castalia, Toutatis and Geographos. Computer models, developed from these observations, are used to visualize the shapes, rotations, dynamics of orbits and collisions.
Audience: JPL NASA News Resource Site: JPL/DIAL
Client: Eric De Jong, Org. 3233
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
TRT 1:40:00
02/04/1997 - 1:32:00 Producer: Eric De Jong

AVC-1997-097-2/2 **Visualization of Earth-Approaching Asteroids**
Part 2 of 2
Audience: JPL NASA News Resource Site: JPL/DIAL

Client: Eric De Jong, Org. 3233
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
TRT 1:40:00
02/04/1997 - 0:14:00 Producer: Eric De Jong

AVC-1997-099-1/1 **Carl Sagan: A Scientist Remembered**
A slide and video clip presentation in remembrance of Carl Sagan. Speakers include: Dr. Daniel J. McCleese, Dr. David Pieri, Dr. David Crisp, Dr. Candice Hansen, Dr. Robert Nelson
Audience: Gen. Site: 167 conf rm
Client: Robert Nelson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/12/1997 - 1:15:00 Producer: John Beck

AVC-1997-100-1/1 **Cassini Spacecraft Assembled in High Bay**
B-roll of the Cassini Spacecraft in building 179.
Audience: News Resource
Client: PIO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/14/1997 - 0:16:00 Producer: Semerano

AVC-1997-102-1/1 **Carl Sagan Compilation**
Nine segments from 1962 to 1995
Audience: Resource
Client: G. Alexander
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/13/1997 - 0:09:17 Producer: John Beck

AVC-1997-106-1/1 **VSOP Compilation Tape**
Animation and Raw stock footage of assembly and testing. VSOP (VLBI Space Observatory Programme) was developed by the Institute of Space and Astronautical Science in Japan. The NASA/JPL Space Very Long Baseline Interferometry (VLBI) Project supports the VSOP mission. Launched 2/12/97.
Audience: Resource Site: Japan
Client: Deborah Traub, Org. 9600
Master: BCAMsp
Audio 1: Silent 2: Silent
02/19/1997 - 0:30:00 Producer: VSOP

AVC-1997-109-1/1 **Origins: Seeking Answers to Age-Old Questions**

This edited production explains the purpose, goals and missions of the Origins program. The program uses computer animation and real images to explore the search for clues about the formation of galaxies, stars and planetary systems, including the prospect of life elsewhere.
Audience: Gen.
Client: Dr. Firouz Naderi, Org. 3020
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
Contains Copyrighted Material
02/24/1997 - 0:07:30 Producer: Savona

AVC-1997-110-1/1 **A Virtual Tour of Mount St. Helens**
This animation simulates a flight within the crater of Mt. St. Helens. The image was acquired with NASA's Airborne Thermal Infrared Multispectral Scanner (TIMS).
w/music
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/25/1997 - 0:03:41 Producer: Eric DeJong

AVC-1997-122-1/1 **Mission To Planet Earth**
Earth Systems Science Pathfinder Press Briefing.
Press Conference from NASA HQ.
Speakers: Michael Prather - U.C. Irvine, William Townsend - M.T.P.E., Ghassem Asrar - E.O.S., Ralph Dubayah - University of Maryland, Byron Tapley - University of Texas.
Audience: JPL NASA Resource Site: NASA HQ
Client: Mary Hardin, Org. 1810
Master: BCAMsp Submaster: sVHS
Audio 1: Mono mix 2: Mono mix
03/18/1997 - 0:47:00 Producer: Hanchett/HQ

AVC-1997-123-1/3 **Live from Antarctica 2: Program 1 "Oceans, Ice & Life"**
"Passport to Knowledge" Series for K-12 students.
This program demonstrates the adaptation of life to the extreme Antarctic conditions, and shows how scientists must also adapt their lives and research techniques to the environment.
Audience: Edu. Site: Antarctica
Client: Brian Abbe, Org. 331
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
http://quest.arc.NASA.gov/antarctica2/index.html

01/23/1997 - 1:00:00 Producer: Passport to Knowledge

AVC-1997-123-2/3 **Live from Antarctica 2: Program 2 "The Secrets of Survival"**
"Passport to Knowledge" Series for K-12 students.
This program looks at the secrets of survival for both the wildlife and the human researchers who journey to the ends of the Earth to study them.
Audience: Edu. Site: Antarctica
Client: Brian Abbe, Org. 331
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
http://quest.arc.NASA.gov/antarctica2/index.html
01/30/1997 - 1:00:00 Producer: Passport to Knowledge

AVC-1997-123-3/3 **Live from Antarctica 2: Program 3 "Seeing the Future"**
"Passport to Knowledge" Series for K-12 students.
This program presents the latest on ozone and the effects of increased ultraviolet radiation, and shows the research in Antarctica -- and Palmer in particular -- helps us understand our entire planetary environment.
Audience: Edu. Site: Antarctica
Client: Brian Abbe, Org. 331
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
http://quest.arc.NASA.gov/antarctica2/index.html
02/06/1997 - 1:00:00 Producer: Passport 2

AVC-1997-124-1/1 **Comet Hale-Bopp Video File Compilation**
VTV-692 JPL's contribution to the NASA TV coverage of Comet Hale-Bopp. Features etchings and artist conceptions of comets as seen through history, still photos of Comet Hale-Bopp taken by JPL's James W. Young, resource footage and animations on comets, animation of Ulysses Spacecraft, animation illustrating the Comet Hale-Bopp's plasma tail, B-Roll footage of Jim Young observing Hale-Bopp and interviews with Jim Young, Dr. Don Yeomans and Dr. Bruce Goldstein.
Audience: Resource
Client: Skip McNevin
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/18/1997 - 0:36:00 Producer: John Beck

AVC-1997-125-1/1 **Cassini Press Compilation**
Contains Cassini animations, testing of spacecraft components, assembly of hardware, Saturn pictures and launch

sequence on 10/15/97.
Audience: Resource
Client: Mary Beth Murrill, Org. 180
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/22/1997 - 0:22:47 Producer: Semerano

AVC-1997-126-1/1 **Science Update Cassini-Huygens**
Audience: News Resource
Client: PIO, Org. 1810
Master:
Audio 1: Mono mix 2: Mono mix
03/28/1997 - 0:20:00

AVC-1997-129-1/1 **Galileo Europa Encounter - E6 Animation Compilation**
1. Simulated Flight of Europa :55
2. Zoom into Europa :33
3. Closest Approach to Europa :51
4. Spacecraft & Satellite Positioning 1:00
Audience: Resource
Client: Eric De Jong
Master: BCAMsp
Audio 1: Silent 2: Silent
04/09/1997 - 0:07:00 Producer: Beck

AVC-1997-130-1/1 **Galileo Science Update-A New Understanding of Europa**
VTV-716 A Press Conference with Dr. Johnson, Dr. Sullivan, Dr. Carr, Dr. Geissler, Dr. Chapman, Dr. Coon, Dr. Terrile and Dr. Delaney held in von Kármán Auditorium with David Seidel moderating. Includes stills and animations of the results of the Galileo spacecraft's encounter with Europa.
Audience: News Site: von Kármán Aud.
Client: Galileo/PIO, Org. 181
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/09/1997 - 1:03:00 Producer: Semerano

AVC-1997-132-1/1 **Comet Chasers: On the Trail of a Comet**
VTV-694 Live multi-camera event from Beckman Hall at Caltech, celebrating the Hale-Bopp flyby. Hosted by Leslie Lowes and Catherine Collins. Opening remarks by Dr. Stone, panel discussion and Q&A with Alan Hale, Thomas Bopp, Don Yeomans and David Levy.
Audience: Gen. Site: Caltech Beckman
Client: Collins/Lowes
Master: BCAMsp Submaster: BCAMsp

Audio 1: Mono mix 2: Mono mix
04/11/1997 - 1:17:35 Producer: Goldrich

AVC-1997-139-1/1 **Transportation of Cassini To Edwards AFB - Video File**
B-Roll of the events of April 19, 1997 showing the transportation of the Cassini Spacecraft to Edwards Air Force Base by truck for airlift to Cape Canaveral.
Audience: News Resource Site: JPL & EAFB
Client: Mary Beth Murrill
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/21/1997 - 0:06:50 Producer: Semerano

AVC-1997-140-1/1 **Live From Mars #1: "Countdown"**
VTV-696 "Passport to Knowledge" Series for K-12 students.
Behind the scenes at Cape Canaveral: the launch of Mars Global Surveyor, final preparation of the Mars Pathfinder spacecraft. Why go to Mars? the evidence of liquid water and the possibility of life. Past missions, student questions w/ answers.
Audience: Edu. JPL Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
http://quest.arc.NASA.gov/mars/
11/19/1996 - 0:58:30 Producer: Passport to Knowledge

AVC-1997-141-1/1 **Live From Mars #2: "Cruising Between the Planets"**
VTV-697 "Passport to Knowledge" Series for K-12 students.
Behind the scenes at NASA's JPL, lead center for planetary exploration. How rocket fuel, momentum, gravity and ingenuity get spacecraft from Earth to Mars. Mars Pathfinder's and Global Surveyor's progress to date. Student questions w/ answers.
Audience: Edu. JPL Site: JPL SFOF
Client: Mars Pathfinder
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
http://quest.arc.NASA.gov/mars/
04/24/1997 - 0:58:30 Producer: Passport to Knowledge

AVC-1997-144-1/1 **Mars Global Surveyor Solar Panel Configuration Video File For NASA-TV**
Video press release package describing NASA's plans to reconfigure one of the solar panels on MGS, in preparation for the spacecraft's arrival at Mars in September 1997.

Features an interview with MGS Project Manager Glenn Cunningham and new animation.
Audience: News Resource
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/28/1997 - 0:06:27 Producer: Goldrich

AVC-1997-147-1/1 **Construction of DSS-25 / DSN Story**
Time Lapse film: Construction of DSS-25 - 3:00
"DSN Story" - 3:00
Audience: Edu. JPL NASA
Client: Shirley Wolff
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
UPDATED VERSION
05/06/1997 - 0:06:00 Producer: Dawson

AVC-1997-156-1/1 **Mars: New Views of a Dynamic Planet**
NASA TV Space Science Update
Speakers: Dr. Steve Lee, Dr. Phillip James, Dr. Mat Golombeck, and Dr. R. Todd Clancy
Audience: NASA Resource Site: NASA HQ
Client: PIO/McNevin, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
* Missing first 60 Seconds.
05/20/1997 - 1:00:00 Producer: NASA HQ

AVC-1997-158-1/1 **TOPEX/Poseidon, NSCAT El Nino Observations 1997**
Contains the following:
1) TOPEX/Poseidon data animation
2) TOPEX/Poseidon spacecraft animation
3) NSCAT data animation
4) NSCAT spacecraft animation
5) Interview with Dr. Lee-Lueng Fu
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/23/1997 - 0:18:19 Producer: Goldrich

AVC-1997-159-1/1 **JPL 1997 Mission Highlights**
A summary of JPL missions in 1997 for display in the mall kiosk.
Audience: Gen.

Client: Stephanie Zeluck, Org. 180
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/29/1997 - 0:08:16 Producer: Savona/Semerano

AVC-1997-160-1/1 **Independence Regained**
"Improved Lifestyles through Computer Assistive Technology"

An explanation of current military computer voice recognition technology being used for the aid of the disabled & molded for space science research.
Audience: Gen.
Client: Peterson/Dunphy
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/30/1997 - 0:06:28 Producer: Goldrich

AVC-1997-162-1/1 **Galileo Science Update-The Search for Moisture in Jupiter's Atmosphere**
VTV-706
A press conference with presenters Andy Ingersoll, Tobias Owen, Glenn Orton, Robert Carlson and Ashwin Vasavada held in von Kármán Auditorium with David Seidel moderating. Q and A follows presentations. Following conference are stills and animations.
Audience: News Site: von Kármán Aud.
Client: Galileo/PIO, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/05/1997 - 0:55:41 Producer: Savona

AVC-1997-165-1/1 **TOPEX and NSCAT Animations - Video File for NASA TV**
Texas Twister 1:24
TOPEX/Poseidon El Nino Data :43
TOPEX/Poseidon Animation :38
Data from NSCAT :47
NSCAT Animation 2:17
Interview with Lee Leung Fu 1:05
Audience: Edu. NASA Resource Site: NASA HQ
Client: McNevin/PIO/NASA-TV, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/06/1997 - 0:10:45 Producer: NASA TV

AVC-1997-166-1/1 **Introduction to Telescopes in Education**
Gil Clark (TIE) describes on camera the Telescopes In Education program.

Audience: Edu. Site: studio
Client: Gil Clark
Master: BCAMsp Submaster: BCAMsp
Audio 1: Narration 2: Music
06/13/1997 - 0:11:45 Producer: Goldrich

AVC-1997-167-1/1 **Galileo/Jupiter Atmospheric Animations**
Compilation of spacecraft and data animation, in support of the June 5, 1997 Galileo Science Update.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
06/16/1997 - 0:27:12 Producer: De Jong

AVC-1997-168-1/1 **Mars Surveyor '98 Animation**
An animation depicting the Mars Surveyor Program which has been developed to explore Mars over the next decade, 1997 thru 2006.
Audience: Gen. JPL News Site: Eng. Multimedia
Client: McNamee, Org. 430
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
06/16/1997 - 0:19:40

AVC-1997-169-1/1 **von Kármán Lecture Series - "The 20th Anniversary of Voyager"**
VTV-710
Dr. Edward Stone talks about the Voyager missions to the outer planets using pictures and animations.
Audience: JPL Site: von Kármán Aud.
Client: Stephanie Zeluck, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/17/1997 - 0:55:43 Producer: Savona

AVC-1997-170-1/1 **Space Infrared Telescope Facility**
VTV-711
Part of the SESPD lecture series, featuring Larry Simmons discussing the history, mission and features of SIRTF, along with an infrared camera demonstration in the auditorium. Dr. Charles Elachi introduces.
Audience: JPL Site: von Kármán
Client: Nickle
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/18/1997 - 0:44:15 Producer: Goldrich

AVC-1997-173-1/1 **Mars Pathfinder ORT - Best of B-Roll**

Compilation of hand held B-roll shots taken during the Mars Pathfinder ORT on 6-11-97.
Audience: Resource Site: Bldg 230
Client: McNevin
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/20/1997 - 0:10:00 Producer: Beck

AVC-1997-174-1/1 **Cassini Earth Flyby Animations**
Four Animations depicting the Cassini Spacecraft flyby animations of Earth scheduled for 1999.
Audience: Resource
Client: Charles Kohlhase
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/26/1997 - 0:06:30 Producer: Semerano

AVC-1997-175-1/1 **Mars Pathfinder Landing Video File for NASA-TV**
A collection of animation developed for Mars Pathfinder on July 4, 1997. New Pathfinder EDL and surface operations animation, new flyovers of Mars' surface and an 18 minute production on NASA's Mars Surveyor program. B-roll of JPL and the Mars Pathfinder MSA are included.
Audience: News Resource
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/25/1997 - 0:30:07 Producer: Goldrich

AVC-1997-176-1/2 **Mars Pathfinder Pre-landing Briefing - 7/1/97, 10:00 am**
Describes the missions and science objectives of Mars Pathfinder.
Participants:
William Piotrowski, Program Executive
Anthony Spear, Project Manager
Brian Muirhead, Flight System Manager
Dr. Jacob Matijevic, Rover Manager
Dr. Matthew Golombek, Project Scientist
Richard Cook, Mission Manager
Franklin O'Donnel, Manager, Public Affairs Office
Q&A, animations and stills at the end.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
Q&A, animations & stills at the end. TRT 1:54:18

07/01/1997 - 1:34:00 Producer: Goldrich

AVC-1997-176-2/2 **Mars Pathfinder Pre-landing Briefing - 7/1/97, 10:00 am**
Part 2 of 2.
Note: Q&A, animations and stills at the end.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 1:54:18
07/01/1997 - 0:26:00 Producer: Goldrich

AVC-1997-178-1/2 **Mars Pathfinder Pre-landing Science Briefing - 7/2/97, 10:00 am**
Describes the missions and science objectives of Mars Pathfinder.
Participants: John Wellman, JPL/ Experiment Operations Team Chief.
Peter Smith, University of Arizona, Principal Investigator for the Imager for Mars Pathfinder (IMP).
Dr. John "Tim" Schofield, JPL Science Team Leader for the Atmospheric Instrument/Meteorology Package (ASI/MET).
Dr. Henry Moore, U.S. Geological Survey (Retired) Rover Scientist.
Dr. Rudolph Rieder, Max Planck Institute for Chemistry, Germany - Principal Investigator for the Alpha Proton X-Ray Spectrometer (APXS)
Dr. William Folkner, JPL/Participating Scientist, Rotational and Orbital Dynamics Experiment.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/02/1997 - 1:30:00 Producer: Goldrich

AVC-1997-178-2/2 **Mars Pathfinder Pre-landing Science Briefing - 7/2/97, 10:00 am**
Describes the missions and science objectives of Mars Pathfinder. Participants: John Wellman, JPL/ Experiment Operations Team Chief; Peter Smith, University of Arizona, Principal Investigator for the Imager for Mars Pathfinder (IMP); Dr. John "Tim" Schofield, JPL Science Team Leader for the Atmospheric Instrument/Meteorology Package (ASI/MET); Dr. Henry Moore, U.S. Geological Survey (Retired) Rover Scientist; Dr. Rudolph Rieder, Max Planck Institute for Chemistry, Germany - Principal Investigator for the Alpha Proton X-Ray Spectrometer (APXS); Dr. William Folkner, JPL/Participating Scientist, Rotational and Orbital Dynamics

Experiment.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/02/1997 - 0:07:10 Producer: Goldrich

AVC-1997-179-1/1 **Mars Pathfinder Pre-landing News Briefing - 7/3/97, 10:00 am**
Describes the missions and science objectives of Mars Pathfinder. Participants:
Brian Muirhead, JPL Flight System Manager
Rob Manning, JPL Flight system Chief Engineer
Dr. Matthew Golombek, JPL Project Scientist
Richard Cook, JPL Mission Manager.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/03/1997 - 1:11:00 Producer: Goldrich

AVC-1997-180-1/1 **Mars Pathfinder - Goldin Mars Symposium - 7/3/97, 11:00 am**
Discussed Mars Missions and objectives.
Participants: Daniel S. Goldin, NASA Administrator
Dr. Wesley T. Huntress, NASA Associate Administrator for Space Science.
Dr. Edward C. Stone, Director for Jet Propulsion Laboratory.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/03/1997 - 0:47:00 Producer: Savona

AVC-1997-181-1/1 **Mars Pathfinder Landing - Guest Operations Welcome**
Brian Muirhead, MPF Deputy Flight System Manager, welcomes guests to JPL followed by MPF launch footage from Cape Canaveral and animation showing its journey to Mars and landing on the surface.
Audience: JPL
Client: McNevin
Master: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
07/03/1997 - 0:08:35 Producer: Beck

AVC-1997-182-1/1 **Mars Pathfinder Landing Day News Briefing - 7/4/97, 7:00 am**
Discussed what is expected to occur in the upcoming hours of landing, descents, etc...

Participants:
Rob Manning, JPL Flight System Chief Engineer
Pieter Kallemeyn, JPL Navigation Lead Engineer
Richard Cook, JPL Mission Manager.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:58:17 Producer: Savona

AVC-1997-183-1/22 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 8:30 am**
Early morning landing activities for Mars Pathfinder.
Commentator: David Seidel
Audience: News Resource Site: JPL - 230
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:58:00 Producer: Goldrich

AVC-1997-183-2/22 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 9:28 am**
9:28 - 10:58 am.
David Seidel is commentator.
Cruise Stage separation at 21:34:10;
Confirmation of EDL at 22:04:55;
1st signal from surface at 22:07:50;
Petal position confirmation at 22:16:45;
Interviews: Brian Muirhead 22:30:00;
Dr. Ed Stone 22:46:00;
Dan Goldin 22:49:50.
Audience: News Resource Site: JPL - 230
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 1:30:00 Producer: Goldrich

AVC-1997-183-3/22 **No Tape - (error in numbering)**
Audience:
Client:
Master:
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:00:00

AVC-1997-183-4/22 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 11:00 am**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day. 11:35 am - Petal deploy confirmation.

11:39 am - Playful resignation of Rob Manning EDL Chief Engineer.
Commentator: David Seidel
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:57:00 Producer: Goldrich

AVC-1997-183-5/22 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 12:20 pm**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day.
12:40 - Interview w/Richard Cook;
1:19 pm - Jennifer Harris polls positions over intercom.
Commentator: David Seidel
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 1:00:00 Producer: Goldrich

AVC-1997-183-6/22 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 1:20 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day.
Received acquisition of low gain antenna signal at: 02:07:50
Received confirmation of low gain antenna signal at: 02:21:40
Commentator: David Seidel
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 1:03:00 Producer: Goldrich

AVC-1997-183-7/22 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 2:45 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day.
2:53 pm - Fax from Al Pennington Shuttle Flight Dir. JSC read by Richard Cook.
3:24 pm - First Downlink of Data (no pictures) Commentator: David Seidel and Jane Platt
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix

07/04/1997 - 0:42:00 Producer: Goldrich

AVC-1997-183-8/22 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 4:20 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day.
4:28 pm - High Gain Antenna Lock.
4:33 pm First pictures from Mars Pathfinder.
Commentator: Jane Platt
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:54:00 Producer: Goldrich

AVC-1997-183-9/22 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 5:20 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day.
5:30 pm - Dan Goldin w/grandson addressing science and Landing teams.
6:02 pm - Airbag re-retraction.
Commentator: Jane Platt with Wayne Lee.
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 1:04:00 Producer: Goldrich

AVC-1997-183-10/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 7:30 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day.
8:04 pm - Second set of pictures from Mars Pathfinder.
Commentator: Jane Platt with Wayne Lee
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:59:00 Producer: Goldrich

AVC-1997-183-11/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 8:30 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day.
8:44 pm - Brian Muirhead interview.
8:53 pm - Sandbox airbag testing.
9:02 pm -Ramp Deploy meeting.
Commentator: Jane Platt with Wayne Lee.
Audience: News Resource Site: JPL

Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:53:00 Producer: Goldrich

AVC-1997-183-12/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/4/97, 10:30 pm**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on landing day.
Transmission of Ramp Deployment Command.
Commentator: Jane Platt with Wayne Lee
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:23:00 Producer: Goldrich

AVC-1997-183-13/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/5/97, 11:15am**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 5.
2 minute segment from 11:14 - 11:16 am then switched to Shuttle coverage picking back up at 2:00 thru 2:58 pm. Modem glitch commands & interview with Donna Shirley at 2:25 pm.
Commentator: Jane Platt
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 1:00:00 Producer: Goldrich

AVC-1997-183-14/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/5/97, 4:11 pm**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 5.
Ends at 4:54 pm before 5:00 pm press briefing.
Commentator: Jane Platt
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 0:43:00 Producer: Goldrich

AVC-1997-183-15/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/5/97, 5:20 pm**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 5.
This is during pre-ramp deployment. New images at 5:29 - 5:40 pm.

Commentator: Jane Platt with Wayne Lee
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 0:56:00 Producer: Goldrich

AVC-1997-183-16/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/5/97, 6:20 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 5.
Ramp Deploy command sent.
Commentator: Jane Platt
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 1:04:00 Producer: Goldrich

AVC-1997-183-17/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/5/97, 7:20 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 5.
7:25 - 8:11 awaiting Ramp Deployment Confirmation. 8:11 - 8:26 (end) Downlink of Images.
Commentator: David Seidel
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 1:01:00 Producer: Goldrich

AVC-1997-183-18/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/5/97, 8:25 pm**
Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 5.
8:27 - 8:58 Images with Brian Muirhead interview. 8:58 - 9:00 Ramp Discussion in Conf. Rm.
Sandbox testing 9:06 - 9:14/9:18 - 9:20.
Replay of Impromptu Press Briefing by Peter Smith leader IMP Team.
Commentator: David Seidel with Wayne Lee
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 1:04:00 Producer: Goldrich

AVC-1997-183-19/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/5/97, 9:30 pm**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 5.
10:02 - 10:25 am Interview with Dr. Jerry Soffen Viking Project Scientist.
10:27 - 10:30 am(end)Interview with Dr. Matt Golombeck MPF Project Scientist.
Commentator: David Seidel
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 0:59:00 Producer: Goldrich

AVC-1997-183-20/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/5/97, 10:30 pm**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 5.
10:30 - 10:36 pm Interview w/Dr. Matt Golombeck (continued from tape 19).
10:40 - 11:03 pm Images - 10:47 Rover on ramp; 10:59 Pix of rover on surface (Celebration)
11:04 celebration in Mission ops.
11:16:30 Early movie of Rover deployment.
Commentator: David Seidel
End of Day 2 commentary coverage
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 0:55:00 Producer: Goldrich

AVC-1997-183-21/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/6/97, 3:00 pm**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 6.
3:19:30 pm Rob Manning waving at camera.
3:49 pm Music sequence wake up call for spacecraft.
Commentator: Jane Platt
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/06/1997 - 0:58:00 Producer: Goldrich

AVC-1997-183-22/2 **Mars Pathfinder Landing Day Commentary Coverage - 7/6/97, 4:00pm**

Commentary and live shots of Mars Pathfinder Operations areas in building 230 on July 6.

4:01 pm Rover communication confirmed & Lander camera deployment confirmed.
4:05 - 4:32 pm Images downlinked.
4:34 pm Rob Manning tanks crew and people for their support.
Commentator: Jane Platt
Audience: News Resource Site: JPL
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/06/1997 - 0:42:00 Producer: Goldrich

AVC-1997-187-1/1 **Mars Pathfinder Landing Day News Briefing - 7/4/97, 2:30 pm**
Phone call from Vice President Al Gore congratulating the Mars Pathfinder Team.
Participants: Daniel S. Goldin, NASA Administrator; Dr. Edward C. Stone, JPL Director;
Brian Muirhead, Project Manager.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:08:13 Producer: Savona

AVC-1997-188-1/1 **Mars Pathfinder Landing Days News Briefing - 7/4/97, 3:30 pm**
An assessment of engineering data from the first low gain transmission. Included primary info on the entry, descent, landing sequence, Atmospheric Science data & health of the lander & rover. Participants:
Daniel Goldin, NASA Administrator
Richard Cook, Mission Manager
Rob Manning, Flight System Chief Engineer
Dr. John Schofield, ASI/MET Principal Investigator
Dr. Matthew Golombek, Project Scientist
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:50:00 Producer: Savona

AVC-1997-189-1/1 **Mars Pathfinder Landing Day News Briefing - 7/4/97, 6:30 pm**
First color pictures released showing lander, rover and surrounding Martian landscape.
Participants:
Peter Smith
Daniel Goldin
Wesley Huntress

Dr. Matthew Golombek
Brian Muirhead
Dr. Jacob Matijevic.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 1:00:00 Producer: Savona

AVC-1997-190-1/1 **Mars Pathfinder End of Day News Briefing - 7/4/97, 11:00 pm**
Primary focus was airbag retraction activity and rover communication problems.
Participants: Guy Beutelschies, JPL Flight Dir. Dr. Matthew Golombek, Proj. Scientist
Dr. Jacob Matijevic, Rover Mgr.
Dr. John "Tim" Schofield, ASI/MET Principal.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 0:47:45 Producer: Savona

AVC-1997-191-1/1 **Mars Pathfinder News Briefing - 7/5/97, 10:00 am**
Status update of the condition of the spacecraft and preparation for today's events.
Participants:
Brian Muirhead, JPL Flight System Manager
Peter Smith, University of Arizona - IMP Principal Investigator
Dr. Jacob Matijevic, JPL Rover Manager.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 0:50:00 Producer: Savona

AVC-1997-192-1/1 **Mars Pathfinder News Briefing - 7/5/97, 5:00 pm**
Status report of the Rover communications confirmation.
Participants:
Tony Spear, JPL Project Manager
Richard Cook, JPL Mission Manager
Matt Wallace, JPL Rover System Engineer.
Audience: News Resource Site: von Kármán Aud
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix

07/05/1997 - 0:22:41 Producer: Savona

AVC-1997-193-1/1 **Mars Pathfinder News Briefing - 7/5/97, 11:30 pm**
The rover was shown going down the ramp successfully. All Pathfinder team members were present during conference.
Participants: Richard Cook, Mission Manager
Dr. Jacob Matijevic, Rover Manager.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/1997 - 0:28:00 Producer: Savona

AVC-1997-194-1/1 **Mars Pathfinder News Briefing - 7/6/97, 10:00 am**
Discussion related to rover deployment on 7/5/97, ASI/MET MAST deployment and initial science observations. from the surface of Mars. Participants:
Brian Muirhead, JPL Flight System Manager
Dr. Matthew Golombek, JPL Project Scientist
Dr. John Schofield, JPL ASI/MET Science Team Ldr. Peter Smith, University of Arizona (IMP Principal Investigator)
Dr. Jacob Matijevic, JPL Rover Manager.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1997 - 1:20:00 Producer: Savona

AVC-1997-195-1/1 **Mars Pathfinder Backgrounder - 7/6/97, 4:45 pm**
Discussed Rover Operations and demonstrated the way the rover maneuvers.
Participants:
Dr. Rich Terrile, JPL, Research Astronomy
Matt Wallace, Rover System Engineer
Brian Cooper, Rover Driver
Dr. Jacob Matijevic, Rover Manager
Art Thompson, Rover System Engineer.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/06/1997 - 0:45:00 Producer: Savona

AVC-1997-196-1/1 **Mars Pathfinder News Briefing - 7/6/97, 6:00 pm**
Reported spacecraft and rover are working perfectly healthy.
Participant: Brian Muirhead, JPL, Flight Systems Manager.

Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/06/1997 - 0:30:00 Producer: Savona

AVC-1997-197-1/1 **Mars Pathfinder Science Team News Briefing - 7/7/97, 10:00 am**
Discussed on going analysis of Mars images taken 7/6/97 and earlier. Showed first images from the rover camera.
Participants:
Dr. Matthew Golombek, Project Scientist
Peter Smith, Univ. of Arizona (Principal Investigator & Imager for Mars Pathfinder IMP)
Dr. James Bell, Cornell University, Scientist
Dr. Michael Malin, Malin Space Sciences Systems, Participating Scientist
Dr. Julio Magalhaes, NASA Ames Research Center - ASI/MET Science Team Member
Dr. Tim Schofield, ASI/MET Science Team Leader.
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/07/1997 - 1:29:00 Producer: Savona

AVC-1997-198-1/1 **Mars Pathfinder News Briefing - 7/8/97, 12:00 Noon**
Discussed Alpha Proton X-ray Spectrometry results of Barnacle Bill the rock plus Martian Soil, plus the latest images from the Imager for Mars Pathfinder (IMP) camera.
Participants:
Dr. Matthew Golombek, JPL, Project Scientist
Dr. Rudolph Rieder, Max Planck Institute for Chemistry, Germany, PI, APXS
Dr. Hap McSween, U. of Tennessee, Participating Scientist
Peter Smith, U. of Arizona, PI, IMP
Dr. Nicholas Thomas, Max Planck Institute for Aeronomy, Germany, IMP Science Team Member
Dr. Jeffrey Barnes, Oregon State U., ASI/MET Science Team Member
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/08/1997 - 1:33:00 Producer: Savona

AVC-1997-199-1/1 **Mars Pathfinder News Briefing - 7/9/97, 1:00 p.m.**

The Mars Pathfinder Team introduces new images including the "monster pan", soil tests, and partial spectral analysis of Martian rocks.
Participants:
Dr. Matthew Golombeck, JPL, Project Scientist
Dr. Jeff Johnson, U.S.G.S., Science Team Member, IMP
Peter Smith, U. of Arizona, PI, IMP
Audience: JPL News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/1997 - 0:54:00 Producer: Savona

AVC-1997-200-1/1
VTV-720

A Tribute to the Mars Pathfinder Team
On July 4th, 1997, the Mars Pathfinder Team made history as they witnessed the results of their hard work and dedication. The spacecraft amazed everyone as it sent back pictures of Mars within hours of landing. This video attempts to capture the emotions that were felt that day.
Audience: Gen. Site: JPL
Client:
Master: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
07/10/1997 - 0:02:00 Producer: John Beck

AVC-1997-201-1/1

Mars Pathfinder News Briefing - 7/10/97, 12:30 p.m.
The Mars Pathfinder Science briefing, with: rover movie, virtual reality fly-through; discussion of spectra/colors of rocks; Pathfinder entry profile and the results of the magnetic properties experiment. Participants:
Dr. Richard Cook, JPL, Mission Manager
Dr. Justin Maki, University of Arizona, Science Team Member, Imager for Mars Pathfinder (IMP)
Dr. Carol Stoker, ARC, Participating Scientist
Bob Reid, U. of Arizona, IMP Science Team Member
Dr. Julio Magalhaes, ARC, Science Team Member, ASI/MET
Dr. Jens Martin Knudsen, Niels Bohr Institute, U. of Copenhagen, IMP Co-Investigator
Audience: JPL NASA Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/10/1997 - 1:02:00 Producer: Savona

AVC-1997-202-1/1

Tony Spear's Exit Press Conference - 7/11/97, 10:00 A.M.
Panel discussion led by David Seidel, and featuring Tony

Spear, Brian Muirhead, Richard Cook, Jake Matijevic, Alan Sacks and John Wellman.
Discussion topics: the reset of Pathfinder on 07/11/97, development of the Mars Pathfinder mission under NASA Discovery Program, the interaction of the science, engineering and flight team on Pathfinder and the general reaction of each to the success of the mission.
Audience: JPL NASA News Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/11/1997 - 1:08:00 Producer: Savona

AVC-1997-203-1/1 **Mars Pathfinder News Briefing - 7/11/97, 12:00 Noon**
New images; updated statistics on entry, descent and landing; and a discussion of the multi-year Mars program.
Participants: Richard Cook, JPL, Mission Manager
Larry Soderblom, USGS, Co-Investigator, Imager for Mars Pathfinder(IMP)
Dara Sabahi, JPL, Entry, Descent and Landing Mechanical Systems Engineer
David Spencer, JPL, Navigation Engineer
Sam Thurman, JPL, Entry, Descent and Landing System Engineer
Tony Spear, JPL, Project Manager
Norm Haynes, JPL, Director, JPL Mars Exploration Directorate
Audience: JPL News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/11/1997 - 1:07:00 Producer: Savona

AVC-1997-204-1/1 **July 4th landing with pan**
1. Tribute to Mars Pathfinder
2. Black & White Pan of Landing Site
3. Spacecraft Decent Animation
4. Rover View of Martian Surface Flyover
Audience: Resource
Client: McNevin
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
07/14/1997 - 0:05:10 Producer: Beck

AVC-1997-205-1/1 **Mars Pathfinder News Briefing - 7/15/97, 10:00 a.m.**
Mars Pathfinder science briefing with discussion of computer resets, APXS results from the rock Yogi and Hubble images of Mars. Participants:

Participants:
Dr. Matthew Golombek, JPL Project Scientist
Glenn Reeves, JPL, Flight Software Team Lead
Dr. Rudolph Rieder, Max Planck Institute for Chemistry, Germany, PI, APXS
Dr. James Greenwood, U. of Tennessee, Mineralogy Science Team Member
Dr. Steven Lee, U. of Colorado, Hubble Space Telescope Investigator
Dr. Mark Lemmon, U. of Arizona, Science Team Member, Imager for Mars Pathfinder (IMP)
Dr. J.T. Schfield, JPL, Science Team Leader, Atmospheric Structure Instrument/Meteorology Package (ASI/MET)
Audience: JPL News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/15/1997 - 1:21:00 Producer: Savona

AVC-1997-206-1/1 **Mars Pathfinder - Best of Raw Footage & Press Briefing Compilation**
Audience: Resource
Client: McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/16/1997 - 1:30:00 Producer: Beck

AVC-1997-207-1/2 **Mars Pathfinder - Press Release Images**
VTV-719 These latest images of Mars were taken by the Imager for Mars Pathfinder (IMP) and the Rover camera. They appear in chronological order of release dating from July 7th through Sept 22nd.
Audience: Resource Site: MARS
Client: McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/16/1997 - 1:30:00 Producer: Beck

AVC-1997-207-2/2 **Mars Pathfinder - Press Release Images**
VTV-719 These latest images of Mars were taken by the Imager for Mars Pathfinder (IMP) and the Rover camera. They appear in chronological order of release dating from October 8th through November 4th.
Audience: Resource Site: MARS
Client: McNevin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

07/16/1997 - 0:20:00 Producer: Beck

AVC-1997-209-1/1 **Mars Pathfinder News Briefing - 7/22/97, 9:30 a.m.**
Mars Pathfinder briefing with discussion of telecommunications solution, science data, rover video, lander bounce, dust and panorama data. Participants: Dr. Matthew Golombek, Project Scientist; Richard Cook, Mission Manager; Glenn Reeves, Flight Software Lead Engineer; Dr. Peter Smith, Principal Investigator (IMP); Dr. Tim Parker, Science Team Member; Dr. Henry Moore, Rover Scientist and Dr. Geoffry Landis, Rover Technology Experimenter.
Audience: JPL News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/22/1997 - 1:14:00 Producer: Savona

AVC-1997-210-1/1 **Explorer 1 - "The Big Picture"**
A "Big Picture" series produced by the U.S. Army. Depiction of the 84 day Explorer 1 program from it's inception through development to launch and mission activities, concluding with a press briefing conducted by the three lead scientists Dr. Pickering, JPL, Dr. von Braun, Army Ballistic Missile Agency; and Dr. Van Allen.
Audience: Gen. Edu. NASA Resource
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/01/1959 - 0:27:30 Producer: Army Pictorial Centr

AVC-1997-211-1/1 **NIMS - The Near-Infrared Mapping Spectrometer**
This production demonstrates the many capabilities of the NIMS instrument on board the Galileo spacecraft. Hosted by David Seidel.
Audience: Gen.
Client: Jim Shirley
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
07/25/1997 - 0:04:45 Producer: John Beck

AVC-1997-213-1/1 **"Action Plan to Gain & Maintain Support for Human Exploration of Mars"**
VTV-742 Caltech Management Association series
Mark Craig, Deputy Director of Stennis Space Center, presented an in depth look at commercial marketing

strategies and how they are applicable in the space business.
Audience: Gen. Site: 180-101
Client: Mina Flores
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/29/1997 - 1:05:00 Producer: Beck

AVC-1997-214-1/1 **Conversemos En Esta Noche (Mars Pathfinder)**
Conversemos En Esta Noche
La Mision "Pathfinder" Al Planeta Marte - Mars Pathfinder/JPL
Guests: Ocampo, San Martin, Figueroa, Acuna
Language: Spanish
Audience: Edu. News Site: USIA
Client: USIA PRODUCTION
Master: BCAMsp
Audio 1: Spanish 2: Spanish
07/17/1997 - 1:00:00 Producer: Jodi Reed

AVC-1997-215-1/1 **Mars Pathfinder News Briefing - 7/31/97, 10:00 a.m.**
Update on science activities and atmosphere pictures.
Participants:
Dr. Matthew Golombeck, JPL, Project Scientist
Dr. Michael Malin, Malin Space Systems, Participating Scientist
Dr. Henry Stone, JPL, Rover Team
Dr. Mark Lemmon, U. of Arizona, Science Team Member, Imager for Mars Pathfinder
Dr. Robert Haberle, ARC, Participating Scientist, Atmospheric Structure Inst./Meteorology Package
Dr. Rob Sullivan, Arizona State U., Participating Scientist.
Audience: JPL News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/31/1997 - 1:19:17 Producer: Savona

AVC-1997-217-1/1 **Mars Global Surveyor: Surveying the Martian World**
This edited video production briefly describes the Mars Global Surveyor's objectives using computer animation to graphically illustrate the two-year mapping mission to the 4th planet.
NEW 1997 VERSION
Audience: Gen.
Client: Glenn Cunningham, Org. 1520

Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
Updated in August of 1997
08/06/1997 - 0:05:26 Producer: Savona

AVC-1997-218-1/1 **Mars Pathfinder End of Primary Mission Video File for NASA-TV**
Interviews with Brian Muirhead and Dr. Matthew Golombek, discussing the success of the primary mission. Included are b-roll footage of reactions during key events in the mission, as well as images and animations of data returned from the surface of Mars.
Audience: News Resource
Client: Zeluck/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/06/1997 - 0:23:00 Producer: Goldrich

AVC-1997-219-1/1 **Mars Pathfinder News Briefing - 08/08/97, 11:30 a.m.**
Summary of completed primary mission and a synopsis of the newly acquired data.
Dr. Matthew Golombek, Project Scientist; Richard Cook, Mission Manager; Dr. Tim Schofield, Team Leader, Atmospheric Structure Instrument/ Meteorology Package; Dr. Tom Economou, University of Chicago, Co-Investigator (APXS)
Audience: News Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/08/1997 - 1:14:35 Producer: Goldrich

AVC-1997-220-1/1 **CMA - "A Strategy to Meet the Challenge"**
Caltech Management Association Lecture Series.
Physical, biological and human systems are each composed of interactive components such as the oceans and atmosphere. Peter Eisenberger and Graciela Chichilnisky addressed the issue of human activity and its effect on global climate.
Audience: Gen.
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/11/1997 - 1:10:00 Producer: Beck

AVC-1997-223-1/1 **Mars Pathfinder Video File for NASA-TV**
Four new images of the Martian surface taken by the Pathfinder lander and Sojourner rover, and a short time-lapse movie of the rover near the "rock garden." These

stills and animation were released in conjunction with NASA-TV interviews conducted by Dr. Matt Golombek.
Audience: News Resource
Client: McNevin/PIO/NASA-TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/19/1997 - 0:01:32 Producer: Goldrich

AVC-1997-224-1/1 **JPL/Mattel, Inc. Hot Wheel Video Press Release**
Video press release featuring Mattel employees discussing the recent partnership between JPL and Mattel, Inc. in developing a Hot Wheels toy. Animation of the Sojourner rover is also featured in this package.
Audience: Gen. News Resource
Client: Watson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/20/1997 - 0:07:15 Producer: McNevin/Goldrich

AVC-1997-226-1/1 **Mars Pathfinder Movie Collection**
Recent animated frame movies including: Color Monster Pan, Rover at Scooby-Doo, Rover Movie, Sunrise, Windsocks and Clouds.
Audience: News Resource
Client: Muirhead
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
08/01/1997 - 0:08:45 Producer: Goldrich

AVC-1997-227-1/1 **Return to the Red Planet**
VTV-718 von Kármán Lecture Series -
Dr. Matthew Golombek updates the general public on the Mars Pathfinder mission using images, animations and viewgraphs. A question and answer period follows presentation.
Audience: Gen. Site: V.K. Aud.
Client: Stephanie Zeluck
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/21/1997 - 1:27:00 Producer: Savona

AVC-1997-230-1/1 **Beyond Kidsat**
This compilation includes:
1. Kidsat: A Caltech Student Assisted Production.
2. Flyover of Saudi Arabia. 2X
3. Flyover of Owens Valley. 2X
Audience: Gen. News Resource

Client: JoBea Way
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/25/1997 - 0:13:00 Producer: John Beck

AVC-1997-233-1/1 **Mars Pathfinder News Briefing - 8/27/97, 10:00 AM**
Reported recent discovery of Mineralogy of rocks and new metrology data.
Moderator: Skip McNevin, JPL Public Information Office
Dr. Matthew Golombek, JPL Mars Pathfinder Project Scientist
Dr. Tim Schofield, JPL Team Leader, Atmospheric Structure Instrument/Meteorology Package
Dr. Mark Lemmon, University of Arizona, Science Team Member, Imager for Mars Pathfinder (IMP)
Dr. Tom Economou, University of Chicago, C0-Investigator, Alpha Proton X-ray Spectrometer (APXS)
Howard Eisen, JPL Principal Investigator, Soil Mechanics Technology Experiment
Audience: News Resource Site: von Kármán Aud.
Client: Mars Pathfinder/PAO, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/27/1997 - 1:15:00 Producer: Goldrich

AVC-1997-234-1/1 **Voyager 20th Anniversary Retrospective**
A beautiful recap of Voyager's travels to the outer planets using excerpts out of previous tapes. Designed for Kiosks or opening of a talk.
Revised and reedited version of Voyager in F Major (AVC-94-091), which includes future Voyager events such as Heliopause, star flybys, etc.
Audience: Gen.
Client: Kohlhase
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix AVC-1994-091
08/29/1997 - 0:05:17 Producer: Goldrich/Semerano

AVC-1997-235-1/2 **Cassini Mission Science Briefing**
VTV-723 Includes problem with the Huygens probe-34:00 Min
Opening remarks: Dr. Wesley Huntress
Speakers: Richard J. Spehalski, Dr. Hamid Hassan, Dr. Dennis Madson, Dr. Jean Pierre Lubirtant, Dr. Johnathan Lavine, Carolyn Porco, Larry Soderblom.
Audience: News Site: NASA H.Q.
Client: PIO, Org. 1810
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
09/03/1997 - 1:32:00 Producer: NASA HQ

AVC-1997-235-2/2 **Cassini Mission Science Briefing**
VTV-723 Mission Hardware
Speakers: Richard J. Spehalski, Beverley Cook, and Dr. Enrico.
Audience: News Site: NASA H.Q.
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/03/1997 - 1:02:00 Producer: NASA TV

AVC-1997-236-1/1 **Traffic Surveillance & Detection Technology**
This video demonstrates the capabilities of various video image processing techniques used in traffic surveillance.
Audience: JPL
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/07/1997 - 0:06:00 Producer: Beck

AVC-1997-237-1/1 **Mars Global Surveyor Orbit Insertion Compilation Video**
Includes: Mapping the Martian World, B-Roll of the Spacecraft, Launch and supporting animation.
Audience: News Resource
Client: Skip McNevin/PIO, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/05/1997 - 0:24:00

AVC-1997-238-1/1 **Lake Vostok, Antarctica as a Test Bed for Future Missions to Europa**
Informal Press Briefing
Participants include:
Joan Horvath, JPL Advanced Concepts Office
Dr. Frank Carsey, Oceanographer, JPL
Dr. Larry Mallory, Microbiologist
Audience: News
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/11/1997 - 0:30:00 Producer: Beck

AVC-1997-239-1/1 **The 1997 El Nino Observations from TOPEX/Poseidon Video File**
Stills and animation of data showing the Kelvin waves generated by winds in December 96 - February 97. During

1996, strong winds, blowing from east to west, pile up warm water north of Australia. In this region sea levels and surface temperature were higher than normal.
Audience: News
Client: Skip McNevin/PIO, Org. 1810
Master: BCAMsp
Audio 1: Silent 2: Silent
09/02/1997 - 0:02:00

AVC-1997-240-1/1 **Cassini Downlink System Tutorial**
Speakers: System Eng. & Coord. - O.W. Smith
Real Time Operations (RTO) - D. Doody
Data & Computing Service (DCS) - J. Kounis
Flight System Operations (FSO) - G. Hintz
Navigation - G. Hintz; Spacecraft - K. Stowers
(DOI) - M. Sarrel; (DSN) - P. Donovan
Audience: Tech. Site: 230-309
Client: Ruth Fragoso, Org. 3910
Master: sVHS
Audio 1: Mono mix 2: Mono mix
08/26/1997 - 1:00:00 Producer: McElvain

AVC-1997-241-1/1 **Real Time Commanding Training for Sequence Virtual Teams**
Speakers: Dr. Doug McElroy & Robert Murdock
Audience: Tech. JPL Site: 230-101
Client: Doug McElroy, Org. 3140
Master: sVHS
Audio 1: Mono mix 2: Mono mix
08/29/1997 - 0:37:00 Producer: Somach

AVC-1997-242-1/1 **Cassini Spacecraft Antenna Tutorial**
Speaker: Suzanne Spitz
Audience: Tech. JPL Site: 230-260W
Client: Ruth Fragoso, Org. 3910
Master: sVHS
Audio 1: Mono mix 2: Mono mix
09/04/1997 - 0:24:00 Producer: Somach

AVC-1997-243-1/1 **Cassini Missions and Science Operations Security Training**
Speaker: Ron Aguilar
Audience: Tech. Site: 230-309
Client: Ron Aguilar, Org. 3800
Master: sVHS
Audio 1: Mono mix 2: Mono mix
09/05/1997 - 0:25:00 Producer: Hardine

AVC-1997-244-1/1 **Mars Global Surveyor Pre-Arrival News Briefing**
This briefing summarizes the mission to the red planet to date, focusing on orbit insertion and a technique known as Aerobraking.
Speakers: Dr. William L. Piotrowski, NASA HQ - Sr. Program Executive for Mars Global Surveyor;
Glenn E. Cunningham, JPL - Proj. MGR. for Mars Global Surveyor and Mars Surveyor Operations;
Claude W. "Bud" McAnally III, Lockheed Martin Astronautics - Deputy & Vice Pres. of Flight Systems & Prog. MGR. for Mars Global Surveyor;
Joseph G. Beerer, JPL - Flight Operations MGR. Mars Surveyor Operations Project;
Dr. Arden L. Albee, California Institute of Technology - Proj. scientist for Mars Global Surveyor
Audience: News Site: von Kármán
Client: Cunningham/PIO, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/09/1997 - 1:16:00 Producer: Savona

AVC-1997-245-1/1 **Mars Global Surveyor News Briefing**
Status update of the spacecraft.
Speaker: Glenn E. Cunningham, JPL - Project Manager for Mars Global Surveyor and Mars Surveyor Operations.
No Q&A.
Audience: News Site: von Kármán Aud.
Client: Cunningham/PIO, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/10/1997 - 0:04:00 Producer: Goldrich

AVC-1997-246-1/1 **Mars Global Surveyor Post-MOI News Briefing**
Status report of the Mars Orbit Insertion.
Speakers: Glenn Cunningham, Dr. Wesley Huntress, Dr. Edward Stone, Claude McAnally III and Dr. Pasquale Esposito
A Question and Answer period follows presentation.
Audience: News Site: von Kármán
Client: Cunningham/PIO, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/11/1997 - 0:26:05 Producer: Savona

AVC-1997-247-1/1 **The Three Galileo Conference in Padova, Italy**
Produced in Italy for a Galileo Conference. Recorded on 1/7/97.

Audience: JPL Resource Site: Padova, Italy
Client: Maynard Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/07/1997 - 0:21:50

AVC-1997-248-1/1 **Papal Audience at the Vatican**
Recorded on 1/11/97 at the Vatican with Pope John Paul II.
Audience: JPL Resource
Client: Maynard Hine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/11/1997 - 0:27:37

AVC-1997-249-1/1 **Astrobiology in the Future of NASA**
VTV-749 "Director's Topical Seminar Series"
Speaker Dr. David Morrison, Director of Space at NASA Ames Research Center, discusses NASA's new astrobiology initiative which will study the living universe and communicate the discoveries to the public.
Audience: Gen. Site: von Kármán Aud.
Client: Lynn Osornia
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/15/1997 - 1:00:00 Producer: Beck

AVC-1997-250-1/1 **TOPEX/Poseidon El Nino Compilation**
1,2) El Nino animation released 9/15/97 & 5/23/97.
3) TOPEX/Poseidon satellite animation.
4) Topography of the world ocean and currents.
5) TOPEX/Poseidon Launch.
6) El Nino Animation released 10/14/97 & 12/10/97.
7) *Revised El Nino Animation released 3/26/98
Audience: News Resource
Client: M. Hardin, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1997 - 0:25:55 Producer: Ziats

AVC-1997-251-1/1 **von Kármán Lecture Series - "Countdown to Launch"**
VTV-720 Dr. Ellis Miner discusses the Cassini mission to Saturn and its moons. He describes to the general public the mission and the controversial RTGs using slides and two video productions.
Audience: Gen. Site: von Kármán Aud.
Client: Stephanie Zeluck

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/18/1997 - 1:32:28 Producer: Savona

AVC-1997-252-1/2 **Mars Global Surveyor Orbit Insertion**
Commentary coverage of the MGS spacecraft inserting into the Martian orbit. Includes various pre-tapes of interviews of Project Scientists and Mission Control images from Lockheed Martin in Denver, Colorado and JPL, Pasadena, California.
Audience: News Resource Site: JPL/Denver, Co.
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 2:32:00
09/11/1997 - 1:27:00 Producer: Goldrich

AVC-1997-252-2/2 **Mars Global Surveyor Orbit Insertion**
Part 2 of 2
Audience: News Resource Site: JPL/Denver, Co.
Client: PIO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 2:32:00
09/11/1997 - 1:05:00 Producer: Goldrich

AVC-1997-253-1/1 **Galileo Project Science Briefing**
Speakers: Dr. Karen Buxbaum, JPL
Dr. Steve Joy, UCLA
Dr. Robert Carlson, JPL
Dr. Rosaly Lopes-Gautier, JPL
Dr. David Senske, JPL
Dr. Ashwin Vasavada, Caltech
Audience: Gen. Site: 167-Conf.
Client: Dr. Karen Buxbaum
Master: sVHS
Audio 1: Mono mix 2: Mono mix
09/15/1997 - 2:08:00 Producer: Somach

AVC-1997-254-1/1 **New Millennium Deep Space 1 Video File for NASA-TV**
Computer animation of spacecraft followed by B-Roll of spacecraft in clean room and an interview with Dr. Marc Rayman, New Millennium Deep Space One Chief Mission Engineer
Audience: News
Client: Zeluck/PIO/NASA-TV, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix

09/24/1997 - 0:07:27 Producer: Savona

AVC-1997-255-1/1 **Mars Pathfinder Chronology for Caltech Beckman Night**
We start with clips from "States of Art" production company of interviews with project members; a CNN interview with Matt Golombek; "A Tribute to the Mars Pathfinder Team"; Peter Smith excerpt from 4/4/97 press briefing; new Mars Global push-in; new monster pan of Mars; rover movies; cloud movies and ending with Sunrise image.
No narration - music or actual sound.
Audience: JPL
Client: Brian Muirhead
Master: BCAMsp
Audio 1: Stereo 2: Stereo
09/25/1997 - 0:22:05 Producer: Savona/Semerano

AVC-1997-256-1/1 **New Robots for Mars Science Missions - Planetary Dexterous Manipulators**
Robots have increasingly important roles in planetary science. This program shows the progress made towards four goals in FY97 to extend terrestrial technology to the space environment.
Audience: Tech. Site: JPL
Client: Paul Schenker
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/25/1997 - 0:07:00 Producer: John Beck

AVC-1997-259-1/1 **"The History & Accomplishments of the Tuskegee Airmen" - CMA**
VTV-730 "Caltech Management Association Presentation"
In 1939, the US War Dept. selected Tuskegee, Alabama as a base site for what was called the "Noble Experiment" in which Black pilots were trained to fly for the Army Air Corps. Edward L. Brantley, one of the 450 Black pilots which fought overseas, tells about his experiences.
Audience: Gen. Site: JPL - vKA
Client: M. Flores, Org. CMA
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/30/1997 - 1:20:00 Producer: Beck

AVC-1998-001-1/1 **Mars Global Surveyor Science News Briefing**
Science briefing of the MGS mission. Speakers include: Dr. Arden Albee, Dr. Jack Connerney, Dr. Michael Malin, Dr. Philip Christensen, Dr. David Smith, Dr. Jerry Keating and Dr. Richard Zurek Q & A follows presentation; Brian

Muirhead updates the public on the Pathfinder mission at the start.
Audience: News Site: von Kármán
Client: Cunningham/PIO, Org. 4900
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/02/1997 - 1:30:00 Producer: Savona

AVC-1998-003-1/1
VTV-733

Life Without Oxygen
Director's Topical Seminar Series. Dr. Kenneth Nealson talks about the metabolic versatility of life that might occur in both extreme environments on Earth and on Mars. Viewgraphs and slides highlight the presentation which is introduced by Dr. Chahine.
Audience: Edu. JPL Site: JPL - vKA
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/03/1997 - 1:23:00 Producer: Semerano

AVC-1998-004-1/1

KidSat Presents: View from Space of Fire in Indonesia
KidSat images from shuttle mission STS-86 were used to create a flight over Sumatra. The flight shows fires burning in Indonesia.
Audience: Edu. JPL News Resource Site: JPL
Client: KidSat/Jobea Way
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/03/1997 - 0:02:20 Producer: Eric DeJong

AVC-1998-007-1/1

Mars Pathfinder Science News Briefing
Mission status update and discussion of the planets core. Images from the Sojourner rover and discussion of sand on Mars and weather.
Participants: Jennifer Harris - JPL Flight Dir.
Dr. Matthew Golombek - JPL Project Scientist
Dr. William Folkner - JPL Participating Scientist
Dr. Wes Ward - U.S. Geological Survey, Menlo Park, CA (Rover Scientist)
Dr. Greg Wilson - Arizona State University, Science Team Member, Atmospheric Structure Instrument/Meteorology Package (ASI/MET) Facility Instrument
Audience: JPL News Site: JPL/von Kármán
Client: Muirhead/PIO, Org. 4900
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix

10/08/1997 - 1:17:00 Producer: Savona

AVC-1998-012-1/1

Lightweight Planetary Rovers for Mars Science & Sample Return
Future mobile robots will explore a diverse Mars terrain & environment. This program shows the progress made towards a lightweight survivable rover and sample return rover.
Audience: JPL
Client: Paul Schenker
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/10/1997 - 0:04:30 Producer: John Beck

AVC-1998-013-1/1 **Cassini/Titan IV L-2 Press Conference**
Presenters: Dr. Wesley Huntress, Dr. Roger Bonnet, Prof. Giancarlo Setti, Col. Everett Thomas, Heinz Wimmer, Beverly Cook, John Weems
Audience: News Site: KSC
Client: Nancy Lovato, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/11/1997 - 1:03:00 Producer: KSC

AVC-1998-015-1/1 **MET Systems Survivability Task: FY97 Accomplishments**
This video demonstrates the accomplishments made in the area of Thermal Control, low-temperature electronics and batteries, and the survivability of Mars Exploration Technology (MET) rovers.
Audience: NASA
Client: Ram Manvi
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/14/1997 - 0:05:30 Producer: Beck

AVC-1998-016-1/1 **Cassini Launch Night Program**
Switched program of activities in von Kármán Auditorium and building 230 Mission Operations during Cassini Launch. Welcome by Ron Draper.
Tape starts at T-40 minutes and goes to T+40 minutes.
Audience: Gen. Resource Site: von Kármán
Client: Ken Williams, Org. 3110
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 1:20:00 Producer: Hanchett

AVC-1998-017-1/1 **Cassini Launch from KSC**

VTV-722 Launch coverage of the Titan IV Rocket with the Cassini spacecraft from KSC. Coverage shows launch through spacecraft separation. The Cassini spacecraft will orbit Saturn. Launch is at 1:06:01:00.
Audience: Gen. News Resource Site: KSC
Client: PIO, Org. 181
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 1:24:00 Producer: KSC (Borst)

AVC-1998-018-1/1 **Cassini Post Launch Press Briefing from KSC**
Speakers:
Dr. Wesley Huntress - NASA Associate Administrator, Office of Space Science;
Dr. Roger Bonnet - Dir. of Science Prog. ESA;
Dr. Enrico Flanmini - Cassini Program Manager, Italian Space Agency;
Dr. Ed Stone - Director, JPL;
Brig Gen Randall Starbuck - Commander 45th Space Wing, USAF;
Heinz Wimmer - Launch Vehicle Integration Manager, LeRC;
Richard Spehalski - Cassini Program Manager, JPL;
Beverly Cook - Director, Space Nuclear Programs, DOE
Audience: News Site: KSC
Client: Nancy Lovato, Org. 181
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 0:24:00 Producer: KSC (Borst)

AVC-1998-020-1/1 **Robotic Assisted Microsurgery - RAMS FY'97**
Accomplishments of RAMS in FY'97
Audience: Gen. Site: JPL
Client: Hari Das, Org. 3450
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 0:05:13 Producer: Savona

AVC-1998-021-1/1 **Rocky 7 - Mojave Desert Field Tests**
Accomplishments of the Rocky 7 rover in Lavic Lake, Mojave Desert in May 1997
Audience: Gen. Site: Lavic Lake
Client: Samad Hayati, Org. 3450
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
10/15/1997 - 0:07:09 Producer: Savona

AVC-1998-022-1/1 **Mars Global Surveyor Orbit Insertion B-Roll**

Includes footage of MGS personnel in building 264 involved in orbit insertion activities
Audience: News Resource
Client: Zeluck, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/15/1997 - 0:00:00 Producer: Beck

AVC-1998-023-1/2 **Chapters in Aerospace History - Donna Shirley**
JPL manager Donna Shirley is interviewed by Dr. Albert Hibbs for the California Museum of Science and Industry's archives. Donna recounts her experiences from the early years at the lab to the present.
Audience: Edu. Site: TV Studio
Client: Dr. Shirley Thomas, Org. 182
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT: 1:23:21
10/20/1997 - 0:56:09 Producer: Semerano

AVC-1998-023-2/2 **Chapters in Aerospace History - Donna Shirley**
Part 2 of 2
Audience: Edu. Resource Site: TV Studio
Client: Dr. Shirley Thomas, Org. 182
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT: 1:23:21
10/20/1997 - 0:27:12 Producer: Savona

AVC-1998-026-1/1 **Genesis Mission Media Reel**
Computer generated animation of the Lockheed Martin-built Genesis spacecraft. Includes footage of the sun from the Yohkoh mission; NASA animation depicting the formation of the universe; and computer-generated Genesis logos.
Audience: News Resource Site: Denver, CO
Client: Zeluck
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
Internal duplication only!
10/27/1997 - 0:05:00 Producer: Lockheed-Martin

AVC-1998-027-1/1 **Galileo Science Summary October, 1997**
This compilation consists of the following visualizations:
Mission Summary:
Probe Release - :46
Probe Entry - :39

Data Relay - :17
Jupiter Orbit Insertion - :12
Orbital Tour - 1:54
Jupiter's Atmosphere:
5 micron "hotspot" dynamics - 1:53
Simulated flight over the "hotspot" - 1:08
Io:
Internal structure derived from gravity data - :45
Ganymede:
Magnetic Data and Radio Noise - :34
Magnetic Field Model - :46
Internal Structure derived from gravity data - :24
Zoom into Uruk Sulcus - :43
Zoom into Galileo Regio - :43
Simulated flight over Galileo Regio - :38
Europa:
Zoom & Pan into Minos Linea - 1:22
Closest approach - 6th orbit - :51
Zoom into Europa - :32
Simulated flight over Ice Rafts - :54
Edited version for presentation purposes by Torrence Johnson.
Audience: Tech. Resource
Client: Torrence Johnson, Org. 950
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1997 - 0:17:34 Producer: Savona

AVC-1998-028-1/1
VTV-725

CMA - "Martian Life and Its Implications for Humankind's Place..."
A Caltech Management Association talk.
Robert Jastrow ponders, if there is life on Mars then life independently evolved on two planets in one solar system and is not a highly improbable event. This would carry the implication that the universe teems with life, much of it billions of years older than life on Earth.
Audience: Gen. Site: von Kármán
Client: Mina Flores, Org. 6100
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/30/1997 - 0:50:46 Producer: Savona

AVC-1998-029-1/1

Colliding Galaxies - Hubble Space Telescope
Hubble Space Telescope's images.
1. Zoom into the antennae Galaxies
2. Galaxy merger evolution sequence
3. The formation of the Antennae pair

4. Artist conception of the collision of Milky-Way Galaxy with Andromeda
Audience: Resource
Client: PIO/Jurrie, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/21/1997 - 0:06:13

AVC-1998-030-1/1 **Mars Pathfinder News Briefing**
Final mission report given to the press. Participants: Brian Muirhead, Richard Cook, Dr. Jake Matijevic, Dr. Matthew Golombek, Dr. Timothy Parker, Kathleen Spellman and Peter Smith.
Audience: News Site: von Kármán
Client: Muirhead/PIO, Org. 4900
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/04/1997 - 1:07:23 Producer: Savona

AVC-1998-031-1/1 **New Millennium DS2 Battery & Probe Tests Video File for NASA-TV**
Interviews with Sarah Gavit, DS2 Project Manager discussing the mission & recent tests; testing in Socorro, N.M. of the DS2 battery & probe; high-speed footage of probe impact from a previous test; animation of the DS2 separation from Mars'98
and penetration into Martian soil.
Audience: News Resource
Client: Stephanie Zeluck
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/06/1997 - 0:16:33 Producer: John Beck

AVC-1998-032-1/1 **TRMM Pre-launch & Science Briefing**
Briefing on NASA & Japanese Earth Satellite TRMM (Tropical Rainfall Measurement Mission) to be launched from Japan.
Panelists:
Tom LaVigna, TRMM Project Manager, GSFC
Hideshi Kozawa, NASDA
Joanne Simpson, TRMM Project Scientist
Christian Kummerow, TRMM Dep. Proj. Sci., GSFC.
Audience: News Resource Site: NASA HQ
Client: Mary Hardin, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/06/1997 - 0:46:30 Producer: Borst

AVC-1998-033-1/1 **Stardust Mission Overview and Name Microchip Video File for NASA TV**

Interview with Dr. Kenneth Atkins, Stardust Project Manager, discussing the mission and onboard microchip containing names submitted by the public; b-roll of a sample microchip & names viewed under an electron microscope; new animation of Stardust showing launch through sample return.
Audience: News Resource Site: JPL
Client: Stephanie Zeluck
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/07/1997 - 0:17:00 Producer: John Beck

AVC-1998-034-1/1 **Stardust Animation**

This animation shows the Stardust spacecraft intercept the comet Wild-2 and carry samples back to Earth.
Produced for JPL by the Engineered Multimedia Group.
Audience: Gen. Resource
Client: Aimee Whalen
Master: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
11/07/1997 - 0:07:31 Producer: Robert Abannot

AVC-1998-035-1/1 **Mars Global Surveyor Press Briefing**
VTV-726

MGS operations of spacecraft aerobraking and science activities from the TES, Laser Altimeter, Camera, Mag./Electron and New Mission Plan. Participants include: Glenn Cunningham, Dr. Arden Albee, Dr. David Smith, Dr. Michael Malin, Dr. Philip Christensen and Dr. David Mitchell
Audience: News Site: JPL TV Studio
Client: Cunningham/PIO, Org. 4900
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/10/1997 - 0:59:30 Producer: Savona

AVC-1998-037-1/1 **Imaging Radar**

An edited production of an overview, history and future applications of spaceborne imaging radar.
Audience: Gen. Edu.
Client: Mona Jasnow
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/09/1997 - 0:06:07 Producer: Semerano

AVC-1998-038-1/1

Mars Pathfinder / TED Project

States of Art produced this dramatic overview of the Mars Pathfinder mission for the TED Convention. It includes interviews with team members and video footage shot both before and after the July 4th landing on Mars.
Audience: Gen. Resource Site: JPL
Client: Brian Muirhead
Master: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
09/24/1997 - 0:12:20 Producer: D.Tate/States of Art

AVC-1998-039-1/1 **Live From Mars #5: "Today on Mars"**
A Passport to Knowledge Project production. The last of a 5-part series following the progress of the Mars Pathfinder and Mars Global Surveyor projects. Students asked questions. Hosted by Camille Moody and David Seidel.
Featured Phil Christensen, Glenn Cunningham, Norm Haynes, Wayne Lee, and Donna Shirley.
Weather data and imagery from Mars show what has been learned to date from the Pathfinder lander and rover: how the continuing data stream provides students with material to analyze in math and computer classes. What Sojourner has revealed,
to date, about the actual composition of Martian rocks, and what this implies for the question of liquid water and the possibility of life. A preview of the next decade of exploration.
Audience: Gen. Edu. Site: JPL/ASU
Client: Haines-Stiles/Bridges, Org. 182
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
http://quest.arc.NASA.gov/mars/
11/13/1997 - 1:00:00 Producer: Passport to Knowledge

AVC-1998-041-1/1 **Deep Space 1**
A narrated description of the mission profile of the Deep Space 1 spacecraft. Included are animations showing the spacecraft leaving Earth, navigating in deep space and later flying by Mars an asteroid and a comet.
Audience: Gen. News Resource
Client: Suzanne D'Mello
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/16/1997 - 0:02:58 Producer: Semerano

AVC-1998-042-1/1 **Journey to Jupiter - An Update on Galileo's Mission to Jupiter**
Lead Outreach Coordinator, Leslie Lowes hosts this Galileo

Mission update featuring the Galileo Project Manager, Bill O'Neil and special commentary from Dr. Arthur C. Clarke. Question and answer from the audience follows.
Audience: Gen. Site: JPL, von Kármán
Client: Leslie Lowes
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/17/1997 - 1:04:00 Producer: John Beck

AVC-1998-044-1/1 **Microwave Limb Sounder El Nino Animation**
Animation showing the development of the current El Nino based on upper atmospheric water vapor measurements at 10Km. Upper Tropospheric Humidity Data taken by the Microwave Limb Sounder on board the Upper Atmospheric Research Satellite.
*Revised 3/3/98. Latest release on end.
Audience: Resource
Client: Zeluck
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
03/03/1998 - 0:07:31 Producer: HQ

AVC-1998-045-1/2 **von Kármán Lecture Series - "An Astronaut's View: Dr. Story Musgrave**
VTV-727
In this talk, he discusses his experiences aboard the Space Shuttle and his work on the first Hubble Space Telescope repair mission - he uses these experiences as a basis to present his views of the universe.
Audience: Gen. Site: JPL - vKA
Client: Stephanie Zeluck, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 01:43:30
11/20/1997 - 1:30:00 Producer: Savona

AVC-1998-045-2/2 **von Kármán Lecture Series - An Astronaut's View: Dr. Story Musgrave**
VTV-727
Part 2 of 2
Audience: Gen. Site: JPL vKA
Client: Stephanie Zeluck, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 01:43:30
11/20/1997 - 0:13:30 Producer: Savona

AVC-1998-048-1/1 **Solo Spirit Balloon Flight - Video File for NASA-TV**
Interviews with JPL's Jim Cutts & Jonathan Cameron and Washington University's Dr. Ray Arvidson discussing the

scientific objectives of the small payload onboard Steve Fossett's balloon to fly around the world. Includes b-roll of the payload, public web site, and balloon launch test footage.
Audience: News Resource Site: JPL/Wash. Univ.
Client: PIO/Zeluck
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1997 - 0:11:50 Producer: John Beck

AVC-1998-052-1/1
VTV-730
Mars Pathfinder First Day of Issue Stamp Ceremony
The unveiling of the new U.S. Postal stamp commemorating the historic achievements of the Mars Pathfinder mission. A musical prelude by the U.S. Marine Corps begins the event. Presiding over the activities is Robert Mysel, Postmaster, Pasadena. A rover model unveils the stamp.
Audience: JPL Site: JPL Mall
Client: Kim Lievense
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/10/1997 - 0:23:28 Producer: Savona

AVC-1998-053-1/1
"The Clouds of Venus" - Short Version
Originally created as a 30 minute production in 1962, this film to tape transfer tells the story of Mariner II's journey to Venus & reports its findings.
Audience: Gen.
Client: Bridges
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix frm AVC 92-173
12/12/1997 - 0:08:37 Producer: Beck

AVC-1998-054-1/1
TOPEX/El Nino 12/18 Release - Video File for NASA-TV
TOPEX/Poseidon El Nino animation released 12/18 showing the increase and decrease in the Pacific Ocean warm water pool as part of El Nino's natural rhythm. Includes an interview with Dr. Lee-Lueng Fu, TOPEX/Poseidon Project Scientist discussing El Nino.
Audience: News Resource Site: Animation
Client: S. Zeluck/PIO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/16/1997 - 0:07:28 Producer: Gary Savona

AVC-1998-055-1/1
Mariner II 35th Anniversary Retrospective

VTV-732 A retrospective by Jack James on the Mariner II Mission to Venus. Introduction by John Casani. Following Jack James is Jeff Plaut talking on the Magellan Mission to Venus. Questions by audience members. Surveillance camera videotaping.
AVC-98-053 Clouds of Venus preludes.
Audience: Gen. Site: von Kármán Aud.
Client: Zeluck
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/12/1997 - 1:13:30 Producer: Ziats

AVC-1998-056-1/1 **Galileo Science Update (End of Prime Mission)**
Galileo scientists and engineers recap highlights of Galileo's primary mission and reviewed the new Galileo Europa mission. Showed new still pictures and video animation, some based on the Nov. 6th, 1997 Europa flyby.
Participants:
Jane Platt - Introduction
Bill O'Neil, Proj. Manager, Galileo Primary Mission - JPL
Dr. Torrance Johnson, Galileo Proj. Scientist - JPL
Dr. Ronald Greeley, Galileo Imaging Team - Arizona State University
Bob Mitchell, Proj. Manager (Galileo Europa Mission - JPL
Dr. Karen Buxbaum, Galileo Science Planning Manager - JPL
David Seidel, Moderator - JPL
Audience: News Site: JPL
Client: PIO/Zeluck, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/16/1997 - 0:57:00 Producer: Savona

AVC-1998-060-1/1 **Space Interferometry Mission (SIM)**
An edited production describing a future interferometer mission called SIM. Computer animation illustrates how interferometry works.
For presentation at the American Astronomical Society (AAS) conference in Washington D.C.
Audience: Tech.
Client: Dr. Firouz Naderi
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
01/04/1998 - 0:08:05 Producer: Savona

AVC-1998-063-1/2 **Cassini Flow Compilation**
Audience: Resource Site: JPL

Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/18/1998 - 0:40:00 Producer: Semerano

AVC-1998-063-2/2 **Cassini Flow Compilation**
Audience: Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/18/1998 - 1:02:00

AVC-1998-065-1/1 **Explorer 1 40th Anniversary - Video File for NASA-TV**
1)Interview with Dr. James Van Allen, instrument scientist for Explorer's Cosmic Ray Experiment.
2) Interview with Dr. William Pickering, Director of JPL from 1954-1976.
3)Interview with Donna Shirley, Manager, JPL's Mars Exploration Program.
4)Portions of X-80 Days, a documentary of Explorer 1.
Audience: Gen. JPL NASA News Resource Site: JPL
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/26/1998 - 0:26:30 Producer: John Beck

AVC-1998-067-1/1 **Searching For Planets Around Other Stars**
VTV-735 Speaker: Professor Geoffrey Marcy
Astronomers have finally discovered planets orbiting Sun-like stars and Prof. Marcy explained how these discoveries became possible, and he will survey our current state of understanding of the new planetary systems.
Audience: Tech. JPL Site: JPL
Client: C. Lowenstein, Org. 7200
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/28/1998 - 1:19:00 Producer: BECK

AVC-1998-068-1/1 **Mars Exploration Compilation**
Visual support for speakers discussing past and future programs dedicated to the exploration of Mars. Included are Mars Pathfinder, Mars Global Surveyor and Mars '98.
Audience: Edu. Resource
Client: Larry Soderblom
Master: BCAMsp
Audio 1: Silent 2: Silent

02/01/1998 - 0:20:00 Producer: Semerano

AVC-1998-070-1/1 **Mars Surveyor '98 Lander Integration - Video File for NASA-TV**
1) Animation of the Mars '98 lander mission.
2) B-roll of tests & integration of the Mars '98 science payload at JPL.
3) B-roll of Mars '98 at Lockheed Martin, Denver CO.
4) Interviews with: Dr. John McNamee, Dr. Young Park, & Dr. Richard Zurek.
5) New images from MGS of the Mars '98 landing site.
Audience: News Resource Site: JPL/LMA, Denver
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/07/1998 - 0:25:28 Producer: Beck/Semerano

AVC-1998-071-1/1 **Voyager 1 Passes Pioneer 10 - Video File for NASA-TV**
Animation depicting how after 2/17/98, Voyager 1 will have passed Pioneer 10 to become the farthest human-made object in the solar system. Includes interviews with Dr. Edward Stone, JPL Director / Voyager Project Scientist & Ed Massey, Voyager Project Manager. "Best of" images from Voyager 1.
Audience: News Resource Site: JPL
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/10/1998 - 0:08:54 Producer: Beck/Semerano

AVC-1998-072-1/1 **News Briefing - NASA Radar Reveals Hidden Remains at Angkor**
A press briefing about new evidence of a prehistoric civilization and remnants of ancient temples in Angkor, Cambodia have been discovered by researchers using highly detailed maps produced with data from an airborne imaging radar instrument created by NASA/JPL.
Audience: News Site: von Kármán Aud.
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/12/1998 - 0:40:31 Producer: Savona

AVC-1998-075-1/1 **Earth & Space Science Colloquium - "The Age and Size of the Universe"**
VTV-739
Dr. Wendy Freedman talks of the Hubble constant eluding astronomers. A determination of the Hubble constant requires a means of accurately measuring the distances to galaxies, a task that is considerably more difficult than

originally anticipated.
Audience: JPL Site: von Kármán Aud.
Client: Cary Loewenstein, Org. 7200
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/23/1998 - 1:00:00 Producer: Savona

AVC-1998-076-1/1
VTV-740

Mars Orbiter Camera: Views from the Aerobraking Orbit
Director's Topical Seminar Series
Speaker: Dr. Michael Malin, Malin Space Science Systems.
Audience: Gen. Site: von Kármán Aud.
Client: Lynn Osornia, Org. 1000
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/23/1998 - 1:35:00 Producer: John Beck

AVC-1998-078-1/1

Space Interferometry Mission: An Overview
Jim Marr, SIM Instrument Manager, presents an overview of the Space Interferometry Mission: A mission which provides the resolving power and sensitivity of a 10 meter telescope with smaller multiple apertures.
Audience: Tech. JPL Site: JPL
Client: Bill Goss
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/25/1998 - 0:44:00 Producer: Semerano

AVC-1998-081-1/1

Galileo Europa E12 Images & Animation
Zoom into Jupiter's moon Europa "Wedge" Terrain; Zoom into Europa "Chaos" Terrain; Europa E12 animation; Europa E13 animation 9:18. Collection of stills of E12 Encounter 2:40.
Audience: News Resource
Client: Stephanie Zeluck
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/02/1998 - 0:12:00 Producer: Eric DeJong

AVC-1998-082-1/1

Mars Global Surveyor Centennial Orbit Animation
This is an animation of Mars Global Surveyor showing the aerobraking drag pass and science rollout during the 100th orbit about Mars on January 20, 1998.
Audience: JPL Resource
Client: John Callas, Org. 3231
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
03/02/1998 - 0:03:00 Producer: Callas

AVC-1998-084-1/1 **Mars Pathfinder End of Mission Press Briefing**
Speakers include Brian Muirhead, Jennifer Harris and Matt Golombek
Q and A follows presentations.
Audience: News Site: von Kármán Aud.
Client: Media Relations Off., Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/10/1998 - 0:15:19 Producer: Savona

AVC-1998-085-1/1 **Last Attempt to Contact Mars Pathfinder - Video File for NASA TV**
B-roll of the Mars Pathfinder Mission Ops area on 3/10/98 when a final attempt was made to contact Mars Pathfinder. After no signal was received, a mission status was delivered in von Kármán Auditorium by Brian Muirhead, Jennifer Harris, & Matt Golombek announcing the end of the mission.
Audience: News Resource Site: JPL
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/10/1998 - 0:18:06 Producer: Semerano

AVC-1998-086-1/1 **Lunar Prospector Early Science Results**
Press Conference from NASA Ames Research Center.
Audience: News Resource
Client: AMES RESEARCH
Master: sVHS
Audio 1: Mono mix 2: Mono mix
03/05/1998 - 1:30:00

AVC-1998-087-1/1 **Mars Global Surveyor Science Magazine - Video File for NASA-TV**
New images and flyover imagery from Mars Global Surveyor released in conjunction with a Science Magazine article on 3/13/98. Includes interviews with MGS Project Manager Glenn E. Cunningham and MGS Project Scientist Dr. Arden Albee. Mars images by Malin Space Science Systems, Inc.
Audience: News Resource Site: JPL/Malin SSS
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/12/1998 - 0:22:00 Producer: Parrillo

AVC-1998-089-1/1 **SIRTF Development Phase - Video File for NASA-TV**
1)Animation of the Space Infrared Telescope Facility (SIRTF)
2)b-roll of SIRTF shake tests

3)Interview with Larry Simmons, SIRTF Project Manager;
4)Interview with Dr. Mike Werner, SIRTF Project Scientist.
Both discuss the scientific objectives of SIRTF.
Note: Renamed "The Spitzer Space Telescope"
Audience: News Resource Site: JPL
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/18/1998 - 0:15:02 Producer: Parrillo

AVC-1998-090-1/1 **El Nino Clips for Educators**
Excerpt from AVC-95-091; Segment 7 from AVC-97-250;
Animation from Tim Liu and Local News
Audience: Edu.
Client: Diane Evans
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/17/1998 - 0:12:17 Producer: Savona

AVC-1998-092-1/1 **Chixculub Impact Crater - Video File for NASA-TV**
B-roll of a Planetary Society-sponsored expedition to the Chixculub impact crater in Belize in January, 1998, revealing more evidence of a catastrophic asteroid impact that killed off the dinosaurs. Includes an interview with Adriana Ocampo, NASA Planetary Geologist and part of the Belize expedition.
Audience: News Resource Site: JPL/NASA HQ
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/09/1998 - 0:13:11 Producer: Savona

AVC-1998-093-1/1 **TOPEX/Poseidon 3/26 El Nino Release - Video File for NASA-TV**
Animation depicting the evolution and decrease of the El Nino warm water pool from 12/96 to 3/98.
Interview with Dr. Bill Patzert, JPL Research Scientist describing the animation and the expected duration of the current El Nino.
Audience: News Resource Site: JPL
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/24/1998 - 0:05:44 Producer: Savona

AVC-1998-094-1/1 **MGS Images Martian Sites of Public Interest - Video File for NASA-TV**
A still image of the Cydonia, or "face" region of Mars

imaged by the Viking 1 Orbiter in 1976. Interview with Glenn E. Cunningham, Mars Surveyor Operations Project Manager at JPL, discussing the upcoming imaging and scientific campaigns for Mars Global Surveyor.
Audience: News Resource Site: JPL
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/24/1998 - 0:06:54 Producer: Savona

AVC-1998-095-1/1 **Ground Collision Avoidance Software - Video File for NASA-TV**
Footage of a pilot using TerrAvoid and Position Integrity, software-based collision avoidance programs using JPL's GeoTIFF mapping architecture. Interview with Bob Severino, President of Dubbs & Severino, the software developers and Merle McKenzie, Mgr. of JPL's Commercial Technology Program.
Audience: News Site: JPL
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/26/1998 - 0:07:44 Producer: Savona

AVC-1998-097-1/1 **SSV Mars Pathfinder Collection (Preliminary Version)**
Solar System Visualization Project Collection of The Mars Pathfinder (MPF) Mission animations. This collection includes panoramic views of the MPF landing site and animations of the Sojourner rover.
Audience: JPL Resource Site: DIAL/JPL/CIT
Client: Eric De Jong, Org. 3233
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/04/1998 - 0:20:00 Producer: Eric De Jong

AVC-1998-098-1/2 **SSV Galileo Collection**
Solar System Visualization Project Collection of The Project Galileo animations. This collection includes: displays of the Galileo Spacecraft, The Mission trajectory, and close-up views of Io, Europa, Ganymede, Callisto and Jupiter.
Audience: Tech. JPL Site: DIAL/JPL/CIT
Client: Eric De Jong, Org. 3233
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/05/1998 - 1:03:15 Producer: Eric De Jong

AVC-1998-098-2/2 **SSV Galileo Collection**
Part 2 of 2.

Audience: Tech. JPL Site: DIAL/JPL/CIT
Client: Eric De Jong, Org. 3233
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/05/1998 - 0:46:00 Producer: Eric De Jong

AVC-1998-099-1/1 **SSV Collection of Earth Science Examples**
Solar System Visualization Project Collection of Earth Science Visualization animations. The collection includes: global views of the ozone layer, images from the SIR/C Mission, and computer simulations of the EOS/AM1 and Topex/Poseidon orbiters.
Audience: Tech. JPL Site: DIAL/LAB/CIT
Client: Eric De Jong, Org. 3233
Master: BCAMsp
Audio 1: 2:
04/13/1998 - 0:21:18 Producer: Eric De Jong

AVC-1998-100-1/2 **How to use DNS Services & The Business Case for DNS**
VTV-751 Steve Bluhm, the JPL DNS Contract Manager, presents details about the DNS contract, services and the procedures for using them.
Q & A follows presentation.
Audience: JPL Site: von Kármán Aud.
Client: Vicki Laidig, Org. 1710
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/31/1998 - 1:00:22 Producer: Savona

AVC-1998-100-2/2 **How to use DNS Services & The Business Case for DNS**
VTV-751 Part 2 of 2
Audience: JPL Site: von Kármán Aud.
Client: Vicki Laidig, Org. 1710
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/31/1998 - 0:43:30 Producer: Savona

AVC-1998-101-1/1 **Lewis Center for Educational Research - Video File for NASA-TV**
B-roll of the newly dedicated Lewis Ctr. for Educational Research, Apple Valley CA. Shows exterior shots plus students operating the DSS-12 dish from mission control; shot of the DSS-12 antenna at Goldstone. Interview with Rick Piercy, Chief Operations Officer of the Center.
Audience: News Resource Site: JPL
Client: S.Zeluck/MRO, Org. 1810
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
04/01/1998 - 0:07:12 Producer: Parrillo

AVC-1998-102-1/1 **The Pathfinders - full length version**
--- see pathfinders AVC-1998-202 -----
Audience: Gen. Edu. Resource
Client: Brian Muirhead
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/22/1998 - 0:36:00 Producer: John Beck

AVC-1998-102-1/2 **The Pathfinders (9 minute version)**
A dramatic look at the Mars Pathfinder Mission as told by its team members. This 9 minute version of the full length Pathfinder documentary gives a brief summary of the history which lead to the July 4th Landing Day.
Audience: Gen. Edu. Resource
Client: Brian Muirhead
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/01/1998 - 0:09:00 Producer: John Beck

AVC-1998-102-1/3 **The Pathfinders (3 minute version)**
A dramatic look at the Mars Pathfinder Mission as told by its team members. This 3 minute version of the full length Pathfinder documentary gives a brief summary of the history which lead to the July 4th Landing Day.
Audience: Gen. Edu. Resource
Client: Brian Muirhead
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/01/1998 - 0:03:15 Producer: John Beck

AVC-1998-103-1/1 **MGS Images of Cydonia Taken 4/05/98**
One unprocessed and one processed image of the Cydonia, or "face" region of Mars, taken by Mars Global Surveyor 4/5/98.
Audience: News Resource Site: JPL
Client: S. Zeluck/MRO, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/06/1998 - 0:01:50 Producer: JPL MIPL

AVC-1998-104-1/1 **Mars Global Surveyor - Mars Orbit Insertion Animation**
An animation of the orbit insertion maneuver of the Mars Global Surveyor spacecraft.
Audience: JPL Resource

Client: John Callas, Org. 3231
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
04/14/1998 - 0:02:14 Producer: Callas

AVC-1998-106-1/1 **Star HR-4796 - Video File for NASA-TV**
Interview with Dr. Michael Werner, Sr. Research Scientist, JPL, discussing the discovery of planetary forming material around the star HR 4796. B-roll footage of the Keck II Observatory in Hawaii. Animation depicting the formation of a solar system and images of HR 4796 taken by Keck.
Audience: News Resource Site: JPL
Client: S.Chavez/ MRO /NASA
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/17/1998 - 0:09:32 Producer: Chavez

AVC-1998-109-1/1 **DS3-Separated Spacecraft Interferometer**
A production depicting an experiment with formation flying spacecraft and interferometry. DS3 is an experimental mission of the New Millennium Program.
Audience: Gen.
Client: Suzanne D'Mello
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/27/1998 - 0:03:52 Producer: Semerano

AVC-1998-117-1/1 **Space Science Update: Cosmic Fireworks**
Recorded off NASA T.V.
Audience: Tech. NASA Resource Site: NASA HQ
Client: Jurrie/MRO, Org. 1810
Master: sVHS
Audio 1: Mono mix 2: Mono mix
05/06/1998 - 1:03:00 Producer: Ziats

AVC-1998-120-1/1 **Outside the Envelope - Exploring Beyond Earth's Boundaries**
Fairfax Network production involving Scientist from JPL and JSC discussing space exploration with past present and future technologies. Produced in cooperation of the Galileo Project Outreach Office.
Audience: Gen. Edu. Site: Off Satellite
Client: Leslie Lowes
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/20/1998 - 1:00:00 Producer: Bridges (JPL)

AVC-1998-121-1/1 **Europa: Another Water World**
A discussion on the possibility of life under Europa's crust. Live broadcast from Caltech's Beckman Auditorium. Panel includes Dr. Richard Terrile, Ms. Joan Horvath, Dr. John Delaney and Jim Klamaszewski. Special televised remarks from Sir Arthur C. Clarke. Moderated by Leslie Lowes.
Audience: Gen. Site: Caltech
Client: Leslie Lowes, Org. 9500
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/21/1998 - 1:30:00 Producer: Hanchett/Borst

AVC-1998-125-1/1 **Space Science Update - Runaway Planet**
Science Briefing at NASA-HQ regarding Planet TMR-1C in the Constellation Taurus that has been expelled from the system. Panelists are Dr. Susan Terebey Extrasolar Research Corp.; Dr. Alan Boss Carnegie Institution of Washington; Dr. Ed Weiler Dir NASA Origins Program; Dr. Steve Strom Univ. of Mass. Amherst; and Dr. Anne Kinney Space Telescope Science Institute.
Audience: News Resource Site: NASA HQ
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/28/1998 - 1:17:50 Producer: Hanchett

AVC-1998-128-1/1 **Seawinds on QuikSCAT - Video File**
Pre launch milestone: Seawinds/QuikSCAT shipped to Ball Aerospace, Boulder Co.
1. Animation
2. Jim Graf Interview
3. S/C in SAF at JPL
Audience: News Resource Site: JPL
Client: Jim Graf/JPL, Org. 7830
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/02/1998 - 0:11:38 Producer: Dawson

AVC-1998-129-1/1 **Asteroid Castalia Impact Simulation**
Animation shows the target asteroid (Castalia) breaking into pieces as a result of the collision. The originally solid rock is colored red when it is fractured, so red lines are actual cracks spreading through the target. White dots show impactor material, which is ejected from the scene at high speed. 1/10 of the target asteroid is also ejected at escape

velocity by the collision, and never comes back. The whole simulation lasts a little more than one second.
In the aftermath, the fragments will move apart, and eventually reassemble to form a "rubble pile" body with 9/10 the original mass.
"Target": The peanut-shaped Earth-crossing asteroid Castalia, one mile (1.6 kilometers) across, modeled as a single solid rock. It weighs 1.2 billion tons.
"Impactor": 16 meters (50 feet)across, modeled as a single rock. The size of a large house. It weighs 6000 tons.
Collision Speed: 5 kilometers/second, more than ten times faster than a rifle bullet. This speed is typical for collisions between asteroids.
The energy of a collision is equal to half the impactor mass, times the square of its speed.
The energy of the impact is equivalent to a 17 kiloton explosion.
Audience: Tech. JPL Site: DIAL LAB/JPL
Client: Eric DeJong, Org. 3233
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/03/1998 - 0:02:00 Producer: DIAL LAB

AVC-1998-130-1/1 **Vehicle Early Warning Safety System - Video File**
B-roll of Jim Davidson describing system using model along with supporting cutaways
Interview with Conrad Foster
Interview with Jim Davidson
B-roll of real system at intersection in operation
Audience: News Resource
Client: PIO/Dawson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/10/1998 - 0:09:28 Producer: Parrillo/Savona

AVC-1998-133-1/1 **Fuk Li Interview Airborne Cloud Radar - Video File**
Interview with Dr. Fuk Li, PI on JPL's Airborne Cloud Radar Experiment.
"B" roll- Time Lapse study of clouds.
Audience: News Resource
Client: Video File
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/11/1998 - 0:11:15 Producer: Mary Hardin

AVC-1998-138-1/1 **The 1997-98 El Nino: Observations from TOPEX/Poseidon**

The 1997-1998 El Nino: Observations from TOPEX/Poseidon Dec 3, 1996 - June 14, 1998
Audience: Resource
Client: Topex-Poseidon
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/24/1998 - 0:03:30 Producer: Mary Hardin

AVC-1998-140-1/1 **Mars Pathfinder & Mars '98 Press Briefing Supporting Visuals**
Animation Sagan Station, Animation of Sojournor path, Animation of the landing and deployment of Pathfinder, live footage of control room activity during landing.
Mars '98 animation of landing and deployment, B-roll footage of scooper operation.
Audience: News Resource
Client: Ainsworth/Dawson
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/26/1998 - 0:14:56 Producer: Savona

AVC-1998-141-1/1 **Mars Pathfinder and Mars '98 Science Briefing**
VTV-766
Scientists discuss the latest findings from the Pathfinder mission, one year after the Mars landing.
Presenters include: Dr. Matthew Golombek, Dr. Joy Crisp, Stephen Metzger, Dr. Diana Blaney, Dr. Richard Zurek and Moderator, David Seidel.
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/29/1998 - 0:40:40 Producer: Savona

AVC-1998-150-1/1 **Asteroid Composite Tape**
Simulated Asteroid Encounter w/Earth
Near Earth Tracking - Toutas and Gaspra
Champoleon Animation
Champoleon Anchoring Tests and Spikes
Stardust Animation
Stardust Drop Test from Hot Air Balloon
Audience: Resource
Client: Mary Beth Murrill
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/07/1998 - 0:19:50 Producer: Savona

AVC-1998-151-1/1 **The 1997-98 El Nino: Observations from TOPEX/Poseidon**

Updated images of El Nino as imaged by TOPEX/Poseidon. Dec 3, 1996 - June 14, 1998
Audience: News Resource
Client: James Lambert
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/14/1998 - 0:04:08 Producer: Dawson

AVC-1998-153-1/1 **Deep Space 1 Animation(Revised)**
A narrated description of the mission profile of the Deep Space 1 spacecraft. Included are animations showing the spacecraft leaving Earth, navigating in deep space and later flying by an asteroid and two comets.
Audience: JPL Resource Site: JPL
Client: Suzanne D'Mello
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/22/1998 - 0:02:58 Producer: Semerano

AVC-1998-154-1/1 **E-VIEWS Test At JPL #2 7/15/98 - Video File**
A new traffic technology can warn motorists quickly of rapidly approaching emergency vehicles and trains. This video file depicts the second testing at JPL of the Emergency Vehicle Early Warning Safety System. System developed under JPL's Technology Affiliates Program.
Audience: News Resource
Client: John Watson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/24/1998 - 0:04:33 Producer: Dawson

AVC-1998-155-1/1 **NSCAT Data Animation**
Graphical representation of NSCAT data for March, April and May 1998 over northern hemisphere and North America, ice data only. No wind data over oceans.
Audience: Resource
Client: Son Nghiem, Org. 334
Master: BCAMsp
Audio 1: silent 2: silent
07/29/1998 - 0:04:25 Producer: Hanchett

AVC-1998-160-1/1 **Mars Global Surveyor Video File**
Composite: Animation, Assembly, Launch and Images.
Audience: JPL News Resource Site: JPL
Client: Diane Ainsworth/MRO, Org. 1810
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
08/06/1998 - 0:13:53 Producer: Ainsworth

AVC-1998-166-1/1 **Monterey Bay Aquarium NASA Probe - Video File**
Video File on JPL/NASA Probe experiments at Monterey Bay Aquarium.
Animation of Europa.
"B" Roll shot at Aquarium.
Interviews w/ Dr. Lonni Lane and Lloyd French.
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/24/1998 - 0:07:54 Producer: Dawson

AVC-1998-167-1/1 **Europa Comp: Myth of Europa & Experts Speak out: Another Water World?**
1. "The Myth of Europa" - Mime Artist Richard Shope acts out the mythical story of Jupiter and Europa.
2. "The Experts Speak Out - Europa: Another Water World?"
Audience: Gen.
Client: Leslie Lowes
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/06/1998 - 0:25:00 Producer: Beck/Goldrich/Cosmic

AVC-1998-169-1/1 **JPL/FORD Neural Network Chip - Video File**
"B" Roll of chip in testing at the Ford Motor Company. Ford car driving around with chip installed. Interviews with Ken Marko of Ford and Raoul Tawel and Thomas R. Hamilton of JPL.
Audience: Resource
Client: Watson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/26/1998 - 0:10:00 Producer: Dawson

AVC-1998-170-1/1 **Phobos Temperature Variations - Video File**
New data from The Thermal Emission Spectrometer on board NASA's Mars Global Surveyor.
Animation of MGS with Phobos
"B" roll of MGS in vacuum chamber
Interview w/Dr. Philip Christensen
New TES data images
Audience: Resource
Client: Ainswerth
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
09/04/1998 - 0:10:00 Producer: Dawson

AVC-1998-173-1/1 **SRTM Boom Deployment at AECable, Goleta, Ca. - Video File**
"B" Roll and Interviews - SRTM Antenna is deployed on August 8, 1998. SRTM Antenna deployed without box covering it, September 8, 1998.
SIR-C Animation of
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/09/1998 - 0:09:20

AVC-1998-174-1/1 **Galileo/Jupiter New Rings Data Video File**
De Jong Animation of new Galileo Rings data
Four New Ring Data Images
"B" Roll animation of:
Jupiter rotating
Galileo S/C in flight
Galileo S/C with Jupiter in Background
Audience: News Resource
Client: Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix SRC 000117
09/14/1998 - 0:07:03 Producer: Dawson

AVC-1998-175-1/1 **Cornell/JPL Galileo Press Conference**
Video teleconference, press conference originate at Cornell University with questions from JPL.
Welcome remarks by Cronell Pres. Hunter Rawlings.
Introduction of Mike Belton, NOAO.
Panelists: Maureen Ockert-Bell, Joe Burns, Joe Veverka
Audience: Tech. NASA News Resource Site: Cornell U.
Client: Media Relations, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/15/1998 - 0:57:00 Producer: Platt

AVC-1998-176-1/1 **SIM - Space Interferometry Mission**
An edited program describing the Space Interferometry Mission, the world's first long baseline optical interferometer in space. Computer animation helps to illustrate this technique.
Audience: Gen. Resource
Client: Danner/Naderi

Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
09/15/1998 - 0:03:44 Producer: Savona

AVC-1998-178-1/1 **Asteroids & Comets Outreach Compilation**
Compilation of the best videos JPL has on the subject of Asteroids and comets.
AVC-1998-150 Asteroid Composite Tape
AVC-1998-129 Asteroid Castillia Impact Simulation
AVC-1997-124 Comet Hale-Bopp Video File
AVC-1998-034 Stardust
Audience: Edu. Resource
Client: Sohus
Master: D-BCAM
Audio 1: Mono mix 2: Mono mix
09/17/1998 - 0:55:38 Producer: Wynne

AVC-1998-179-1/1 **Mars Pathfinder & Mars Global Surveyor Outreach Compilation**
Compilation of the best videos JPL has on the subject of Mars Pathfinder and Global Surveyor.
AVC-1998-140 Mars Pathfinder & Mars '98
AVC-1998-102 The Pathfinders
AVC-1998-097 SSV Mars Pathfinder Collection
AVC-1997-207 MPF Press Release Images
AVC-1997-200 A Tribute to Mars Pathfinder Team
AVC-1996-136 MPF Animation
AVC-1998-160 MGS Video File
AVC-1998-104 MGS Orbit Insertion Animation
AVC-1998-082 MGS Centennial Orbit Animation
AVC-1998-103 MGS Images of Cydonia
Audience: Edu.
Client: Sohus
Master: D-BCAM Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/17/1998 - 0:51:25 Producer: Wynne

AVC-1998-180-1/1 **Galileo Outreach Compilation**
VTV-1014 Compilation of the best videos JPL has on the subject of the Galileo Mission.
AVC-1998-081 Galileo Europa E12 Images
AVC-1998-098 SSV Galileo Collection
AVC-1998-027 Galileo Science Summary Oct 1992
AVC-1997-167 Galileo/Jupiter Atmospheric Animation
AVC-1997-077 Galileo Science Summary Oct 1997
AVC-1997-071 Ganymede, Europa & Callisto Video File
AVC-1996-258 Galileo Animation Compilation

Audience: Edu.
Client: Sohus
Master: D-BCAM Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1998 - 1:23:04 Producer: Wynne

AVC-1998-181-1/1 **Voyager Outreach Compilation**
Compilation of the best videos JPL has on the subject of the Voyager Mission.
AVC-1997-234 Voyager in F-Major
AVC-1990-122 Voyager Science Summary Tape
AVC-1990-095 The Grand Tour
AVC-1991-060 Voyage to the Outer Planets
AVC-1989-151 Neptune Encounter Resource Tape
AVC-1996-175 A Tour of the Solar System
Audience: Edu.
Client: Sohus
Master: D-BCAM Submaster: BCAMsp
Audio 1: Mono mix 2:
09/17/1998 - 1:11:29 Producer: Wynne

AVC-1998-182-1/1 **von Kármán Lecture Series: "Robotic Explorers - Enablers of New Disco**
VTV-776 This talk discusses the JPL robotic technology development program, which enables sample selection and sample return to Earth from Mars and small bodies such as comets and asteroids.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Eric Hayne
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1998 - 1:06:13 Producer: Greg Parrillo

AVC-1998-185-1/1 **Deep Space 1(DS1) Press Briefing**
DS1 briefing from NASA HQ covering mission overview and technology objectives.
Participants:
Dr. Wes Huntress, NASA
David Lehman, DS1 Project Mgr., JPL
Dr. Marc Rayman, Chief Mission Eng., JPL
John Stocky, Ion Propulsion Mgr., JPL
Dr. Barbara Wilson, New Millennium Prog. Techn., JPL.
Audience: JPL News Resource Site: NASA-HQ
Client: PIO/DS-1
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

09/22/1998 - 1:19:30 Producer: NASA HQ

AVC-1998-197-1/1 **Mars Global Surveyor Mars Orbiter Camera Update Video File**
Four still images and the same images animated.
Audience: Resource
Client: Diane Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/13/1998 - 0:01:30 Producer: Dawson

AVC-1998-198-1/1 **Stardust: Mr. NASA's Wild Ride to a Comet**
Dr. Ken Atkinson gives overview of Stardust mission.
Audience: Gen. Site: von Kármán
Client: JPL PAO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/15/1998 - 1:20:00 Producer: John Beck

AVC-1998-199-1/1 **Galileo/Ocean Under Callisto Video File**
Interview with Dr. Margaret Kivelson at UCLA.
"B" Roll image of Callisto.
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/15/1998 - 0:02:30 Producer: Dawson

AVC-1998-200-1/1 **Electronic Nose Video File**
"B" Roll of Electronic Nose and readout in Lab
Interview with Margaret Ryan
Audience: Resource
Client: John Watson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/16/1998 - 0:03:00 Producer: Dawson

AVC-1998-202-1/1 **The Pathfinders**
VTV-802 "The Pathfinders" is the dramatic story of the Mars Pathfinder Mission as told by its team members. This documentary includes historical footage from early tests and concepts to landing day events with images of the Martian surface.
Audience: Gen. JPL NASA
Client: Brian Muirhead
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix

10/19/1998 - 0:35:30 Producer: John Beck

AVC-1998-203-1/1 **DS2 Microprobe Mission to Mars**
Narrated animation of the Deep Space 2 mission. The production describes how two microprobes carried aboard the Mars Polar Lander will penetrate the Martian surface, conduct experiments on the soil and then relay data back to Earth.
Audience: Gen. Edu. Resource Site: JPL
Client: Suzanne D'Mello
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/18/1998 - 0:03:13 Producer: Semerano

AVC-1998-205-1/1 **NASA on the Cutting Edge-Oceans in Motion & Color of Oceans**
Two educational shows hosted by Kate Ferrall of NASA-TV. Show 1 has Dr. William Patzert of JPL discussing ocean currents & El Nino. Show 2 has Dr. Gene Feldman of GSFC discussing colors of oceans around the world.
Audience: Edu. Site: NASA-HQ
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/21/1998 - 1:00:00 Producer: Kate Ferrall

AVC-1998-206-1/1 **Deep Space 1 Pre-Launch Press Conference**
L-1 Pre-Launch Briefing on weather, mission and spacecraft status.
Dr. Marc Rayman-Chief Mission Engineer JPL; Rich Murphy-Dir. of Launch sites Boeing; Ray Lugo-NASA Launch Manager KSC; Bruce Milam-Launch Services Manager GSFC; Leslie Livesay-Spacecraft Manager JPL; Joel Tumbiolo-Launch weather Officer.
Audience: Gen. Site: KSC
Client: PAO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/23/1998 - 0:52:00 Producer: KSC

AVC-1998-207-1/2 **Delta II/ Deep Space 1 Launch Thru Insertion**
VTV-780 NASA Select coverage of Deep Space 1 Launch from Cape Canaveral. Tape starts at 30 minutes prior to launch at ends at T+60. Time code is locked to 'time of day' and launch occurs at 5:08 am.
Audience: Gen. News Site: Cape Canaveral
Client: PAO

Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/1998 - 1:30:00 Producer: KSC

AVC-1998-207-2/2 **NASA Select coverage of Deep Space 1 Launch**
NASA Select coverage of Deep Space 1 Launch from Cape Canaveral. Tape starts at T+60 minutes and ends at T+150 minutes. Time code is locked to 'time of day'. Acquisition occurs around 6:40 am.
Audience: Gen. News Resource Site: Cape Canaveral
Client: PAO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/1998 - 1:30:00 Producer: KSC

AVC-1998-210-1/1 **L.A. Under A Slow Squeeze - Video File**
Video file to accompany news release that L.A. is slowing moving into the San Gabriel Mountains. Aerials, animation and "B" Roll of scientists and equipment.
Audience:
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/26/1998 - 0:03:00 Producer: Dawson

AVC-1998-211-1/1 **Mars Global Surveyor Images - Video File**
Still images of Lava Flows in the Elysium Basin and Active Sand Dunes in the North Pole region.
Interview: Frank Palluconi, MGS Deputy Project Scientist.
Audience: Resource
Client: Diane Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/27/1998 - 0:05:14 Producer: Dawson

AVC-1998-212-1/1 **Cassini - Huygens: Mission to Saturn and Titan (Revised Version)**
A production that describes Cassini's journey to Saturn--its ring system and large moon Titan. The program features key events that will happen during Cassini's eleven year journey.
(REVISED 1999 VERSION FROM AVC-1996-160)
Audience: Gen. Site: JPL
Client: Edberg/Peralta, Org. 3120
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo AVC-1996-160
06/04/1999 - 0:06:55 Producer: Gary Savona

AVC-1998-213-1/1 **STS-95 Reaches Orbit - Crew Begins Mission**
The Space shuttle Discovery took off from NASA's Kennedy Space Center at 2:20 p.m. EST beginning a nine day mission with a variety of scientific objectives. Astronaut John Glenn aboard this mission.
Audience: NASA Site: KSC
Client: NASA TV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1998 - 1:30:00 Producer: NASA TV

AVC-1998-216-1/1 **Mars Polar Lander and Deep Space 2 Video File for HQ News Update**
Animation of Mars Polar Lander
MPL arm test
MPL at KSC for final testing
Animation of Deep Space 2
Firing of probe by air cannon in New Mexico
Soldering wires on probe at JPL
Audience: News Resource
Client: Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/05/1998 - 0:11:07 Producer: Dawson

AVC-1998-217-1/1 **Mars Global Surveyor Images with Moves**
Orbit 87 Image 04 (B&W)
Orbit 80 Image 03 (B&W)
Orbit 80 Image 03 (Color)
Audience: Resource
Client: Diane Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/06/1998 - 0:12:00 Producer: Dawson

AVC-1998-220-1/1 **Deep Space 1 Launch ---- Short Version**
Video begins four minutes before the launch of DS-1 runs through the launch and four minutes after the launch. Edited from 90 minute version,
AVC-1998-207
Audience: Resource
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/11/1998 - 0:10:00

AVC-1998-221-1/1 **Outer Planets/Solar Probe Project: Missions to Europa, Pluto & the Sun**
VTV-783
Robert L. Staehle describes three upcoming missions: Pluto-Kuiper Express, Europa Orbiter and Solar Probe with charts, graphs and pictures. Includes playback of animation video. Other topics include TMOD/X2000, Beacon Cruise mode, Avionics technology advances. Introduced by Tom Gavin.
Audience: Gen. Edu. Tech. Site: von Kármán Aud.
Client: Karpinsky
Master: BCAMsp Submaster: sVHS
Audio 1: Mono mix 2: Mono mix
11/11/1998 - 1:06:00 Producer: Borst

AVC-1998-222-1/1 **Stardust Video File**
Stardust Animation 3:40 min
Drop Testing from hot air balloon 2:25 min
Name Microchip 30 sec
Stardust Testing at Lockheed Martin 1:47 min
Interview with Dr. Peter Tsou 2:04 min
Interview with Dr. Donald C. Brownlee
Interview with Dr. Kennith L. Atkins
Audience: News Resource
Client: Mary Beth Murrill
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/12/1998 - 0:16:45 Producer: Dawson

AVC-1998-223-1/1 **CMA - "Apollo: An Eyewitness Account"**
VTV-784
Accomplished painter and astronaut Alan Bean has worked since his return to Earth 29 years ago to portray the intensity and beauty of the world he visited. In his book, "Apollo: An Eyewitness Account" he shares his paintings while offering an insider's view of the Apollo mission.
Audience: Gen. Site: von Kármán Aud
Client: Michael Eastwood
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/13/1998 - 1:10:00 Producer: Savona

AVC-1998-224-1/4 **Galileo Educators Workshop**
Educators workshop for grades K-12 covering the topic of where water can be found in the solar system. Featuring speakers from Mars 98, Galileo, Lunar Prospector, with descriptions of classroom activities.
Audience: Edu. Site: von Kármán
Client: L. Lowes

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/13/1998 - 1:02:00 Producer: Beck/Savona

AVC-1998-224-2/4 **Galileo Educators Workshop**
Educators workshop for grades K-12 covering the topic of where water can be found in the solar system. Featuring speakers from Mars 98, Galileo, Lunar Prospector, with descriptions of classroom activities.
Audience: Edu. Site: von Kármán
Client: L. Lowes
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/13/1998 - 1:21:00 Producer: Beck/Savona

AVC-1998-224-3/4 **Galileo Educators Workshop**
Educators workshop for grades K-12 covering the topic of where water can be found in the solar system. Featuring speakers from Mars 98, Galileo, Lunar Prospector, with descriptions of classroom activities.
Audience: Edu. Site: von Kármán
Client: L. Lowes
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/13/1998 - 1:07:00 Producer: Beck/Savona

AVC-1998-224-4/4 **Galileo Educators Workshop**
Educators workshop for grades K-12 covering the topic of where water can be found in the solar system. Featuring speakers from Mars 98, Galileo, Lunar Prospector, with descriptions of classroom activities.
Audience: Edu. Site: von Kármán
Client: L. Lowes
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/13/1998 - 0:51:00 Producer: Beck/Savona

AVC-1998-225-1/1 **1998 Mars Missions Science Briefing from NASA-HQ**
Briefing from NASA-HQ involving Mars 98 Orbiter and Lander with Deep Space 2 Mission. Participants Dr. Carl Pilcher Science Dir. Solar System Exploration NASA; John McNamee Mars Surveyor '98 Project Manager JPL; Dr. Richard Zurek Mars Surveyor '98 Project Scientist JPL; Sarah Gavit Deep Space 2 Project Manager JPL; Dr. Bruce Jakosky Planetary Scientist Univ. of Colorado Boulder. First 12:25 is Pre-roll.

Audience: Gen. News Resource Site: NASA-HQ
Client: PAO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/13/1998 - 0:58:36 Producer: Borst

AVC-1998-227-1/1 **10 Images From The Mars Orbiter Camera**
Mars Global Surveyor, Mars Orbiter Camera
KSC Video Roll Images
Images used to back up Mike Malin's presentation at KSC 12/7 through 12/10/98
Audience: Resource
Client: Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1998 - 0:06:51 Producer: Dawson

AVC-1998-228-1/1 **1997-98 El Nino/La Nina update TOPEX/Poseidon**
El Nino/La Nina update images and animation of TOPEX/Poseidon. Dec. 96 through Nov. 98
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1998 - 0:03:00 Producer: Dawson

AVC-1998-229-1/1 **Europa Fault - Simulated Flyover of Astypalaea Lines -Video File**
Eric DeJong animation
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1998 - 0:01:31 Producer: Dawson

AVC-1998-232-1/1 **Carbon Cycles on Mars, Earth & Venus: The role of a Biosphere**
This lecture discusses the considerations of land plants on their possible role in the slowing of carbon dioxide growth in the atmosphere and leading to global warming.
Speaker is William H. Schlesinger - A Professor of Botany at Duke University.
Audience: Tech. Site: von Kármán Aud.
Client: M. Chahine
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/11/1998 - 1:15:00 Producer: Beck

AVC-1998-233-1/1 **Mars Climate Orbiter Launch Coverage**
VTV-786 Mars Climate Orbiter Launch Coverage via NASA-TV.
Tape starts with Update at beginning and Launch at 20:36.
Spectacular launch camera on first stage of rocket &
replays.
Audience: News Resource Site: KSC
Client: Media Relations
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/11/1998 - 1:03:00

AVC-1998-234-1/1 **Mars Climate Orbiter Pre Launch Press Conference**
Speakers include:
Dr. Ed Weiler, Ray Lugo, Rich Murphy, Dr. John McNamee, Dr. Ed Euler, Joel Tumbiolo
Audience: News Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/09/1998 - 0:45:42 Producer: KSC

AVC-1998-235-1/1 **Mars Global Surveyor Press Conference- "Mars Top 10 Images"**
Speakers include:
Joe Boyce, 1998 Mars Surveyor Project Scientist, Dr. Michael Malin, MGS P.I. Mars Orbiter Camera
Audience: News Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/09/1998 - 0:57:52 Producer: KSC

AVC-1999-001-1/1 **Mars Polar Lander Pre-Launch Press Conference**
Mars Polar Lander Pre-Launch Press Conference from Kennedy Space Center.
Dr. Ed Weiler Associate Administrator for Space Sciences NASA; Ray Lugo, NASA Launch Manager; Rich Murphy, Delta Mission Director Boeing; John McNamee, Mars 98 Proj. Manager JPL; Sarah Gavit, Deep Space 2 Project Manager JPL; Dr. Ed Euler Lockheed Martin Proj. Man.; Joel Tumbiolo, Launch Weather Officer KSC.
Audience: News Site: KSC
Client: PIO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/02/1999 - 1:00:00 Producer: Borst

AVC-1999-002-1/3 **Mars Polar Lander Launch**
Satellite downlink. T-120 to T-20 min.
The Mars Polar Lander was launched on a Delta II launch vehicle from Launch Complex 17B at Cape Canaveral Air Station in Florida on January 3, 1999 at 20:21:10 UTC (15:21:10 EST).
Audience: News Resource Site: Cape Canaveral
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/03/1999 - 1:00:00 Producer: KSC

AVC-1999-002-2/3 **Mars Polar Lander Launch**
T-20 through T+40 min.
Audience: News Resource Site: Cape Canaveral
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/03/1999 - 1:00:00 Producer: KSC

AVC-1999-002-3/3 **Mars Polar Lander Launch**
Launch replays (includes a view from the first stage) plus interview with Dave Murrow and L.A. area news coverage by CBS, NBC, ABC and KCAL.
Audience: News Resource Site: Cape Canaveral
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/03/1999 - 0:30:00 Producer: KSC

AVC-1999-004-1/1 **Stardust Video File - Update**
Artist's concepts and animation of comets
Stardust Animation from liftoff to recovery
"B" Roll from Lockheed/Martin
"B" Roll from KSC
Interviews with Tsou and Brownlee.
Audience: Resource
Client: Murrill
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/08/1999 - 0:22:28 Producer: Dawson

AVC-1999-005-1/1 **Stardust Mission Prelaunch Press Briefing**
Overview with:
Dr. Carl Pilcher, Science Dir., Solar System Investigations NASA-HQ;

Dr. Kenneth Atkins, Project Manager, JPL;
Joe Vellinga, Program Manager, Lockheed Martin; Dr. Donald Brownlee, Principal Investigator, Univ. of Washington;
Dr. John Rummel, Planetary Protection Officer, NASA-HQ.
Audience: News Resource Site: NASA-HQ
Client: MRO, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/13/1999 - 1:06:00 Producer: NASA

AVC-1999-006-1/1
VTV-813

The Science & Politics of Climate
Professor Freeman Dyson lectures on the importance of improving global climate models to more accurately understand and predict global climate patterns.
Audience: Gen. Site: von Kármán
Client: M. Chahine
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/13/1999 - 1:07:00 Producer: John Beck

AVC-1999-008-1/1

EMG Program Compilation for Stardust
A series of educational programs produced by EMG on the Stardust project. Each of the four segments are shortened versions of the original 30 min. programs.
Audience: Edu. News Resource
Client: Whalen
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/21/1999 - 0:25:00 Producer: Beck

AVC-1999-010-1/1

von Kármán Lecture Series: "Finding Clues to Our Cosmic Roots"
Dr. Firouz Naderi gives lecture on the Origins program and explains the many ways in which Origins technology will be used to detect habitable planets.
Audience: Gen. Site: von Kármán
Client: E. Hayne
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/21/1999 - 1:15:00 Producer: Beck

AVC-1999-014-1/1

Hydrobot Animation - Video File
Animation of the deployment of the Hydrobot underwater explorer as it dives beneath the ice covered ocean on Europa.
Audience: Resource
Client: Jane Platt

Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/27/1999 - 0:07:00 Producer: Semerano

AVC-1999-015-1/1 790 **FY-2000 NASA Budget Briefing**
Satellite downlink of NASA budget briefing by Dan Goldin. Originated from NASA-HQ with questions from all centers.
Audience: News Site: NASA-HQ
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/01/1999 - 0:52:00 Producer: NASA-TV

AVC-1999-019-1/1 **"REACH" - Stardust Launch Video**
Short video showing edited footage of team members at work as well as Stardust animation.
CONTAINS COPYRIGHTED MATERIAL
DO NOT DUPLICATE WITHOUT CLIENT PERMISSION
Audience: Gen. Resource
Client: Ken Atkins
Master: BCAMsp
Audio 1: MOS 2: MOS
02/05/1999 - 0:04:10 Producer: Beck/Malmquist

AVC-1999-020-1/1 **Stardust L-1 Press Briefing**
Panel includes: Carl Pilcher, Ray Lugo, Rich Murphy, Ken Atkins, Joseph Vellinga, Martha Hanner, Joel Tumbiolo
Audience: News Resource Site: KSC
Client: Aimee Whalen
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/05/1999 - 1:01:00 Producer: NASA-TV

AVC-1999-021-1/1 **Stardust Launch (Postponement)**
T -5 minutes thru postponement and Safing of launch vehicle. Postponement due to voltage drop in one of the C Band transmitters located on the Delta II launch vehicle.
Audience: News Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/06/1999 - 0:30:30 Producer: KSC

AVC-1999-022-1/1 **Stardust Launch Postponement Press Conference**
Panelists: Ray Lugo; Chris Walsh; Dr. Kenneth Atkins

Audience: News Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/06/1999 - 0:19:08 Producer: KSC

AVC-1999-023-1/1
VTV-793

Delta II/Stardust Launch from CCAFS

NASA's Stardust spacecraft successfully shot into a clear blue sky atop a Delta II rocket from Florida's Cape Canaveral Air Station at 4:15 p.m. EST to become the first U.S. mission destined for a comet, and the first-ever spacecraft sent to bring a sample of a comet sample back to Earth.

Audience: News Resource Site: KSC/CCAFS
Client: Aimee Whalen
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/07/1999 - 1:24:00 Producer: KSC

AVC-1999-024-1/1

Stardust Post Launch Press Conference

Panelists: Ray Lugo; Dr Kenneth Atkins; Joe Vellinga; Dr Donald Brownlee.

Audience: News Resource Site: KSC
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/07/1999 - 0:13:40 Producer: KSC

AVC-1999-025-1/1
VTV-794

von Kármán Lecture Series: "Catching Whispers from Space"

In this talk, Dr. Michael Klein, describes how the Deep Space Network provides a critical link in the exploration of the solar system since spacecraft signals are the "carriers" of scientific data and planetary images. He also talks about radio astronomy used to study quasars and black holes.

Audience: Gen. Site: von Kármán Aud.
Client: Eric Hayne, Org. 180
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/18/1999 - 1:17:36 Producer: Savona

AVC-1999-027-1/1

Electro-Active Polymer Actuators with Bar-Cohen - Video File

"B" roll of the Nano Rover
Animation of the EAP wiper and arm action
"B" roll of the EAP's in action
Interview with Dr. Yoseph Bar-Cohen

Audience: Resource
Client: Watson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/16/1999 - 0:04:20 Producer: Dawson

AVC-1999-028-1/1 **Seawinds on QuikSCAT: Animation of Ocean Winds Measurement by S/C**

Expanded animation from Oct. 98.Animation of space craft only, no wind data animation.
Audience: Resource
Client: Gracy
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/19/1999 - 0:01:32 Producer: Wynne

AVC-1999-031-1/1 **WIRE Pre-Launch Press Briefing**

WIRE is Wide-Field Infrared Explorer.
Participants: Dr. Carol Lonsdale, Mgr., of WIRE Science Operations, JPL; Jim Watzin, Project Manager, GSFC; and Dr. Perry Hacking, Principal Investigator, JPL.
Audience: News Site: 186-Studio
Client: Media Relations
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/23/1999 - 0:30:51 Producer: Savona

AVC-1999-039-1/1 **NASA on the Cutting Edge: Small Bodies, Big Impacts - Cool Comets**
VTV-800

Comets are so cool, they're actually icy! As these cosmic snowballs approach the Sun, they turn into the beautiful celestial bodies we can see from Earth. Now, for the first time ever, a hi-tech NASA mission, Stardust, will capture comet dust samples and bring them back to Earth. The samples will give us new information about comets and help us understand the origins of our solar system. Take a journey with NASA into space as we explore the mysteries of comets and the secrets of our distant past.
Hosted by Kate Ferral, NASA.
Audience: Gen. Edu. Site: NASA-TV
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
Program 1
03/10/1999 - 0:30:00 Producer: Kate Ferrall

AVC-1999-040-1/1 **NASA on the Cutting Edge: Small Bodies, Big Impacts-Awesome Asteroids**
VTV-801
Asteroids get a lot of attention. It's no wonder - small ones continually pelt the Earth and a large one may have caused the extinction of the dinosaurs. But that's just part of their story. Space missions to orbit and map a near-Earth asteroid for the first time will help us discover more about these "minor planets," and could reveal clues about the formation of our solar system... Get answers to your questions about asteroids directly from the scientists keeping tabs on them. And, see a sneak preview of NASA's exciting plans to put a rover on an asteroid!
Hosted by Kate Ferral, NASA.
Audience: Gen. Edu. Site: NASA TV
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
Program 2
03/11/1999 - 1:00:00 Producer: Kate Ferrall

AVC-1999-043-1/1 **Mars Global Surveyor High Gain Antenna Deployment Video File**
Animation of the MGS High Gain Antenna Deployment followed by 3 recently returned images of the Martian Surface.
Audience: JPL Resource Site: JPL
Client: Mary Hardin
Master: BCAMsp
Audio 1: Silent 2: Silent
03/25/1999 - 0:01:44 Producer: Semerano

AVC-1999-045-1/1 **NASA/Lakota Swap Star Knowledge - Video File**
JPL'ers Richard Shope and Rick Yessayian share their knowledge with Chief Joseph Chasing Horse of the Lakota Nation. Chief Joseph intros us to the White Buffalo Calf and the hike up the holy mountain.
Audience: Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/29/1999 - 0:14:00 Producer: Dawson

AVC-1999-051-1/1 **Mars Images MOC2-106 through 109 - Video File**
Mars Global Surveyor, Mars Orbiter Camera (MOC).
MOC2-106, Margin of Lava Flow in Daedalia Planum
MOC2-107, Ripples on Cratered Terrain North of Hesperia Planum
MOC2-108, Martian Variety Exhibited by the Olympica Fossae

MOC2-109, East Tithonium Chasma Wall, Valles Marineris
Audience: Resource
Client: Hardin, Org. 182
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/07/1999 - 0:03:12 Producer: Dawson

AVC-1999-052-1/1 **Deep Space 1 Space Science Update**
Participants:
Dr. Peter Ulrich, Office of Space Science, NASA HQ;
Dr. Mare Rayman, Chief Mission Eng., JPL; Dr. Bob Beattie,
Chief Tech. Hughes Electron Dynamics;
Dr. Guy Man, Autonomy Technologist, JPL;
Dr. Faith Vilas, Space Scientist, JSC.
They discuss recent findings from DS-1 mission.
Audience: News Site: NASA HQ
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
04/06/1999 - 0:57:00

AVC-1999-054-1/1 **Mars Outreach Office - Mars Global Surveyor Mapping Mission**
VTV-809 In this noontime lecture Dr. Arden Albee, MGS
Project Scientist presents the latest scientific data about
Mars.
Q and A follows.
Audience: JPL Site: von Kármán Aud.
Client: Cathy Davis
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/09/1999 - 0:52:47 Producer: Savona

AVC-1999-055-1/1 **Mars Sample Return Briefing**
VTV-812 Bill O'Neil, Mark Adler, Rob Manning, Jake
Matijevic, Doug Caldwell, Stacey Weinstein and Tom Rivellini
discuss proposed future Mars Surveyor launches in 2003 &
2005, also the return of Mars samples to Earth in 2008.
Audience: Tech. JPL NASA Site: von Kármán Aud.
Client: Kathy Davis
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/12/1999 - 1:33:00 Producer: Greg Parrillo

AVC-1999-059-1/1 **von Kármán Lecture Series: "Developing Methods for Detecting Life"**
VTV-815 JPL Geologist, Pamela Conrad describes JPL's role
developing methods for life detection - methods that can be

used to investigate samples returned from Mars or other locations, and eventually to be used for measurements and life detection on remote places.
Audience: Gen. Site: von Kármán Aud.
Client: Eric Hayne
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/15/1999 - 0:58:00 Producer: Gary Savona

AVC-1999-061-1/1 **CID - Controlled Impact Demonstration**
Crash of a 720 aircraft at Edwards Air force Base to test AMK fuel experiments.
Various impact views - mainly interior
Photographic coverage of the test
FAA report - CID version 3/26/85
Audience: Resource
Client: Dawson
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/26/1985 - 0:37:48 Producer: Wynne

AVC-1999-062-1/1 **FIDO - Video File**
The Mars rover called FIDO -- Field Integrated Design and Operations -- tested in the Mojave Desert by scientists to help them figure out how to use the kinds of instruments the next Mars rovers will need to fetch the most scientifically interesting rocks. FIDO is designed to test the advanced technology of the Athena flight rover and science payload that will be launched as part of NASA's Mars Sample Return missions in 2003 and 2005.
Interviews with Dr. Raymond Arvidson and Dr. Eric Baumgartner.
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/27/1999 - 0:10:00 Producer: Beck

AVC-1999-065-1/1 **The Stardust Mission: What Will We Find?**
Stardust Mission Manager Dr. Tom Duxbury gives overview of what to expect in the upcoming Stardust/Wild-2 encounter and explains how it will return a comet sample back to Earth.
Audience: Gen. JPL Site: von Kármán Aud.
Client: SESPD
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

05/06/1999 - 0:59:00 Producer: Beck

AVC-1999-066-1/4 **Planning The Cassini Mission Educators Workshop**
VTV-826 Shannon McConnell discussed Jupiter Flyby Overview. Stephen Edberg discussed Cassini Mission Overview. Dr. Kevin Grazier discussed Jupiter Science Objectives. Dr. Brian Rush discussed Mission Planning. John Essmiller discussed Cassini Spacecraft.
Audience: Edu. JPL Site: von Kármán Aud.
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/07/1999 - 1:09:00 Producer: Parrillo

AVC-1999-066-2/4 **Planning The Cassini Mission Educators Workshop**
VTV-826 Part 2 of 4
Audience: Edu. JPL Site: von Kármán Aud.
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/07/1999 - 1:28:00 Producer: Parrillo

AVC-1999-066-3/4 **Planning The Cassini Mission Educators Workshop**
VTV-826 Part 3 of 4
Audience: Edu. JPL Site: V.K. Aud.
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/07/1999 - 1:27:00 Producer: Parrillo

AVC-1999-066-4/4 **Planning The Cassini Mission Educators Workshop**
VTV-826 Part 4 of 4
Audience: Edu. JPL Site: V.K. Aud.
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/07/1999 - 1:09:00 Producer: Parrillo

AVC-1999-067-1/1 **Clouds Near Mars' North Pole - Video File**
Animation of Mars Global Surveyor images of Mars' North Pole area highlighting cloud movement. Images from Malin Space Science Systems (MSSS). Images were also collected by the Hubble Space Telescope.
Audience: Resource
Client: Hardin
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
05/12/1999 - 0:03:30 Producer: Dawson

AVC-1999-069-1/1
VTV-827

von Kármán Lecture Series: "Technologies of the Future--Today"
Mike Sander says when JPL-managed missions need specific technologies and instruments to enable their science goals, they turn to JPL's Technology Applications Program, which creates new technologies at the highest level of excellence, which in turn is used by U.S. industry.
Audience: Gen. Site: von Kármán Aud.
Client: Eric Hayne
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/20/1999 - 1:01:56 Producer: Gary Savona

AVC-1999-073-1/1

NASA Space Science Update - First Global 3D Views of Mars by MGS
Results of Mars Global Surveyor Laser Altimeter. Speakers: Jim Zimbelman-Planetary Geologist Smithsonian Institute, Dr. John Grant-Office of Space Science NASA HQ, Dr. Maria Zuber-MOLA Principal Invest. MIT, Dr. David Smith-MOLA Principal Invest. NASA GSFC.
Audience: News Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/27/1999 - 0:49:12

AVC-1999-075-1/1

MOLA Animation - Global 3D Views of Mars by MGS
Mars Orbiter Laser Altimeter (MOLA) animation only taken from AVC-1999-073 "NASA Space Science Update - First Global 3D Views of Mars". Data from Mars Global Surveyor (MGS).
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/27/1999 - 0:08:00 Producer: Borst

AVC-1999-076-1/1

NCI Workshop Opening Remarks by Dan Goldin
NASA Director Dan Goldin opening remarks at the NASA/ National Cancer Institute Workshop at the Pasadena, Ca. Double Tree Hotel on June 2, 1999.
Audience: Resource
Client: Ray Costello, Org. NASA
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/02/1999 - 0:35:00 Producer: Beck

AVC-1999-079-1/1 **QuikSCAT Prelaunch - NASA TV Video File**
Animation of QuikSCAT S/C
Animation of Spinning Earth with Data
"B" Roll at Ball Aerospace
Interview with Jim Graf
Interview with Dr. Michael Frelich
Audience: News Resource
Client: Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/16/1999 - 0:08:00 Producer: NASA TV

AVC-1999-082-1/2 **QuikSCAT Launch**
NASA TV launch coverage from Vandenburg AFB.
Start of Program through L-10 Minutes.
Audience: Tech. JPL Resource Site: Vandenburg
Client: Media Relations, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/19/1999 - 1:33:00 Producer: Ziats

AVC-1999-082-2/2 **QuikSCAT Launch**
NASA TV launch coverage from Vandenburg AFB.
Launch at 10:40 sec. into tape.
includes Post Separation Conference
Audience: Tech. JPL Resource Site: Vandenburg
Client: Media Relations, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/19/1999 - 0:46:00 Producer: Ziats

AVC-1999-086-1/1 **Cassini Flyby of Venus and Saturn - Video File**
Animation of Cassini fly-by of Venus (1st and 2nd fly-bys of Venus) and fly-by of Saturn, S/C and then S/C with Huygens' Probe.
Audience: Resource
Client: Mary Beth Murrill
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/22/1999 - 0:02:59 Producer: Savona

AVC-1999-087-1/1 **QuikSCAT L-1 Press Conference**
NASA-TV Downlink of Launch minus one day press conference originated from Vandenberg AFB.
Participants:

Bruce Buckingham, NASA PAO, KSC;
Lt. Col. Joe Hogler, USAF Titan II Launch Dir.;
Ray Lugo, NASA Mission Dir, KSC;
James Graf, QuikSCAT Proj. Manager;
Capt. Eric Barella, USAF Launch Weather Officer.
Audience: News Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/21/1999 - 0:18:00 Producer: NASA TV

AVC-1999-089-1/1 **MGS Images of Mars 6/23/99 - Video File**
Animations of latest images from Malin Space Science Systems (MSSS) of Mars.
Mars Orbiter Camera (MOC) on Mars Global Surveyor
MOC2-135, From Mars with Love
MOC2-131, A Martian "Monument Valley"--Mesas on the Elysium Plains
MOC2-136, Utopia Cracks
MOC2-134, COLOR: Regional View of the Tharsis Volcanoes
MOC2-133, North Nilosyrtis Mensae
MOC2-132, Big, Dark Dunes Northeast of Syrtis Major
Audience: Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/23/1999 - 0:04:21 Producer: Dawson

AVC-1999-090-1/2 **"Cassini Revisits Venus"**
VTV-831 A Conference for Educators on the discovery of
Venus as Cassini-Huygens makes its second and final visit to
Earth's clouded twin planet.
Audience: Edu. JPL Site: von Kármán Aud.
Client: McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/24/1999 - 1:15:00 Producer: Greg Parrillo

AVC-1999-090-2/2 **"Cassini Revisits Venus"**
VTV-831 A Conference for Educators on the discovery of
Venus as Cassini-Huygens makes its second and final visit to
Earth's clouded twin planet.
Audience: Edu. JPL Site: von Kármán Aud.
Client: McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

06/24/1999 - 1:19:00 Producer: Greg Parrillo

AVC-1999-091-1/1 **QuikSCAT Launch - Short Version**
From T-1:00 Min. through 2nd stage engine separation.
Audience: Gen. Edu. JPL Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/19/1999 - 0:07:32 Producer: Ziats

AVC-1999-092-1/1 **Mars Global Surveyor Images 6/30/99 - Video File**
Images from Malin Space Science Systems (MSSS) of Mars. Mars Orbiter Camera (MOC) on Mars Global Surveyor (MGS).
MGS MOC2-137b, MOC2-138b, Providing Clues For Future Landing Site Selection.
Also a 3D Image Images of Nepenthes Mensae and Amenthes Rupes.
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/29/1999 - 0:02:26

AVC-1999-094-1/1 **Mars Global Surveyor MOC Images - 7/9/99 - Video File**
Images from Malin Space Science Systems (MSSS) of Mars. Mars Orbiter Camera (MOC) on Mars Global Surveyor (MGS).
Giant Martian Dust Devils
Geological Features Defy Conventions
New Cydonia Pictures
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/1999 - 0:03:10 Producer: Dawson

AVC-1999-101-1/2 **von Kármán Lecture Series: "Mapping Earth in 3-D"**
VTV-833 SRTM Project Scientist, Dr. Michael Kobrick gives a lively inspired talk on the Shuttle Radar Topography Mission (SRTM) which will map 80% of the Earth's surface.
Q and A follows the presentation.
Audience: Gen. Site: von Kármán Aud.
Client: Heather Snively
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT - 01:58:25
07/15/1999 - 1:30:25 Producer: Gary Savona

AVC-1999-101-2/2 **von Kármán Lecture Series: "Mapping Earth in 3-D"**
VTV-833 Part 2 of 2
Audience: Gen. Site: von Kármán Aud.
Client: Heather Snively
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT - 01:58:25
07/15/1999 - 0:28:00 Producer: Gary Savona

AVC-1999-102-1/1 **20 Mars Images from MGS 7/16/99 - Video File**
20 Malin Space Science Systems (MSSS) images from the Mars Global Surveyor to be shown at the week long Mar's Symposium to held at Caltech the week of July 19th to 23rd.
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/16/1999 - 0:09:00 Producer: Dawson

AVC-1999-105-1/1 **Fast Spinning Asteroid 1998 KY26 - Video File**
Animation of three (3) still frames of asteroid 1998 KY26. Asteroid nicknamed "Fast Spinning".
Audience: Resource
Client: Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/22/1999 - 0:00:30 Producer: Beck

AVC-1999-110-1/1 **JPL Infrared Camera & "Corpse Flower" - Video File**
Audience: Gen. Site: Huntington Lib.
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/02/1999 - 0:04:00 Producer: Beck

AVC-1999-111-1/1 **Deep Space 1 Space Science Update**
VTV-834 In this press briefing, scientists explain the latest findings from Deep Space 1's encounter with asteroid, Braille. Presenters include: Marc Rayman, Robert Nelson, Larry Soderblom and Eileen Ryan.
Playback of supporting visuals follow briefing.
Audience: News Site: von Kármán Aud.
Client: PAO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

TRT - 46:51 this includes supporting visuals
08/03/1999 - 0:42:21 Producer: Savona

AVC-1999-114-1/1 **First Data Comes In From SeaWinds on QuikSCAT - Video File**
First data from the SeaWinds on QuikSCAT Mission
is animated and transferred to video.
Animation of spinning globe w/ data
Animation close up of Typhoon Olga
2 still images of Atlantic and Pacific Oceans
Animation of S/C and Interviews
Interviews with Dr. Timothy Liu and Jim Graf
Audience: Resource
Client: Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/05/1999 - 0:10:00 Producer: Beck

AVC-1999-116-1/1 **Underwater Volcanic Vent Mission Project - Video File**
Testing of new underwater equipment at the Monterey Bay Kelp
Tank.
Audience:
Client:
Master:
Audio 1: Mono mix 2: Mono mix
08/04/1999 - 0:07:45 Producer: Dawson/Beck

AVC-1999-117-1/1 **Mars: An Active Planet Today? - Video File**
VTV-835 Mars Global Surveyor
Mars Orbiter Camera (MOC) animations of data.
Martian Weather and Surface Changes
Dunes, Frost, Winds, Dust Devils, Clouds, Storms
and Climate
Audience: NASA
Client: Malin Space Science
Master: BCAMsp Submaster: DVCPro50
Audio 1: Silent 2: Silent
08/10/1999 - 0:11:23 Producer: Eric DeJong

AVC-1999-121-1/1 **Cassini/Huygens - Video File**
Contains Cassini Venus/Earth/Jupiter flyby animation,
Cassini launch footage, Huygens Probe descent in Titan.
Audience: News
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/11/1999 - 0:10:30 Producer: Beck/Murrill

AVC-1999-125-1/6 **"Earth's A Planet Too"--A Conference for Educators**
A Teacher's Conference, held in von Kármán auditorium, introduced by Shannon McConnell, Cassini Program Outreach. Dr. Miner, Cassini Science Advisor, gives an overview of the Cassini-Huygens Mission. Dr. Smith, Cassini MAG Team, follows with a talk about Magnetospheres.
Audience: Gen. Edu. Resource Site: JPL
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/17/1999 - 1:24:00 Producer: Semerano

AVC-1999-125-2/6 **"Earth's A Planet Too"--A Conference for Educators**
A teachers conference, held in von Kármán Auditorium, introduced by Shannon McConnell, Cassini Program Outreach. Stephen Edberg's talk is entitled, "Cow Magnet Planet" which is followed by a presentation by Annie Richardson, SRTM Outreach, focusing on the Shuttle Topography Mission.
Audience: Gen. Edu. Resource Site: JPL
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/17/1999 - 0:58:00 Producer: Semerano

AVC-1999-125-3/6 **"Earth's A Planet Too"--A Conference for Educators**
A teachers conference, held in von Kármán Auditorium, introduced by Shannon McConnell, Cassini Program Outreach. Tom Nolan of Earth Science Outreach gives a talk about Oceanography from Space. The talk is followed by Steve Edberg and Shannon McConnell discussing Educational Activities.
Audience: Gen. Edu. Resource Site: JPL
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/17/1999 - 1:33:00 Producer: Parrillo

AVC-1999-125-4/6 **"Earth's A Planet Too"--A Conference for Educators**
A teachers conference, held in von Kármán Auditorium, introduced by Shannon McConnell, Cassini Program Outreach. Steve Edberg and Shannon McConnel discuss Educational Activities. Jeff Plaut gives a talk about Geology from Space.
Audience: Gen. Edu. Resource Site: JPL
Client: Shannon McConnell

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/17/1999 - 0:08:00 Producer: Parrillo

AVC-1999-125-5/6 **"Earth's A Planet Too"--A Conference for Educators**
A teachers conference, held in von Kármán Auditorium, introduced by Shannon McConnell, Cassini Program Outreach. Shannon gives a talk about geography lessons when using Radar data. Steve Edberg & Shannon show how to do "Topography in a box". Dr. Bonnie Buratti discusses the Moon.
Audience: Gen. Edu. Resource Site: JPL
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/17/1999 - 1:33:00 Producer: Parrillo

AVC-1999-125-6/6 **"Earth's A Planet Too"--A Conference for Educators**
A teachers conference, held in von Kármán Auditorium, introduced by Shannon McConnell, Cassini Program Outreach. Dr. Richard Zurek discusses Atmospheric Studies. This is a continuation of his talk from part 5 of the tapings.
Audience: Gen. Edu. Resource Site: JPL
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/17/1999 - 0:08:00 Producer: Parrillo

AVC-1999-127-1/1 **MOC Images 165 and 173a&b - Video File**
Animation of MOC images 165 and 173b,
still images of MOC 165 and 173a.
Images of a spring on Mars plus boulders and slopes in a crater in Aeolis.
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/19/1999 - 0:02:30 Producer: Dawson

AVC-1999-128-1/2 **Cassini Friends & Family**
Cassini-Huygens Earth Swing-By. Family & Friends share in the excitement of the Cassini Spacecraft as it swings by Earth. This is the last time that Cassini will fly by the earth before it approaches Saturn.
Audience: JPL NASA Site: von Kármán Aud.
Client: Fernando Peralta

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 2:24:00
08/17/1999 - 1:20:00 Producer: Parrillo

AVC-1999-128-2/2 **Cassini Friends & Family**
Part 2 of 2
Audience: JPL NASA Site: von Kármán Aud.
Client: Fernando Peralta
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT 2:24:00
08/17/1999 - 1:04:00 Producer: Parrillo

AVC-1999-129-1/1 **Deep Space 1 - Video File**
Animation of S/C passing asteroid and interviews with Marc Rayman and Robert Nelson.
Audience: News Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/03/1999 - 0:05:00

AVC-1999-131-1/1 **Space Science Update - Mars Polar Lander Landing Site Selection**
Presenters: Dr. Richard Zurek, Proj. Scientist (JPL)
Joe Boyce, Mars Surv. 98 Prog. Scientist (NASA HQ)
Dr. Sam Thurman, Mission Mgr., (JPL)
Dr. Suzanne Smrekar, Deep Space 2 Proj. Scientist (JPL)
Audience: Edu. Tech. NASA Site: NASA HQ
Client: Media Relations, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/25/1999 - 0:50:00 Producer: NASA HQ (Borst)

AVC-1999-132-1/1 **Exploration Technology Rover - FIDO**
A yearly update of the activities and tests of the Field Integration, Design, and Operations rover known as FIDO.
Audience: Tech. Site: Silver Lake, CA
Client: Dr. Eric Baumgartner, Org. 354
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
08/28/1999 - 0:07:46 Producer: Savona

AVC-1999-133-1/1 **Welcome to Outer Space - 1999 single-screen version**
VTV-428 Single screen version of the three-screen video presentation shown in von Kármán Auditorium. "Welcome to

Outer Space", gives a fast-paced overview of the history of JPL, current missions and what the future may hold.
Narrated by Jodie Foster.
Audience: Gen. Edu. JPL News Resource Site: JPL
Client: Steve Bridges, Org. 182
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo mix 2: Stereo mix
08/26/1999 - 0:20:48 Producer: Semerano/Savona

AVC-1999-134-1/1 **The '97-'99 El Nino/La Nina, TOPEX/Poseidon Animations**
Animated images from the TOPEX/Poseidon satellite altimeter covering the El Nino/La Nina period. Animation covers Dec 3 '96 - June 18 '99.
Audience: Gen. Resource
Client: Lee Fu, Org. 3237
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/29/1999 - 0:02:25 Producer: Jim Lambert

AVC-1999-136-1/1 **SeaWinds Video File**
SeaWinds data collection b-roll and interview with Dr. David Long.
Audience: Gen. NASA News Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/30/1999 - 0:07:30 Producer: Chavez

AVC-1999-142-1/1 **von Kármán Lecture Series: "Twenty Years of Discovering Jupiter"**
VTV-841 This year, 1999, marks the 20th anniversary of the Voyager flybys of Jupiter and the 10th anniversary of Galileo's deployment from the Shuttle Atlantis. Speakers include: Jim Erickson, William O'Neil, Dr. Ed Stone, Dr. Torrence Johnson and Dr. Andy Ingersoll; and David Seidel moderates.
Audience: Gen. Site: von Kármán Aud.
Client: Eric Hayne
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/16/1999 - 1:14:58 Producer: Savona

AVC-1999-144-1/1 **Mars Climate Orbiter - Video File**
Animation of MCO and Mars Polar Lander
Launch of MCO
"B" Roll of MCO at Kennedy
Interview with Dr. Richard Zurek

Interview with Dr. Sam Thurman
Audience: Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/17/1999 - 0:16:01 Producer: Savona

AVC-1999-145-1/1 **Mars Global Surveyor - Mars Orbiter Camera Images 9/21/99 -Video File**

Still and animated images from the MGS and MOC camera system of the Lasswitz Crater area from both 1997 and 1999.
Still and animation of an image of the Mysterious Martian Mountains of Mitchel
Audience: Resource
Client: Mary Hardin
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/21/1999 - 0:06:00 Producer: Dawson

AVC-1999-147-1/2 **Mars Climate Orbiter - Orbit Insertion Event**

Live feed from bldg. 264-MSA & Lockheed Martin in Denver. Commentary from David Seidel.
Audience: Site: JPL-264-MSA
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/23/1999 - 1:00:00 Producer: Beck

AVC-1999-147-2/2 **Mars Climate Orbiter - Orbit Insertion Event**

Live feed from bldg. 264-MSA & Lockheed Martin in Denver. Commentary from David Seidel.
Note: MCO failed to achieve orbit.
Audience: Site: JPL-264-MSA
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/23/1999 - 0:20:00 Producer: Beck

AVC-1999-148-1/1 **Mars Climate Orbiter Post-Arrival Briefing**

Frank O'Donnell - Moderator
Panel includes:
Dr. Carl Pilcher-Science Dir., Solar System Exploration, NASA HQ
Richard Cook-Project MGR. Mars Surveyor Oper., JPL
Dr. John McNamee-Mars '98 Development Mgr., JPL
Audience: Gen. News Site: von Kármán

Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/23/1999 - 0:42:05 Producer: Beck

AVC-1999-150-1/1 **MGS MOC Release No. MOC2-179, 27 Sept. 1999 - Video File**
Wide angle view of Arsia Mons Volcano on Mars.
Static image and then an animated zoom in and zoom out of Volcano.
Audience: Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/24/1999 - 0:02:30 Producer: Dawson

AVC-1999-151-1/1 **Sulfuric Acid On Europa - Video File**
Image of Europa taken by the near infrared mapping spectrometer on NASA's Galileo Spacecraft.
Audience: Gen. JPL NASA
Client: Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/28/1999 - 0:04:00 Producer: Parrillo

AVC-1999-156-1/1 **Galileo Flyby of Io - Video File**
Galileo Flyby of Io, Orbit 1-24 animation
3 still photos of Io
Highlights of the Galileo Mission in animation and real images
Audience: News Resource
Client: Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/06/1999 - 0:10:00 Producer: Semerano

AVC-1999-161-1/1 **MGS MOC Release #MOC2-185 - Video File**
Mars images: MOC2-185 18 October 1999, The Terrain of Margaritifer Chaos. Jumbled and broken terrain known as chaotic terrain.
Audience: News
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/08/1999 - 0:01:15 Producer: Dawson

AVC-1999-164-1/1 **MGS MOC Release #MOC2-186 - Video File**

Mars images from Mars Global Surveyor
Possible rootless cones or pseudo craters on Mars.
MGS MOC Release No. MOC2-186, 22 October 1999.
Small cone-shaped structures on lava flows in southern Elysium Planitia and in the Northern hemisphere of the red planet Mars.
Audience: News
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/18/1999 - 0:01:15 Producer: Dawson

AVC-1999-165-1/1 **The 1997-1999 El Nino/La Nina - Video File**
Observation from Topex/Poseidon.
Dec. 3, 1996 thru June 18, 1999.
Audience:
Client: Ainsworth
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/29/1999 - 0:01:56 Producer: Parrillo

AVC-1999-166-1/1 **Planetary Dexterous Manipulators FY'99**
A summary of accomplishments of the PDM task in fiscal year 1999 - 6:24
An unedited segment on autonomous multiple sample acquisition - 9:38
Audience: Tech. JPL Site: JPL
Client: Hari Das, Org. 345
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
TRT - 16:13
10/28/1999 - 0:16:13 Producer: Savona

AVC-1999-169-1/1 **MGS/MOC Solar Eclipse on Mars - Video File**
The shadow of the Martian moon, Phobos. Three color filter images of the shadow of Phobos as it crosses between the Sun and Mars.
Audience: News
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/01/1999 - 0:02:00 Producer: Dawson

AVC-1999-170-1/1 **Hawaiian-Style Volcanic Features on Io - Video File**
New Galileo images of the Prometheus volcano on Jupiter's IO reveal two hot spots and a volcanic caldera seven times

larger than Kilauea.
NIMA infrared images of the caldera
Audience: News Resource
Client: Platt
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/02/1999 - 0:02:00 Producer: Dawson

AVC-1999-171-1/5 **"Light, Waves and Interference" Teachers Workshop**
Live Webcast. Introduced by Rhonda Hines. Topics presented by Rudi Danner, Paul Rosen and Steve Edberg.
Audience: Edu.
Client: Rhonda Hines
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1999 - 1:33:00 Producer: Semerano/Savona

AVC-1999-171-2/5 **"Light, Waves and Interference" Teachers Workshop**
Live Webcast with Steve Edberg.
Audience: Edu.
Client: Rhonda Hines
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1999 - 0:03:00 Producer: Semerano/Savona

AVC-1999-171-3/5 **"Light, Waves and Interference" Teachers Workshop**
Live Webcast. Topics presented by Steve Edberg and Rudi Danner.
Audience: Edu.
Client: Rhonda Hines
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1999 - 1:30:00 Producer: Semerano/Savona

AVC-1999-171-4/5 **"Light, Waves and Interference" Teachers Workshop**
Live Webcast. Topics presented by Gerard Van Belle and Mike Klein.
Audience: Edu.
Client: Rhonda Hines
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1999 - 1:11:00 Producer: Semerano/Savona

AVC-1999-171-5/5 **"Light, Waves and Interference" Teachers Workshop**
Live Webcast. Topics presented by Annie Richardson and Steve Edberg.

Audience: Edu.
Client: Rhonda Hines
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/29/1999 - 1:10:00 Producer: Semerano/Savona

AVC-1999-173-1/1 **MGS/MOC Image # MOC2-188, 8 November 1999 - Video File**
Mars images: Close up view of giant impact crater...three times the size of the earth's well known Meteor Crater in Arizona.
Audience: News Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/08/1999 - 0:01:00 Producer: Dawson

AVC-1999-175-1/1 **Mars Climate Orbiter Investigation Board News Briefing**
VTV-846
Board Chairman Art Stephenson, Director of the Marshall Space Flight Center, Dr. Ed Weiler and Dr. Stone participated in the news conference.
Audience: Edu. Tech. NASA Site: NASA HQ
Client: NASA HQ, Org. NASA
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/10/1999 - 1:07:17 Producer: NASA HQ

AVC-1999-176-1/1 **Mars Polar Lander and Deep Space 2 Composite - Video File**
Composite tape includes elements from:
AVC-1998-112 Mars: The Past as Prolog
AVC-1999-075 MOLA Animation - 3D Views of Mars
AVC-1999-133 Welcome to Outer Space
AVC-1999-002 Mars Polar Lander Launch
AVC-1997-168 Mars Surveyor '98 Animation
AVC-1998-203 DS2 Microprobe Mission to Mars
AVC-1998-216 Mars Polar Lander and Deep Space 2
AVC-1999-131 SSU-Mars Polar Lander Landing Site Selection
Audience: Resource
Client: Hardin
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/10/1999 - 0:40:00 Producer: Dawson

AVC-1999-178-1/1 **MGS/MOC Image of Antarctic-Style Polygons**
Mars image released 11/15/99 show a terrain south of Hellas that is covered with ant artic-style polygons. Indicating ground ice in the near subsurface.

Audience: News Resource
Client: Hardin / Dawson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/12/1999 - 0:01:00

AVC-1999-182-1/1 **NASA TERRA Pre-Launch Briefing**
Briefing describing upcoming TERRA launch from Vandenberg AFB. Includes animations covering spacecraft activities and science. Dr. Ghassem Asrar-Assoc. Admin. Office of Space Science; Dr. Michael King-EOS Sr. Proj Scientist; Kevin Grady-TERRa Proj. Man.; Dr. Yoram Kaufman-TERRA Proj Scientist; Dolly Perkins Dep. Assoc. Dir. EOS Operations.
Audience: Tech. Site: NASA-HQ
Client: FOD, Org. 182
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/23/1999 - 0:58:00 Producer: Borst

AVC-1999-183-1/1 **MGS/MOC Layers of the South Polar Layered Deposits - Video File**
Mars images: MGS/MOC Release No. MOC2-190, 22 November 1999. Images of the "South Polar Layered Deposits" on which the Mars Polar Lander will touch down on December 3, 1999.
Audience: News Resource
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/23/1999 - 0:01:10 Producer: Dawson

AVC-1999-184-1/1 **Mars Polar Lander & Deep Space 2 Mission Overview Briefing, 12:00 Noon**

Includes an overview of mission activities; technology of Mars Polar Lander and Deep Space 2; and an initial status report from trajectory correction #4, which is scheduled to have taken place at 10 a.m.
Presenters: Richard Cook, Mars Polar Lander Project Manager (Operations), JPL
Dr. John McNamee, Mars Polar Lander Project Manager (Development), JPL
Dr. Sam Thurman, Mars Polar Lander Flight Operations Manager, JPL
Sarah Gavit, Deep Space 2 Project Manager, JPL
Audience: JPL News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix

11/30/1999 - 0:59:00 Producer: Savona

AVC-1999-185-1/1 **"Mars: the Mysterious Red Planet" -Background Briefing, 12/01/99**
Dr. Dan McCleese, Chief Scientist of JPL's Mars Exploration Prog., describes before a live audience, why and how we persist in our most ambitious and difficult space adventure: to explore the mysteries of Mars.
Audience: Tech. JPL Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/01/1999 - 0:27:35 Producer: John Beck

AVC-1999-186-1/1 **Mars Polar Lander Science Briefing, 12/01/99 - 10:00 AM**
JPL Media Relations Moderator: Mary Hardin
Presenters:
Dr. Richard Zurek, Project Scientist, Mars Polar Lander, JPL;
David Paige, Principal Investigator, Mars Volatiles and Climate Surveyor (MVACS), University of California, Los Angeles;
Dr. Michael Malin, Principal Investigator, Malin Space Sciences Systems, Inc., San Diego;
Dr. Slava Linkin, Principal Investigator, LIDAR Instrument, Space Research Institute, Russia;
Dr. Sue Smrekar, Project Scientist, DS2 Microprobes, JPL.
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/01/1999 - 1:07:00 Producer: Savona

AVC-1999-187-1/1 **"The Search for Water, the Search for Life" - Background Briefing**
Water and its role in the possible development of life in niches throughout the solar system.
Moderator: Dr. Pamela Conrad, JPL
Panelists: Dr. Ken Nealson, JPL Astrobiology Unit; Dr. Michael Meyer, DS2 Program Scientist, NASA Hq; Dr. Jonathan Lunine, Prof. Univ. of Arizona.
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/01/1999 - 0:30:00 Producer: Lance Webster

AVC-1999-188-1/1 **Mars Polar Lander Landing Site Science Briefing, 12/2/99 - 10:00 AM**

A briefing on landing site, including observations from instruments on the currently orbiting Mars Global Surveyor.
Moderator: Dr. Richard Zurek, Project Scientist, Mars Polar Lander, JPL.
Panelists:
Dr. David Paige, Principal Investigator, Mars Volatiles and Climate Surveyor (MVACS), University of California, Los Angeles;
Dr. Michael Malin, Principal Investigator, Mars Descent Imager, Malin Space Science Systems Inc., San Diego;
Dr. David Smith, Principal Investigator, Mars Global Surveyor's Mars Orbiter Laser Altimeter (MOLA), Goddard Space Flight Center, Greenbelt, Maryland;
Dr. Bruce Murray, Science Team Member, DS2 Microprobes, California Institute of Technology;
Media Relations Emcee: Mary Hardin
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix j
12/02/1999 - 1:13:00 Producer: Savona

AVC-1999-189-1/1 **Mars Polar Lander Science Briefing, 12/2/99 - 12:00 Noon**
Reported on the activation of the command sequence on the spacecraft that will control all entry, descent & landing activities. In addition, a discussion of possible mission contingencies.
Moderator: Frank O'Donnell, Media Relations Manager, JPL.
Panelists:
Dr. Sam Thurman, Mars Polar Lander Flight Operations Manager, JPL;
Richard Cook, Mars Polar Lander Project Manager (Operations), JPL;
Sarah Gavit, Deep Space 2 Project Manager, JPL.
Audience: JPL News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/02/1999 - 1:05:30 Producer: Savona

AVC-1999-190-1/1 **Mars Polar Lander/DS2 Mission Status Briefing, 12/3/99 - 9:00 AM**
Moderator: Frank O'Donnell
Panelists:
Michael Watkins, JPL/Caltech Navigation & Mission Design Manager;
Richard Cook, Mars Polar Lander Project Manager;

Dr. Sam Thurman, Mars Polar Lander Flight Operations Manager;
Sarah Gavit, Deep Space 2 Mars Microprobe Project Manager.
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 0:52:00 Producer: Savona

AVC-1999-191-1/1 **Mars Polar Lander/DS2 Mission Status Briefing, 12/3/99 - 1:30 PM**
Richard Cook discussed lack of data and the next opportunity for communication from the spacecraft.
Moderator:
Frank O'Donnell, JPL Media Relations Manager
Presenter:
Richard Cook, Mars Polar Lander Project Manager (Operations), JPL
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 0:15:00 Producer: Savona

AVC-1999-192-1/1 **Mars Polar Lander/DS2 Mission Status Briefing, 12/3/99 - 10:40 PM**
Discussed lack of communications with Mars Polar Lander, DS2 and ground controllers.
Moderator: Mary Hardin, JPL Media Relations
Panelists:
Richard Cook, Mars Polar Lander Project Manager;
Sarah Gavit, Deep Space 2 Mars Microprobes Project Manager;
Dr. David Paige, Principal Investigator, Mars Volatiles and Climate Surveyor (MVACS), University of California, Los Angeles;
Dr. Sue Smrekar, Project Scientist DS2 Microprobes, JPL.
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 0:34:00 Producer: Savona

AVC-1999-193-1/2 **Mars Polar Lander/DS2 COMMENTARY, 12/3/99 - 7:30 PM**
Host: Dr. Richard Terrile
Guests:
5:22:13 - Sarah Gavit
10:59:28 - Andy Stone
16:18:27 - Dr. Edward Stone & Tom Gavin

17:24:04 - Tom Rivellini
Audience: JPL NASA News Resource Site: JPL/Bldg. 264
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 1:13:00 Producer: Beck

AVC-1999-193-2/2 **Mars Polar Lander/DS2 COMMENTARY, 12/3/99 - 7:30 PM**
Host: Dr. Richard Terrile
00:05:19 - Operations Engineering (JPL Mission Control (264-2nd Floor)
01:05:27 - Dr. Rich Terrile
01:21:23 - NASA/JPL Graphics
02:50:54 - Sarah Gavit
04:20:25 - Sarah Gavit
05:56:00 - Dr. Rich Terrile
06:12:03 - Sara Gavit
08:10:17 - Dr. Rich Terrile
08:48:09 - Mission Control, Various Shots & Staff
09:13:10 - " "
11:45:08 - Tracking Station announcement - NO SIGNAL, continue to look.
11:59:02 - Flight Operations Staff
17:15:20 - Announcement - JPL Lab
17:23:09 - Copy Conformation
17:41:28 - TS-2 Announcement
18:10:20 - TS2-OPT's Announcement
18:23:23 - Copy confirmation(JPL Lab)
18:32:27 - Dr. Terrile, JPL - Mike Malin and signal opportunity search
19:18:07 - MPLA Announcement, search pattern
19:35:05 - MPLA Announcement - 30-40 points
19:49:17 - Dr. Terrile - Raster Scan, 10 positions will end search at 9:32 PST
20:36:06 - Kerry Lewis - JPL
20:56:20 - Intro Kerry Lewis (DS2) JPL
21:12:28 - Dr. Rich Terrile - Mission Support Items
21:53:26 - " " - Misc. descriptive items
25:53:26 - Dr. Stone - JPL
26:46:09 - Announcement, all stations 35-40points
27:26:00 - Dr. Rich Terrile
28:07:25 - MPLA Announcement
31:00:03 - Announcement - Terrile, JPL I.D. Statement
31:20:25 - MPLA Announcement
32:39:13 - Mike Malin Announcement
33:34:17 - All Stations Announcement 40th point completed

37:58:13 - Announcement (Mars Relay) "Receptive to Data Tone" & Copy
38:35:09 - Dr. Sam Thurman, Today's rundown
43:47:09 - Daniel S. Goldin, Dr. Edward Stone and Marshall Flt CTR. Director
45:11:13 - UCLA
46:06:28 - Tom Rivellini & Kerry Fischer
46:29:26 - Dr. Terrile, Kerry Fischer and Kerry Lewis
49:05:07 - Deep Space Operations Room
51:18:04 - Dr. Terrile Announcing - 15 min. into Data Pass(DS2)
54:07:13 - Congressman Dryer & Daniel Goldin
55:55:10 - UCLA
56:42:18 - Deep Space Operations Room
58:40:10 - JPL
59:44:13 - Deep Space Operations Room
1:00:05:20 - Dr. Terrile, JPL ID Tag
1:00:58:00 - DS2 Operations Announcement/Data relay completed (DS2)
1:01:24:27 - DS2 Announcement - Stand by Please
1:02:34:27 - Kerry Lewis & Tom Rivellini
1:03:37:26 - Mike Malin - "Only Red" HKTM on this Pass"
1:06:11:00 - Mike Malin Announcement - HKTM File for copy
1:06:34:08 - DS2 - Confirmation & repeating file
1:07:46:13 - Mike Malin Announcement - MR - Performance report
1:08:30:04 - Dr. Terrile - Link to earth OK.
1:10:56:00 - Dr. Terrile - Close Out
1:12:01:16 - Closing Graphics
Audience: JPL NASA News Resource Site: JPL/Bldg. 264
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 1:33:00 Producer: Beck

AVC-1999-195-1/1 **Mars Polar Lander/DS2 COMMENTARY, 12/4/99 8:15PM**
Audience: JPL NASA News Resource Site: JPL/ULCA
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1999 - 1:00:00

AVC-1999-196-1/1 **Mars Polar Lander/DS2 Mission Status Briefing, 12/4/99-9:30PM**
Discussed problems in communication with the lander.
Moderator: Frank O' Donnell
Panelists: Richard Cook, Sarah Gavit, Sam Thurman

Audience: JPL NASA News Resource Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1999 - 0:29:30 Producer: Savona

AVC-1999-197-1/1 **"Future Robotic Mars Exploration" Background Briefing, 12/4/99-6:00 PM**

Moderator: Dr. Dan McCleese
Panelists: Dr. Carl Picher, NASA Hq.
Dr. Matt Golombek, Planetary Scientist
Silvia Miller, Mars Mission Architect
Audience: JPL NASA News Resource Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/1999 - 1:00:00 Producer: Beck/Webster

AVC-1999-198-1/1 **Mars Polar Lander/DS2 Mission Status Briefing, 12/5/99 - 11:30 AM**

Update on Mars Polar Lander and DS2. The operations team still searching for Lander and Microprobe and will continue through today and tomorrow, the next 24 hours are very important.
Moderator: Frank O'Donnell, JPL Media Relations Manager
Panelists:
Richard Cook, Mars Polar Lander Project Manager;
Dr. Sam Thurman, Mars Polar Lander Flight Operations Manager;
Sarah Gavit, DS2 Mars Microprobes Project Manager.
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/05/1999 - 0:31:00 Producer: Savona

AVC-1999-199-1/1 **Mars Polar Lander/DS2 COMMENTARY, 12/5/99 - 9:30 PM**

Host: David Seidel
l3:55:00 - Phil Kanocke and Cahs Wetzel
UCLA - Dr. David Page
16:45:00 - Dr. Sam Thurman
31:00:00 - Kerry Lewis and Sarah Gavit
1:12:46:00 - Richard Cook
1:14:08:00 - John MacNamee
1:15:06:00 - Steve Brody
Audience: JPL NASA News Resource Site: JPL/Bldg. 264
Client: MRO/Frank O'Donnell, Org. 1810

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/05/1999 - 1:20:00 Producer: Beck

AVC-1999-200-1/1 **Mars Polar Lander/DS2 Mission Status Briefing, 12/5/99 - 11:00PM**
Moderator: Frank O'Donnell, JPL Media Relations Mgr
Panelist: Richard Cook, Mars Polar Lander Project Manager
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/05/1999 - 0:14:00 Producer: Savona

AVC-1999-201-1/1 **Mars Polar Lander/DS2 COMMENTARY, 12/3/99 - 11:00 AM**
"Mars Landing 1999"
Host: David Seidel
0:05:39:00 - Dr. Sam Thurman
0:13:26:28 - Dr. Richard Zurek
0:36:29:13 - Rob Manning
0:48:15:00 - Sarah Gavit
0:57:03:16 - John MacNamee
1:16:46:03 - Chris Jones
1:21:50:16 - Daniel Goldin, Ed Weiler, Tom Gavin
1:23:04:02 - Dr. David Baltimore, Dr. Edward Stone, Dr. Charles Elachi
1:33:50 - END
Audience: JPL NASA News Resource Site: JPL/Bldg. 264
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 1:33:00 Producer: Beck

AVC-1999-202-1/1 **Mars Polar Lander/DS2 COMMENTARY, 12/3/99 - 2:00 PM**
Host: David Seidel
05:36:20 - Dr. Sam Thurman, Richard Cook, Phil Kaoncke, Daniel S. Goldin, Dr. Edward Stone, Dr. Ed Weiler, Dr. Charles Elachi, Dr. David Baltimore
07:21:11 - Arthur Stevenson, Teleconferencing Representative, Congressman David Dryer
Audience: JPL NASA News Site: JPL/Bldg. 264
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 0:51:00 Producer: Beck

AVC-1999-203-1/1 **Mars Polar Lander/DS2 Mission Status Briefing, 12/7/99 - 1:00 AM**

The team will try to communicate with the lander for another two weeks or so, but that expectations for success are remote. They vow to learn from the experience and continue exploring the Red Planet.
Moderator: MaryBeth Murrill, Media Relations News Chief
Panelists:
Richard Cook, Mars Polar Lander Project Manager (Operations), JPL;
Sarah Gavit, Deep Space 2 Project Manager, JPL;
Dr. Daniel McCleese, Mars Surveyor Program Scientist, JPL;
Dr. Chris Jones, Mars Surveyor Program Manager, JPL/Caltech.
Audience: JPL NASA News Site: JPL/von Kármán
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/1999 - 0:25:40 Producer: Savona

AVC-1999-204-1/1 **Mars Polar Lander/DS2 COMMENTARY, 12/4/99 - 11:00 PM**
Host: David Seidel
01:39:04 - Dr. Sam Thurman, Phil Kanocke, Daniel S. Goldin, John MacNamee, Dr. Edward Stone, Dr. Edward Weiler, Tom Gavin, Dr. Charles Elachi
05:03:11 - Dr. Chris Jones
30:35:17 - Graphic
43:44 - End
45:02 - Graphic til
Audience: JPL NASA News Site: JPL/ Bldg.264
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/1999 - 0:45:02 Producer: Beck

AVC-1999-205-1/1 **Mars Polar Lander/DS2 COMMENTARY, 12/5/99 - 10:45 AM**
Host: David Seidel
03:47:02 - Dr. Sam Thurman, Phil Kanocke
10:01:00 - Dr. David Paige, Karen McBride, Richard Cook, Jacques Blemonde
14:07:00 - Dr. Richard Zurek
24:46:00 - Joe Beer
26:17:00 - Dr. Charles Elachi, Dr. Edward Stone, Earl Huckins, Dr. Richard Zurek, Joe Boyce, David Paige, Reed Thomas, Gene Brower
Audience: JPL NASA News Site: JPL/Bldg. 264
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

12/05/1999 - 0:56:00 Producer: Beck

AVC-1999-206-1/1 **Mars Polar Lander/DS2 COMMENTARY, 12/7/99 - 12:00 AM**
Host: David Seidel
Audience: JPL NASA News Site: JPL/Bldg. 264
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/1999 - 0:45:00 Producer: Beck

AVC-1999-208-1/1 **MISR Launch Day "B" Roll - Video File**
Animation of MISR instrument in operation around the Earth.
Interview with Dr. David Diner, JPL Principal Investigator.
Interview with Dr. Ralph Kahn, Aerosol Scientist for MISR.
Audience: News Resource
Client: Ainsworth
Master: BCAMsp
Audio 1: Silent 2: Mono mix
12/13/1999 - 0:17:38 Producer: Dawson/Savona

AVC-2000-001-1/1 **Europa Magnetic Fields Animation - Video File**
Animation depicting Europa's north magnetic pole reversing based on data collected from the Galileo Spacecraft.
Europa's magnetic field reverses every 5.5 hours as a direct result of the influence of Jupiter's oscillating magnetic field.
Audience: Gen. Edu. JPL NASA News Resource
Client: Torrence Johnson
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
01/08/2000 - 0:00:50 Producer: Semerano

AVC-2000-003-1/1 **TOPEX/Poseidon/PDO/Bill Patzert - Video File**
Animation of the TOPEX/Poseidon instrument in space.
Historic animation from TOPEX/Poseidon 97 to 99
2 new images from T/P showing the Pacific Decadal Oscillation effect.
Interview with Dr. William Patzert
Audience: Resource
Client: Diane Ainsworth
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Mono mix
01/14/2000 - 0:07:47 Producer: Savona

AVC-2000-004-1/1 **von Kármán Lecture Series: "Near-Earth Objects"**
VTV-853 Dr. Donald Yeomans discusses how comets and

asteroids that can closely approach Earth are scientifically important because they are valuable natural resources for the colonization of the inner solar system, and because they are horrific threats to life on Earth.
Audience: Gen.
Client: Eric Hayne
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/20/2000 - 0:58:27 Producer: Savona

AVC-2000-006-1/1 **STS 99 SRTM - Mission Overview**
Paul Dye, lead flight director, Johnson Space Center; Dr. Earnest Paylor, NASA Shuttle Radar Topography Mission program Scientist, Office of Earth Science, Washington, D.C.
Audience: News Resource Site: KSC
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
01/21/2000 - 0:55:00 Producer: KSC

AVC-2000-007-1/1 **STS 99 SRTM - Technology & Science Briefing with NASA TV - Video File**

Imagery and Mapping Agency, Bethesda, Md.; Dr. Diane Evans, Earth Science Program chief scientist, JPL; Marian Werner, X-band Synthetic Aperture Radar project manager, DLR (German Space Agency), Oberpfaffenhofen, Germany; Edward Caro, SRTM chief engineer, JPL.
Audience: News Resource Site: KSC
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
01/21/2000 - 1:49:00 Producer: KSC

AVC-2000-008-1/1 **STS 99 SRTM - Crew Press Conference**

Kevin Kregel, space shuttle commander; Dom Gorie, pilot; Gerhard Thiele (European Space Agency), mission specialist 1; Janet Kavandi, mission specialist 2; Janice Voss, mission specialist 3; Mamoru Mohri (Japanese Space Agency), mission specialist 4.
Audience: News Resource Site: KSC
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
01/21/2000 - 0:36:15 Producer: KSC

AVC-2000-009-1/1 **President Clinton's Address at Caltech**
VTV-851

President Bill Clinton Science and Technology address at Calif. Institute of Technology, Beckman Auditorium. Gordon Moore, Chairman CIT Board of Trustees and David Baltimore President of CIT appear with the President.
Audience: Gen. Site: Beckman,
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/21/2000 - 0:51:00 Producer: Caltech

AVC-2000-014-1/1 **SRTM Prelaunch Overview**

Animation of the instrument in the payload bay and mast deployment, coverage map from JSC launch minus 14 press briefing. Three dimensional views of Pinatubo and Kamchatka from the Space Radar Laboratory from mission summary tapes.
Audience: News Resource
Client: Dr. Diane Evans, Org. 730
Master: BCAMsp
Audio 1: Silent 2: Silent

01/27/2000 - 0:08:00 Producer: Savona

AVC-2000-015-1/1 **Sun's Crooked Magnetic Field - Video File**
Animated image of the sun produced from over one months imaging. The center has been blacked out so we can see the solar wind emanating from the sun.
"B" roll of the Sun using optical and x-ray photographic techniques.
Audience: News Resource
Client: Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/28/2000 - 0:01:00 Producer: Semerano

AVC-2000-018-1/1 **Seawinds Instrument onboard the QuikSCAT Satellite - Video File**
Seawinds keeps eye on world's winds and storms.
Seawinds sees birth and development of monsoon rains.
Seawinds watches iceberg motion in Antarctic.
Audience: News Resource
Client: Mary Beth Murrill
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
01/28/2000 - 0:03:03 Producer: Savona

AVC-2000-019-1/1 **STS-99, SRTM L-2 Countdown Status, 3:00 P.M.-PST**
Presenters: George Diller, NASA Public Affairs
Ron Dittemore, Shuttle Program Manager-JSC
Dave King, Dir. of Shuttle Operation - KSC
Klaus Damian, Head, ESA Astronaut Training Div.
Capt. Clif Stargardt, Meteorologist 45th Weather Squadron, USAF
Audience: News Resource Site: KSC
Client: Mona Jasnow, Org. 7300
Master: sVHS
Audio 1: Mono mix 2: Mono mix
01/29/2000 - 0:51:00 Producer: KSC

AVC-2000-020-1/1 **SRTM Shuttle Status Briefing, 6:00 AM - PST**
Presenters: George Diller, NASA Public Affairs
Steve Atimus, NASA Test Director
Scott Higginbotham, STS-99 Payload Manager
Ed Priselac, Shuttle Weather Officer
Audience: News Resource Site: KSC
Client: Mona Jasnow, Org. 7300
Master: sVHS
Audio 1: Mono mix 2: Mono mix

01/29/2000 - 0:32:00 Producer: KSC

AVC-2000-021-1/1 **STS-99/L-1 Shuttle Status Briefing & SRTM Mission Overview**
6:00 AM, STS-99 L-1 Shuttle Status Briefing - 17:00 Min.
6:30 AM, SRTM Mission Overview - 1:10:00 Min.
Audience: News Resource Site: KSC
Client: Mona Jasnow, Org. 7300
Master: sVHS
Audio 1: Mono mix 2: Mono mix
01/30/2000 - 1:17:00 Producer: KSC

AVC-2000-024-1/1 **NASA 2001 Budget Briefing**
Dan Goldin outlines FY 2001 NASA Budget to media at NASA-HQ.
Audience: JPL NASA News Site: NASA-HQ
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/07/2000 - 0:53:40 Producer: HQ

AVC-2000-025-1/1 **STS-99 SRTM Pre-Launch Briefing L-2**
L-2 Briefing on upcoming launch of STS-99. Panelists; Ron Dittemore-Shuttle Prog. Man. JSC; Dave King Dir. Shuttle Processing KSC; Capt. Clif Stargardt Meteorologist 45th Weather Suadron.
Audience: News Site: KSC
Client:
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/09/2000 - 0:34:00 Producer: KSC

AVC-2000-026-1/4 **Dodging Rocks? Cassini Cruises Through the Asteroid Belt**
This Cassini Educator's workshop discusses the physical nature of asteroids, the impact probabilities, activity - rotation light curve/colors and the search for asteroids.
Presenters: Shannon McConnelle, Alan Harris, Steve Edberg, Paul Chodas
Audience: Edu. JPL Site: von Kármán Aud
Client: Shannon McConnell
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/10/2000 - 2:00:00 Producer: Greg Parrillo

AVC-2000-026-2/4 **Dodging Rocks? Cassini Cruises Through the Asteroid Belt**
This Cassini Educator's workshop discusses the physical nature of asteroids, the impact probabilities, activity - rotation light curve/colors and the search for asteroids.

Presenters: Steve Edberg, Bob Coutts
Audience: Edu. JPL Site: von Kármán Aud
Client: Shannon McConnell
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/10/2000 - 0:43:17 Producer: Greg Parrillo

AVC-2000-026-3/4 **Dodging Rocks? Cassini Cruises Through the Asteroid Belt**
This Cassini Educator's workshop discusses the physical nature of asteroids, the impact probabilities, activity - rotation light curve/colors and the search for asteroids.
Presenters: Eleanor "Glo" Helin, Steve Edberg, Steve Ostro
Audience: Edu. JPL Site: von Kármán Aud
Client: Shannon McConnell
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/10/2000 - 1:00:42 Producer: Greg Parrillo

AVC-2000-026-4/4 **Dodging Rocks? Cassini Cruises Through the Asteroid Belt**
This Cassini Educator's workshop discusses the physical nature of asteroids, the impact probabilities, activity - rotation light curve/colors and the search for asteroids.
Presenters: Bob Nelson and Don Yeomans
Audience: Edu. JPL Site: von Kármán Aud
Client: Shannon McConnell
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/10/2000 - 1:00:00 Producer: Greg Parrillo

AVC-2000-028-1/1 **STS-99 Launch with SRTM payload**
STS-99 Launch with SRTM(Shuttle Radar Topography Mapper) payload. Starts at T-9min and includes replays of launch. NOTE At T+5min Satellite was switched off by Goddard TV.
Audience: News Resource Site: KSC
Client: Mona Jasnow
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/11/2000 - 1:00:00 Producer: KSC (Borst)

AVC-2000-030-1/1 **STS-99 SRTM Mission Highlights Tape**
Highlights of the Shuttle Radar Topography Mission (SRTM) including Launch, Deploy and Retraction/Storage of Boom Mast. Simulations of the orbit of the SRTM and simulated flights over the surface of the Earth created from SRTM images and Digital Elevation Maps (DEMs).
Audience: News Resource

Client: Eric De Jong
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono Mix
03/10/2000 - 0:56:30 Producer: Eric DeJong

AVC-2000-031-1/1 **STS-99 SRTM Flight Day 1 Highlights**
STS-99 SRTM Flight Day 1 Highlights. Shows crew arrival, launch and radar mast deployment.
Audience: JPL News Resource
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/11/2000 - 0:19:00 Producer: JSC

AVC-2000-032-1/1 **STS-99 SRTM Flight Day 2 Status Briefing & Highlights**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Milt Heflin STS-99 Mission Operations Rep.; Mike Kobrick SRTM Proj. Scientist; Ed Caro SRTM Proj. Eng. JPL; Marian Werner XSAR Proj. Man. DLR, 30 min. Flight Day 2 Highlights 13 min.
Audience: JPL News Resource
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/13/2000 - 0:44:00 Producer: JSC

AVC-2000-033-1/1 **STS-99 SRTM Flight Day 3 Highlights**
STS-99 SRTM Flight Day 3 Highlights
Audience: JPL News Resource
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/13/2000 - 0:15:00 Producer: JSC

AVC-2000-034-1/1 **STS-99 SRTM Flight Day 4 Status Briefing & Highlights**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Milt Heflin STS-99 Mission Operations Rep.; Mike Kobrick SRTM Proj. Scientist; Ed Caro SRTM Proj. Eng. JPL; Dr. Giogio Franseschetti ASI. First Images and flyover animation, 45:00. Highlights 16:35
Audience: JPL News Resource
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/14/2000 - 1:02:00 Producer: JSC

AVC-2000-036-1/1 **STS-99 SRTM Flight Day 5 Status Briefing & Highlights**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Milt Heflin STS-99 Mission Operations Rep.; Dr. Thomas Farr SRTM Dep. Proj. Scientist JPL; Dr. Christianne Schmullius DLR. More Images and flyover animations, 55:00. Highlights 19:00
Audience: JPL News Resource Site: JSC
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/15/2000 - 1:14:00 Producer: JSC

AVC-2000-037-1/1 **STS-99 SRTM Flight Day 6 Status Briefing & Highlights**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Milt Heflin STS-99 Mission Operations Rep.; Dr. Earnest Paylor SRTM Prog. Scientist NASA-HQ; Dr. Jakob van Zyl Dep. Man. Earth Science JPL; Dr. Christianne Schmullius DLR. More Images and flyover animations, 48:00. Highlights 19:30
Audience: News Resource Site: JSC
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/16/2000 - 1:07:30 Producer: JSC

AVC-2000-038-1/1 **Daniel Stern Discovery of Most Distant Quasar - Video File**
Interview with Dr. Daniel Stern at Palomar Observatory, B-roll of Dr. Daniel Stern and animation of Quasar with super-massive black hole.
Audience: News Resource Site: Palomar Observ.
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/16/2000 - 0:08:00 Producer: Viotti/Beck

AVC-2000-039-1/1 **STS-99 SRTM Flight Day 7 Status Briefing & Highlights**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Milt Heflin STS-99 Mission Operations Rep.; Dr. Diane Evans Chief Scientist Earth Sci. Off.; Dr. Christianne Schmullius DLR. More Images and flyover animations, 31:00. Highlights 17:30
Audience: News Resource
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/17/2000 - 0:48:00

AVC-2000-040-1/1 **STS-99 SRTM Flight Day 8 Status Briefing & Highlights**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Milt Heflin STS-99 Mission Operations Rep.; Dr. Earnest Paylor SRTM Prog. Scientist NASA-HQ; Dr. Mike Kobrick SRTM Proj. Man. JPL; Marian Werner XSAR Proj Man. DLR. More Images and flyover animations, 1:02:00. Highlights 18:30
Audience: News Resource
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/18/2000 - 1:20:30 Producer: JSC

AVC-2000-041-1/1 **STS-99 SRTM Flight Day 9 Status Briefing & Highlights**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Jeff Bantle STS-99 Mission Operations Rep.; Dr. Earnest Paylor SRTM Prog. Scientist NASA-HQ; Dr. Jeffrey Plaut Research Scientist JPL; Dr. Christianne Schmullius DLR. More Images and flyover animations, 54:00. Highlights 24:00
Audience: News Resource
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/19/2000 - 1:18:00 Producer: JSC

AVC-2000-042-1/1 **STS-99 SRTM Flight Day 10 Status Briefing**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Paul Dye STS-99 Lead Flight Dir.; Dr. Earnest Paylor SRTM Prog. Scientist NASA-HQ; Tom Hennig SRTM Prog. Man. NIMA; Dr. Christianne Schmullius DLR. More Images and flyover animations.
Audience: News Resource
Client: Mona Jasnow
Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/20/2000 - 0:56:00 Producer: JSC

AVC-2000-043-1/1 **STS-99 SRTM Flight Day 11 Status Briefing**
Status Briefing on condition of Shuttle and SRTM payload. Panelists; Jeff Bantle STS-99 Mission Operations Rep.; John Shannon STS-99 Entry Flight Dir.; Dr. Mike Kobrick SRTM Proj. Man. JPL; More Images and flyover animations.
Audience: News Resource
Client: Mona Jasnow

Master: sVHS
Audio 1: Mono mix 2: Mono mix
02/21/2000 - 0:42:00 Producer: JSC

AVC-2000-044-1/1 **STS-99 SRTM Flight Day 12 Landing & Briefing**
Landing of shuttle starts at 8 minutes before touchdown and then includes replays and briefing following landing. Ron Dittemore - Space Shuttle Prog. Man.
Audience: News Resource
Client: Mona Jasnow
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/22/2000 - 0:50:00 Producer: JSC

AVC-2000-047-1/1 **Aids Vaccine: Finding The Cure**
VTV-858 Caltech President Dr. David Baltimore, one of the world's leading scientists spoke on the search for an AIDS vaccine, "Finding the Cure." This talk was part of the JPL sponsored von Kármán Lecture Series at JPL and at Pasadena City College.
Audience: Edu. Tech. JPL Site: von Kármán Aud
Client: Kim Lievense, Org. 1840
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/17/2000 - 1:32:30 Producer: Beck

AVC-2000-051-1/1 **Galileo and Cassini at Jupiter - Video File**
First animation shows the Galileo spacecraft encountering Jupiter; Second animation shows the Cassini Spacecraft at Jupiter;
Third segment is a series of images of Jupiter based on real data taken from the Voyager spacecraft.
Audience: News Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Silent 2: Silent
03/06/2000 - 0:02:03 Producer: Savona

AVC-2000-052-1/1 **Martian North & South Polar Caps Images - Video File**
High Resolution views comparing the Martian north and south polar residual caps taken by the Mars Global Surveyor.
Audience: News Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/07/2000 - 0:04:30 Producer: Semerano

AVC-2000-053-1/1 **The GAVRT Project**
The Goldstone Apple Valley Radio Telescope or GAVRT, is a curriculum-based science project that allows high school students access to a radio telescope to collect data and submit their findings to NASA's Jet Propulsion Laboratory for inclusion in databank of knowledge.
Audience: Gen. Edu.
Client: Shirley Wolff
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo Mix 2: Stereo Mix
03/09/2000 - 0:03:52 Producer: Beck/Savona

AVC-2000-054-1/1 **Mars Global Surveyor imagery of Dust Devils - Video File**
Pan of MOC2-220B
Pan of MOC2-220A
Still of MOC2-220C
Audience: News Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Silent 2: Silent
03/10/2000 - 0:02:00 Producer: Savona/Semerano

AVC-2000-055-1/1 **SRTM Compilation (Post mission)**
1. (long version) Animations, Launch, Mast deployment, on-orbit payload tours, Mast retract & fly throughs.
2. (short) Launch, Mast deployment, Palmdale fly-through & Tigil fly-through.
Audience: Resource
Client: Tom Farr
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/15/2000 - 0:34:12 Producer: Parrillo

AVC-2000-057-1/1 **Infrared - "More Than Your Eyes Can See"**
In this fast-paced educational program, Astronomer, Dr. Michelle Thaller explains the world of infrared light.
Audience: Gen. Edu.
Client: Dr. Michelle Thaller
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
03/17/2000 - 0:07:00 Producer: Gary Savona

AVC-2000-058-1/1 **Mars Animations and Latest Images**
Includes flyovers of the Martian terrain, MOLA images, north and south polar regions, Valles Marinaris, spacecraft

animations, Pathfinder pan of surface.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/22/2000 - 0:50:00 Producer: Beck

AVC-2000-060-1/1 **Terrestrial Planet Finder (TPF) - Video File**
TPF animation of proposed design
Star / Planet animation
Dr. Charles Beichman Interview
Audience: News Resource
Client: Michelle Viotti
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/28/2000 - 0:03:15 Producer: Savona

AVC-2000-061-1/1 **Mars Program Independent Assessment Team Briefing**
VTV-859
Tom Young Chairman of the Mars Program Independent Assessment Team gives findings of the team to Press Briefing at NASA-HQ. Ed Weiler Associate Admin. of Space Sciences for NASA talks about implementation of lessons learned.
Audience: News Resource Site: NASA-HQ
Client: Blaine Baggett
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/28/2000 - 1:19:00 Producer: NASA HQ

AVC-2000-062-1/1 **Dr. Stone News Briefing on Mars Independent Assessment Team Findings**
Dr. Ed Stone discusses the findings of the Independent Assessment Team (Young report) with the local news media.
Audience: News Site: von Kármán Aud
Client: Laura Dunn, Org. 100
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/28/2000 - 0:18:40 Producer: Greg Parrillo

AVC-2000-065-1/1 **Laboratory All Hands Meeting (Mars Failures Discussion) - Dan Goldin**
VTV-862
NASA Administrator, Daniel S. Goldin discusses the Mars Program Independent Assessment Findings (Young report) about the recent Mars mission failures. He gives JPL employees an uplifting bit of encouragement on how NASA looks to the future.
Audience: JPL Site: von Kármán Aud
Client: Laura Dunn

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/29/2000 - 0:29:00 Producer: Greg Parrillo

AVC-2000-066-1/1 **Ultrasonic Drill - Video File**
Animation of ultrasonic drill mounted on nanorover coring a rock on a small asteroid. B-roll of drill undergoing testing in laboratory. Interview with Dr. Yoseph Bar-Cohen.
Audience: News Resource Site: JPL
Client: Nancy Lavato
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/20/2000 - 0:06:31 Producer: Semerano

AVC-2000-067-1/1 **Ulysses Spacecraft Meets Comet Hyakutake - Video File**
Ulysses animation depicting spacecraft passing through Comet Hyakutake;
Assembly of the Ulysses spacecraft at Dornier Systems in Germany;
Interview with Dr. Nathan Schwadron explains what happened and why the finding is important.
Audience: News Resource
Client: NASA Television
Master: BCAMsp
Audio 1: Mono mix 2: Silent
04/03/2000 - 0:03:44 Producer: Gary Savona

AVC-2000-070-1/1 **Congressional Hearing by NASA's after The Young Report**
Tom Young and John Casani testify before the House Subcommittee on Science answering questions posed to them regarding their reports to Congress on the failures of Mars Polar Lander, Deep Space 2 and Mars Climate Orbiter.
Audience: NASA Resource Site: NASA HQ
Client: Blaine Baggett, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/12/2000 - 1:38:00 Producer: Ziats

AVC-2000-071-1/1 **MISR Collection**
Multi-angle Imaging Spectro-Radiometer (MISR) flown on the Terra Earth orbiting spacecraft.
Terra Launch HD downconversion (4:52) 12/18/99.
MISR First Images released at the 4/19/00 Press Conference/Science Update (11:17).
Audience: Resource Site: DIAL
Client: Eric DeJong

Master: BCAMsp Submaster: BCAMsp
Audio 1: silent 2: silent
04/18/2000 - 0:16:09 Producer: S. Suzuki

AVC-2000-072-1/1 **TERRA - First Science Briefing**
A 48:30 briefing from NASA-HQ with Principle investigators and Dr. Ghassem Asrar. Shows first science results - pictures and animations including flyovers and different filtered images of Earth by TERRA spacecraft orbiting Earth. Terra was launched from Vandenberg AFB on 12/18/99. A 35:00 videofile of images at end.
Panelists:
Dr. Yoram Kaufman, TERRA Project Scientist, NASA, GSFC;
Dr. Vincent Salomonson, Moderate-resolution Imaging Spectroradiometer (MODIS) Science Team Leader, NASA, GSFC;
Dr. David Diner, Multi-angle Imaging Spectro-Radiometer (MISR) Principle Investigator, NASA, JPL;
Dr. Yasushi Yamaguchi, Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Deputy Science Team Leader, Nagoya University;
Dr. Jim Drummond, Measurements of Pollution in the Troposphere (MOPITT) Principle Investigator, University of Toronto;
Dr. Bruce Barstrom, Clouds and the Earth's Radiant Energy System (CERES) Instrument, NASA, LaRC
Audience: News Resource Site: NASA HQ
Client: Frank O'Donnell, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/19/2000 - 1:23:00 Producer: NASA HQ

AVC-2000-078-1/1 **Planetary Alignment - Video File**
Planetary Alignment animation depicting the positions of the Earth, Sun, Moon, Mercury, Venus, Mars, Jupiter and Saturn over the past 10 years.
JPL research astronomer Dr. Myles Standish describes the May 5 alignment and explains why we won't be able to see it.
Audience: News Resource
Client: NASA Television
Master: BCAMsp
Audio 1: Mono mix 2: Silent
04/27/1900 - 0:03:50 Producer: Gary Savona

AVC-2000-080-1/1 **Dog Bone-Shaped Asteroid Kleopatra - Video File**
Radar images of asteroid Kleopatra in motion.
Audience: News Resource

Client: NASA Television
Master: BCAMsp
Audio 1: Silent 2: Silent
05/02/2000 - 0:00:45 Producer: Savona

AVC-2000-082-1/1 **Mars Global Surveyor Release Images - Video File**
A close-up look at a valley floor in the Libya Montes region of Mars.
A view of Layers on the Martian surface.
A wide-angle view of the Martian north polar cap.
A view of a mound near what was once the rim of an impact crater looks like a "hot cross bun".
North Pole
Hot Cross Bun
Audience: NASA Resource
Client: NASA Television
Master: BCAMsp
Audio 1: Silent 2: Silent
05/11/2000 - 0:03:26 Producer: Savona

AVC-2000-086-1/1 **Galileo Images of Volcanic Moon, Io - Video File**
Images taken by the Galileo spacecraft of Io in November 25, 1999:
Mosaic image of Culann Patera
Mosaic image of Hi'iaka Patera
Mosaic image of Tvashtar Catena
Audience: News Resource
Client: NASA Television
Master: Submaster: DVCPro50
Audio 1: Silent 2: Silent
05/16/2000 - 0:01:32 Producer: Savona

AVC-2000-089-1/1 **FIDO Rover in the Nevada Desert - Video File**
Experimental testing of the Field Integrated Design & Operations (FIDO) rover in the Nevada desert. Ray Arvidson explains certain aspects of the testing.
Audience: News Resource
Client: NASA Television
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/17/2000 - 0:13:50 Producer: Beck

AVC-2000-091-1/1 **Electronic Nose - Video File**
Video File on the development of the Electronic Nose with an animation showing how it works, B-Roll in the laboratory at JPL where it was developed and an interview with Dr. Amy

Ryan discussing its current status and future potential.
Audience: News Resource
Client: Nancy Lovato
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/22/2000 - 0:06:35 Producer: Semerano

AVC-2000-092-1/1
VTV-869

Europa as a Habitat for Life
An Earth and Space Science Colloquium
A talk by Dr. Chris Chyba of the SETI Institute on the possibilities for life on Europa and the best ways and places to find it. Introduction by Dr. Mark Allen.
Audience: Gen. Site: von Kármán
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/22/2000 - 1:28:00 Producer: Borst

AVC-2000-096-1/1

Latest Io Images from the Galileo spacecraft - Video File
Animated images of Tvashertar Catena on Io
Animated images of Zal Patera on Io
Image of Layered terrain on Io
Audience: NASA Resource
Client: NASA Television
Master: BCAMsp Submaster: DVCPro50
Audio 1: Silent 2: Silent
05/25/2000 - 0:02:10 Producer: Savona

AVC-2000-099-1/1

Development of Laser & Microwave Powered Solar Sails - Video File
Animation of a solar sail being propelled through space by an energy beam followed by tests on the material which would make up such a sail and interviews with Henry Harris, Dr. James Benford and Dr. Leik Myrabo.
Audience: News Resource
Client: Lovato
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/27/2000 - 0:09:18 Producer: Semerano

AVC-2000-100-1/1

JPL's Open House 2000 - LIVE ON THE WEB
Host Jane Platt and co-host Richard Shope talk to members of the five theme teams: Solar System, Mars, Earth, Universe and Technology. Broadcast live on the web, the show features current and future JPL programs and a brief sampling of this year's open house activities.
Audience: Gen. Site: Mall

Client: Blaine Baggett
Master: sVHS
Audio 1: Mono mix 2: Mono mix
06/03/2000 - 1:00:00 Producer: Savona

AVC-2000-103-1/1 **Sensor Webs - Video File**
Animation of one possible scenario for deployment of a sensor web on a distant moon. B-Roll of sensor pods containing sensing instruments that send data to a field computer. The pods are distributed around various environments within the Huntington Garden. Interview with Dr. Delin.
Audience: News Resource
Client: NASA Television
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/07/2000 - 0:07:35 Producer: Semerano

AVC-2000-104-1/1 **Digital Personnel Press Handout**
An example of a digital human-image animation driven by phonemes, the smallest unit of human speech. B-Roll of sample created on a computer. Interview with John Wright, Principal Investigator for Digital Personnel, Jet Propulsion Laboratory, NASA.
Audience: News Resource
Client: Nancy Lavato
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/09/2000 - 0:06:55 Producer: Semerano

AVC-2000-105-1/1 **Digital Personnel News Conference**
Voice driven human digital animation. Speakers included John Wright, Jerry Ruddle and James Rooney.
Audience: News Site: von Kármán Aud
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/13/2000 - 0:39:00 Producer: Greg Parrillo

AVC-2000-106-1/1 **Possible Evidence of Recent Water Flows on Mars - Video File**
Recent MGS Mars Orbiter Camera pictures showing possible evidence of recent water flows on the Martian surface. With B-Roll of Malin Space Science Systems and interviews with Dr. Mike Malin and Dr. Ken Edgett.
Audience: News Resource
Client: Mary Hardin

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/21/2000 - 0:14:57 Producer: Semerano

AVC-2000-108-1/2 **Water on Mars Space Science Update**
Evidence of Water on Mars was discovered by the Mars Global Surveyor Spacecraft.
INTRO:
Don Savage, NASA HQ., Public Affairs Office
PARTICIPANTS:
Dr. Edward J. Weiler, NASA's Associate Administrator for Space Science.
Dr. Mike Malin: President and Chief Scientist of Malin Space Science Systems of San Diego, CA
Dr. Ken Edgett: Staff Scientist at Malin Space Science Systems of San Diego, CA
Dr. Michael Carr: Geologist with the U.S. Geological Survey in Menlo Park, CA.
Dr. Bruce Jakosky: Professor of Geology at the Laboratory for Atmospheric and Space Physics at the University of Colorado at Boulder.
Dr. Jim Garvin: Mars Exploration Program Scientist at NASA HQ.
Audience: News Resource Site: NASA HQ.
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/22/2000 - 1:30:00 Producer: NASA HQ.

AVC-2000-108-2/2 **Water on Mars Space Science Update**
Part 2 of 2
Audience: News Resource Site: NASA HQ.
Client: MRO/Frank O'Donnell, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/22/2000 - 0:18:00 Producer: NASA HQ.

AVC-2000-111-1/1 **Telescopes in Space (TIE) 2000 Internet**
Jerry Musillo describes the internet access to the 14 inch telescope on Mt. Wilson that can be used by high school students.
Audience: Gen. Edu. Site: Mt. Wilson, CA
Client: Gil Clark
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/26/2000 - 0:02:25 Producer: Savona

AVC-2000-114-1/1 **NASA's Mars Program after the Young Report Part II**
VTV 871 Daniel Goldin and Dr. Ed Stone testify before the House Committee on Science on actions taken after the Young report by JPL and NASA regarding the Mars Program. Part I recorded April 12, 2000. AVC for Part I is AVC-2000-070
Audience: News Resource Site: Congress
Client: F. O'Donnell
Master: sVHS
Audio 1: Mono mix 2: Mono mix
06/20/2000 - 2:00:00

AVC-2000-115-1/1 **Lightweight and Inflatable Spacecraft - Video File**
Animation of Dart or Dual Reflecting Telescope and ARISE or Advanced Radio Interferometry. Artur Chmielewski and Dr. Mark Dragovan are interviewed about the current status and advantages of spacecraft which are inflatable and use extremely lightweight materials.
Audience: News Resource Site: JPL
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/02/2000 - 0:12:02 Producer: Semerano

AVC-2000-118-1/1 **2MASS All-Sky Survey - Video File**
Infrared pictures of various celestial objects imaged by twin telescopes, located in Arizona and Chile, which comprise the 2MASS All-Sky survey. Interview with Dr. Michael Skrutskie, Principal Investigator for the 2MASS survey.
Audience: News Resource
Client: Jane Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/11/2000 - 0:05:05 Producer: Semerano

AVC-2000-119-1/1 **Comet LINEAR - Video File**
Comet LINEAR animation.
Stardust Animation
Deep Impact Animation
Still image of Comet LINEAR taken by students
Interview with Dr. Donald Yeomans, Planetary Research Scientist
Animation of
Audience: News Resource
Client: NASA TV

Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/14/2000 - 0:07:21 Producer: Savona

AVC-2000-121-1/1 **Deep Space 1 Rescue - Video File**
Deep Space animation approaching a comet
Comet Borrelly image
Dr. Marc Rayman interview
Audience: News Resource
Client: NASA Television
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/21/2000 - 0:05:53 Producer: Savona

AVC-2000-122-1/1 **Mars 2001 & 2003 Animations**
Mars 2003 Orbiter animation
Mars 2003 Rover animation
Mars 2001 Orbiter animation
Audience: News Resource
Client:
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/20/2000 - 0:04:00 Producer: Beck

AVC-2000-123-1/1 **Minority Initiatives Intern Program - Video File**
A distinguished group of undergraduate and graduate students interested in careers in engineering, science and math gain hands-on experience, as part of the Minority Initiatives Intern Program at NASA's Jet Propulsion Laboratory.
Audience: News Resource
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/26/2000 - 0:06:22 Producer: Semerano/Chavez

AVC-2000-125-1/1 **Pacific Decadal Oscillation (PDO) - Video File**
PDO computer model taken between 1970 and 1975; JPL research scientist, Yi Chao describes the importance of the PDO effect on our understanding of the Earth's climate.
Audience: News Resource
Client: NASA Television
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/28/2000 - 0:02:36 Producer: Savona

AVC-2000-126-1/1 **Best of JPL Technology - Video Files**

Excerpts from Technology Video Files describing some of the most recent advances in technology developed at the Jet Propulsion Laboratory.
Audience: News Resource
Client: Carolina Martinez
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/05/2000 - 0:11:30 Producer: Semerano

AVC-2000-127-1/1 **EOS Volcanology Team Science Investigations**
Describes the mission of NASA's Earth Observing System (EOS) Volcanology Team through the presentation of data products created by the Team Members and Collaborators. Each data product represents the application of remote sensing to the study of volcanic phenomena. The presentations of data products are preceded by computer graphics that illustrate the volcanic phenomena, together with the resulting remote sensing signals.
Audience: Tech. Resource Site: JPL DIAL
Client:
Master: BCAMsp
Audio 1: Silent 2: Silent
Produced by the JPL Digital Image Animation Lab.
08/04/2000 - 0:18:00 Producer: Vince Realmuto

AVC-2000-128-1/1 **JPL Technology Roundtable**
Applied Science: How Southern California Turns Research and Development into Products and Services. Panelists included: Michael J. Sander, Lawrence Gilbert, Rohit Kenneth Shukla, Jon Faiz Kayyem, Dr. Sabrina Kemeny, Julie Holland and Alfred E. Mann.
Audience: JPL News Site: JPL
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/07/2000 - 1:04:00 Producer: Greg Parrillo

AVC-2000-131-1/1 **Mars 2003 Mission Selection, Press Conference**
VTV-875 Dr. Ed Weiler, Assoc. Admin. for Space Science; Scott Hubbard, Mars Program Director, NASA HQ.; Dr. Jim Garvin, Mars Program Scientist, NASA HQ.; Prof. Steven Squyres, Principal Investigator, Cornell University.
NASA TV Downlink from HQ
Audience: News Resource Site: NASA HQ
Client:
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
08/10/2000 - 1:08:00 Producer: NASA HQ

AVC-2000-135-1/1 **Sea Ice Thickness Derived from High Resolution Radar Imagery Video File**

Radar images of sea ice formation as observed by JPL scientists over a six month period in the Arctic Ocean.
B-roll of Arctic ice sheets.
Dr. Ronald Kwok explains why new and unprecedented measurements of Arctic sea ice tell us a lot about global climate change.
Audience: News Resource
Client: NASA Television
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/17/2000 - 0:04:44 Producer: Savona

AVC-2000-138-1/1 **Ulysses Studies the Sun's South Polar Cap - Video File**

Animation of the Ulysses spacecraft; Animation of path or trajectory; Animation of the Solar Wind
Footage of Yoko images of the Sun; Footage of solar flares and sunspot activity; Animation of Cosmic Rays and Magnetic Field
Interview with Ed Massey
Audience: NASA News Resource
Client: NASA Television
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/05/2000 - 0:07:33 Producer: Savona

AVC-2000-139-1/1 **Health Benefits from Space - Video File**

Dr. James Lambert describes medical studies performed at JPL, including the development of an optical spinal tap, a device to optically measure sugar levels in the blood of diabetic patients and the non-invasive imaging of the eye for diagnostic purposes.
Audience: News Resource Site: JPL
Client: Birchak-Birkman
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/09/2000 - 0:06:50 Producer: Semerano

AVC-2000-140-1/1 **SeaWinds: "Hurricanes Can't Hide" - Video File**
Spacecraft Animation - 0:25; Rotating Earth Animation - 0:14; QuikSCAT observes eight hurricanes - 1:53; Hurricane b-roll - 2:28; Interview-Moshe Pniel - 1:18; Interview-Dr.Timothy Liu - 0:52
Interview-Cesar Sepulveda (In Spanish) - 1:09
Audience: News Resource
Client: NASA TV/Sullivant
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/11/2000 - 0:12:13 Producer: Savona

AVC-2000-141-1/1 **Mars and Earth Dust Storm - Video File**
This video file shows a comparison between a Martian dust storm image taken near the south pole and an Earth dust storm image taken off the northwest coast of Africa.
Audience: News Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/11/2000 - 0:01:40 Producer: Beck

AVC-2000-146-1/1 **Inflatable Antenna - Video File**
Engineers and college students at NASA's Jet Propulsion Laboratory are testing and demonstrating an inflatable antenna design for reducing the weight of future spacecraft. Two of the interviews are in Spanish.
Audience: Gen. Edu. JPL NASA News Resource Site: JPL
Client: Carollina Martinez
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/15/2000 - 0:11:03 Producer: Semerano

AVC-2000-147-1/1 **Volunteer Professionals for Medical Advancement - Video File**
Retired engineers and scientists from NASA's Jet Propulsion Laboratory, who helped make history in the dawn of the space age, are now applying their skills to the world of medicine. They are helping doctors and patients with the expertise that forged the world of space technology.
Audience: News Resource
Client: Birchak-Birkman
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/22/2000 - 0:14:00 Producer: Semerano

AVC-2000-148-1/1 **Seeing New York from Space in 3-D - Video File**
This narrated simulated flight from Syracuse, New York, south to Manhattan was created with preliminary data from NASA's Shuttle Radar Topography Mission (SRTM). Shuttle animation and b-roll is also included.
Interview with Dr. Michael Kobrick
Audience: News Resource
Client: NASA TV/Sullivant
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/25/2000 - 0:13:40 Producer: Savona

AVC-2000-149-1/1 **2001 Mars Odyssey - Video File**
2001 Mars Odyssey orbiting spacecraft is designed to find out what Mars is made of, detect water and shallow buried ice and study the radiation environment. Included in the video file is an animation of the spacecraft orbiting Mars and an interview with George Pace.
Audience: News Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/27/2000 - 0:03:20 Producer: Semerano

AVC-2000-151-1/1 **Mars Valleys - Video File**
Mars Global Surveyor (MGS) began its 4th year orbiting the red planet by taking this view of three major valley systems east of the Hellas plains.
Audience: News Resource
Client: Mary Hardin
Master: BCAMsp
Audio 1: Silent 2: Silent
09/29/2000 - 0:01:10 Producer: Semerano

AVC-2000-153-1/1 **Cassini and Galileo Joint Observation of Jupiter - Video File**
Two NASA spacecraft are teaming up to scrutinize Jupiter from October 2000 through March 2001. Included in this video are animations of the Cassini and Galileo spacecraft passing Jupiter, an animation depicting the magnetosphere around Jupiter and first image of Jupiter by Cassini.
Audience: News Resource Site: JPL
Client: Guy Webster
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/04/2000 - 0:10:27 Producer: Semerano

AVC-2000-156-1/1 **Solar System Explorers Wanted: Share Your Knowledge**
Highlights examples of Education and Public Outreach activities done by scientists who are involved in NASA Solar System Exploration and research. Featured are:
Claudia Alexander, JPL
Susan Keiffer, Keiffer Science Consultants
Steven Lee, Space Science Institute
Rosaly Lopes-Gautier, JPL
Ellis Miner, JPL
Kent Tobiska, Federal Data Corporation
Narrated by David Seidel, JPL
Audience: Edu. NASA
Client: Leslie Lowes
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/20/2000 - 0:10:24 Producer: Scott Goldrich

AVC-2000-157-1/1 **Three Cassini Images - Video File**
Three images taken from the Cassini spacecraft of Jupiter: The Great Red Spot in Cassini Picture of Jupiter, The Shadow of Your Moon and More than Meets the Eye
Audience: News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
10/20/2000 - 0:02:20 Producer: Savona

AVC-2000-158-1/1 **JPL's Participation in After-school Enrichment Programs - Video File**
NASA's Jet Propulsion Laboratory taking part in the "Lights On Afterschool" program at Logan Elementary School. JPL held interactive workshops for the children to engage them in the wonders of science and space exploration. L.A. Mayor Richard Riordan is interviewed.
Audience: News Resource
Client: Carolina Martinez, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/20/2000 - 0:07:04 Producer: Semerano

AVC-2000-159-1/1 **In-Situ Exploration of Mars: The FIDO Rover**
This program documents the FY00 activities associated with the FIDO Rover including the May 2000 rover field trial which took place at Black Rock Summit in Central Nevada. This covers the continued development of the FIDO Rover in support of NASA's Mars Exploration Technology Program.
Audience: Tech. NASA

Client: Eric Baumgartner
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
This is a Photo Lab Production
10/06/2000 - 0:06:37 Producer: Tom Wynne

AVC-2000-160-1/1
VTV-883

Mars Exploration Program Press Briefing from NASA-HQ
NASA outlines Mars Exploration Program for the next two decades in a briefing held at NASA-HQ. Participants: Dr. Ed Weiler, Associate Administrator, Space Science, NASA-HQ;
Scott Hubbard, Mars Program Director, NASA-HQ;
Dr. Jim Garvin, Mars Program Scientist NASA-HQ; Dr. Firouz Naderi, Mars Program Manager, JPL.
Audience: NASA News
Client: MRO
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/26/2000 - 1:22:30 Producer: NASA HQ

AVC-2000-163-1/1

SIRTF Spanish Language Website - Video File
NASA has unveiled it's first ever website in Spanish. The site features SIRTF, an orbiting observatory scheduled for launch in 2002. Marisa Eisenberg who created the website discusses in both English and Spanish why she created the site. SIRTF animation is also included.
Audience: News Resource
Client: Media Relations
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/02/2000 - 0:06:28 Producer: Platt/Beck

AVC-2000-164-1/1

NASA/University Cyberconference
Administrator Goldin announced a new research initiative between NASA and the University community. General Spence Armstrong kicked this effort off with a interactive cyberconference which included remarks from Goldin and presentations from five Enterprise Associate Administrators. Q & A follows.
Audience: Edu. NASA
Client: NASA HQ
Master: VHS
Audio 1: Mono mix 2: Mono mix
10/19/1900 - 3:00:00 Producer: NASA TV

AVC-2000-165-1/1

Spider Web Bolometer - Video File

Inspired by the intricacy and efficiency of spider webs, researchers at NASA's JPL have designed a web-shaped bolometer, a highly-sensitive thermometer to help unveil the true geometry of the universe. Data returned shows that the universe is flat and ever expanding.
Audience: News Resource
Client: Gia Scafidi
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/08/2000 - 0:07:53 Producer: Semerano

AVC-2000-167-1/1 **Space Agency's Images Are Down to Earth - Video File**
ASTER images can be used to monitor environmental change, acquire basic information about the composition and distribution of materials on Earth's surface, help identify new mineral and petroleum deposits in poorly explored regions, monitor land use, and observe volcanoes. Animation of the instrument, three images, flyover animations and interview in English and Spanish.
Audience: News Resource
Client: NASA TV/Sullivant
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/14/2000 - 0:15:03 Producer: Savona

AVC-2000-168-1/1 **Telescopes In Education/ Delta Rehab Center - Video File**
B-roll of the patients of the Delta Rehab Center for the severely head-injured in Snohomish Washington. Interviews with Paul Walsh and Gil Clark follow, as well as B-roll of the Mt. Wilson Telescopes and celestial images.
Audience: Gen. Edu. JPL NASA News Resource
Client: NASA TV/Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/14/2000 - 0:11:42 Producer: Beck

AVC-2000-169-1/1 **Robotic Space Exploration in 3 Eras**
VTV-886 von Kármán Lecture Series -
JPL Director, Dr. Edward Stone discusses the results and goals of robotic space exploration. Since 1958, there have been three eras of exploration at JPL. This lecture characterizes the excitement and considerations of each era.
Audience: Gen. Site: von Kármán Aud.
Client: Kim Johanson, Org. 1840
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix

11/16/2000 - 0:59:51 Producer: Savona

AVC-2000-170-1/1 **Future Mars Missions Animation Compilation**
Compilation of the latest Mars spacecraft animations. 1. Smart Lander -0:03:00
2. Mars 2003 Rover - 0:02:00
3. Mars Surveyor Orbiter - 0:00:23
4. Mars Sample Return (MSR) - 0:01:15
5. Mars 2001 Space Odyssey - 0:00:20
Audience: News Resource
Client: Mars Project Off.
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/17/2000 - 0:09:00 Producer: Beck

AVC-2000-172-1/1 **Mars Hale Crater - Video File**
Two images of the Hale Crater on Mars taken by the Mars Global Surveyor spacecraft. The first image is a wide-angle view and the second is a high-resolution view showing sand dunes and small gullies possibly carved by water.
Audience: News Resource
Client: NASA HQ
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/18/2000 - 0:02:00 Producer: Beck

AVC-2000-174-1/1 **Kids, Radio Telescopes and Jupiter - Video File**
Students at 25 middle schools and high schools in 13 states are using their classroom computers to remotely control huge radio telescope dishes in the California desert this fall and winter. Their work will aid studies of Jupiter being made by NASA's Cassini spacecraft as it flies past.
Audience: News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/22/2000 - 0:13:42 Producer: Savona

AVC-2000-175-1/1 **Hopping Robot - Video File**
Under development at NASA's Jet Propulsion Laboratory, a small hopping robot with frog-like abilities that moves by a combination of rolls and hops may someday hop a ride on an asteroid and leap its way to another planet.
Audience: News Resource
Client: NASA TV/Martinez, Org. 1810
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
11/22/2000 - 0:06:42 Producer: Semerano

AVC-2000-176-1/1 **Frost Covered Craters on Mars - Video File**
The Mars Global Surveyor wide-angle camera system monitored changes in Martian weather and the seasonal coming and going of polar frost in four Martian Craters.
Audience: News Resource
Client: NASA TV/Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/23/2000 - 0:03:04 Producer: Semerano

AVC-2000-177-1/1 **Native American Tribal Elders Tour JPL - Video File**
"From the Sun to the Star Nations", is an initiative to bring together Native Americans from communities, schools and tribal colleges. As part of that effort a tour was conducted for a group of Native Americans at NASA's Jet Propulsion Laboratory.
Audience: News Resource
Client: NASA TV/Martinez, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/23/2000 - 0:03:41 Producer: Semerano

AVC-2000-180-1/1 **Robotic Stepper Device - Video File**
A device that could help therapists in rehabilitating patients with spinal cord injuries.
Audience: News Resource
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/03/2000 - 0:08:30 Producer: Semerano

AVC-2000-181-1/1 **Mars Press Conference - Layered Terrain shows Evidence of Water**
VTV-889
Dr. Michael Malin and Dr. Ken Edgett from NASA's Mars Global Surveyor present what they describe as their most significant discovery yet: Layered terrain images which show substantial evidence for ancient beds of water. Q & A follow presentation along with 20 minutes of images & animation.
Audience: News Resource
Client: Media Relations
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/2000 - 1:15:00 Producer: Beck

AVC-2000-182-1/1 **Stills and Animation of Mars Layered Terrain**
20 minutes of images & animation from Mars Press conference on Dec.4, 2000.
Audience: News Resource
Client: Media Relations
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/04/2000 - 0:20:00 Producer: Beck

AVC-2000-186-1/1 **Close Encounter with the Biggest Moon - Video File**
NASA's Galileo spacecraft will pass close to Jupiter's largest moon, Ganymede, on December 28, 2000 while Ganymede is in Jupiter's shadow. One set of studies will examine glows in Ganymede's thin atmosphere while it is in eclipse.
Audience: News Resource
Client: NASA TV/Webster, Org. 181
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/18/2000 - 0:08:09 Producer: Savona

AVC-2000-187-1/1 **ASTER Animation of Mt. St. Helens Volcano - Video File**
This animation created with ASTER data, shows Mt. St. Helens with the scars from its 1980 eruption.
Audience: News
Client: NASA TV/Sullivant
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/21/2000 - 0:00:20 Producer: Savona

AVC-2000-188-1/1 **Jupiter's Clouds Imaged by Cassini - Video File**
Fourteen Frame movie repeated four times of Jupiter's clouds taken by the Cassini Spacecraft as it passes Jupiter on its way to Saturn.
Audience: News Resource
Client: NASA TV/Webster
Master: BCAMsp
Audio 1: Silent 2: Silent
12/21/2000 - 0:01:00 Producer: Semerano

AVC-2000-189-1/1 **"Origins" Compilation**
This tape contains the following JPL productions:
AVC-1996-075 Infrared Interferometric Search for Neighboring Planetary Systems
AVC-1997-109 Origins: Seeking Answers to Age-Old Questions
AVC-1998-060 Space Interferometer Mission (SIM)

AVC-1998-109 DS3-Separated Spacecraft Interferometer
AVC-1998-176 SIM - Space Interferometry Mission
AVC-2000-060 Terrestrial Planet Finder (TPF) Video File
SRC-000008 Origins Computer Animations Compilation
SRC-000076 Space Interferometry Mission (SIM) & Origins Animations
SRC-000104 Solar System Formation Animation
SRC-000205 SIRTF Animations
SRC-000224 DART Animation
Audience: Resource
Client: Jane Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/21/2000 - 0:51:38 Producer: Semerano

AVC-2000-190-1/1 **Shuttle Radar Topography Mission Flyover of Rose Parade Route**
Simulated flight over the 2001 Tournament of Roses Parade Route to the San Gabriel Mountains and Rose Bowl using SRTM C-band Topography, a Thematic Mapper image and Aerial Photography.
Audience: Gen. Resource Site: DIAL Lab
Client: Mary Beth Murrill
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
12/29/2000 - 0:02:40 Producer: Dial Lab/Borst

AVC-2000-191-1/1 **Cassini Press Conference "NASA Doubleteams Jupiter"**
Galileo and Cassini Spacecraft make dual observations of Jupiter. Contains animations of Jupiter's clouds imaged by the Cassini spacecraft.
Presenters:
Dr. Jay Bergstralh, NASA.
Dr. Stamatios (Tom) Krimigis, Johns Hopkins.
University's Applied Physics Laboratory.
Dr. William Kurth, University of Iowa.
Dr. Carolyn Porco, University of Arizona.
Dr. Andrew Ingersoll, California Institute of Technology.
Audience: News Site: von Kármán Aud
Client: MRO - Guy Webster, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/30/2000 - 0:53:00 Producer: Parrillo/Semerano

AVC-2001-001-1/1 **Stardust Earth Flyby - Video File**
The STARDUST mission receives an important earth gravity assist on January 15, 2001. The spacecraft will capture and

return to Earth sample particles from comet P-Wild 2 and dust particles flowing through our solar system, returning both samples to Earth in 2006.
Audience: Gen. Edu. Tech. JPL NASA News
Client: NASA TV/Heil
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/09/2001 - 0:09:01 Producer: Savona

AVC-2001-008-1/1 **Jupiter's Doughnut - Video File**
A doughnut-shaped ring of charged particles encircling Jupiter, called the Io Torus, is seen better than ever before in new images taken in ultraviolet wavelengths by NASA's Cassini spacecraft. Scientists are studying how volcanic material comes to the ring from the moon Io.
Audience: News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/23/2001 - 0:06:49 Producer: Savona

AVC-2001-009-1/1 **von Kármán Lecture Series: "Adventures in Africa"**
VTV-891 Mark Helmlinger discusses his participation in MISR's SAFARI2000 international field campaign which involved seven weeks of fieldwork in southern Africa. He uses demonstrations and a movie of his fieldwork to explain ground-based measurements as part of remote sensing of Earth.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: PSO/Kim Johansen
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/25/2001 - 1:25:27 Producer: Savona

AVC-2001-010-1/1 **TOPEX/Poseidon: Taking the Ocean's Pulse - Video File**
TOPEX/Poseidon enables early warnings of El Nino and La Nina weather patterns that have caused devastating floods in some areas and drier than normal periods in other places. The mission is a U.S.-French partnership to monitor global ocean circulation from space.
Audience: News Resource
Client: NASA TV/Sullivant
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/28/2001 - 0:14:29 Producer: Savona

AVC-2001-011-1/1 **Announcement of JPL's New Lab Director**
VTV-893 WELCOME: Dr. Edward Stone-Introduces Dr. David Baltimore, Caltech President
Dr. David Baltimore-Announces the new JPL Lab Director as Dr. Charles Elachi
Daniel S. Goldin, NASA Administrator
Dr. Charles Elachi- Thanks and his Vision for JPL
Audience: Gen. Resource Site: JPL-von Kármán
Client: Blaine Baggett, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/2001 - 0:35:00 Producer: Parrillo

AVC-2001-012-1/3 **Mars Global Surveyor End of Primary Mission Highlights**
INTROS: Arden Albee, Master of Ceremonies, MGS Proj. Scientist
Jim Garvin, NASA Mars Program
SPEAKERS:
Michael Malin, Principal Investigator, Mars Orbiter Camera
Andy Ingersoll, Co-Investigator, Interdisciplinary Scientist - Mars Orbiter Camera - Weather on Mars
Philip Christensen, Principal Investigator, Thermal Emission Spectrometer
Len Tyler, Team Leader, Radio Science
Mario Acuna, Principal Investigator, Magnetometer & Electron Reflectometer
David Smith, Principal Investigator, Mars Orbiter Laser Altimeter
EVENT:
Final Orbit-8505 (End of Mars Global Surveyor Primary Mission)
Audience: JPL News Resource Site: JPL-von Kármán
Client: Christine Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/2001 - 1:31:00 Producer: Beck/Parrillo

AVC-2001-012-2/3 **Mars Global Surveyor End of Primary Mission Highlights**
Part 2 of 3
Audience: JPL News Resource Site: JPL-von Kármán
Client: Christine Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/2001 - 1:31:00 Producer: Beck/Parrillo

AVC-2001-012-3/3 **Mars Global Surveyor End of Primary Mission Highlights**

Part 3 of 3
Audience: JPL News Resource Site: JPL-von Kármán
Client: Christine Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/2001 - 0:52:00 Producer: Beck/Parrillo

AVC-2001-013-1/1 **NEAR End of Mission Press Briefing**
End of mission science findings from the NEAR (Near Earth Asteroid Rendezvous) from NASA HQ.
Panelists:
Dr. Edward Weiler, NASA Associate Administrator for Space Science;
Dr. Andrew Chang, Johns Hopkins University, Applied Physics Laboratory (JHU/APL);
Dr. Mark Robinson, Imaging Team, Northwestern U. Dr. Jessica Sunshine, Science Application International Corporation (SAIC), Chantilly VA;
Dr. Robert Farquhar, NEAR Mission Director, JHU/APL.
Q. & A. follows with B-Roll of graphics.
Audience: News Resource Site: NASA HQ
Client: Martha Heil, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/2001 - 1:01:00 Producer: NASA HQ

AVC-2001-014-1/1 **Old Texts, New Tech - Video File**
The Huntington Library's exhibit "Star Struck: 1,000 years of Art and Science of Astronomy". NASA's Jet Propulsion Laboratory has contributed both to the exhibit and to a new era in the understanding of space and astronomy, and to the images that help explain the unknown.
Audience: News Resource Site: Huntington Lib.
Client: NASA TV/Heil
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/05/2001 - 0:09:40 Producer: Parrillo/Savona

AVC-2001-015-1/1 **Catching Ice in Motion - Video File**
The Antarctic Mapping Mission provides the first overview of how the Antarctic ice sheet moves and changes. This joint NASA and Canadian Space Agency mission will help answer some fundamental questions about this mysterious place, including whether the ice sheet is advancing or retreating.
Audience: News Resource
Client: NASA TV/Sullivant

Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/11/2001 - 0:18:52 Producer: Savona

AVC-2001-016-1/2 **NEAR Descent and Landing on Eros**
Broadcast live from The John Hopkins University Applied Physics Laboratory (APL) in Laurel, MD.
Mission controllers initiate a series of engine burns over a 4-hour period designed to bring NASA's NEAR Shoemaker spacecraft down to the surface of asteroid Eros.
Audience: News Resource Site: APL
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/12/1901 - 1:30:00 Producer: JHU/APL

AVC-2001-016-2/2 **NEAR Descent and Landing on Eros**
Part 2 of 2
Audience: News Resource Site: APL
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/12/1901 - 0:24:00 Producer: JHU/APL

AVC-2001-017-1/1 **MGS Final Orbit Intro**
Tribute video for the MGS team. Includes launch, MOI animation, various data/images of Mars.
Audience: Gen.
Client: C. Johnson, Org. MGS
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/14/2001 - 0:03:00 Producer: Beck

AVC-2001-018-1/1 **NEAR Mission Post-Landing Press Conference**
Near Earth Asteroid Rendezvous (NEAR) mission landed on asteroid 433 Eros, February 12, 2001.
NASA's NEAR Shoemaker is managed by Johns Hopkins University Applied Physics Laboratory (APL) in Laurel, MD. The Jet Propulsion Laboratory (JPL) managed the Navigation Team and the Deep Space Network (DSN).
Press conference participants:
Dee Reese, APL Public Affairs
Dr. Jay Bergstralh, NASA HQ, Discovery Scientist
Dr. Bob Farquhar, JHU/APL, Mission Director
Dr. Bobby Williams, JPL, Navigation Team
Dr. Veveraka, NEAR imaging Team

Tom Couhglin, Project Manager
Audience: News Resource Site: JHU/APL
Client: Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
Includes Video File and Post Roll Graphics
02/14/2001 - 1:30:00 Producer: JHU/APL

AVC-2001-020-1/1 **Space Science Update: Cosmic Crash - The Big Kill**
NASA's Astrobiology Panel discuss Cosmic Caused extinctions thru history.
Panelists:
Dr. Luann Becker University of Washington;
Dr. Robert Poreda University of Rochester;
Dr. Michael Meyer, NASA HQ;
Dr. Richard Bambach, Virginia Tech.;
Dr. Christopher Chyb, SETI Institute & Stanford University.
Q & A follow.
Audience: News Resource Site: NASA HQ
Client: Martha Heil, Org. 181
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/22/2001 - 0:55:00 Producer: NASA HQ

AVC-2001-021-1/1 **2MASS Images - Video File**
The Two Micron All-Sky Survey (2MASS) has finished surveying the entire night time sky in infrared wavelengths, although data processing will continue for two more years. Included in this video file are images of the Omega Nebula and the Keyhole Nebula.
Audience: News Resource Site: JPL
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/15/2000 - 0:02:54 Producer: Semerano

AVC-2001-023-1/1 **von Kármán Lecture Series: "Fire & Ice"**
Frank Carsey - JPL Research Scientist, discusses technologies capable of exploring extreme liquid and ice environments such as Hawaii's volcanic vents and the sub-glacial Lake Vostok in Antarctica. Q & A followed the presentation.
Audience: Gen. Site: von Kármán aud
Client: Kim Johansen
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

02/22/2001 - 1:06:50 Producer: Greg Parrillo

AVC-2001-024-1/1 **Active Volcanoes on Jupiter's Moon, Io - Video File**
A new flyover movie clip created from images taken by NASA's Galileo spacecraft shows one area on Io where fresh lava was flowing in 1999 and 2000. Dr. Torrence Johnson is interviewed.
Audience: News Resource
Client: NASA TV/Webster
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/23/2001 - 0:08:07 Producer: Semerano/Savona

AVC-2001-028-1/1 **Ground Based Interferometry at Keck - Video File**
Two 10-meter telescopes have been joined at the Keck Observatory to form the world's most powerful optical telescope system. An animation shows the concept of interferometry followed by b-roll of the twin Keck telescopes located at Mauna Kea, Hawaii.
Audience: News Resource Site: JPL
Client: Jane Platt
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/01/2001 - 0:02:02 Producer: Semerano/Kline

AVC-2001-029-1/1 **Auroras on Jupiter - Video File**
Dual observations of Jupiter's auroras were made by the Hubble Space Telescope and the Cassini Spacecraft. One of the results of the combined data is a 40 frame movie which shows a glowing aurora in Jupiter's northern hemisphere. Dr. Hunter Waite comments on the phenomena.
Audience: News Resource
Client: Guy Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/04/2000 - 0:06:44 Producer: Semerano

AVC-2001-030-1/1 **Balloon Technology & the Exploration of Planets & Moons - Video File**
Several animated concepts depicting possible future missions to other planets and moons utilizing the latest in balloon technology are featured. Jack Jones comments on what advantages such a technology might offer in the exploration of distant bodies in the solar system.
Audience: News Resource
Client: Carolina Martinez
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
03/07/2001 - 0:10:54 Producer: Semerano

AVC-2001-032-1/1 **The Galileo Mission Gets an Extension - Video File**
NASA's Galileo spacecraft, launched in 1989, has been orbiting Jupiter since 1995. In 2001, it will approach the large moons Callisto once and Io twice. In 2002, it will approach Io and the small moon Amalthea. In 2003, it will make its mission-ending plunge into Jupiter.
Audience: News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/14/2001 - 0:07:45 Producer: Savona

AVC-2001-033-1/1

75th Anniversary of the First Liquid Propelled Rocket - Video File
Seventy-five years ago, on March 16, 1926, Dr. Robert H. Goddard successfully launched the first liquid fueled rocket. Ridiculed in 1920 by the New York Times for his "impossible" vision of launching a rocket that could travel through the vacuum of space, Dr. Robert Goddard would be hailed some years later as "the father of the space age." Includes historic images of Dr. Goddard and his early experiments. Aerial views of GSFC. Other historical scenes: Sputnik 1, Explorer 1, Project Mercury/Freedom 7, Apollo 11, Pioneer 10, Space Shuttle STS-1, Mars Pathfinder.
Audience: News Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/15/2001 - 0:27:00 Producer: NASA GSFC

AVC-2001-035-1/1 **High School Robotics Competition - Video File**
High school students build their own robots and then compete as part of a NASA sponsored program.
Featured are students from three Los Angeles-area schools working with teachers and volunteer engineers from NASA's Jet Propulsion Laboratory.
Audience: Gen. Edu. JPL NASA News Resource
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/19/2001 - 0:23:05 Producer: Semerano

AVC-2001-036-1/1 **2001 Mars Odyssey Press Conference**

Held at NASA Headquarters.
Dr. Ed Weiler, Assoc. Admin. Space Science/NASA HQ
Scott Hubbard, Mars Prog./NASA HQ
George Pace, Project Manager/JPL
Dr. Steve Saunders, Project Scientist/JPL
Dr. Jim Garvin, Mars Prog. Scientist/NASA HQ
Audience: NASA News Site: NASA HQ
Client: Mary Hardin, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/19/2001 - 1:24:00 Producer: NASA HQ (Hanchett)

AVC-2001-038-1/1 **History & Future of Mars Exploration, Prior to Launch of '01 Odyssey**
A compilation of animations and stills tracing the history of Mars in the public imagination, from early spacecraft and from modern-day spacecraft.
NOTE: All MOS, except segment on the launch of the Mars Global Surveyor.
Audience: Gen. Edu. JPL NASA Resource
Client: Viotti
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/21/2001 - 0:23:18 Producer: Kline

AVC-2001-039-1/1 **von Kármán Lecture Series: "Galileo Millennium Mission"**
VTV-894 Dr. Duane Bindschadler explains Galileo's unique observations of Jupiter, its moons, and magnetosphere. His presentation highlights the results from this and other Galileo Millennium Mission observations.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: PSO/Johansen
Master: BCAMsp Submaster: VHS
Audio 1: Mono mix 2: Mono mix
03/22/2001 - 1:31:51 Producer: Savona

AVC-2001-040-1/1 **Laboratory Gas Cloud Mimics Pulsars - Video File**
Ultra-Cold Sodium Gas Cloud in an MIT lab developed quantum whirlpools similar to those that appear to cause starquakes on pulsars.
Audience: Gen. Edu. JPL NASA News Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/26/1901 - 0:05:39 Producer: Semerano

AVC-2001-042-1/1 **JPL Mars Mission Compilation**

Animations of present, past & future missions: 2001 animation; Mariner images; Viking animation, stills, arm; Pathfinder animation, pan to rover, rover in action; Mars Global Surveyor (MGS) animation, 3D animation, resolution & water demo; Mars Exploration rovers animation; Mars Reconnaissance Orbiter animation; Smart Lander animation.
Audience: News Resource
Client: Hardin
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/27/2001 - 0:12:44 Producer: Kline

AVC-2001-044-1/1
VTV-897

2001 Mars Odyssey - Pre-Launch Video
This video takes us behind the scenes with the team members of NASA's latest Mars mission: the 2001 Mars Odyssey. This spacecraft will tell us what chemical elements and minerals make up the Martian surface, determine if buried ice exists and monitor the radiation environment.
Audience: Gen. Edu.
Client: Mars Program Office
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/30/2001 - 0:15:00 Producer: Christine Johnson

AVC-2001-045-1/1
VTV - 895

CMA - "Attracting Talent in a Tight Labor Market"
Dr. David Lewin examines sources of potential job applicants as well as how new compensation and non-monetary rewards can attract and retain high-quality people. He also introduces the idea of "job sculpting" as an approach to retain employees.
Audience: JPL Site: von Kármán aud
Client: Michael Eastwood
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/29/2001 - 1:02:15 Producer: Parrillo

AVC-2001-047-1/1

2001 Mars Odyssey Pre-launch Video File
Animations:
1. 2001 Mars Odyssey spacecraft in orbit over Mars;
2. 3D views of Mars' surface, including gullies & hypothetical water-filled crater on ancient Mars. Graphic: Comparison of sizes of Mars and Earth. Video: Assembly of the spacecraft at Lockheed Martin and at KSC.
Audience: JPL NASA News Resource
Client: Hardin
Master: BCAMsp Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
03/20/2001 - 0:09:23 Producer: Kline

AVC-2001-048-1/1 **2001 Mars Odyssey assembly and testing compilation**
This sequence chronicles assembly and testing of the 2001 Mars Odyssey spacecraft, both in Denver at Lockheed Martin and at the Kennedy Space Center.
Audience: JPL News Resource
Client: Hardin
Master: BCAMsp Submaster: BCAMsp
Audio 1: MOS 2: MOS
04/02/2001 - 0:05:00 Producer: Kline

AVC-2001-049-1/1 **Mars Odyssey L-1 Briefing**
Status of Launch preparations one day before launch of Mars Odyssey spacecraft from KSC. panelists; Chuck Dovale NASA Launch Man. KSC; Joy Bryant Delta II Mission Dir. Boeing; George Pace Mars Odyssey Proj. Man. JPL; Bob Berry Mars Odyssey Prog. Man. LMSS; Joel Tumbiolo Launch Weather Officer. Q & A follow.
Audience: Gen. News Resource Site: KSC
Client: Odyssey/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/06/2001 - 0:43:00 Producer: KSC

AVC-2001-050-1/1 **Mars 2001 Odyssey Science Press Conference**
Pre Launch Science overview of upcoming Mars 2001 Odyssey Mission. Panelists; Ed Weiler Assoc. Admin. Space Sciences NASA-HQ; Scott Hubbard Mars Prog. Dir. NASA-HQ; Dr. Firouz Naderi Mars Prog Man. JPL; Dr. Jim Garvin Mars Prog. Scientist NASA-HQ. Q & A follows.
Audience: Gen. News Resource Site: KSC
Client: Odyssey/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/06/2001 - 1:02:00 Producer: KSC (Borst)

AVC-2001-051-1/1 **Mars Odyssey Launch - Shortened Version**
VTV-898 This is a shortened version of the Mars Odyssey Launch on April 7th, 2001.
Audience: Gen. News Resource Site: KSC
Client: Odyssey/MRO, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/09/2001 - 0:03:00 Producer: Beck

AVC-2001-052-1/1 **More Asteroids with Neat New Camera - Video File**
A new asteroid-searching camera is installed at Palomar Observatory for the Jet Propulsion Laboratory's Near Earth Asteroid Tracking system. NASA's goal is to discover 90 percent of all near-Earth asteroids by 2010. The camera is able to take wider and more detailed views of the sky.
Audience: Gen. JPL NASA News Resource Site: Mt. Palomar
Client: NASA TV/Heil
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/11/2001 - 0:09:22 Producer: Savona

AVC-2001-053-1/1 **Electronic Beam Lithography Machine - Video File**
To advance nanotechnology, NASA's Jet Propulsion Laboratory has acquired one of the world's finest electron beam lithography systems, one that will allow researchers to work on the sub-molecular scale. The machine can fit 500 transistors in an area the width of a human hair.
Audience: Gen. Edu. JPL NASA News Resource
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/13/2001 - 0:12:01 Producer: Semerano

AVC-2001-055-1/2 **Mars Odyssey Launch Coverage**
NASA-TV coverage of Mars Odyssey Launch from Kennedy Space Center. Shows launch and replays along with switch at end to JPL for telemetry acquisition. Tape has been edited down from original 2 hour live program.
Audience: News Resource Site: KSC
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/13/2001 - 1:22:45 Producer: KSC (Borst)

AVC-2001-055-2/2 **Mars Odyssey Launch Coverage**
JPL-TV coverage of Mars Odyssey Launch from Jet Propulsion Laboratory. Shows JPL MSA for telemetry acquisition. Includes off camera commentary by Jane Platt. Tape has been edited down SRC-000259
Audience: News Resource Site: JPL
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/13/2001 - 1:17:00 Producer: Beck

AVC-2001-058-1/1 **von Kármán Lecture Series: "More Than Your Eyes Can See"**
VTV-900
Dr. Michelle Thaller discusses JPL's goals and achievements in infrared astronomy, and with the help of the audience, demonstrates the type of technology that makes it possible.
Audience: Gen. Edu. Site: vk auditorium
Client: PSO/Kim Johansen
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/19/2001 - 1:19:23 Producer: Savona

AVC-2001-059-1/1 **Students and Spacecraft Study Jupiter Radiation - Video File**
A few of the 2,300 students from 13 states who used a remote-control radio telescope to study Jupiter will present results to JPL scientists May 4. Their results are useful to scientists interpreting radio measurements that NASA's Cassini spacecraft made to map Jupiter radiation.
Audience: Edu. NASA News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/27/2001 - 0:09:11 Producer: Savona

AVC-2001-061-1/1 **FIRST High School Robotics Competition**
In this fast-paced overview of the FIRST High School Robotics Competition students are shown building robots, with the assistance of JPL engineers, which were entered in competitions held at the Sports Arena in Los Angeles and Walt Disney World's EPCOT Center.
Audience: Gen. Edu. JPL NASA News
Client: Alice Wessen
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/03/2001 - 0:04:38 Producer: Semerano

AVC-2001-062-1/1 **GAVRT-Team Work in Science and Education**
Intro: Gael Squibb, MGR. of INIS Directorate
Welcome: Dr. Charles Elachi, JPL Director
Remarks by: Daniel S. Goldin of NASA, Congressman Lewis, and Rick Piercy of Lewis Center
Students from various centers described the activities they did on C-JMOC.
Audience: Edu. JPL Site: JPL-von Kármán
Client: Shirley Wolff
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix 2001-139

Use edited version AVC 2001-139
05/04/2001 - 0:43:38 Producer: Parrillo

AVC-2001-063-1/1 **"Harvesting from Orbit" - Video File**
Farmers will be the first to use a new global positioning technology developed to make NASA satellites more efficient and cost-effective. The real-time global positioning system, developed at the Jet Propulsion Laboratory with NavCom Technology, Inc., works anywhere in the world.
Audience: Edu. NASA News Resource
Client: NASA TV/Sullivant
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/07/2001 - 0:06:15 Producer: Gary Savona

AVC-2001-064-1/1 **von Kármán Lecture Series: "The Beginnings of a Legacy"**
VTV-902 Blaine Baggett, Executive Manager of the Office of Communications and Education, illuminates JPL's early history and its emergence into the space age.
This presentation is augmented by historic images and early film footage of past projects.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: PSO/Kim Johansen
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/10/2001 - 1:08:45 Producer: Gary Savona

AVC-2001-066-1/1 **Galileo's Closest Flyby of Callisto - Video File**
On May 25, 2001 NASA's Galileo spacecraft, which as accomplished more flybys of assorted worlds than any other spacecraft, will perform its closest flyby yet. It will skim just 76 miles above Callisto, a moon of Jupiter. Callisto's gravity will sling shot it to Io later this year.
Audience: Edu. NASA News Resource
Client: NASA TV/Webster
Master: Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/17/2001 - 0:09:11 Producer: Gary Savona

AVC-2001-067-1/1 **JPL's 2001 Open House Webcast**
Hosts: Alice & Randii Wessen. Guests: Yoseph Bar-Cohen, Duane Bindschadler, James Butts, John Callas, Nagin Cox, Ann Devereaux, Stephen Edberg, Lloyd French, Jackie Green, Robert Hogg, Bernardo Lopez, Neville Marzwell, Marc Rayman, Michelle Thaller & Jorge Vazquez
Audience: Gen. Edu. Site: JPL

Client: Susan Reichley
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/19/2001 - 0:53:27 Producer: Savona

AVC-2001-071-1/1 **Recent Images from Mars Global Surveyor - Video File**
Newly released images from NASA's Mars Global Surveyor spacecraft taken during the extended mission phase, featuring: dust storms, dust devils, a recent image of "the face" and dark streaks that may be caused by avalanches.
Audience: News Resource
Client: NASA HQ/Hardin
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/23/2001 - 0:03:25 Producer: Beck

AVC-2001-072-1/1 **Artificial Intelligence - Video File**
NASA software that thinks for itself and makes decisions without help from ground controllers will fly in 2002 onboard the Three Corner Sat spacecraft.
Audience: Gen. Edu. JPL NASA News Resource
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/24/2001 - 0:09:01 Producer: Semerano

AVC-2001-075-1/1 **Two Years of Martian Weather - Video File**
MGS images taken of the Martian surface on a daily basis for two years were made into animated movies showing the movement of clouds, dust and the receding polar ice cap.
Audience: Gen. Edu. JPL NASA News Resource
Client: NASA TV/Mary Hardin
Master: BCAMsp
Audio 1: Silent 2: Silent
05/30/2001 - 0:03:10 Producer: Semerano/Kline

AVC-2001-076-1/1 **Future of Science & Technology: Debates in the World Economic Forum**
VTV-904 Are we in control of our own Technology?
Is Reproduction an Inalienable Right?
When will we know it all?
Dr. Freeman Dyson discusses the scientific & technological issues raised in these debates and their interests to scientists & engineers.
Audience: JPL Site: von Kármán Aud.
Client: Liz Hurera

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/23/2001 - 1:26:30 Producer: Greg Parrillo

AVC-2001-081-1/1 **Catalina Eddy animation**
NASA/JPL animation of the Catalina Eddy off the Southern California coast.
Audience: News Resource
Client: Sullivant
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/11/2001 - 0:00:30 Producer: Kline

AVC-2001-083-1/1 **Earth & Mars at Opposition - Video File**
This animation depicts Mars and Earth at Opposition, when the two planets are as close to each other as the geometry of their orbits will allow. On June 21, 2001, Mars and Earth will be the closest they have been since 1988: 42 million miles.
Audience: JPL NASA
Client: Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/18/2001 - 0:00:59 Producer: Kline

AVC-2001-084-1/1 **VPMA - Volunteer Professionals for Medical Advancement - Short Version**
A new review of a ten year old JPL Retiree's Hospital Project (VPMA). Presents five hospital tasks to interest technical retiree's all over the U.S. to form their own VPMA project in the VPMA national program. ** SHORT VERSION **
Audience: Gen. Edu. JPL Site: JPL TV Studio
Client: Herman Bank
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/19/2001 - 0:13:50 Producer: Greg Parrillo

AVC-2001-086-1/1 **Hawaiian Wake - Video File**
This animation shows how the Hawaiian Islands, standing tall in the middle of the steady trade winds, trigger an extraordinary interaction between wind and ocean that extends thousands of kilometers downward. Data from Earth-observing satellites was used to create this animation.
Audience: NASA News Resource

Client: NASA TV/Sullivant
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/20/2001 - 0:00:47 Producer: Savona

AVC-2001-087-1/1
VTV-905

von Kármán Lecture Series - "From Galileo to Gossamer"
This lecture examines how telescope technology has evolved over the centuries and how it will soon produce the most advanced space observatories ever built by humans. Inflatable "Gossamer" antennas will allow us to view neighboring black holes with 3,000 times better resolution than Hubble.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Comm. & Education
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/21/2001 - 1:10:27 Producer: Savona

AVC-2001-089-1/1

Artificial Intelligence (A.I.) Webcast
A look at current A.I. work at JPL and questions from viewers are answered by Dr. Edward Tunstel - FIDO engineer, Dr. Larry Matthies - machine vision, Barbara Engelhardt & Russell Knight - autonomous operation. Alice Wessen hosted. URBIE the rover appeared live.
Audience: Gen. Site: JPL
Client: Reichley
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/29/2001 - 0:32:37 Producer: Kline/Semerano

AVC-2001-090-1/1

Genesis Pre-launch - Video File
Genesis, a mission to the Sun to collect solar wind and return it to Earth, will launch July 30, 2001. The samples it brings back in a spectacular helicopter capture will help scientists learn over the next century about the origins of the solar system.
Audience: NASA News Resource
Client: NASA TV/Heil
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/02/2001 - 0:14:48 Producer: Savona

AVC-2001-093-1/1

NASA's Jet Propulsion Laboratory Machine Shop - Video File
In the technical shop at NASA's JPL, diverse individuals blend craftsman skills in modern computerized technology to fabricate mechanical prototypes and hardware for Earth and

space exploration projects.
Audience: Gen. Edu. JPL NASA News Resource
Client: Scafidi
Master: Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/2001 - 0:15:00 Producer: Semerano

AVC-2001-094-1/1 **Native American Educator Workshops - Video File**
Native American educators attend a two-week workshop at the NASA/JPL Educator Resource Center in Pomona, Calif. Teachers learn to increase student involvement while preserving Native American traditions. A highlight is the construction of an inflatable planetarium.
Audience: JPL NASA News Resource
Client: Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/06/2001 - 0:13:24 Producer: Kline

AVC-2001-095-1/1 **VPMA - Volunteer Professionals for Medical Advancement - Hospital Ver.**
A new review of a ten year old JPL Retiree's Hospital Project (VPMA). Presents five hospital tasks to interest technical retiree's all over the U.S. to form their own VPMA project in the VPMA national program. ** (HOSPITAL VERSION) **
Audience: Gen. JPL
Client: Herman Bank
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/2001 - 0:17:55 Producer: Greg Parrillo

AVC-2001-097-1/1 **Mars Dust Storm - Video File**
This animation shows the largest dust storm seen on Mars since the MGS spacecraft arrived in 1997. The MGS Thermal Emission Spectrometer instrument has been mapping the temperature and amount of dust in the Martian atmosphere for over one Mars year (approx. 2 Earth years)
Audience: News Resource
Client: M. Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/09/2001 - 0:01:20 Producer: Beck

AVC-2001-098-1/1 **Genesis Mission & Science Pre-Launch News Conference**
VTV-906 Panelists: Dr. Jay Bergsralh, Office of Space

Science/NASA HQ
Dr. Donald Burnett, Genesis Principal Investigator/Caltech
Chester Sasaki, Genesis Project Manager/JPL
Dr. Mernakshi Nadhwa, Cosmochemist/Chicago, IL
Audience: Tech. NASA Site: NASA HQ
Client: Martha Heil-MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/11/2001 - 0:41:31 Producer: HQ (Ziats)

AVC-2001-099-1/1 **Genesis Phase One**
Overview of the Genesis Mission to collect solar wind and return it to Earth. Includes interviews with project members, footage of the clean room, Sun and spacecraft.
Audience: Edu. JPL News Resource Site: Various sites
Client: McRel/Gil Yanow
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/13/2001 - 0:06:57 Producer: Savona

AVC-2001-100-1/1 **Jupiter from Above - Video File**
Unexpectedly persistent polar weather patterns on Jupiter appear in a new movie clip from NASA's Cassini spacecraft showing 70 days of cloud movements on Jupiter.
Audience: NASA News Resource
Client: NASA TV/Webster, Org. 180
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/13/2001 - 0:07:22 Producer: Savona

AVC-2001-101-1/1 **Volcano Research Erupts - Video File**
One of the best and safest ways to study volcanoes is from space. New spaceborne instruments let scientists peer deeply into volcanoes, monitor their changes and learn more about their behavior.
Audience: NASA News Resource
Client: NASA TV/Sullivant
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/16/2001 - 0:19:47 Producer: Savona

AVC-2001-102-1/1 **vKA Lecture - "Mars Exploration: From the Vikings to the 21st Century"**
VTV-907 --von Kármán Lecture Series--
Mars Exploration Rover Science Manager, Dr. John Callas explains how the Viking missions paved the way for current

projects to explore Mars and changed our view of Mars and Earth.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Comm. & Education, Org. 180
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/19/2001 - 1:12:18 Producer: Savona

AVC-2001-105-1/1 **Viking 25th Anniversary Video**
A look back at the Viking 1 landing day on July 20th, 1976, as well as a look into the future of Mars exploration. Contains interviews with Tom Young, Viking Mission Director, and Jim Martin, Viking Project Manager.
Audience: Edu. JPL Resource
Client: Christine Johnson
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/20/2001 - 0:06:45 Producer: Johnson/Beck

AVC-2001-106-1/1 **Altair, A Fast Spinning Star - Video File**
For the first time ever, a star spinning so fast its mid-section has stretched out has been observed by scientists using the Palomar Testbed Interferometer. An animation shows the relative spin and shape of Altair as compared with our Sun.
Audience: Gen. Edu. JPL NASA News Resource
Client: NASA TV/Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/23/2001 - 0:05:49 Producer: Semerano

AVC-2001-111-1/1 **Volcanic Encounter at Io's North Pole - Video File**
NASA's Galileo spacecraft will skim over the north pole of Jupiter's moon Io at 12:59 a.m. EDT Aug. 6, 2001 (9:59 p.m. PDT Aug. 5, 2001). The encounter will put the durable space robot in a good position to examine the site of a dramatic recent volcanic eruption.
Audience: NASA News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/31/2001 - 0:07:54 Producer: Savona

AVC-2001-112-1/1 **Comet-Bound Device MIRO Crosses Atlantic - Video File**
NASA's Jet Propulsion Laboratory has shipped a unique scientific instrument to the Netherlands that will ride on

the European Space Agency's Rosetta mission to a comet. The device, named Microwave Instrument for Rosetta Orbiter (MIRO) will begin orbiting Comet Wirtanen in Nov. 2011.
Audience: NASA News Resource
Client: NASA TV/Heil
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/03/2001 - 0:09:38 Producer: Savona

AVC-2001-114-1/1 **Genesis Launch & Signal Acquisition with Commentary**
NASA TV coverage of the Genesis spacecraft launch and Signal Acquisition from the spacecraft. Genesis, a mission to the Sun to collect solar wind and return it to Earth, launched on August 8, 2001, aboard a Delta II launch vehicle.
Audience: News Resource
Client: Media Relations
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/08/2001 - 0:59:00 Producer: KSC/Savona

AVC-2001-116-1/1 **Mars Webcast**
Host Claudia Alexander with guests Roger Gibbs and Jeff Plaut.
Audience: Gen.
Client: S. Reichley
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/04/2001 - 0:30:00 Producer: Beck

AVC-2001-119-1/1 **Weird Spires on Jovian Moon - Video File**
The highest-resolution views ever obtained anywhere outside the asteroid belt were captured by NASA's Galileo spacecraft when it flew near Jupiter's moon Callisto in May 2001. One image shows spiky landscape of bright ice and dark dust; and the first complete color global of Callisto.
Audience: NASA News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
08/20/2001 - 0:04:19 Producer: Savona

AVC-2001-123-1/1 **Tumbleweed Rover - Video File**
The "Tumbleweed Rover", is a giant, lightweight, inflated ball, with instruments inside, that could explore the Martian surface powered by wind. An animation shows how

this concept might look when deployed on Mars. Jack Jones is interviewed.
Audience: Gen. Edu. JPL NASA News Resource
Client: NASA TV/Martinez
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/24/2001 - 0:07:25 Producer: Semerano

AVC-2001-125-1/1 **von Kármán Lecture Series - "Earthquake Prediction"**
VTV-908 --von Kármán Lecture Series--
In Dr. Lucy Jones' talk about a practical approach to an impossible problem of earthquake prediction, Dr. Jones describes how scientists are moving from trying to predict individual events to evaluating the consequences of probability rates.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Comm. & Education
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/30/2001 - 1:16:24 Producer: Savona

AVC-2001-128-1/1 **Challenges of Getting to Mars: Aerobraking**
Part one in a series of four demonstrating the challenges of getting a spacecraft to Mars. This video describes how aerobraking is achieved. Mars Odyssey team members, Bob Mase, John Smith, and Dave Spencer explain how its done.
Audience: Gen.
Client: C. Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/18/2001 - 0:03:42 Producer: Beck

AVC-2001-129-1/1 **Challenges of Getting to Mars: Interplanetary Cruise**
Part two in a series of four demonstrating the challenges of getting a spacecraft to Mars. This video describes maneuvers performed during interplanetary cruise. Mars Odyssey team members, Bob Mase, Randii Wesson, and Larry Bryant explain how its done.
Audience: Gen.
Client: C. Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/19/2001 - 0:03:21 Producer: Beck

AVC-2001-130-1/1 **von Kármán Lecture Series - "Extra-Terrestrial Life"**
VTV-910 Dr. Pamela Conrad from JPL's Center for Life

Detection presents some of the latest ideas for searching for life beyond Earth. Research is based on the idea that even though life elsewhere may assume a different form there may be universal features that can be detected.
Audience: Gen. Edu. JPL Resource Site: von Kármán Aud.
Client: Office of Comm/Edu.
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/20/2001 - 1:08:00 Producer: Semerano

AVC-2001-131-1/1 **Deep Space 1 Encounters a Comet - Video File**
NASA's Deep Space 1 spacecraft collected images and other information as it flew near a comet named Borrelly on Sept. 22, 2001. The comet flyby was a successful bonus after the spacecraft had completed its primary task of test flying several advanced technologies.
Audience: Gen. JPL NASA News
Client: Martha Heil
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/24/2001 - 0:22:55 Producer: Kline

AVC-2001-133-1/1 **Seeing and Tasting Io's Tallest Plume - Video File**
NASA's Galileo spacecraft flew through a giant volcanic plume emanating from Jupiter's moon Io. This video file includes stills from Galileo's encounter, an animation of Galileo passing through a volcanic plume on Io and interviews with scientists Dr. Claudia Alexander & Dr. Rosaly Lopes.
Audience:
Client: Webster
Master: Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/03/2001 - 0:13:31 Producer: Kline

AVC-2001-134-1/1 **Deep Space 1 News Conference**
Pictures and other scientific data from the flyby of comet Borrelly by NASA's Deep Space 1 spacecraft was unveiled. Includes video file.
Participants: Dr. Tom Morgan, Dr. Marc Rayman, Dr, Robert Nelson, Dr. Larry Soderblom, Dr. David Young, Dr. Donald Yeomans
Audience: JPL NASA Site: von Kármán Aud
Client: Media Relations, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

09/25/2001 - 1:28:00 Producer: Beck

AVC-2001-135-1/1 **Robotic Mini-Bulldozer - Video File**
Researchers at NASA's Jet Propulsion Laboratory, are conducting basic research on a new breed of rover, with tiny scoops to dig up and dump soil into an overhead bucket. Many years into the future, rovers like these may be used to look for life and build a Mars outpost.
Audience: Gen. News Resource Site: JPL
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/07/2001 - 0:09:58 Producer: Semerano

AVC-2001-136-1/1 **Challenges of Getting to Mars: Telecommunication**
Part three in a series of four demonstrating the challenges of getting a spacecraft to Mars. This video describes the difficulties in communicating with a spacecraft. Mars Odyssey team members, Bob Mase, and Randii Wesson explain.
Audience: Gen.
Client: C. Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/01/2001 - 0:03:04 Producer: Beck

AVC-2001-137-1/1 **Challenges of Getting to Mars: Orbit Insertion**
Part four in a series of four demonstrating the challenges of getting a spacecraft to Mars. This video describes Mars Orbit Insertion (MOI). Mars Odyssey team members, Bob Mase, and Dave Spencer explain how its done.
Audience: Gen.
Client: C. Johnson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/11/2001 - 0:03:42 Producer: Beck

AVC-2001-138-1/1 **Space Science Update - The Perfect Storm on Mars**
Science update discussing Dust Storms and their effects on Mars.
Panelists:
Dr. Jim Garvin Mars Prog. Scientist NASA-HQ;
Dr. Jim Bell Cornell Univ.;
Dr. Phillip Christensen Arizona State Univ.;
Dr. Michael Malin, Malin Space Systems;
Dr. Richard Zurek JPL.
Q & A follows. Briefing begins after 4 min. Graphics preroll

Audience: Gen. News Site: NASA-HQ
Client:
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/11/2001 - 1:02:00 Producer: HQ [Borst]

AVC-2001-139-1/1 **GAVRT - Team Work in Science and Education - May 4, 2001 - Edited**
GAVRT - Team work in Science and Education event in von Kármán Auditorium. Participating students and teachers are honored for activities they did on C-JMOC. Dr. Charles Elachi, Gael Squibb, Dan Goldin, Congressman Jerry Lewis, Rick Piercy of Lewis Center. EDITED VERSION
Audience: Edu.
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix AVC 2001-062
10/12/2001 - 0:38:25

AVC-2001-141-1/1 **Mars Odyssey Pre-Arrival - Video File**
Trajectory animation, Cruise animation, Trajectory Correction Maneuver animation, Stow animation, MOI 1 animation, MOI 2 animation, MOI close-up, Aerobraking close-up and Aerobraking wide shot
Audience: Edu. NASA News Resource
Client: NASA TV/Hardin
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
10/17/2001 - 0:10:13 Producer: Savona

AVC-2001-142-1/1 **von Kármán Lecture Series - "The Earth as Seen from Space"**
VTV-912 Dr. Robert Parker shows both familiar and unfamiliar locales from 200 miles up, and illustrates what we can learn about different characteristics of various features such as earthquake faults, volcanoes, clouds and currents.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Office of Comm./Edu.
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/18/2001 - 1:01:44 Producer: Savona

AVC-2001-147-1/1 **Mars Odyssey Animation - Video File**
Video file for 2001 Mars Odyssey's Mars Orbit Insertion, including animations of the spacecraft's journey from Earth to Mars, flight path and engine firing for Mars Orbit Insertion, and science animations for Odyssey's three

instruments: MARIE, THEMIS, and GRS.
Audience: News Resource Site: JPL
Client: M. Hardin
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/22/2001 - 0:12:00 Producer: Beck/Johnson

AVC-2001-149-1/1 **2001 Mars Odyssey Pre-Arrival News Conference**
Discussed the critical orbit insertion burn.
Participants:
Dr. Jim Garvin, Mars Program Scientist, NASA HQ;
David A. Spencer, Odyssey Mission Mgr., JPL;
Bob Mase, Odyssey Lead Navigator, JPL;
Roger Gibbs, Odyssey Deputy Project Mgr., JPL;
Matt Landano, Odyssey Project Mgr, JPL.
Audience: Gen. News Resource Site: von Kármán Aud.
Client: Mary Hardin/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/18/2001 - 0:37:12 Producer: Beck

AVC-2001-150-1/1 **NASA Administrator Daniel Goldin's Announcement of Resignation**
VTV-913 Administrator Dan Goldin was appointed NASA Administrator April, 1, 1992, by President George H.W, Bush and became the Agency's longest-serving chief on March 5, 2001.
Audience: Edu. News Site: NASA
Client: NASA TV
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/18/2001 - 0:25:50 Producer: NASA

AVC-2001-151-1/1 **2001 Mars Odyssey Orbit Insertion Live Commentary**
VTV-914 Commentator: David Seidel (7:00PM - 8:30PM)
Interviews with: Orlando Figeroa, NASA Mars Program Director;
Robert Mase, Odyssey Lead Navigator;
Roger Gibbs, Odyssey Department Project Manager.
Audience: News Resource Site: BLDG. 230
Client: Media Relations
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/23/2001 - 1:26:00 Producer: Beck

AVC-2001-152-1/1 **2001 Mars Odyssey Post Arrival Quick-Look News Conference**
VTV-915 Moderator: Jane Platt, JPL Media Relations

Presenters: Dan Goldin, NASA Administrator
Matt Landano, Odyssey Project Manager, JPL
A quick look at orbit insertion maneuver and congratulations to the team.
Audience: News Resource Site: von Kármán Aud
Client: Media Relations, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/23/2001 - 0:13:52 Producer: Savona

AVC-2001-153-1/1
VTV-916

Dan Goldin Addresses JPL
Intro: Dr. Charles Elachi, JPL Lab Director thanks Dan Goldin for all the support he has given JPL throughout the years as NASA's Administrator.
Dan Goldin congratulates the Mars Odyssey Team for a successful orbit insertion and thanked JPLers for all their hard work. No Q&A.
Audience: Tech. JPL Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/2001 - 0:20:00 Producer: Savona

AVC-2001-154-1/1
VTV-917

2001 Mars Odyssey Post-Arrival Summary News Conference
Moderator: Jane Platt, JPL Media Relations
Presenters: Dan Goldin, NASA Administrator
Matt Landano, Odyssey Project Manager, JPL; Bob Mase, Odyssey Lead Navigator, JPL; Bob Berry, Lockheed Martin; Dave Spencer, Odyssey Mission Manager and Dr. Steve Saunders, Odyssey Scientist
Audience: News Resource Site: von Kármán Aud
Client: Media Relations, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/24/2001 - 0:25:37 Producer: Savona

AVC-2001-156-1/1

2001 Mars Odyssey Arrival Day Compilation
Beginning with the official MOI day opening used for the live broadcast, then back to Odyssey launch, separation and animated journey to Mars and ending with celebratory footage of Odyssey team members in the Mission Support Area on October 23rd.
Audience: Gen.
Client: Charles Elachi
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

10/24/2001 - 0:04:45 Producer: John Beck

AVC-2001-157-1/1 **Computerized Eye Test - Video File**
A physicist at NASA's Jet Propulsion Laboratory, has created a five-minute vision test using a laptop computer with a touch-sensitive screen. The test can help diagnose the onset of eye diseases and can be administered almost anywhere.
Audience: Gen. News
Client: Carolina Martinez
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/26/2001 - 0:08:32 Producer: Semerano

AVC-2001-158-1/1 **Passport to Knowledge: "Live from Mars 2001"**
Passport to Knowledge series for NASA/NSF/NOAA. Aired live on PBS and NTV to classrooms.
This interactive show focused on the Mars Odyssey Mission one week after orbit insertion around Mars. Live video from the JPL Odyssey Mission Support Area (MSA) and the JPL Visitor Center. Hosted by Kurt Williams. Science Guests: Roger Gibbs, Vicky Hamilton, John Callas & David Seidel. Stephenie Lievense read e-mail questions.
See http://passporttoknowledge.com to purchase video and teacher's guide.
Audience: Gen. Edu. Site: JPL
Client: Passport to Knowledge, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/30/2001 - 1:00:00 Producer: Geof Hanes-Stiles

AVC-2001-159-1/1 **Mars Mini-Bulldozer Rover - Web Production**
Narrated production with music for the web about the Mars Mini-Bulldozer which may one day be used on Mars for both the exploration of the planet as well as help build outposts and habitats for a possible human presence.
Audience: Gen. Site: JPL
Client: Viotti
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/31/2001 - 0:01:18 Producer: Semerano

AVC-2001-162-1/1 **Ultra-Violet Camera - Web Production**
Narrated production for the web about how certain living things possess bio-markers invisible to the naked eye yet can been seen through an ultra-violet camera developed at

JPL, presenting the possibility that such a device could be used to try to detect life on other planets and moons.
Audience: Gen.
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/08/2001 - 0:00:57 Producer: Semerano

AVC-2001-163-1/1 **GRACE Project Personnel Interviews**
Ab Davis, Mike Watkins and Victor Zlotnicki discuss the GRACE project and their roles in it.
Zlotnicki repeats his comments in Spanish.
Audience: Edu. Resource
Client: Srinivasan
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/12/2001 - 0:44:02 Producer: Kline

AVC-2001-165-1/1 **Jason 1 Ocean-Viewing Satellite Set for Launch - Video File**
The Jason 1 satellite will catch the torch from the Topex/Poseidon mission in continuing observations and making precise measurements of ocean surface topography. Jason 1 will study interactions of the oceans and atmosphere and observe events like El Nino.
Audience: News Resource
Client: NASA TV/Buis
Master: Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/14/2001 - 0:10:57 Producer: Savona

AVC-2001-166-1/1 **2001 Leonid Meteor Shower - Video File**
Animations, stills and an interview with JPL astronomer Dr. Don Yeomans explain why the November 2001 Leonid meteor shower is expected to give its best showing in decades.
Audience: JPL NASA News Resource
Client: Heil
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/14/2001 - 0:10:02 Producer: Kline

AVC-2001-167-1/1 **Compilation of Mars Videos**
VTV-919 Odyssey pre-launch video -15mins, Odyssey launch -3mins, The Pathfinders -35:30, MGS Final Orbit -3mins, Viking 25th Anniversary -6:45, Mars Orbit Insertion Event -4:45, 2003 Rover animation -2mins, The Pathfinders (3 minute version)

Audience: Gen. Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/14/2001 - 1:15:00 Producer: Beck

AVC-2001-168-1/1 **Cassini on the Lookout for Gravitational Waves - Video File**
An experiment starting on Nov. 26, 2001, uses radio links between Earth and a distant NASA spacecraft to search for gravitational waves. Gravitational waves could provide a new way to examine events that set them off, such as the Big Bang or formation of black holes.
Audience: NASA News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/16/2001 - 0:09:48 Producer: Savona

AVC-2001-169-1/1 **Altair: A Fast Spinning Star - Web Production**
For the first time ever a star has been observed spinning so fast that its midsection is stretched, as observed by the Palomar Interferometry Testbed.
Audience: Gen. News Resource Site: JPL
Client: Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/18/2001 - 0:01:07 Producer: Semerano

AVC-2001-170-1/1 **Jason 1 Pre-Launch Science Briefing**
Presenters: Dr. Ghassem R. Asrar, Assoc. Admin. for Earth Science-NASA; Dr. Eric Lindstrom, Oceanography Prog. Scientist; Dr. Nicole Papinean, Atmospheric Climate & Ocean-CNES & Charles Yamarone, Deputy Dir. of Earth Science & Tech.-JPL; Dr. Lee-Lueng Fu, Jason 1 Scientist
Audience: News Resource Site: NASA HQ
Client: Jason 1 / MRO
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/19/2001 - 0:54:00 Producer: HQ [Ziats]

AVC-2001-174-1/1 **2001 Mars Odyssey Launch, Telemetry Acquisition and Orbit Insertion**
Launch: April 7, 2001
Orbit Insertion: October 23, 2001
Audience: Resource
Client: Terry Himes
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
11/27/2001 - 1:30:55 Producer: Kline

AVC-2001-177-1/1 **GRACE animation - excerpted from "The Oceans' Role in Climate"**
Animation shows how the GRACE mission measures Earth's varying gravity field very precisely.
GRACE = Gravity Recovery and Climate Experiment.
1. Narrated - (Textless Version)
followed by 10 seconds of black:
2. Texted - (Texted Version)
Audience: JPL Resource
Client: Mona Jasnow
Master: BCAMsp
Audio 1: Stereo 2: Stereo
11/28/2001 - 0:02:08 Producer: Kline/Savona

AVC-2001-179-1/1 **Rocking & Rolling Comet Borrelly - Video File**
Pictures taken from Deep Space 1's close flyby of Borrelly reveal jets and a rocky surface on the comet.
Audience: News Resource
Client: Heil
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/28/2001 - 0:03:29 Producer: Kline

AVC-2001-180-1/1 **von Kármán Lecture Series - "The Hunt for Earth-like Planets"**
VTV-920
Dr. Charles Beichman, Chief Scientist for NASA's Origins Program, uses slides and animations that show how new technologies are being developed for finding smaller, Earth-like planets likely to harbor life around distant stars.
Audience: Gen. Site: JPL
Client: Public Services, Org. 1840
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/29/2001 - 1:21:00 Producer: Semerano

AVC-2001-181-1/1 **Genesis' Solar Wind Sampler Picks Particles - Video File**
The Genesis mission begins collecting solar wind particles by opening up its collector arrays and turning on its instruments to allow the heavy atoms of the solar wind to embed themselves.
Interview with Dr. Donald Burnett, Genesis principal investigator.
Audience: NASA News Resource
Client: NASA TV/Heil

Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/30/2001 - 0:14:31 Producer: Savona

AVC-2001-182-1/1 **Martian South Pole Mesas and Pits in Frozen Carbon Dioxide**
Shows flyover of south polar region, dissolve between frozen layered terrain, animation of Mars Global Surveyor, and Zoom in of rotating Mars South Polar region.
Audience: Resource
Client: M. Hardin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/01/2001 - 0:05:00 Producer: Beck

AVC-2001-188-1/1 **VPMA- Volunteer Professionals for Medical Advancement- Retiree V3**
A new review of a ten year old JPL Retiree's Hospital Project (VPMA). Presents five hospital tasks to interest technical retiree's all over the U.S. to form their own VPMA project in the VPMA national program. **(RETIREE UPDATED VERSION)** Includes Bank modification.
Audience: Gen. News
Client: Herman Bank
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/05/2001 - 0:20:00 Producer: Greg Parrillo

AVC-2001-189-1/1 **Jason 1 Launch - Video File**
NASA's Jason 1, an Earth-observing satellite, was launched Dec. 7, 2001, from Vandenberg Air Force Base, Calif. Jason 1 will monitor global climate interactions between the sea and the atmosphere.
1. Launch 2:02
2. Family & friends observe the launch :30
Audience: News Resource
Client: Buis
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/2001 - 0:04:23 Producer: Kline

AVC-2001-190-1/1 **Jason 1 Launch - Off-air**
Jason 1 launch from Vandenberg Air Force Base, Calif. This is a continuous recording as it came from the satellite. Some of the video is flawed due to transmission problems at Vandenberg -- particularly the launch itself.
Audience:
Client: Alan Buis

Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/07/2001 - 1:40:00 Producer: Kline

AVC-2001-192-1/1
VTV-922

von Kármán Lecture Series - "The Ends of the Earth"
Benjamin Holt, Research Scientist, Polar Oceanography Group, presents the most recent findings which show how the Arctic and Antarctic regions affects the Earth's climate.
Audience: Gen. Site: JPL
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/13/2001 - 1:10:00 Producer: Semerano

AVC-2001-193-1/1

Cliff-bot Rover - Video File
Researchers at NASA's Jet Propulsion Laboratory are developing a new breed of rovers that may explore the steep hills and gullies of the Red Planet. Called "cliff-bots", these rovers work in teams of three.
Audience: Gen. News Resource Site: JPL
Client: Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/14/2001 - 0:13:52 Producer: Semerano

AVC-2001-194-1/1

Goodbye to Deep Space 1 - Video File
NASA's wildly successful Deep Space mission ends on December 18, 2001. The mission was extended and the spacecraft flew by comet Borrelly in September 2001, producing the highest-resolution pictures of a comet ever taken.
Audience: Tech. NASA Resource
Client: NASA TV/Heil
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/14/2001 - 0:13:41 Producer: Savona

AVC-2001-196-1/1

"The Cliffbot: A Future Robotic Rover" - Webcast
The cliffbots are rovers that may one day explore the sides of channels on Mars. Working in teams of three, the rovers, like mountain climbers on Earth, can help each other descend down deep slopes as they search for evidence of past water flows and even fossilized life on the Red Planet.
Audience: Gen. News
Client: Viotti
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
12/20/2001 - 0:01:28 Producer: Semerano

AVC-2001-197-1/1 **"Goodbye to Deep Space 1" - Web Production**
NASA's wildly successful Deep Space mission ends on December 18, 2001. The mission was extended and the spacecraft flew by comet Borrelly in September 2001, producing the highest-resolution pictures of a comet ever taken.
Audience: Gen. News
Client: Heil/Reichley
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/18/2001 - 0:01:30 Producer: Savona

AVC-2001-198-1/1 **"Rover Roundup: A New Generation of Robotic Explorers" - Webcast**
The Tumbleweed, Cliffbot, Mini-bulldozer and Worker-crew robots are four new robotic explorer designs that use different strategies to explore the surface of Mars and may one day prepare the way for human habitation.
Audience: Gen. News
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/24/2001 - 0:01:58 Producer: Semerano

AVC-2002-002-1/1 **Robotic Work Crew - Video File**
Robotic systems that can work together to complete tasks are currently under development at NASA's Jet Propulsion Laboratory. Teams of rovers that can assemble solar arrays and build a base may one day be deployed to Mars to help construct a scientific station or even build a human habitat.
Audience: Gen. JPL NASA News Resource
Client: Martinez
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/07/2002 - 0:13:46 Producer: Semerano

AVC-2002-003-1/1 **Cryobot Passes Arctic Test - Video File**
NASA's Cryobot team braves freezing weather on Arctic Glacier to successfully test probe. Dramatic footage of team at work on glacier as well as interview with Cyrobot Task Manager Lloyd French.
Audience: Gen. News
Client: NASA HQ
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
01/08/2002 - 0:18:10 Producer: Beck

AVC-2002-004-1/1 **Galileo Says Bye Bye to Io - Video File**
NASA's durable Galileo spacecraft makes its last flyby to Jupiter's moon Io. This flyby is just 100 kilometers (62 miles) above Io's surface.
An edited web production follows the video file. It is 1:28 in length.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/11/2002 - 0:12:48 Producer: Savona

AVC-2002-005-1/1 **"Women in Science-Mentors at NASA's Jet Propulsion Laboratory"**
VTV-971
A discussion among women scientists at JPL about their experiences and efforts in encouraging young students to get involved in science & engineering. Presented in a talk show format and hosted by Stephenie Lievense, the participants answered questions from the audience & the Chabot Center.
Audience: Gen. JPL
Client: Stephenie Lievense
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/13/2001 - 1:01:00 Producer: Semerano

AVC-2002-006-1/1 **Passport to Knowledge - Live from Mars Demo**
A shortened version of the Odyssey Orbit Insertion showing highlights of the hour long live show.
Audience: Resource
Client: M. Viotti
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/14/2001 - 0:05:00 Producer: Stiles/Beck

AVC-2002-007-1/1 **NASA Releases Continental U.S. SRTM Data - Video File**
NASA's Jet Propulsion Laboratory, Pasadena, Calif., has released the high-resolution topographic data of the continental United States collected during the February 2000 Shuttle Radar Topography Mission. Includes flyovers of California and high-resolution images.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Buis
Master: BCAMsp Submaster: BCAMsp

Audio 1: Mono mix 2: Mono mix
A 1:53 Web Production follows video file
01/18/2002 - 0:23:52 Producer: Savona

AVC-2002-008-1/1 **SRTM's Flyovers of California and San Francisco and Web Production**
NASA's Jet Propulsion Laboratory created these 3-D flyovers of California and the San Francisco area from Shuttle Radar Topography Mission (SRTM) data.
1st on tape is California flyover with slate;
2nd on tape is San Francisco flyover with slate;
Repeats once without slates; And web production. follows.
Audience: Gen. Edu. Resource
Client: Mona Jasnow
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
A narrated web production follows flyovers.
01/23/2002 - 0:08:07 Producer: Savona

AVC-2002-010-1/1 **von Kármán Lecture Series - "The Winds and Beyond"**
VTV-925
Dr. Mike Spencer discusses how radar placed in orbit can help observe the Earth's climate. Radar instruments are able to penetrate clouds and "see" phenomena which are unobservable to conventional satellite-based cameras.
Audience: Gen. Site: v.k. auditorium
Client: PSO/Razze
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/24/2002 - 0:54:30 Producer: Savona

AVC-2002-012-1/1 **NASA Administrator Sean O'Keefe's Inaugural Visit - Video File**
The new head of NASA, Sean O'Keefe escorted by JPL Director, Dr. Charles Elachi tours the laboratory and afterward addresses JPL employees in von Kármán auditorium.
Audience: Gen. JPL NASA News Resource Site: JPL
Client: NASA TV/McGregor
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/30/2002 - 0:06:37 Producer: Semerano/Savona

AVC-2002-013-1/1 **Odyssey Team Graveyard Shift**
Pete Antreasian, Darren Baird & Brian Kennedy are Odyssey Navigators who give a glimpse into what it has been like working the graveyard shift at JPL. They've been working around the clock as they end the Odyssey spacecraft's aerobraking phase and begin preparations for the mapping

phase.
Audience: Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/31/2002 - 0:03:00 Producer: Beck/Johnson

AVC-2002-014-1/1 **"Supercomputer Simulates Black Hole Energy Jets" - Video File**
Scientists used a supercomputer to mimic a swirling black hole squirting powerful energy jets. This technique is similar to weather prediction methods.
Audience: Gen. Edu. News Resource
Client: Jane Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/01/2002 - 0:06:00 Producer: Semerano

AVC-2002-022-1/1 **30 yrs. of Remote Sensing Experience Shines at 2002 Olympics-Vid File**
A collection of specially rendered satellite imagery designed to highlight the Salt Lake City region. Included is a 20-second 3-D tour of the Olympic venues, a look at seasonal change near Salt Lake, a glimpse at some of the profound changes over the past 30 yrs near Salt Lake City and a look at how data from satellites are now being used to build advanced "Virtual Climate" models that can help predict seasonal changes (snowfall amounts) in the region.
Audience: Tech. NASA Site: NASA HQ
Client: Media Relations, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/08/2002 - 0:28:00 Producer: NASA HQ

AVC-2002-023-1/1 **VPMA Story IV**
A new review of a ten year old JPL Retiree's Hospital Project (VPMA). Presents five hospital tasks to interest technical retiree's all over the U.S. to form their own VPMA project in the VPMA national program.
Audience: Resource
Client: Herman Bank
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/10/2002 - 0:20:20 Producer: Kline

AVC-2002-028-1/1 **Journey to the Planets and Beyond: Mariner 2 and Voyagers 1 and 2**
In this new museum dedication and celebration marking the 40th anniversary of Mariner 2 and the 25th anniversary of

Voyager 1 and 2, Dr. William Pickering, Dr. Bruce Murray, Dr, Ed Stone and Dr. Charles Elachi give their historical perspectives.
Audience: JPL Resource Site: von Kármán Aud.
Client: Blaine Baggett
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/15/2002 - 0:21:51 Producer: Savona

AVC-2002-029-1/1 **Black History Month - Video File**
In celebration of Black History Month engineers at NASA's Jet Propulsion Laboratory, Pasadena, Calif., discuss their contributions to the future of NASA and JPL missions.
Audience: Gen. News Site: JPL
Client: Xaviant Ford/MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/20/2002 - 0:07:32 Producer: Parrillo/Semerano

AVC-2002-030-1/1 **"Dark Vortex near Jupiter's North Pole" - Video File**
Ultraviolet movie of Jupiter by Cassini gives polar view of high atmosphere including a dark vortex.
Audience: News Resource
Client: Guy Webster
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/21/2002 - 0:07:59 Producer: Semerano

AVC-2002-032-1/1 **Genesis Webcast - for Introduce a Girl to Engineering Day**
Teacher and students perform gravity experiments. Jennie Johannesen, Trajectory Analyst, and Chet Sasaki, Genesis Project Manager, answer questions from students about gravity and the Genesis project.
Audience: Gen. JPL
Client: Martha Heil
Master: BCAMsp
Audio 1: Stereo 2: Stereo
02/21/2002 - 0:12:25 Producer: Henry Kline

AVC-2002-033-1/1 **von Kármán Lecture Series - "Artificial Muscles"**
VTV-929
Dr. Yoseph Bar-Cohen reviews current and future efforts being made and considered with electroactive polymer materials which can potentially provide actuation with lifelike response and flexible configurations.
Audience: Gen. Site: von Kármán Aud.
Client: PSO/Razze

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/21/2002 - 1:02:15 Producer: Savona

AVC-2002-036-1/1 **"Dark Vortex Near Jupiter's North Pole" - Web Production**
The ultra-violet camera on-board the Cassini spacecraft images a never before seen dark vortex swirling around Jupiter's north pole, in this production for the web narrated by Dr. Robert Wise.
Audience: Gen. JPL NASA News
Client: Guy Webster
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/25/2002 - 0:01:32 Producer: Semerano

AVC-2002-037-1/1 **"Magnetic Environment Whirls Around Jupiter" - Video File**
Studies of Jupiter's magnetosphere by Cassini and other spacecraft as reported in Nature papers. Animations show how Cassini mapped radiation belts around Jupiter.
Audience: News Resource Site: JPL
Client: Guy Webster
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/26/2002 - 0:10:20 Producer: Semerano

AVC-2002-038-1/3 **NASA's Posture Hearing on the FY 2003 Budget**
On Wednesday, February 27, NASA Administrator Sean O'Keefe appeared before the House Committee on Science, NASA Posture Hearing on the FY 2003 Budget. The hearing marked Mr. O'Keefe's first appearance before the House Committee as the NASA Administrator
Audience: Gen. News Resource
Client: McGregor
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/28/2002 - 1:00:00 Producer: NASA TV

AVC-2002-038-2/3 **NASA's Posture Hearing on the FY 2003 Budget**
On Wednesday, February 27, NASA Administrator Sean O'Keefe appeared before the House Committee on Science, NASA Posture Hearing on the FY 2003 Budget. The hearing marked Mr. O'Keefe's first appearance before the House Committee as the NASA Administrator
Audience: Gen. News
Client: McGregor
Master: BCAMsp

Audio 1: Mono mix 2: Mono mix
02/28/2002 - 1:00:00 Producer: NASA TV

AVC-2002-038-3/3 **NASA's Posture Hearing on the FY 2003 Budget**
On Wednesday, February 27, NASA Administrator Sean O'Keefe appeared before the House Committee on Science, NASA Posture Hearing on the FY 2003 Budget. The hearing marked Mr. O'Keefe's first appearance before the House Committee as the NASA Administrator
Audience: Gen. News
Client: McGregor
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
02/28/2002 - 0:10:00 Producer: NASA TV

AVC-2002-040-1/1 **Mars Odyssey: Mapping Begins -- Press Briefing**
Press Briefing followed by graphics & video roll-ins. Michael Meyer, Steve Saunders, Phil Christensen, Bill Boynton, Frank Cucinotta, Roger Gibbs.
00:36:47:00 - 00:41:05:00 = Graphics & video
NOTE: First minute of briefing is missing.
Audience: News Resource
Client:
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/01/2002 - 0:40:05 Producer: Beck/Kline

AVC-2002-041-1/1 **"Jupiter's Radiation Belts" - Web Production**
Dr. Scott Bolton, JPL physicist, narrates a web production highlighting Cassini's latest discoveries about Jupiter's radiation belts.
Audience: Gen. JPL NASA News
Client: Guy Webster
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/05/2002 - 0:01:28 Producer: Semerano

AVC-2002-044-1/1 **GRACE Pre-Launch Press Conference**
Panel:
Dr. Ghassem R. Asar, Associate Administrator for Earth Sciences;
Dr. Byron Tapley, Grace Principle Investigator;
Dr. Michael Watkins, Grace Project Scientist, JPL;
Mr. Rolf Huber, German Aerospace Center;
Dr. John L. LaBrecque, Mgr. Solid Earth & Natural Hazards Program.

Audience: News Resource Site: NASA HQ
Client: Alan Buis/MRO 1, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/07/2002 - 0:48:30 Producer: NASA HQ

AVC-2002-046-1/1 **von Kármán Lecture Series - "Autonomous Navigation for Urban Robots"**
VTV-930
Robert Hogg discusses mobile robots and demonstrates how JPL-built "Urbie" can travel on level surfaces, over curbs, up and down stairs, and over rubble using an autonomous navigation system that can avoid obstacles, along the way.
Audience: Gen. Edu. JPL Site: von Kármán Aud.
Client: Office Of Communication
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/12/2002 - 1:07:43 Producer: Savona

AVC-2002-049-1/1 **Grace - Video File**
ITEM 3-Amazing Grace: The best look yet at Earth's invisible gravity field-GSFC
Gravity-It's the unseen hand that roots humanity firmly to the ground and helps control the motion of the oceans. It's a force of nature like no other, working to pull two masses together. Just like the life it plants on the surface of the Earth, gravity is ever changing. When mass moves within the planet's atmosphere, ocean , land, or frozen surface (cryosphere), the gravity field moves as well. NASA's gravity recovery and climate experiment (Grace), launching in March 2002, will give scientists around the globe the most accurate look yet at the face of gravity and how it shapes our world.
Audience: News Resource Site: GSFC
Client: Xaviant Ford, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/19/2002 - 0:17:00 Producer: GSFC

AVC-2002-050-1/1 **Building Better Airbags - Web Video**
Mini-documentary about airbag testing at Plumbrook Lab.
Audience: JPL Resource
Client: Christine Johnson
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
03/21/2002 - 0:02:02 Producer: Beck/Kline

AVC-2002-052-1/1 **Sally Ride's Science Festival - Video File**
This community science festival was designed to encourage middle school girls to pursue their interests in science and math. B-roll and interviews with Dr. Ride and Dr. Andrea Donnellan, Geophysicist and Deputy Manager, Earth and Space Sciences, JPL.
Audience: News Resource
Client: Sharkey/Martinez
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/27/2002 - 0:06:09 Producer: Kline

AVC-2002-054-1/1 **Asteroid 1950 DA - Video File**
On March 16, 2880, asteroid 1950 DA will have a potential close encounter with Earth, which will most likely be a miss. Includes: radar images of rotating asteroid, still of trajectory, still of color radar image, and interview with Jon Giorgini, JPL senior engineer.
Audience: News Resource
Client: Heil
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/02/2002 - 0:09:33 Producer: Kline

AVC-2002-055-1/1 **Asteroid 1950 DA and its Encounter with Earth in A.D. 2880**
Animations of statistical encounter of 1950 DA with the Earth in A.D. 2880, along with Arecibo radar movie from March 4, 2001 and descriptive text.
Audience: JPL Resource Site: JPL
Client: Jon Giorgini
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/05/2002 - 0:07:00 Producer: SSV

AVC-2002-057-1/1 **NASA Administrator Sean O'Keefe Outlines Agency's Future**
VTV-932
In his first major policy address since being sworn in as NASA Administrator in late 2001, Sean O'Keefe outlines the future direction of the space agency at Maxwell School of Syracuse University.
Q&A followed address.
Audience: Tech. NASA Site: Syracuse Univ.
Client: NASA HQ, Org. 1820
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/12/2002 - 1:18:45 Producer: Borst

AVC-2002-058-1/1 **FIRST Robotics Southern California Regional Competition - Video File**
The competition took place April 4-6, 2002, at the Los Angeles Memorial Sports arena with sixty teams, comprised of high-school students and mentors. NASA and JPL sponsored over 35 of the teams. Volunteers from JPL served as team mentors.
Audience: NASA
Client: Sharkey
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/11/2002 - 0:12:00 Producer: Kline

AVC-2002-060-1/1 **NASA's Role in Studying the Ocean From Space - Video File**
Dr. W. Timothy Liu, QuickSCAT Project Scientist, Dr. William C. Patzert, JPL Oceanographer, and Dr. Michael M. Watkins, JPL GRACE Project Scientist, explain how GRACE, Jason 1, and Topex/Poseidon missions improve our knowledge of climate and weather forecasting.
Audience: Gen. Edu. NASA News Resource
Client: Buis
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/11/2002 - 0:10:47 Producer: Kline

AVC-2002-066-1/1 **von Kármán Lecture Series - "The Changing Ozone Layer"**
VTV-934
Ross Salawitch discusses the steady erosion of the protective ozone layer during the past decades, is associated with emissions of industrially produced CFC's. Recently, scientists have found that subtle changes in Earth's climate may also play a role in ozone depletion.
Audience: Gen. Site: von Kármán
Client: Communication & Ed., Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/18/2002 - 1:08:54 Producer: Savona

AVC-2002-067-1/1 **Aqua Satellite Pre-Launch Press Briefing from NASA-HQ**
Briefing from HQ concerning Aqua mission launching from Vandenberg AFB. Panelists; Dr. Ghassem Asrar, Assoc. Admin. Earth Sciences NASA; Phil Sabelhaus Aqua Proj. Man. GSFC; Claire Parkinson Aqua Proj. Scientist GSFC.
The primary role of Aqua which will launch from Vandenberg AFB is to gather info about water in the Earth's system. Aqua will collect data on global precipitation, evaporation and the cycling of water.

Audience: Gen. News Site: NASA HQ
Client: Alan Buis
Master: sVHS
Audio 1: Mono mix 2: Mono mix
04/22/2002 - 0:48:00 Producer: NASA HQ

AVC-2002-068-1/1 **NASA Earth Day Webcast: Any More Earths Out There?**
NASA scientists discuss how the search for another Earth outside our solar system might help us learn more about our own past and future. Dr. Rolf Danner, Dr. Rachel Akeson, Dr. Karl R. Stapelfeldt, Dr. Victoria Meadows and host Randii Wessen.
Audience: Gen. Edu. JPL Site: T.V. Studio
Client: Randal Jackson
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/22/2002 - 1:03:04 Producer: Greg Parrillo

AVC-2002-070-1/1 **Space Science Update: Clockwork Stars and the Age of the Universe**
Pushing the limits of its powerful vision, NASA's Hubble Space Telescope has uncovered the oldest burned-out stars in our Milky Way Galaxy. These extremely old, dim stars provide a completely independent reading of the universe's age without relying on measurements of the universe's expansion. The ancient white dwarf stars, as seen by Hubble, turn out to be 12 to 13 billion years old. Because earlier Hubble observations show that the first stars formed less than 1 billion years after the universe's birth in the big bang, finding the oldest stars puts astronomers well within arm's reach of calculating the absolute age of the universe.
Audience: Tech. NASA News
Client: Jane Platt, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/24/2002 - 0:36:00 Producer: NASA HQ

AVC-2002-071-1/1 **Earth Imaging from Space**
Ten animated movies of Earth based on data from Spaceborne Imaging Radar, Topex, Microwave Limb Sounder, Shuttle Radar Topography Mission, Scatterometer, GRACE and ASTER.
Audience: Gen. Resource
Client:
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/29/2002 - 0:05:07 Producer: Semerano

AVC-2002-073-1/1
VTV-939

Journey to the Planets and Beyond for the Air & Space Presentation
This high definition program celebrates 40 years of interplanetary space exploration. JPL project members tell the following stories: Why We Explore the Planets, The Third Rock, Rough Guide to Mars, The Big Spacecraft That Could, Lord of the Rings, Rocks & Ice and Beyond the Planets.
Audience: Gen. JPL
Client: Dr. Charles Elachi
Master: D-BCAM Submaster: D-BCAM
Audio 1: Stereo 2: Stereo
16:9 HD format 1080i/30
05/06/2002 - 0:20:10 Producer: Baggett/Savona

AVC-2002-074-1/1
VTV-936

Director's Topical Seminar - "Looking for Life in Unlikely Places"
Dr. Freeman Dyson talks about a new method of searching for extraterrestrial life adapted to cold environments far from the sun. Any living vegetation will be seen as a bright patch in strong contrast to its dark surroundings, like the eyes of nocturnal animals in car headlights.
Audience: Gen. JPL Site: von Kármán Aud.
Client: Dr. Prince, Org. 1000
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/06/2002 - 1:05:21 Producer: Savona

AVC-2002-075-1/1
VTV-938

40th Anniversary Celebration at National Air & Space Museum
Festivities held at National Air & Space Museum on May 7 for the 40th Anniversary of Mariner 2, the beginning of robotic interplanetary missions. Participants include Ed Weiler, NASA Associate Administrator for Space Science; Former Directors of JPL: Dr. William Pickering, Dr. Bruce Murray, Gen. Lew Allen (by videotape) and Dr. Ed Stone; Tom Young Mission Director, Viking Project; Charles Elachi, current Director of JPL; Rep. David Drier, R-California; Rep. Adam Schiff, D-California; Donald Lopez, Director, National Air & Space Museum; Sean O'Keefe, NASA Administrator.
Production of "Journey to the Planets" (AVC-2002-073) is at end of festivities.
Audience: Gen. Site: NASA HQ
Client: Baggett, Org. 1800
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/07/2002 - 1:09:00 Producer: NASA HQ

AVC-2002-076-1/1 **von Kármán Lecture Series - "The Odyssey to Mars"**
VTV-937
The talk describes how Odyssey is unveiling mysteries of Mars' mineral and elemental composition, and how Odyssey fits into the broader Mars Exploration Program objective to "follow the water", seeking to determine if life ever arose on Mars.
Audience: Gen. Site: von Kármán Aud.
Client: Communication & Ed., Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/09/2002 - 1:23:15 Producer: Savona

AVC-2002-081-1/1 **The Launch of Grace -- March 18, 2002**
Compilation tape:
1. Footage of the Grace launch.
2. Diagrams showing the separation of the two Grace spacecraft from the Breeze upper stage.
3. An animation of that separation.
4. FGAN radar imagery of the separation.
5. An animation of the two spacecraft in their tandem orbit.
Audience: Resource
Client: M. Srinivasan
Master: DVCProHD Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/21/2002 - 0:02:33 Producer: Kline

AVC-2002-082-1/1 **Mars has Layered Look/Water Ice in Odyssey Images - Video File**
Animation showing simulated flight over part of Valles Marineris, a large canyon system on Mars. Next are Infrared images of the regions Terra Meridiani and Candor Chasma followed by Mars Odyssey Spacecraft Gamma Ray Spectrometer and Martian hydrogen abundance animation.
Audience: Gen. News
Client: NASA HQ
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/25/2002 - 0:07:20 Producer: Beck/Webster

AVC-2002-083-1/1 **Web Productions for JPL Timeline - 1 (Surveyor Program)**
Ten web productions from two to three minutes in length about the Surveyor spacecraft that were successful in reaching the moon including the launches of Surveyors One, Three, Five, Six and Seven and their subsequent soft landings on the moon.
00:07:25 Surveyor 1 Launches
00:10:10 Surveyor 1 1st Soft Landing on the Moon

00:24:01 Surveyor 3 Launches
00:22:01 Surveyor 3 Lands on the Moon
00:02:36 Surveyor 5 Launches
00:13:01 Surveyor 5 Lands on the Moon
00:01:11 Surveyor 6 Launches
00:16:10 Surveyor 6 Lands on the Moon
00:04:52 Surveyor 7 Launches
00:19:03 Surveyor 7 Lands on the Moon
Audience: Gen. Resource
Client: Henry Kline
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/30/2002 - 0:25:00 Producer: Semerano

AVC-2002-085-1/1 **Weighing Earth and Its Oceans - GRACE**
An Edited production on the Gravity Recovery Climate Experiment (GRACE).
Audience: Gen. Edu. Resource
Client: GSFC/NASA TV
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/03/2002 - 0:15:15 Producer: Jim Lynch & assoc.

AVC-2002-091-1/1 **Countour (Comet Nucleus Tour) Mission Science Briefing**
A discussion about the mission to Comets Enke and Schwassmann-Wachmann-3
Participants:
Dr. Colleen Hartman, NASA HQ;
Dr. Joseph Veverka, Cornell University;
Dr. Don Yeomans, JPL;
Mary Chiu, John Hopkins University;
Dr. Robert Farquhar, John Hopkins University.
Audience: Gen. News Resource Site: NASA-HQ
Client: MRO-Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/12/2002 - 0:58:00 Producer: NASA HQ

AVC-2002-092-1/1 **Space Science Update-Solar System Similar to Ours Discovered**
Announcing discovery of new planets around other stars in our galaxy. Cancer constellation.
Participants:
Dr. Anne Kinney, NASA HQ;
Dr. Geoffrey Marcy, UC Berkley;
Dr. R. Paul Butler, Institute of Washington;

Dr. Alycia Weinberger, Carnegie;
Dr. David Spergel, Princeton.
Audience: NASA News Resource Site: NASA HQ
Client: MRO-Jane Platt, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/13/2002 - 0:57:06 Producer: NASA HQ

AVC-2002-096-1/1
VTV-941

Comets, Asteroids and the Interplanetary Shooting Gallery
-- von Kármán Lecture Series --
Dr. Donald Yeomans describe how comets and asteroids brought building blocks of life to an early Earth, and later caused worldwide extinctions, and steps now being taken to ensure that a future asteroid or comet will not affect evolution.
A presentation of the Office of Communications and Education.
Audience: Gen. Site: von Kármán Aud
Client: Communication & Ed., Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/20/2002 - 1:14:47 Producer: Savona

AVC-2002-100-1/1

Binary Black Holes - Web Spotlight
Web video featuring animation illustrating properties of binary black holes.
Audience: Gen. Edu. News Resource
Client: Platt
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/14/2002 - 0:01:17 Producer: Semerano/Kline

AVC-2002-102-1/1

SRTM Begins Release of International Data - Video File
NASA and the National Imagery and Mapping Agency are beginning the release of international topography data collected from around the world by the Shuttle Radar Topography Mission. Applications include earthquake and volcano studies, communication, aviation safety, land use planning.
Audience: Gen. News Resource
Client: NASA TV/Sullivant
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
2:00 Web Production follows the Video File
06/28/2002 - 0:29:27 Producer: Savona

AVC-2002-103-1/1 **Aerogel - World's Lightest Solid - Video File**
Aerogel is a silicon-based solid form. A thousand times less dense than glass. NASA's Stardust mission will use aerogel to encapsulate interstellar and comet dust particles and bring samples back to Earth in 2006.
Audience: Gen. News Resource
Client: NASA TV/Heil
Master:
Audio 1: Mono mix 2: Mono mix
07/08/2002 - 0:14:33 Producer: Semerano

AVC-2002-104-1/1 **Contour Launch**
Satellite Downlink
Launch at 47:00 Min.
Audience: NASA News Resource Site: KSC
Client: NASA HQ
Master: sVHS
Audio 1: Mono mix 2: Mono mix
07/02/2002 - 2:00:00 Producer: NASA HQ

AVC-2002-106-1/1 **Journey to the Planets -- in 7 self-contained segments**
GGSegmented version of "Journey to the Planets": 40 years of interplanetary space exploration. JPL project members tell the following stories: Why We Explore the Planets, The Third Rock, Rough Guide to Mars, The Big Spacecraft That Could, Lord of the Rings, Rocks & Ice and Beyond the Planets.
7 segments, each w/ opening title & closing logo.
"1962"
"The Third Rock"
"Rough Guide to Mars"
"The Big Spacecraft that Could"
"Lord of the Rings"
"Rocks and Ice"
"Beyond the Planets"
Audience: JPL
Client: Watanabe
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/15/2002 - 0:21:46 Producer: Kline/Baggett

AVC-2002-112-1/1 **Voyager's 25th Anniversary**
VTV-948
Voyager team members reminisce over the Voyager 1 and 2 accomplishments on their mission to Jupiter, Saturn, Neptune, Uranus and beyond. Team members: Bud Schurmeier, Bob Parks, Tom Gavin, Chris Jones, Rich Terrile, Ed Stone, Linda Spiker, Eric De Jong, Bruce Murray & William

Burroughs.
Audience: Gen.
Client: , Org. 1800
Master: HDCam Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
08/08/2002 - 0:09:29 Producer: Baggett/Kline

AVC-2002-113-1/1 **von Kármán Lecture Series - "Jupiter's Moon Io"**
VTV-943 Dr. Rosaly Lopes-Gautier discusses Galileo's unprecedented results of Jupiter's moon Io. It is the only place outside Earth where active volcanoes are rampant. Some of the most exciting discoveries from the Galileo mission to Jupiter have been about Io's volcanoes.
Audience: Gen. Site: von Kármán Aud.
Client: Communication & Ed., Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/18/2002 - 1:22:10 Producer: Savona

AVC-2002-114-1/1 **Mars Exploration Rover MER 2003 Animation (with sound effects)**
VTV-955 Pre-launch animation showing 2003 MER mission from launch to entry, descent and landing.
Created by Dan Maas.
Audience: Tech. Resource
Client: Mars Outreach
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/2002 - 0:07:20 Producer: Squyres

AVC-2002-116-1/1 **Pathfinder 5th Anniversary Web Video**
Short web video reflecting on the Mars Pathfinder Mission, including new interviews with Brian Muirhead, Rob Manning and Tom Rivellini.
Audience: Gen.
Client: Mars Project Office
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/31/2002 - 0:02:48 Producer: John Beck

AVC-2002-118-1/1 **AIRS/Aqua "Thermometer in the Sky" - Video File**
1
Audience: Gen. News Resource
Client: NASA TV/Buis
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/05/2002 - 0:32:14 Producer: Savona

AVC-2002-121-1/1 **TOPEX/Poseidon "Watching for the Next El Nino" - Video File**
Over the past decade, TOPEX/Poseidon has continuously mapped global ocean surface topography, leading to a fundamental new understanding of the dynamics of ocean circulation that affects climate change.
Audience: Gen. NASA News Resource
Client: NASA TV/Buis
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/09/2002 - 0:20:30 Producer: Savona

AVC-2002-122-1/1 **California from Space**
California as seen through JPL's spacecraft imaging. Narrated by Michael Kobrick, Michael Abrams, Lee-Leung Fu and David Diner.
Audience: Gen.
Client: Baggett
Master: DVCPro50 Submaster: BCAMsp
Audio 1: Left 2: Right
08/13/2002 - 0:04:25 Producer: Kline

AVC-2002-124-1/1 **Voyager Continues Where None Have Gone Before - Video File**
Twenty-five years after its two identical spacecraft launched, NASA's Voyager mission continues to examine previously unexplored reaches of the solar system. The two have made many discoveries, such as volcanoes on Jupiter's moon Io, spoke-like features in Saturn's rings.
Audience: Gen. News Resource
Client: NASA TV/Webster
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/15/2002 - 0:27:02 Producer: Savona

AVC-2002-125-1/1 **FIDO Field Test -- Video File**
In a 10-day blind test scientists at JPL controlled the Field Integrated Design Operations (FIDO) testbed, similar in size and capability to the Mars Exploration Rovers (MER). FIDO was at an undisclosed location during the test. Includes interviews with Steve Squyres and John Callas.
Audience: NASA
Client: Hardin
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/15/2002 - 0:11:07 Producer: Kline

AVC-2002-126-1/1 **AQUA Launch**
Aqua, NASA's latest Earth observing satellite, carrying the NASA Jet Propulsion Laboratory-managed Atmospheric Infrared Sounder instrument, launches from the Western Test Range of Vandenberg Air Force Base, California, aboard a Delta II rocket.
Audience: Tech. JPL News Site: Vandenberg,CA
Client: Alan Buis, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/04/2002 - 0:58:50

AVC-2002-127-1/1 **AQUA Video File**
Mission animation package illustrating the mission objectives of the Aqua spacecraft. This package also includes animations of the six science instruments flying aboard Aqua: MODIS,CERES,AMSR-E,HSB,AMSU, and AIRS and describes the objectives of each instrument.
Audience: Tech. JPL
Client: Buis/ MRO, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/04/2002 - 0:41:00 Producer: NASA Goddard

AVC-2002-128-1/1 **AQUA Launch - Video File**
Coverage of the Aqua Mission begins at T-40 seconds through second stage separation.
Launch stills included.
Audience: Tech. JPL
Client: Xaviant Ford, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
05/07/2002 - 0:06:20

AVC-2002-132-1/1 **TOPEX/Poseidon's 10th Anniversary Presentations**
VTV-946 This presentation celebrates 10 years of studies.
TOPEX/Poseidon satellite measures sea level every 10 days.
Among other science findings, TOPEX/Poseidon has provided a unique view of the El Nino phenomenon of the late 1990s, an unusual water warming in the eastern Pacific Ocean.
Audience: JPL Site: von Kármán Aud
Client: Annie Richardson
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/16/2002 - 1:04:08 Producer: Savona

AVC-2002-133-1/1
VTV-948

von Kármán Lecture Series - "Journey to the Planets and Beyond"
Blaine Baggett, JPL's Executive Manager of Communications and Education (and national Emmy award winning TV producer) is your tour guide through the illustrative achievements of the Jet Propulsion Laboratory as the year-long celebration of 40 years of planetary exploration continues.
Audience: Gen. JPL Site: von Kármán aud
Client: Kim Johanson
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/22/2002 - 1:10:23 Producer: Greg Parrillo

AVC-2002-136-1/1
VTV-949

Voyager 25th Anniversary Celebration Panel Discussion
Voyager 25th Anniversary Celebration - Panel Discussion. Panel consisted of: Bud Schurmeier, Ray Heacock, Charley Kohlhase, Ellis Miner, George Textor, Ed Stone and Dave Linick.
Audience: JPL NASA Resource Site: von Kármán aud
Client: Andrea Angrum
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/05/2002 - 1:22:50 Producer: Greg Parrillo

AVC-2002-137-1/1
VTV-950

von Kármán Lecture Series - Voyager Exploration of the Solar System
Dr. Ed Stone, retired JPL Director, discusses the extraordinary mission of Voyager. Launched in 1977, the twin Voyagers' exploration of Jupiter, Saturn, Uranus, and Neptune revealed distinctive worlds with many surprises. Voyager still continues to explore the Outer Solar system.
Audience: JPL NASA Resource Site: von Kármán aud
Client: Andrea Angrum
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/05/2002 - 1:09:51 Producer: Greg Parrillo

AVC-2002-140-1/1

Mars Student Imaging Project - v 1.0
High-school students at NASA/JPL/Arizona State University's "Mars Student Imaging Project" express their feelings about actually exploring Mars. Also: comments from Dr. Phil Christensen & Greg Mehall (THEMIS), Sheri Klug, director of ASU Mars Ed.Pgm, and ASU Asst. Dir. Keith Watt.
Audience: NASA
Client: Baggett/Kulczycki
Master: BCAMsp Submaster: BCAMsp

Audio 1: Mono mix 2: Mono mix
09/09/2002 - 0:03:22 Producer: Beck

AVC-2002-142-1/1 **Mars Student Imaging Project - v 2.0 - Web video**
High-school students at NASA/JPL/Arizona State University's "Mars Student Imaging Project" express their feelings about actually exploring Mars. Also: comments from Dr. Phil Christensen & Greg Mehall (THEMIS), and Sheri Klug, director of Arizona State University Mars Education Program.
Audience: Gen.
Client: S. Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/11/2002 - 0:01:00 Producer: Kline

AVC-2002-144-1/1 **Celebrating Hispanics at NASA - Video File (In English)**
To celebrate National Hispanic Heritage Month NASA is communicating the contributions of Hispanics at NASA. Interviewed are, Victor Zlotnicki, Alberto Behar, Luisa Rebull and Ruth Fragoso.
Audience: Gen. JPL NASA News
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/20/2002 - 0:20:54 Producer: Semerano

AVC-2002-145-1/1 **Celebrating Hispanics at NASA - Video File (In Spanish)**
To celebrate National Hispanic Heritage Month NASA is communicating the contributions of Hispanics at NASA. Interviewed are, Victor Zlotnicki, Alberto Behar and Ruth Fragoso.
Audience: Gen. JPL NASA News
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/20/2002 - 0:21:31 Producer: Martinez/Semerano

AVC-2002-146-1/1 **von Kármán Lecture Series - "A Unified View of the Universe"**
VTV-951 Art and physics might seem like polar opposites, but the two fields have a long history of complementing one another. Dr. Lute Maleki discusses how various developments in arts have contributed to the field of physics.
Audience: JPL Site: von Kármán aud
Client: Kim Johanson
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

09/19/2002 - 1:04:20 Producer: Greg Parrillo

AVC-2002-148-1/1 **Apollo-Era Hardware Recaptured into Earth Orbit - Video File**
Scientists at NASA's Jet Propulsion Laboratory have confirmed the first known capture of any object into Earth orbit from a Sun-centered orbit. They have identified the object, named J002E3, as most likely the lost third stage of the rocket that carried Apollo 12 astronauts to the Moon.
Audience: News Resource
Client: NASA TV/Webster
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/23/2002 - 0:09:47 Producer: Savona

AVC-2002-149-1/2 **Visions of Exploration**
VTV-953 NASA hosted the first symposium to unveil the agency's future adventures in exploration to Hollywood's most influential filmmakers. Astronauts, scientists and aerospace engineers presented NASA's long-range plans to advance the frontiers of flight, space and knowledge.
Audience: Gen. Tech. Site: von Kármán Aud
Client: Stephen Kulczycki, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/24/2002 - 1:17:10 Producer: Greg Parrillo

AVC-2002-149-2/2 **Visions of Exploration**
VTV-953 NASA hosted the first symposium to unveil the agency's future adventures in exploration to Hollywood's most influential filmmakers. Astronauts, scientists and aerospace engineers presented NASA's long-range plans to advance the frontiers of flight, space and knowledge.
Audience: Gen. Tech. JPL Site: von Kármán Aud
Client: Stephen Kulczycki, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/24/2002 - 1:58:16 Producer: Greg Parrillo

AVC-2002-150-1/1 **Web Productions for JPL Timeline - 2**
Mariner 2 Launches
First Flyby of Another Planet
Mariner 4 Launches
Comet Borrelly Flyby
Genesis Launches
Doubleteam at Jupiter
First Asteroid Moon Discovered

Astronauts Repair Hubble Camera
Galileo at Jupiter
Imaging Radar Flies Again (SIR-C)
Voyager 1 Sets Distance Record
Deep Space 1 Launches
All Sky Survey Begins
Audience: Gen. Resource
Client: Watanabe
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/26/2002 - 0:29:00 Producer: Semerano

AVC-2002-151-1/1 **Web Productions for JPL Timeline - 3**
01:00:00 Ranger 7 Launches
01:01:10 Ranger 7 Impacts Moon
01:02:20 Ranger 8 Launches
01:02:40 Ranger 8 Impacts Moon
01:04:10 Ranger 9 Launches
01:04:40 Ranger 9 Impacts Moon
01:06:10 Voyager 1 Launches
01:07:40 Voyager 2 Launches
01:09:10 Voyager 1 Flies by Jupiter
01:12:20 Voyager 2 Flies by Jupiter
01:15:30 Voyager 1 at Saturn
01:18:30 Voyager 2 at Saturn
01:21:30 Voyager 2: First Spacecraft at Uranus
01:23:20 Voyager 2: First Spacecraft at Neptune
01:26:40 Mariner 4 Launches
01:28:00 First Flyby of Another Planet
01:29:10 Mars Pathfinder Launches
01:30:30 Viking 1: 1st Spacecraft on Mars
01:31:50 Viking 2 on Mars (no supers)
01:32:45 Viking 1: 1st S'craft on Mars (w/supers)
01:34:30 Viking 2 on Mars (w/supers)
01:35:10 Shuttle Imaging Radar-A Launches
01:37:00 Shuttle Imaging Radar-B Launches
01:39:10 Solar Mesosphere Explorer Launches
01:41:00 Infrared Astronomical Satellite Launches
Audience: Gen. Resource
Client: Watanabe
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/27/2002 - 0:42:19 Producer: Kline

AVC-2002-152-1/1 **What's Shakin' with the Northridge Fault - Video File**
Results of a recent NASA study on the magnitude 6.7

Northridge earthquake of January 17, 1994 have yielded some geologic surprises. A team of geophysicists from the Jet Propulsion Laboratory, Pasadena, Calif., analyzed data taken from global positioning system (GPS).
Audience: Edu. News Resource
Client: NASA TV/Buis
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/26/2002 - 0:17:55 Producer: Savona

AVC-2002-153-1/1 **NASA First Person - Art Chmielewski - Web Production**
The work, experiences and personal observations of JPL employee Art Chmielewski as told by him. Produced for the Daily Planet and the JPL home page.
Audience: Gen.
Client: McGahan
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/29/2002 - 0:02:48 Producer: Semerano

AVC-2002-163-1/1 **von Kármán Lecture Series - A Billion Suns: the Lives/Deaths of Stars**
VTV-956 Dr. Michelle Thaller, JPL Astronomer, SIRTF Project, discusses the evolution of a star from birth to death. She also looks at how the Infrared telescope is used in astronomy research.
Audience: JPL Site: von Kármán aud
Client: Kim Johanson
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/17/2002 - 1:45:39 Producer: Greg Parrillo

AVC-2002-164-1/1 **Anthrax Smoke Detector - Video File & Web Production**
Researchers at NASA's Jet Propulsion Laboratory have demonstrated a prototype device that automatically and continuously monitors the air for the presence of bacterial spores, such as those of anthrax. Video File is 9:35 followed by the Web Production at 1:35.
Audience: Gen. Edu. News Resource
Client: NASA TV/Martinez
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/18/2002 - 0:11:30 Producer: Semerano

AVC-2002-166-1/1 **SRTM World Series Zoom-in from Space**
Animation zooms from whole earth into stadium.
Animation by Mike Kobrick.

Audience: JPL NASA
Client: Buis
Master:
Audio 1: MOS 2: MOS
10/18/2002 - 0:00:51 Producer: Kline

AVC-2002-167-1/1 **Lifting Central America's Cloudy Veil - Video File**
NASA's Jet Propulsion Laboratory in Pasadena, Calif., has completed the first comprehensive, high-resolution topographic map of Central America, using data collected during the February 2000 Shuttle Radar Topography Mission.
Audience: Gen. Edu. NASA News Resource
Client: NASA TV/Buis
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/22/2002 - 0:14:28 Producer: Savona

AVC-2002-170-1/1 **Durable Galileo Nears Its Last Flyby - Video File**
Before starting its 35th and final orbit around Jupiter, NASA's Galileo spacecraft will visit three intriguing features of the giant planet's neighborhood for the very first time: a small moon named Amalthea, a dusty "gossamer" ring and the inner region of Jupiter's magnetic environment.
Audience: Gen. Edu. NASA News Resource
Client: NASA TV/Webster
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/28/2002 - 0:14:28 Producer: Savona

AVC-2002-173-1/1 **NASA First Person - Michelle Thaller - Web Production**
The work, experiences and personal observations of JPL employee Michelle Thaller as told by her. Produced for the Daily Planet and the JPL home page.
Audience: Gen. JPL Site: JPL
Client: McGahan
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/12/2002 - 0:02:48 Producer: Semerano

AVC-2002-174-1/1 **Odyssey Science Webcast - Nov. 14, 2002**
VTV-959
Mars Odyssey principal investigators and scientists answer questions from museums, e-mail and a live audience of students and JPLers about discoveries at Mars.
Panel: Dr. Phil Christensen, Bill Boynton & Cary Zeitlin.
Host: Stephenie Lievense.
Audience: Gen. Edu. JPL Site: von Kármán aud

Client: Christine Johnson
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/14/2002 - 1:45:00 Producer: Greg Parrillo

AVC-2002-177-1/1

SeaWinds Instrument on ADEOS 2 Pre-Launch - Video File
NASA's SeaWinds scatterometer instrument launches on a Japanese H-IIA launch vehicle from Japan. The SeaWinds instrument is a microwave radar that measures surface wind speed and direction over 90 percent of Earth's ice-free global oceans every day.
Audience: Gen. Tech. NASA News Resource
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/22/2002 - 0:24:26 Producer: Savona

AVC-2002-178-1/1 **SIRTF Animations - 2D**
:17 Orion in infrared
:28 Cryo chamber size modification
:16 Telescope cooldown
:42 Light path into telescope
:17 Light path into MIC (Multiple Instrument Chamber)
Audience: Resource
Client: Platt
Master: DVCPro50
Audio 1: MOS 2: MOS
11/20/2002 - 0:02:00 Producer: Kline

AVC-2002-181-1/1 **von Kármán Lecture Series - Rise of the Machines**
VTV-961 Dr. Richard Terrile, JPL Mars Scout Program Scientist, discusses an overview of the current & future plans for exploring our solar system with robotic spacecraft.
Audience: Edu. Tech. JPL Site: von Kármán aud
Client: Kim Johanson
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/21/2002 - 1:05:30 Producer: Greg Parrillo

AVC-2002-182-1/1 **Earth & Space Science Briefing - Upcoming Earth and Space Missions**
Briefing covers upcoming Adeos 2 launch with Seawinds payload and CHIPSat (Cosmic Hot Interstellar Plasma Spectrometer) and ICESat (Ice, Cloud and Land Elevation) spacecraft launching from Tangeshima Japan.

Presenters:
Dr. Ghassem Asrar, Associate Administrator for
Earth Science, NASA;
Dr. Anne Kinney, NASA Space Science;
Dr. Mark Hurwitz, CHIPSat Principal Investigator,
UC Berkeley;
Dr. Jay Zwally, ICESat Project Scientist, NASA Goddard;
Dr. Moshe Pniel, Seawinds Project Manager JPL.
Q & A follows.
Audience: NASA News Site: NASA HQ
Client: MRO
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/26/2002 - 1:00:40

AVC-2002-183-1/1 **Spider-bot Video File & Web Production**
JPL researchers have spun a micro robot reminiscent of the
favorite childhood character "Charlotte" in Charlotte's Web.
Dubbed "Spider-bot," for its resemblance to spiders.
Spider-bot could one day chart the terrain on other planets
and comets, asteroids or the moon.
Audience: Gen. NASA News Resource
Client: NASA/TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/04/2002 - 0:14:06 Producer: Savona

AVC-2002-186-1/1 **Mars Exploration Rover - Video File**
Mars Exploration Rover animation with sound effects followed
by b-roll of testing of parachute in wind tunnel, airbag
drop test, and test driving of flight rover. Kobie Boykins,
MER Rover Engineer describes flight rover test drive.
Audience: Gen. NASA News Resource
Client: NASA HQ
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/05/2002 - 0:21:30 Producer: Beck/Hardin

AVC-2002-187-1/1 **MER Rock Abrasion Tool (RAT) Testing**
The Mars Exploration Rover (MER) Rock Abrasion Tool (RAT)
Testing in 8/01, 10/01, and 4/02 at the Honeybee Robotics
Lab in New York City, NY.
Tape Number MER-2002-1001
Audience: Resource
Client:
Master: DV

Audio 1: Mono mix 2: Mono mix MER-2002-1001
07/29/2002 - 0:40:07 Producer: Passaniti

AVC-2002-188-1/1 **Taxi Cab Interview with Steve Squyres**
JPL's Steve Squyres talks about the Rock Abrasion Tool (RAT) testing at Honeybee Robotics Lab in New York City, his involvement with the Mars Exploration Rover (MER) Mission and himself in a taxi cab interview on his way to the airport.
Audience: Resource
Client:
Master: DV Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/07/2002 - 0:13:48 Producer: Passaniti

AVC-2002-189-1/1 **ATLO Lowering Rover onto Lander Base**
The MER #1 is lowered into the lander base petal in the SAF during the ATLO phase
Primary lift runs at %500 speed
Audience: Resource
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/05/2002 - 0:03:00 Producer: Passaniti

AVC-2002-190-1/1 **ALTO Lowering Rover onto Lander Base**
The MER #1 is lowered into the lander base petal in the SAF during the ATLO phase
Audience: Resource
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/05/2002 - 0:09:30

AVC-2002-192-1/1 **JPL's 5th Annual Invention Challenge - 2002**
This years' contest was the jelly bean toss. Each contestant needed to create a device that would launch fifty jelly beans into a target located five meters away. Twenty one schools and fourteen JPL groups competed.
Audience: Gen. Edu. Site: Outside of 180
Client: Paul Macneal
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/06/2002 - 1:43:00 Producer: Parrillo

AVC-2002-193-1/1 **Jason El Nino Update - Video File**

The first calibrated and validated image to be released to the public from NASA's Jason oceanography satellite, launched in December 2001, depicts the continued growth of the current El Nino condition.
Audience: Gen. Edu. NASA News Resource
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/10/2002 - 0:07:14 Producer: Savona

AVC-2002-195-1/1

Earth & Asteroid Play Orbital Game of Cat and Mouse - Video File
An international team of astronomers including a researcher from NASA's Jet Propulsion Laboratory in Pasadena, Calif., revealed that a 60-meter (197-foot) long asteroid traces an unusual horseshoe pattern relative to Earth, alternately leading and following our planet about the Sun.
Audience: Gen. Edu. NASA News Resource
Client: NASA TV/Agle
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/12/2002 - 0:12:22 Producer: Savona

AVC-2002-196-1/1
VTV-963

von Kármán Lecture Series - Robotic Exploration of Mars
Dr. Firouz Naderi, Solar System Exploration Program director and Mars Exploration Program Manager, for "The Mars Exploration of Mars" discusses further investigation of the planet is even more compelling & important with the recent detection of water ice beneath the Martian surface
Audience: JPL Site: von Kármán Aud
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/12/2002 - 1:19:00 Producer: Greg Parrillo

AVC-2002-197-1/1
VTV-964

Imagine Mars - Webcast
The hour-long interactive workshop Imagine Mars aired live on the web & on NASA TV. Educators, students, and hosts Stephenie Lievense along with Bill Nye The Science Guy, explore what a community might be like on Mars. Debbie Allen & her dance crew perform a special dance depicting Mars life.
Audience: Gen. Edu. Site: von Kármán Aud
Client: Stephenie Lievense
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix

12/13/2002 - 0:59:15 Producer: Greg Parrillo

AVC-2002-198-1/1 **Seawinds ADEOS-II Launch**
Pre-Launch and Launch footage of the JPL/NASA Seawinds Scatterometer Instrument. Launched from Japan.
Audience: JPL Resource Site: Japan
Client: Alan Buis, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/14/2002 - 1:03:00 Producer: Savona

AVC-2002-199-1/1

Web Productions for JPL Timeline - 4
Grace Twins Launch, Two Telescope System Works, Evidence of Water on Mars, Jason 1 Launches, Odyssey Orbits Mars, Mars Odyssey Launches.
Audience: Gen. Edu. Resource
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/18/2002 - 0:14:18 Producer: Semerano

AVC-2002-200-1/1 **NASA First Person - Alberto Behar - Web Production**
The work, experiences and personal observations of JPL employee Alberto Behar as told by him. Produced for the Daily Planet and the JPL home page.
Audience: Gen. JPL NASA
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/18/2002 - 0:02:48 Producer: Semerano

AVC-2003-001-1/1 **Mars Odyssey Launch First Year Anniversary**
Roger Gibbs, Odyssey mission manager gives an overview of the Odyssey mission to Mars.
Launch and spacecraft animations included.
Audience: Gen. Edu. JPL NASA News Resource
Client: Mars Outreach
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/06/2003 - 0:02:00 Producer: Beck

AVC-2003-002-1/1 **MER Rover Mobility Tests in Assembly Facility**
The (MER) Mars Exploration Rover #2 being tested at JPL's (SAF) Spacecraft Assembly Facility on 11/07/02 and 11/08/02. Additional footage of the (Marie Curie) Pathfinder Rover

together with the MER Rover.
Audience: Resource
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/17/2002 - 1:04:29 Producer: Cha

AVC-2003-007-1/1 **Jupiter Icy Moons Tour Animation**
Ninety second version with music no narration
Audience: Gen. News Resource
Client:
Master:
Audio 1: Mono mix 2: Mono mix
01/20/2003 - 0:01:30 Producer: Semerano

AVC-2003-014-1/1 **von Kármán Lecture Series: What's Shakin' in Space Quake Research?**
VTV-968 Dr. Andrea Donnellan, deputy manager of JPL's Earth and Space Sciences Division, discusses the subject of "Using Space Technology to Understand Earthquakes." Q & A followed.
Audience: Gen. Site: von Kármán Aud
Client: Cynthie Cuno
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/23/2003 - 0:52:34 Producer: Greg Parrillo

AVC-2003-017-1/1 **Icy Moons of Jupiter Presentation to Congress**
1st: 95 second version with narration and music
2nd: 95 second version with narration only
3rd: 95 second version with music only
4th: 95 second version with no sound
5th: 3 minutes and 13 seconds version of all animation sequence with no sound
Audience: Gen. NASA News
Client: Burdick/Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/28/2003 - 0:10:41 Producer: Semerano/Savona

AVC-2003-019-1/1 **Canyon City Animation-Dr. Charley Kohlhase**
Long-time mission manager Charley Kohlhase dreams of humans exploring Mars someday, in his animation which follows a flight over "Canyon City", an imagined community on Mars in the year 2130. The 20-second animation is looped three times.
Audience: Gen. JPL Site: JPL

Client: Kohlhase
Master: BCAMsp
Audio 1: Silent 2: Silent
01/29/2003 - 0:01:38 Producer: Kohlhase

AVC-2003-020-1/1 **45th Anniversary of Explorer 1 -- Video File**
Historical footage from U.S. Army films documents the planning, launch and press conference of January 31-February 1, 1958.
Audience: Gen. News Resource
Client: Buis
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/29/2003 - 0:05:51 Producer: Kline

AVC-2003-021-1/1 **The Keys to the Stellar Kingdom**
Dr. Todd Henry, one of the principal investigators for the Space Interferometry Mission (SIM), talks about the questions SIM hopes to answer.
Audience: Gen.
Client: Randy Jackson
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/24/2003 - 0:01:33 Producer: Kline

AVC-2003-023-1/1 **Shuttle Program Manager-Chief Flight Director Briefing**
VTV-973 News Briefing from Johnson Space Center. Questions and Answers followed.
Audience: News
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/01/2003 - 1:40:00 Producer: JSC

AVC-2003-025-1/1 **Infrared: More Than Your Eyes Can See -- Web Video**
Dr. Michelle Thaller demonstrates how different things appear when viewed in infrared light vs. visible light.
This web video is derived from AVC-2000-057.
Audience: Gen. JPL
Client: S. Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/03/2003 - 0:02:18 Producer: Savona/Kline

AVC-2003-029-1/1 **JPL Earth Science for Diane Evans, El Paso, Texas Talk**
A list of the segments: Global views of El Nino from TOPEX

data; Hurricane season observed by QuikSCAT; Taal volcano from SIR-C flyover; SRTM launch and boom deployment; San Andreas flyover from SRTM data; Lost Hills animation from USGS/SRTM data and Etna animation
Audience: Gen. Edu. Resource
Client: Evans/Jasnow
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/07/2003 - 0:06:17 Producer: Savona

AVC-2003-030-1/1 **Mars Exploration Rover Assembly and Testing - Video File**
15 min. B-roll plus animation
Audience: JPL NASA News
Client: Hardin
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/08/2003 - 0:22:20 Producer: Beck/Hulme

AVC-2003-032-1/1 **Black History Month - Video File**
In celebration of Black History Month NASA's JPL showcases the contributions and accomplishments of African American scientists and engineers. The missions they work on are one-of-a-kind and on the cutting edge of their fields.
Audience: Gen. News Resource Site: JPL
Client: Carolina Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
For JPL internal use only.
02/12/2003 - 0:19:42 Producer: Semerano

AVC-2003-035-1/1 **Artificial Muscles - Video File**
Artificial muscles that give robots human-like flexibility and manipulation ability are under development by Dr. Yoseph Bar-Cohen of NASA's Jet Propulsion Laboratory in Pasadena, Calif.
Audience: Gen. Edu. JPL NASA News Resource
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/13/2003 - 0:09:40 Producer: Savona

AVC-2003-036-1/2 **Mars Exploration Rover Raw Footage Highlights Compilation**
Edited raw footage of various MER tests conducted during 2002. Includes rover assembly in clean room, parachute drop test, DRL drop tests, airbag drop tests, cruise stage assembly and spin tests, spacecraft thermal and vibration

tests, parachute wind tunnel tests.
Audience: News Resource
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/13/2003 - 0:32:35 Producer: J. Beck

AVC-2003-036-2/2 **Mars Exploration Rover Raw Footage Highlights Compilation**
Edited raw footage of various MER tests conducted during 2002. Includes rover assembly in clean room, parachute drop test, DRL drop tests, airbag drop tests, cruise stage assembly and spin tests, spacecraft thermal and vibration tests, parachute wind tunnel tests.
Audience: News Resource
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/13/2003 - 0:39:58 Producer: J. Beck

AVC-2003-037-1/1 **NASA First Person - Claudia Alexander - Web Production**
The work, experiences and personal observations of JPL employee Claudia Alexander as told by her. Produced for the Daily Planet and the JPL home page.
Audience: Gen. News Site: JPL
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/17/2003 - 0:02:48 Producer: Semerano

AVC-2003-039-1/1 **Research Solves Half-Century Old Moon Mystery - Video File & Web Prod.**
Half a century after an amateur astronomer photographed a flash on the Moon, Jet Propulsion Laboratory's Dr. Bonnie Buratti estimated that the asteroid impact would have made a 1-2 kilometer (.62 - 1.24 mile) sized crater and a radius of 20 meters (65.6 feet). Web Production follows file.
Audience: Gen. Edu. JPL NASA News Resource
Client: NASA TV/Agle
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Video file - 14:10; Web Production - 1:10
02/19/2003 - 0:15:20 Producer: Savona

AVC-2003-041-1/1 **NASA Space Science Update - Snow Pack on Mars?**
Panelists at NASA HQ discussing latest findings from Mars Global Surveyor and Mars Odyssey regarding gullies on Mars

causes and implications. Dr. Michael Meyer, NASA office of Space Science
Dr. Phil Christensen, Arizona State University
Dr. Jack Mustard, Brown University
Dr. Bruce Jakosky, University of Colorado Boulder
Dr. Lynn Rothschild, NASA Ames Research Center.
Q & a follows.
Audience: Gen. News Site: NASA HQ
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/19/2003 - 0:34:12 Producer: NASA HQ

AVC-2003-042-1/1 **Women Working on Mars: Engineering on the Red Planet**
In support of National Engineers Week, the webcast highlighted JPL engineers who design, build and test robots destined for Mars! The engineers shared the excitement of Mars exploration and illustrate that a career in engineering is possible for any creative young man or woman.
Mars Outreach Coordinator Stephenie Lievense hosts with engineers Brett Kennedy, Ayanna Howard, Jessica Collisson and Maria Padilla a student from Archer School for Girls.
Questions from Chabot Academy in Oakland highlight webcast.
Audience: Gen. Edu. Site: von Kármán Aud
Client: Stephanie Lievense, Org. 1850
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/19/2003 - 0:40:00 Producer: Reggie

AVC-2003-044-1/1 **Galileo's Long Jupiter Mission Winding Down - Video File**
The flight team for NASA's Jupiter-orbiting Galileo spacecraft will cease operations on Feb. 28, 2003, after a final playback of scientific data from the robotic explorer's tape recorder. Galileo will coast to a mission-ending impact into Jupiter's atmosphere on Sept. 21, 2003.
Audience: News Resource
Client: Webster, Org. 1810
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/21/2003 - 0:11:50 Producer: Savona

AVC-2003-045-1/1 **Two Micron All-Sky Survey - Video File**
An atlas of about 5 million pictures is now online, derived from the Two Micron All-Sky Survey, which used twin infrared telescopes, one in Chile and one in Arizona. Home computer

users can now savor results of the most thorough high-resolution digital survey of the entire sky.
Audience: Edu. News Resource
Client: NASA TV/Platt
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/26/2003 - 0:04:16 Producer: Savona

AVC-2003-046-1/1 **Dr. Albert Hibbs Memorial Web Video**
Dr. Hibbs died Feb. 24, 2003.
Audience: Gen. JPL
Client: Baggett
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/28/2003 - 0:01:15 Producer: Kline

AVC-2003-048-1/1 **Mars Visualization Collection, 3/3/03 - Video File**
00:00 - 01:13 Mars Reconnaissance Orbiter - Trajectory Visualization, 3/3/03
01:17 - 04:40 Mars Odyssey - Global map of Hydrogen Abundance, 5/30/02
04:45 - 06:23 Mars Odyssey - THEMIS Simulated Flight over the Valles Marineris, 5/29/02
06:27 - 14:30 Mars Global Surveyor Orbiter Camera - Evidence of Water, 3/3/03
Solar System Visualization Project
Audience: Gen. News Resource
Client: Eric De Jong
Master: DVCPro50
Audio 1: Silent 2: Silent
03/03/2003 - 0:14:30 Producer: SSVP

AVC-2003-051-1/1 **SRTM Maps Reveal Dinosaur Crater - Video File**
NASA's Jet Propulsion Laboratory releases a high-resolution topographic map of North America using data collected during the February 2000 Shuttle Radar Topography Mission. SRTM is a cooperative between NASA, the National Imagery & Mapping Agency & German & Italian space agencies.
Audience: Edu. News Resource
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/04/2003 - 0:13:15 Producer: Savona

AVC-2003-054-1/1 **MER Cruise Stage Spins Test Compilation**
Compilation of raw footage of Mars Exploration Rover cruise

stage spin tests in Bldg. 144 at JPL. Shot on 11/04/02 and 11/23/02.
Audience: Resource Site: BLDG. 144
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/16/1903 - 0:21:06 Producer: Rino Passaniti

AVC-2003-055-1/1 **Mechanical Woman - Video File**
Dr. Ayanna Howard, working for NASA's JPL, credits the television series, The Bionic Woman, for inspiring her career as an engineer integrating robotics with artificial intelligence to develop more autonomous space missions.
Audience: News Resource Site: JPL
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/11/2003 - 0:09:24 Producer: Semerano

AVC-2003-056-1/1 **Mars Exploration Rover - Twin Rovers in SAF**
The two flight model Mars Exploration Rovers in JPL's Spacecraft Assembly Facility. Includes video comparing MER to 1997 Mars Pathfinder Rover. (Edited raw footage compilation)
Audience: Resource
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/10/2003 - 0:21:13 Producer: Scott Hulme

AVC-2003-057-1/1 **Mars Exploration Rover-Team Picnic**
The MER Team enjoys an afternoon of fun and recreation with other team members. (Edited raw footage compilation)
Audience: Resource
Client: Michelle Viotti
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/31/2002 - 0:14:12 Producer: Scott Hulme

AVC-2003-058-1/1 **Mars Odyssey Celebrates its First Year of Mapping**
VTV-979
A Space Science Update highlighting the results of the Mars Odyssey mission's first year of science mapping. Presenters: Dr. Jeffrey Plaut, MO project scientist; Dr. Phil Christensen, principal investigator for THEMIS; Dr. Bill Boynton, team leader, Gamma Ray; Dr. Cary Zeitlin, MARIE studies

Audience: Gen. Edu. JPL NASA News Resource
Client: Media Relations
Master: DV Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/13/2003 - 0:43:44 Producer: Beck/Savona/Hardine

AVC-2003-059-1/1 **SIRTF Pre-Launch Video File**
1. Animation of the launch.
2. B-roll of unpacking and assembling the rocket at Cape Canaveral.
3. Interviews with significant personnel.
Note: Renamed "The Spitzer Space Telescope"
Audience: News Resource
Client: Yee Hill
Master: DVCPro50 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/20/2003 - 0:16:48 Producer: Kline

AVC-2003-060-1/1 **SIRTF L-30 Animations/Movies - Spitzer**
01:00 SIRTF Launch Phase; 01:01 SIRTF Dust Cover Comes Off; 01:02 Earth-trailing Orbit; 01:03 Visible Sky to IR; 01:04:00 Cluster Movie; 01:06 Orion Constellation Movie; 01:07 Orion Nebula Movie; 01:08 Vega Debris Disk Movie.
Note: Renamed "The Spitzer Space Telescope"
Audience: Resource
Client: HQ
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/21/2003 - 0:08:20 Producer: Kline

AVC-2003-061-1/1 **von Kármán Lecture Series: Cassini Huygens**
VTV-981 Cassini Program Manager Bob Mitchell discussed the Saturn Mission.
Audience: Gen. Edu. Site: von Kármán
Client: PSO/ Cynthie Cuno, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/20/2003 - 1:29:02 Producer: Reggie

AVC-2003-062-1/1 **SIRTF Pre-Launch Press Briefing - Mission Panel**
SIRTF Pre-Launch Press Briefing - Mission Panel reviewing overall Mission planning and launch activities from NASA HQ.
Panelists:
Lia Lapiana, SIRTF Program Executive, NASA HQ; Dave Gallagher, Project Manager, JPL;
Mark Garcia, Mission Design, JPL;

Bob Wilson, Mission Operations, JPL;
Suzy Dodd, SIRTF Science Center, Caltech.
Q & A follows.
Note: Renamed "The Spitzer Space Telescope"
Audience: News Site: NASA HQ
Client: Jane Platt
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/25/2003 - 0:50:45 Producer: Borst

AVC-2003-063-1/1 **SIRTF Pre-Launch Press Briefing - Science Panel**
Panel reviewed overall Mission science planning and activities after launch. From NASA HQ.
Panelists:
Dr. Anne Kinney, Dir. of Astronomy & Physics Office of Space Science, NASA HQ;
Dr. Michael Werner, Project Scientist, JPL;
Dr. Alyssa Goodman, Prof., Harvard/Smithsonian Astrophysical Observatory;
Dr. Garth Illingworth, Prof., UC Santa Cruz;
Dr. Belinda Wilkes, Prof., Harvard/SAO;
Dr. George Rieke, Prof., Univ of Ariz.
Q & A follows.
Note: Renamed "The Spitzer Space Telescope"
Audience: News Site: NASA HQ
Client: Jane Platt
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/25/2003 - 0:53:30 Producer: Borst

AVC-2003-064-1/1 **MER Airbag Drop Test #21 High Speed**
Three angles of high-speed close-ups of Mars Exploration Rover Airbag Drop Test #21 at NASA's Plum Brook testing facility in Sandusky, OH.
Audience: Resource
Client:
Master: Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/08/2002 - 0:01:26 Producer: Tom Wynne

AVC-2003-065-1/1 **MER Warm Electronics Box (WEB) Assembly & Bonding**
Edited raw footage compilation of the assembly and bonding of a Warm Electronics Box (WEB) for one of the Mars Exploration Rovers.
Audience: JPL Resource Site: JPL-Bldg. 158
Client: Michelle Viotti

Master: DV
Audio 1: Mono mix 2: Mono mix
05/22/2002 - 0:52:42 Producer: David Cha

AVC-2003-067-1/1 **SIRTF L-2 Animations**
EACH STARTS ON AN EVEN MINUTE.
01:00:00:00 Cruikshank Pluto/Charon animation
01:01:00:00 Jura Star Formation
01:02:00:00 Jura Disk animation
01:03:00:00 Kennicut IR Galaxies
01:04:00:00 Deep Galaxies Survey
Note: Renamed "The Spitzer Space Telescope"
Audience: Resource
Client: HQ
Master: DVCPro50
Audio 1: MOS 2: MOS
04/09/2003 - 0:04:27 Producer: Kline

AVC-2003-071-1/1 **von Kármán Lecture Series-Mars Global Surveyor Across the Centuries**
Presented by Dr. Terry Martin, JPL Research Scientist, Earth and Planetary Atmospheres.
The Mars Global Surveyor (MGS) spacecraft has now circled the Red Planet during two successive centuries, 1997 to 2003 and has redefined our knowledge of Mars' surface, atmosphere, interior, and history. MGS has returned more data about the red planet than all other Mars missions combined and has produced the most accurate global topographic map of any planet in the solar system. Some of the spacecraft's key findings include the revelation of gullies and debris-flow features that suggest current sources of liquid water, similar to an aquifer, at or near the surface of the planet. The spacecraft has also significantly improved the understanding of atmospheric dynamics. As the next Mars rover mission is prepared for launch, the accomplishments of the Mars Global Surveyor Spacecraft and its science teams give us perspective on where we are going.
Audience: Gen. Site: von Kármán Aud.
Client: Cynthie Cuno, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/17/2003 - 1:14:00 Producer: Hardine

AVC-2003-073-1/1 **Galaxy Evolution Explorer Set to Go - Video File**
The Galaxy Evolution Explorer (GALEX) is ready for launch on a Pegasus XL rocket from a L-1011 Stargazer aircraft over

the Atlantic Ocean.
GALEX is an orbiting space telescope that will observe galaxies in ultraviolet light across 10 billion years of cosmic history.
Audience: News Resource
Client: NASA TV/Platt
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/22/2003 - 0:13:55 Producer: Savona

AVC-2003-075-1/1
VTV-983

NASA Update
Administer Sean O'Keefe addresses all NASA centers, discussion the new astronaut educator and STS-107 Columbia family support donations.
Audience: NASA Site: HQ
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/25/2003 - 0:59:00 Producer: NASA-TV

AVC-2003-077-1/1

MER Flight Hardware Convoy to KSC and Unloading
Edited raw footage compilation of one of the Mars Exploration Rover flight hardware convoys from JPL to KSC. Includes hardware unloading at KSC.
Audience: Resource Site: KSC
Client: Michelle Viotti
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/02/2003 - 0:57:31 Producer: Rino Passaniti

AVC-2003-079-1/1

MER Parachute Testing at Ames Research Center (HD)
Edited raw footage compilation of Mars Exploration Rover parachute designs being tested in the wind tunnel facility at Ames Research Center. Compiled from HD source material.
Audience: Gen. Resource Site: Ames
Client: Michelle Viotti
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/30/2003 - 0:33:21 Producer: Scott Hulme

AVC-2003-080-1/1

Deep Impact Sends Your Name to a Comet - Video File
Deep Impact will be the first mission to attempt to impact a comet nucleus in order to answer basic questions about the nature of comets. Carried aboard the impactor is a standard mini-CD containing tens-of-thousands of names of comet and space enthusiasts.

Audience: News Resource
Client: NASA TV/Agle
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/05/2003 - 0:15:56 Producer: Gary Savona

AVC-2003-084-1/2 **MER Parachute Testing near Boise, ID (HD)**
Edited Raw Footage Compilation of Mars Exploration Rover parachute testing near Boise, ID. Compiled from HD source material.
Audience: Gen. JPL Site:
Client: M. Viotti
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/30/2003 - 0:59:26 Producer: R. Passaniti

AVC-2003-084-2/2 **MER Parachute Testing near Boise, ID (HD)**
Edited Raw Footage Compilation of Mars Exploration Rover parachute testing near Boise, ID. Compiled from HD source material.
Audience: Gen. JPL Site:
Client: M. Viotti
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/30/2003 - 0:25:00 Producer: R. Passaniti

AVC-2003-086-1/1 **Mars Odyssey Science Briefing**
VTV-985
Phil Christensen, Principal Investigator for the THEMIS instrument aboard the Mars Odyssey spacecraft provided an update on the mission's most recent findings.
Audience: JPL Site: von Kármán Aud
Client: Stephanie Lievense
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/08/2003 - 0:56:00 Producer: Hardine

AVC-2003-088-1/1 **vK Lecture Series-Challenges in Mobility & Robotics for InSitu Science**
VTV-986
--- von Kármán Lecture Series ---
Brian Wilcox, Manager of JPL's Solar System Exploration Mobility Technology Program spoke on In situ science on planetary surfaces such as Mars, Venus, Mercury, and Titan poses extreme challenges for mobile robots.
Audience: JPL Site: von Kármán Aud
Client: Cynthie Cuno, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix

05/08/2003 - 1:22:34 Producer: Hardine

AVC-2003-089-1/1 **NASA First Person - Susan Smrekar - Web Production**
The work, experiences and personal observations of JPL employee Susan Smrekar as told by her. Produced for the Daily Planet and the JPL home page.
Audience: Gen. Site: JPL
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/13/2003 - 0:02:48 Producer: Semerano

AVC-2003-090-1/1 **First-Ever Snapshot of Earth from Mars - Video File**
A color picture of the Earth-Moon system and Jupiter and some of its major moons is captured by the Mars orbiter camera onboard the Mars Global Surveyor. Interview with Thomas Thorpe, Mars Global Surveyor Project Manager, JPL.
Audience: JPL NASA Resource
Client: Morledge
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/20/2003 - 0:08:55 Producer: Kline

AVC-2003-091-1/1 **QuakeSim: An Advanced Earthquake Modeling System - Video File**
Dr. Andrea Donnellan, QuakeSim Principal Investigator, and a series of animations explain the attempt to develop advanced computer simulation tools that may soon give scientists insight into the complex physics of earthquakes and eventually enable earthquake forecasting.
Audience: JPL NASA Resource
Client: Alan Buis
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/21/2003 - 0:12:49 Producer: Kline

AVC-2003-092-1/2 **MER Landing Site Selection Workshop, January 2003 (HD)**
Mars Exploration Rover team members meet to discuss the final four candidate landing sites. Compiled from HD source material.
Audience: JPL Resource Site: Embassy Suites
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/14/2003 - 0:38:54 Producer: Passaniti

AVC-2003-092-2/2 **MER Landing Site Selection Workshop, January 2003 (HD)**

Mars Exploration Rover team members meet to discuss the final four candidate landing sites. Compiled from HD source material.
Audience: JPL Resource Site: Embassy Suites
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/14/2003 - 0:31:28 Producer: Passaniti

AVC-2003-094-1/1 **MER Landing Site Selection Workshop, January 2003 (Mini DV)**
Mars Exploration Rover team members meet to discuss the final four candidate landing sites. Compiled from Mini DV source material. Note: Some audio sequences are distorted.
Audience: Gen. JPL Site: Embassy Suites
Client: Michelle Viotti
Master: DV
Audio 1: Mono mix 2: Mono mix
05/06/2003 - 0:47:42 Producer: Hulme

AVC-2003-096-1/1 **Mars Exploration Rover -- Pre-launch Video File**
1. Updated and expanded animation of launch, landing and exploration. Animation is MOS.
2. B-roll of testing rover, parachute, airbag.
3. Interview with Joy Crisp, project scientist for Mars Exploration Rover.
Audience: Gen. Resource
Client: Guy Webster
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/27/2003 - 0:22:41 Producer: Kline/Maas

AVC-2003-097-1/1 **Mars Exploration Rover Animation - Updated & Expanded**
SD version.
Contains the latest animation of Mars 2003 Rovers. Includes launch, separation, cruise, entry, decent, and landing with parachute and airbags as well as taking first images and rover driving around Mars, analyzing the surface.
Audience: Gen. Resource
Client: Guy Webster
Master: BCAMsp
Audio 1: Silent 2: Silent AVC-2000-132
05/27/2003 - 0:09:25 Producer: Dan Maas

AVC-2003-099-1/1 **Mars Express Launch**
Video teleconference link to Baikanour Russia. Poor quality

audio/video.
Audience: News Resource
Client: Mars Express
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/02/2003 - 2:00:00

AVC-2003-100-1/1 **MER-A Launch Press Briefing -- Video roll-ins**
Animations of Mars Exploration Program timeline, zooms to landing sites A&B, flyovers of Gusev crater, trajectory animations (for A&B, A and B), and edited video of testing airbag and parachute.
NO AUDIO EXCEPT FOR LAST SEGMENT ("testing").
Audience: News Resource
Client: HQ
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/03/2003 - 0:20:37 Producer: Kline/de Jong/Maas

AVC-2003-101-1/1 **MER Animation-Updated & Expanded (with sound effects)**
VTV-987 By: Dan Maas. SD Version. MOS
Audience: Gen. JPL Site: Cornell Univ.
Client: Guy Webster, Org. 1810
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/05/2003 - 0:09:25 Producer: Maas/Passaniti

AVC-2003-103-1/1 **MER Prelaunch Mission Briefing**
Participants for the first Mars Exploration Rover were:
Dr. Firouz Naderi, Mars Exploration Manager, JPL; Peter Theisinger, MER Project Manager, JPL;
Rob Manning, MER Entry, Descent and Landing Development Manager, JPL;
David Lavery, MER Program Director, NASA Headquarters.
Audience: NASA News Resource Site: KSC
Client: V.McGregor/MRO, Org. 1810
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/06/2003 - 0:55:38 Producer: KSC (Borst)

AVC-2003-104-1/1 **MER Prelaunch Science Briefing**
Participants:
Dr. Joy Crisp, MER Project Scientist, JPL;
Dr. Ed Weiler, Associate Administrator, NASA HQ;
Dr. Jim Garvin, Mars Lead Scientist, NASA HQ;
Dr. Cathy Weitz, MER Program Scientist, NASA HQ;

Dr. Steve Squyres, MER Principal Investigator, Cornell University.
Audience: JPL NASA News Resource Site: KSC
Client: V. McGregor/MRO, Org. 1810
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/06/2003 - 0:54:03 Producer: KSC (Borst)

AVC-2003-105-1/1 **MER Pre-launch Web Video**
Joy Crisp, Project Scientist, Mars Exploration Rover, gives an overview of the timing and goals of the mission.
Audience: Gen. Resource
Client: Susan Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/06/2003 - 0:01:10 Producer: Kline

AVC-2003-106-1/1 **L-1 Mars Exploration Rover "Spirit" Press Briefing**
Participants: Orlando Figueroa, Mars Exploration Program Director, NASA HQ;
Omar Baez, NASA Launch Director;
Kris Walsh, Boeing Director for NASA Programs;
Peter Theisinger, MER Project Manager, JPL;
Joel Tumbiolo, Launch Weather Officer
Audience: JPL NASA News Resource Site: KSC
Client: McGregor, Org. 1810
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/07/2003 - 0:40:30 Producer: KSC (Borst)

AVC-2003-107-1/1 **Mars Exploration Rover (MER-A) "Spirit" Launch**
Launched from Cape Canaveral, Florida aboard a Boeing Delta 2 rocket. The rover will reach Mars for a landing on January 4, 2004. The rover is designed to return scientific data that will allow scientists to better understand the composition, climate and history of the Red Planet.
Audience: Gen. News Resource Site: KSC
Client: Media Relations, Org. 1810
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/10/2003 - 1:22:00 Producer: KSC/Hardine

AVC-2003-108-1/1 **Keck Interferometer First Science - DG Tau -- Video File**
Dr. Rachel Akeson, astronomer at the Michelson Science Center, Caltech, discusses her study of the star DG Tau and its surrounding dust disk, using the Keck Interferometer in

Hawaii. Animations illustrate DG Tau and the Keck. B-roll features the Keck Interferometer.
Audience: News Resource
Client: Platt
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/10/2003 - 0:08:07 Producer: Kline

AVC-2003-109-1/1 **SRTM Compilations (Post mission) Version 2**
Shuttle Radar Topography Mission
1. (long version) Animations, Launch, Mast deployment, on-orbit payload tours, Mast retract
2. Simulated flight along the Garlock and San Andreas Faults, California.
Audience: Resource
Client: Tom Farr
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/15/2000 - 0:28:00 Producer: Parrillo

AVC-2003-111-1/1 **Mars Exploration Rovers Naming Ceremony**
NASA Assistant Administrator for Public Affairs, Glenn Mahone, introduces NASA Administrator Sean O'Keef, Lego Co. Sr. Vice Pres. Brad Justice, and the "Run to Name the Rovers" contest winner, 3rd grader Sophie Colins from Scottsdale, AZ. She named the twin rovers "Spirit" and "Opportunity".
Audience: Gen. News Resource Site: NASA KSC
Client:
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
06/08/2003 - 0:21:03 Producer: KSC

AVC-2003-112-1/2 **von Kármán Lecture Series: "SIRTF-The Last of the Great Observatories"**
VTV-988 Dr. Michelle Thaller gave a presentation on the Space Infrared Telescope Facility (SIRTF), the largest infrared telescope ever launched. SIRTF will peer into the Universe and reveal regions of space normally hidden to optical telescopes.
Note: Renamed "The Spitzer Space Telescope"
Audience: Gen. Edu. JPL Site: JPL
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/12/2003 - 1:05:00 Producer: Semerano

AVC-2003-112-2/2 **von Kármán Lecture Series: "SIRTF-The Last of the Great Observatories"**

Part 2 of 2
Audience: Gen. Edu. JPL Site: JPL
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/12/2003 - 0:10:00 Producer: Semerano

AVC-2003-113-1/1 **SRTM South America & Web Productions - Video File**

NASA's JPL has released a high-resolution topographic map of South America using data collected during the February 2000 Shuttle Radar Topography Mission (SRTM). Included are a flyover animation of the Andes mountain range and interview excerpts of Dr. Michael Kobrick.
Audience: NASA News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/18/2003 - 0:20:28 Producer: Savona/Semerano

AVC-2003-114-1/1 **Mars Exploration Rover (MER-B) "Opportunity" Pre-launch Video File**

1. Updated Mars Exploration Rover animation with sound effects.
2. B-roll of testing of rover, parachute, airbag.
3. The launch of Rover A ("Spirit") from T-20 to first-stage separation.
Audience: News Resource
Client: Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/19/2003 - 0:22:31 Producer: Kline

AVC-2003-115-1/1 **The Launch of Spirit - Mars Exploration Rover A**

Summary of launch on June 10, 2003. Technicians folding the petals at KSC, Live launch from NASA TV transitions to Dan Maas animation (with sound effects). Ends at title card "7 months later."
Audience: Gen. JPL News Resource
Client: Dr. Elachi
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/19/2003 - 0:03:00 Producer: Kline

AVC-2003-117-1/1 **Seasat's 25th Anniversary - Video File**
On June 26, 1978, NASA's Jet Propulsion Laboratory, Pasadena, Calif., launched an oceanographic satellite dedicated to observing Earth's oceans from space. It provided the first global view of ocean circulation, waves and winds.
Audience: News Resource Site: JPL
Client: NASA TV/Hill/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/25/2003 - 0:10:05 Producer: Savona

AVC-2003-118-1/1 **Mars Exploration Rover: Bigger, Better Wheels**
MER Mechanical Lead Randy Lindemann explains various features of the Mars Exploration Rover mobility system.
Audience: Gen. JPL Resource Site: JPL
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/30/1903 - 0:02:53 Producer: Scott Hulme

AVC-2003-120-1/1 **NASA First Person - Gary Blackwood - Web Production**
The work, experiences and personal observations of JPL employee Gary Blackwood as told by him. He is involved in searching for Earth-like planets. Produced for the Daily Planet and the JPL home page.
Audience: Gen. Resource Site: JPL
Client: Susan Watanabe, Org. 181
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/25/2003 - 0:02:48 Producer: Semerano

AVC-2003-121-1/2 **MER Landing Site Selection Review Board - 3/2003**
Mars Exploration Rover team members present the final landing site candidates to the MER review board. Compile from HD source material. Footage taken on 03/26-28/2003.
Audience: Gen. News Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/25/2003 - 0:20:53 Producer: Passaniti

AVC-2003-121-2/2 **MER Landing Site Selection Review Board - 3/2003**
Mars Exploration Rover team members present the final landing site candidates to the MER review board. Compile from HD source material. Footage taken on 03/26-28/2003.

Audience: Gen. News Resource Site: JPL
Client: Michelle Viotti, Org. 1860
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/25/2003 - 0:30:20 Producer: Passaniti

AVC-2003-123-1/1 **Mars Exploration Rover "Opportunity" (MER-B) Launch Minus 1 Briefing**

Presenters:
George Diller, NASA Public Relations;
Dr. Ed Weiler, NASA Associate Administrator for Space Science;
Omar Baez, NASA Launch Director;
Kris Walsh, Boeing Director;
Peter Theisinger, MER Project Manager, JPL;
Steve Squyres, MER Principal Investigator.
Audience: News Resource Site: Canaveral, FL
Client: MER/MRO/John Beck, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/27/2003 - 0:47:23 Producer: KSC

AVC-2003-128-1/2 **Mars Exploration Rover (MER-B) "Opportunity" Launch Coverage**
NASA TV Launch Coverage 8:30 PM EST Actual launch on the tape.
Audience: Gen. News Resource Site: Canaveral, FL
Client: Michelle Viotti
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/07/2003 - 2:00:00 Producer: recorded by Borst

AVC-2003-128-2/2 **Mars Exploration Rover (MER-B) "Opportunity" Launch Coverage**
Starts out at spin out of the third stage and goes on to acquisition.
Audience: Gen. News Resource Site: Canaveral, FL
Client: Michelle Viotti
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/07/2003 - 1:50:00 Producer: Borst

AVC-2003-129-1/1 **Compilation of SRTM Flyover Animations: Andes Mtns.,Calif.,San Andreas**

The computer animations are 3D simulated flyovers of the Andes Mountains in South America; California and San Francisco; Garlock and San Andreas Faults. Flyovers are created using data from the Shuttle Radar Topography Mission

and a Thematic Mapper image from the Landsat satellite.
Audience: Gen. Resource
Client: Mona Jasnow
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
07/08/2003 - 0:10:40 Producer: Savona

AVC-2003-130-1/1 **Jason-Topex/Poseidon Tandem Mission - Video File**
The joint NASA-French Space Agency oceanography satellites Topex/Poseidon and Jason are currently performing a tandem mission to map the height of the world's ocean surfaces with unprecedented accuracy.
Audience: News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/15/2003 - 0:10:48 Producer: Gary Savona

AVC-2003-132-1/1 **Solar System Roadmap**
With Dr. Colleen Hartman, Orlando Figueroa, Dr. Michael Belton, Dr. Michael Drake and Dr. Laurie Leshin.
Audience: Gen.
Client: Alice Wessen
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/10/2003 - 0:07:17 Producer: Kline/Beck

AVC-2003-139-1/1 **Searching and Crawling, A Few JPL Research Robots**
-- von Kármán Lecture Series --
Robert Hogg, Robotics Engineer, JPL Mobility Systems Concept Development Section and Brett Kennedy Task Manager, Limbed Excursion Mobile Utility Robot, highlight 3 research robots. Micro-Robot Explorer nicknamed "Spider-bot", Urban Robot "Urbie" and Mechanical Utility Robot, "Lemur".
Audience: Gen. Edu. JPL Site: von Kármán
Client:
Master: DVCPro25 Submaster: VHS
Audio 1: Mono mix 2: Mono mix
07/17/2003 - 1:28:46 Producer: Reggie Hardine

AVC-2003-141-1/1 **GRACE Gravity Model 01 - Video File**
The joint NASA-German Aerospace Center Gravity Recovery and Climate Experiment, or GRACE, mission has released its first science product: the most accurate map yet created of Earth's gravity field.

It will help us understand ocean circulation, which strongly influences weather and climate.
Audience: News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/18/2003 - 0:13:23 Producer: Gary Savona

AVC-2003-142-1/1 **MAM Spotlight - Microarcsecond Metrology Testbed**
Renaud Goullioud, Project Manager for the Microarcsecond Metrology Testbed, gives a tour of the testbed, which is housed in a vacuum chamber.
Audience: Gen. JPL
Client: Randy Jackson
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/21/2003 - 0:01:50 Producer: Kline

AVC-2003-145-1/1 **NASA Update with Administrator Sean O'Keefe**
VTV-990 NASA Administrator, Sean O'Keefe shares the latest information about the agency's "Return to Flight" effort. Administrator O'Keefe also talks about what to expect in the Columbia Accident Investigation in the next month. Live from NASA's Goddard Space Flight Center in Greenbelt, MD.
Audience: JPL NASA Site: Greenbelt, MD
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/23/2003 - 1:10:00 Producer: Goddard/HQ

AVC-2003-147-1/1 **Phoenix Animations: 2008 Arrival at Mars & Instrument Tests**
Phoenix Arrival at Mars 2008 - 1:30
Phoenix Instrument Tests - 4:07
Audience: JPL
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/04/2003 - 0:06:04 Producer: De Jong/Maas

AVC-2003-152-1/1 **Jupiter Icy Moons Animation**
VTV-1009 Narrated animation with music showing a proposed journey of an innovative spacecraft from Earth to Jupiter and three of its moons. Video levels are slightly higher than normal for the web.
Audience: Gen. News Resource Site: JPL
Client:

Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/02/2003 - 0:01:33 Producer: Semerano

AVC-2003-153-1/1 **The Jet Age Begins -- Web Video**
Historical video about JATO, Jet Assisted Take Off for aircraft, developed in the 1940s.
Audience: Gen.
Client: Watanabe
Master:
Audio 1: Mono mix 2: Mono mix
08/06/2003 - 0:00:58 Producer: Kline

AVC-2003-154-1/1 **Testing The Private - Web Video**
Historical video about the Private missile developed by JPL for the Army in 1940s.
Audience: Gen.
Client: Watanabe, Org. Wan
Master:
Audio 1: Mono mix 2: Mono mix
08/06/2003 - 0:01:09 Producer: Kline

AVC-2003-160-1/1 **Mars Exploration Rover-A Launch Activities at KSC (HD)**
Edited raw footage compilation of the Spirit rover launch from Kennedy Space Center. Pre-launch briefings, Mission Director's Center, tower rollback and launch. Compiled from HD source material.
Audience: News Resource
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/10/2003 - 0:29:31 Producer: Scott Hulme

AVC-2003-161-1/1 **Spirit & Opportunity**
Graphics and animation tell the story of the launches of Spirit and Opportunity, the two Mars Exploration Rovers. Formerly known as "MER Launches - A Summary for Dr. Elachi. " Revised 12/30/2003. Revised again 01/24/2004.
Audience: Gen. Edu. Resource
Client: Blaine Baggett
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/13/2003 - 0:03:32 Producer: Beck

AVC-2003-162-1/1 **Sensor Web for Forest Fire Detection - Video File**
NASA Jet Propulsion Laboratory-developed software helps link

NASA's Earth Science satellites to form a virtual web of sensors with the ability to monitor the globe. Included in this video file is an animation showing how such a scenario might play out in the detection of forest fires.
Audience: Gen. News Resource
Client: Lovato
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/14/2003 - 0:05:15 Producer: Semerano

AVC-2003-163-1/1 **Challenges of Getting to Mars - Two Launches**
Overview of some of the problems and delays which came prior to the eventual launches of both Spirit and Opportunity.
Audience: Gen. Resource
Client: Mars Office
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/15/2003 - 0:02:14 Producer: Beck/Johnson

AVC-2003-164-1/1 **Challenges of Getting to Mars - Weather Constraints for Spirit**
Overview of the weather challenges that delayed the launch of Spirit.
Audience: Gen. Resource
Client: Mars Office
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/15/2003 - 0:02:15 Producer: Beck/Johnson

AVC-2003-165-1/1 **SIRTF L-1 -- Video Roll-ins for Press Briefing**
1:00:00 = Pluto
1:00:27 = Star Formation
1:01:04 = Protoplanetary Disks
1:01:49 = Deep Survey
1:02:32 = SIRTF Launch
1:03:41 = Earth-trailing Orbit
1:04:11 = Visible to IR
1:04:40 = Cryo Chamber Size Change
Note: Renamed "The Spitzer Space Telescope"
Audience: Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/15/2003 - 0:05:01 Producer: Kline

AVC-2003-166-1/1 **NASA First Person - Ayanna Howard - Web Production**
The work, experiences and personal observations of JPL

employee Ayanna Howard as told by her. Produced for the Daily Planet and the JPL home page.
Audience: Gen.
Client: McGahan
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/17/2003 - 0:02:48 Producer: Semerano

AVC-2003-167-1/1 **SIRTF L-1 Video File**
Animations: SIRTF Launch, IR vs. visible light, planet-forming discs;
B-roll: SIRTF at Lockheed Martin, 1st stage prep, attaching to 2nd stage; interviews: Dr. Michael Werner, proj. scientist, Dr. Jay Frogel, prog. scientist, Lia LaPiana, prog. exec. & Dr. Anne Kinney, dir. Astronomy & Physics
Note: Renamed "The Spitzer Space Telescope"
Audience: News Resource
Client: Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/19/2003 - 0:09:09 Producer: Kline

AVC-2003-168-1/1 **Mars Exploration Rover Launches: Stormy weather at KSC**
Edited raw footage compilation of developing storms at Kennedy Space Center during the Mars Exploration Rover launch periods. Compiled from HD source material.
Audience: Gen. Resource
Client: Michelle Viotti
Master: DVCProHD
Audio 1: None 2: None
08/13/2003 - 0:18:50 Producer: Scott Hulme

AVC-2003-169-1/1 **Shuttle Radar Topography Mission (SRTM) 30 - Video File**
NASA and the National Imagery and Mapping Agency have released the first global data set produced by the Shuttle Radar Topography Mission. Called SRTM30, it provides new and improved information for the 80 percent of Earth's land mass.
Audience: News Resource Site: JPL
Client: NASA/TV/Lovato
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/19/2003 - 0:11:30 Producer: Savona

AVC-2003-170-1/1 **Sensor Web for Detecting Forest Fires -- WEB Version**
Animation shows how satellites can work as a team -- a

"sensor web," in this case first detecting then homing in on a forest fire.
Audience: Gen. Resource
Client: Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/20/2003 - 0:01:30 Producer: Kline/Semerano

AVC-2003-171-1/1
VTV-992

The Mars Exploration Rovers - Robotic Geologists
von Kármán Lecture Series
Presented by: Peter Theisinger, JPL Mars Exploration Rover Program Manager
He focused on the post landing mission plans for the Mars Exploration Rovers when the rovers arrive in January 2004.
Audience: Edu. JPL Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/21/2003 - 1:51:00 Producer: Hardine

AVC-2003-172-1/1

SIRTF Mission Science Briefing & Pre-Launch Press Conf.
SIRTF Mission Science Briefing 40:34 Min.
Pre Launch Press Conference 39:47 Min.
Note: Renamed "The Spitzer Space Telescope"
Science Briefing panelists:
Dr. Anne Kinney
Director, Astronomy & Physics Division
Office of Space Science
NASA Headquarters, Washington
Dr. Michael Werner, Space Infrared Telescope Facility Project Scientist
JPL
Dr. Dale Cruikshank, Interdisciplinary Scientist for Planetary Science
NASA Ames Research Center
Dr. Michael Jura, Space Infrared Telescope Facility interdisciplinary scientist for planetary science-University of California, Los Angeles
Dr. Marcia Rieke, Astronomer/Professor
Stewart Observatory, university of Arizona, Tucson
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Pre-Launch Briefing participants:
Lia LaPiana, Space Infrared Telescope Facility Program Executive
NASA Headquarters, Washington
Omar Baez, NASA Launch Director

Kennedy Space Center, Fla.
Rich Murphy, Delta Mission Director
Boeing Expendable Launch systems, Huntington Beach, Calif.
David Gallagher, Space Infrared Telescope Facility Project Manager - JPL
Joel Tumbiolo, U.S. Air Force Delta/Space Infrared Telescope Facility Launch Weather Officer 45th Weather Squadron, Cape Canaveral Air Force Station, Fla.
Audience: News Site: KSC
Client: MRO, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/22/2003 - 1:21:00 Producer: Ziats

AVC-2003-173-1/2 **SIRTF Launch**
Start of coverage at 8:30 PM PST
Launch at 2:06:50 Min.
Commentary with George Diller from Kennedy Space Center
Note: Renamed "The Spitzer Space Telescope"
Audience: Gen. News Resource Site: KSC
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/24/2003 - 3:04:00 Producer: KSC (Bridges)

AVC-2003-173-2/2 **SIRTF Launch**
Continuing of launch coverage
Acquisition of the spacecraft
Interviews of Omar Baez, NASA Launch Director, KSC
and David Gallagher, SIRTF Project Manager, JPL
Note: Renamed "The Spitzer Space Telescope"
Audience: Gen. News Resource Site: KSC
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/24/2003 - 0:31:29 Producer: KSC (Bridges)

AVC-2003-175-1/1 **Mars Exploration Rover Launches: Tracker camera view**
Edited raw footage compilation of the launches of the Mars Exploration Rovers, Spirit and Opportunity. Shot with HD cameras on a tracker at Kennedy Space Center.
Audience: Gen. News Resource Site: KSC
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/15/2003 - 0:05:57 Producer: Scott Hulme

AVC-2003-176-1/1 **NASA Press Conference - Columbia Accident Investigation with O'Keefe**

NASA Administrator Sean O'Keefe conducts a press conference concerning the Columbia Accident Investigation. Live from NASA Headquarters in Washington, DC.
Audience: NASA News Site: NASA HQ
Client: NASA
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/27/2003 - 1:30:01 Producer: HQ (Borst)

AVC-2003-177-1/1 **The Planet Mars Compilation**

The following releases on here are:
AVC-1989-012 Mars the Movie;
AVC-2000-052 Martian North & South Polar Caps Images - Video File;
AVC-2001-038 History & Future of Mars Exploration, Prior to Launch of '0 Odyssey;
AVC-2001-071 Recent Images from Mars Global Surveyor - Video File;
AVC-2001-047 2001 Mars Odyssey Pre-launch Video File;
AVC-2001-182 Martian South Pole Mesas and Pits in Frozen Carbon Dioxide;
AVC-2001-105 Viking 25th Anniversary Video
Audience: Gen. Resource Site: Various
Client: Anita Sohus
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/05/2003 - 0:59:10 Producer: Savona

AVC-2003-179-1/1 **Mars Exploration Rover Mission**

The Mission (9:03)
The Launch of "Spirit" (2:52)
The Launch of "Opportunity" (3:06)
Summary (3:24)
Audience: Gen. Resource
Client: Patty Rhee
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/09/2003 - 0:18:44 Producer: Kline

AVC-2003-181-1/1 **Public Suggestions for Mars Pictures -- Video File**

The first image of Mars suggested by a member of the public was made from Mars Global Surveyor. Also included are the launch of Mars Global Surveyor and an animation of the

spacecraft aerobraking to adjust its orbit at Mars.
Audience: News Resource
Client: Webster
Master: DVCPro50 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/10/2003 - 0:05:23 Producer: Kline

AVC-2003-182-1/1 **Galileo EOM Animation and Highlights Reel.**
Galileo End of Mission animation followed by a 9:25 minute Galileo Highlights reel with music which in turn is followed by a 4:30 minute version of the same highlights reel also with music.
Audience: Gen. News Resource Site: JPL
Client: Alice Wessen
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/12/2003 - 0:15:25 Producer: Semerano

AVC-2003-184-1/1 **Galileo Draws to a Dramatic Close - Video File & Web Video**
On Sept. 21, 2003 the longest orbital survey of an outer planet, The Galileo mission, will draw to a close when the spacecraft burns up in Jupiter's upper atmosphere.
Animation , B-roll, 10 top pictures and interviews
Goodbye Galileo Web Production - 2:16
Audience: Gen. News Resource
Client: NASA TV/Agle
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/16/2003 - 0:27:42 Producer: Savona

AVC-2003-185-1/1 **Galileo End of Mission Briefing**
VTV-995
Space Science Update Participants: Dr. Colleen Hartman, Solar System Explor. Div., NASA HQ
Dr. Claudia Alexander, Galileo Proj. MGR. JPL
Dr. Michael Belton, NOAO, Tucson, Ariz.
Dr. Don Williams, John Hopkins University
Jim Erickson, Former Galileo Proj. Manager, JPL
Audience: News Site: NASA HQ
Client: Carolina Martinez, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/17/2003 - 0:47:00 Producer: HQ (Ziats)

AVC-2003-186-1/1 **Mars Exploration Rover Animation - (SFX ONLY) Final Version**
Contains animation of Mars 2003 Rovers. Includes launch, separation, cruise, entry, descent, and landing with

parachute and airbags as well as taking first images and rover driving around Mars, analyzing the surface. Sound Effects Only.
Audience: Gen. Edu. Resource
Client: Michelle Viotti
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/18/2003 - 0:09:25 Producer: Dan Maas

AVC-2003-191-1/1 **Hurricane Isabel - Video File**
NASA keeps a close watch on Hurricane Isabel with a suite of instruments aboard Earth observing satellites. Much of the data gathered comes from instruments built at NASA's JPL. This video file shows some of the images of Hurricane Isabel made from those instruments.
Audience: News Resource
Client: Buis
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/19/2003 - 0:05:35 Producer: Semerano

AVC-2003-192-1/1 **Goodbye Galileo - Galileo Impacts Jupiter**
Live production for NASA TV during Galileo's planned impact at Jupiter. Followed by musical performance by Not Ready for Real Time Players distributed in-house at JPL only.
10:59:20 Tape start
11:00:00 Show start
12:10:43 Show end
12:16:46 Musical performance starts
12:43:07 Musical performance ends
12:44:23 EOT
Audience: Gen.
Client: NASA TV & JPL
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/21/2003 - 1:45:03 Producer: Baggett/Agle/Kline

AVC-2003-193-1/1 **Jupiter Icy Moons Tour Animation -- Brighter Spacecraft**
In this version of the animation, the spacecraft has been brightened to contrast with the blackness of space.
Includes narration and music.
The original animation, MOS and with realistic lighting, is on AVC-2003-007. The same animation with narration and music is on AVC-2003-152.
Audience: Resource
Client:

Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/23/2003 - 0:01:39 Producer: Semerano

AVC-2003-196-1/1 **Challenges of Getting to Mars - Testing the Rovers**
Overview of some of the testing of the Mars Exploration Rovers Spirit and Opportunity in the JPL Mars Yard.
Audience: Gen. Edu. Resource Site: Mars Yard/JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/30/2003 - 0:01:50 Producer: Scott Hulme

AVC-2003-197-1/1 **AIRS Level 2 Data - Video File**
NASA's Aqua spacecraft is giving meteorologists and climatologists the ability to generate CAT-scan-like profiles of Earth's atmosphere through an instrument built at JPL known as AIRS--the Atmospheric Infrared Sounder.
Audience: Gen. News Resource Site: JPL
Client: Buis
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/01/2003 - 0:19:12 Producer: Semerano

AVC-2003-198-1/1 **The 4 Launches of 2003: GALEX, Spirit, Opportunity & SIRTF**
An inspiring music driven opening shows JPL's 4 launches in 2003: GALEX, Spirit, Opportunity and SIRTF that was used for the State of the Laboratory address by Dr. Charles Elachi.
Audience: Gen.
Client: Baggett/Elachi
Master: DVCPro50
Audio 1: Stereo 2: Stereo
10/09/2003 - 0:02:11 Producer: Gary Savona

AVC-2003-200-1/1 **Patagonia Ice Fields (SRTM) - Video File**
A new study of the Patagonia Ice fields in South America by NASA and Chile's Centro de Estudios Cientificos concludes the ice fields, the largest non-Antarctic ice masses in the Southern Hemisphere, are thinning at a faster pace -- contributing to global sea-level rise.
Audience: Gen. JPL News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/15/2003 - 0:16:27 Producer: Gary Savona

AVC-2003-203-1/1 **NASA Update**
NASA Administrator Sean O'Keefe discusses the new NASA Safety and Engineering Center at Langley Research Center and how its fits in to the agency's overall Return to Flight effort and NASA's other safety and engineering assessment programs. O'Keefe was joined by former Apollo flight director Gene Krantz, who as a result of his heroic efforts in helping to bring Apollo 13 safety back to Earth in April 1970, has come to embody American perseverance and determination. Krantz retired from NASA in 1994 after nearly four decades of federal service and currently works as a consultant and speaker. "Failure is not and option", the motto that carried him through the Apollo 13 crisis, is also the title of his best selling book, published in 2001.
Audience: NASA Site: NASA HQ
Client: Blaine Baggett
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/30/2003 - 1:32:00 Producer: NASA TV

AVC-2003-204-1/1 **The Perfect Space Storm - Video File**
Newly uncovered scientific data of recorded history's most massive space storm is helping a NASA scientist investigate its intensity and the probability that what occurred almost a century- and-a-half ago could happen again.
Audience: Gen. News Resource Site: JPL
Client: Agle
Master:
Audio 1: Mono mix 2: Mono mix
10/22/2003 - 0:10:13 Producer: Semerano

AVC-2003-205-1/1 **The Deep Space Network Completes Upgrades - Video File**
The Deep Space Network, managed by NASA's Jet Propulsion Laboratory in Calif., is an international network that supports interplanetary spacecraft missions. With antennas in Spain, Australia, and California the network provides communication with spacecraft at all times.
Audience: Gen. News Resource Site: JPL
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/03/2003 - 0:13:36 Producer: Savona

AVC-2003-207-1/1 **NASA Space Science Update - Voyager 1 - Edge of the Solar System**
VTV-997 New observations from Voyager 1 indicate the spacecraft is approaching a formerly unexplored region at

the very edge of our solar system.
Panelists: Dr. Merav Opher, JPL research scientist Dr. Edward Stone, Voyager project scientist and former JPL director
Dr. Stamatios M. "Tom" Krimigis, head of space department, John Hopkins University Applied Physics Laboratory, Laurel, MD.
Dr. Frank McDonald, senior research scientist, University of Maryland, College Park
Dr. Eric Christian, discipline scientist, Sun-Earth Connection Division, NASA Headquarters
Voyager 1, built, flown and managed by JPL, left Earth in 1977 and made a string of discoveries while flying past Jupiter in 1979 and Saturn in 1980. Voyager 1, the most distant of any human-made object, is about 13.4 billion kilometers (about 8.4 billion miles) from the Sun, traveling at a speed of about 17 kilometers per second (roughly a million miles) every day. Its twin, Voyager 2, made a grand tour of four outer planets and is more than twice as far from the Sun as our solar system's most distant planet, Pluto. During their 26-year journey, they have paved the way to understanding Jupiter, Saturn, Uranus and Neptune.
Audience: Gen. News Resource Site: NASA HQ
Client: NASA HQ
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/05/2003 - 0:55:33 Producer: HQ (Borst)

AVC-2003-210-1/1 **QuakeSim**
Two animations depicting the history of earthquake activity in the Southern California area. Narrated with music.
Audience: Gen. Site: JPL
Client: M. Judd
Master:
Audio 1: Stereo 2: Stereo
11/07/2003 - 0:04:25 Producer: Semerano

AVC-2003-211-1/1 **Voyager Nears The Edge of the Solar System**
Audience: Gen. Resource
Client: NASA TV
Master:
Audio 1: Mono mix 2: Mono mix
11/06/2003 - 0:22:00 Producer: Goddard TV

AVC-2003-212-1/1 **Finding Mars on Earth**
Dr. James Garvin, lead scientist for NASA's Mars Exploration

Program, tours Surtsey Island, Iceland, demonstrating what can be learned about Mars from studying landforms on Earth that are similar to landforms on Mars.
Audience: Gen. Resource
Client: S. Watanbe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/10/2003 - 0:02:00 Producer: Kline

AVC-2003-214-1/1 **Possible Ancient Lake Delta on Mars -- Video File**
Mars Global Surveyor images reveal a delta-like deposit on Mars, seen by scientists as evidence that the planet once had long-lasting rivers and lakes, not just brief intense floods. Includes a flyover animation by Malin Space Science Systems.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: MOS 2: MOS
11/12/2003 - 0:03:34 Producer: Kline

AVC-2003-215-1/1 **Evidence of a River Delta on Mars - Web Video**
1 Newly-seen details in images from NASA's Mars Global Surveyor show a fan-shaped deposit that provides evidence that some ancient rivers on Mars flowed for a long time, not just in brief intense floods.
Audience: News Resource
Client: S. Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/14/2003 - 0:01:02 Producer: Kline

AVC-2003-219-1/1 **von Kármán Lecture Series - The DSN Challenge for 2003-2004**
VTV-998 Peter Doms talks about the Deep Space Network's (DSN) role in providing the only means of communication between distant spacecraft and Earth. From November, 2003 until February 2004, the DSN must meet the challenge of supporting more events of this magnitude than ever in its history.
Audience: Gen. Edu. Site: von Kármán Aud
Client: Public Services
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/20/2003 - 0:57:09 Producer: Gary Savona

AVC-2003-221-1/1 **NASA's Stardust Spacecraft Prepares for Wild Encounter - Video File**

On Jan. 2, 2004 at about 11:41 a.m. PST NASA's Stardust spacecraft will have a close encounter with comet Wild 2. A "cometary catcher's mitt," a tennis-racket-shaped particle catcher filled with a material called aerogel, will capture particles of comet dust and return them to Earth in 2006.
Audience: Gen. News Resource Site: JPL
Client: NASA TV/Agle
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/19/2003 - 0:21:00 Producer: Gary Savona

AVC-2003-222-1/1 **Mars Rovers Head for Challenging Arrivals - Video File**
1. Animation of mission.
2. B-roll of testing.
3. Launch highlights: Spirit.
4. Launch highlights: Opportunity.
Audience: News Resource
Client: Webster
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/28/2003 - 0:21:30 Producer: Kline

AVC-2003-223-1/1 **NASA First Person - Dr. Mark Adler - Web Production**
JPL employee, Dr. Mark Adler, explains his work as Spirit Mission Manager for the Mars Exploration Rover Project. Produced for the Daily Planet and the JPL home page.
Audience: Gen. Edu. Resource
Client: Angela Mcgahan
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
Produced for the Web
12/03/2003 - 0:03:28 Producer: Savona

AVC-2003-224-1/1 **SIRTF's New Name "SPITZER" and First Images**
The first colorful and revealing cosmic images from JPL's Space Infrared Telescope Facility (SIRTF) were unveiled and NASA Administrator Sean O'Keefe announced a new name for the mission. Participants: Weiler, Werner, Bahcall, Fazio, Houck, and Rieke
Audience: Gen. News Resource Site: NASA HQ
Client: Gay Hill
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/18/2003 - 0:00:00 Producer: HQ (Borst)

AVC-2003-225-1/1 **Deciding Where to Land - Web Production**

Matt Golombek hosts a video produced for the web about what factors scientists and engineers consider in choosing landing sites for the Mars Exploration Rovers.
Audience: Gen. Site: JPL
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/01/2003 - 0:01:53 Producer: Semerano

AVC-2003-226-1/1 **Studying Earthquakes from Space: Progress Since Northridge -Video File**

A series of animations and stills depict methods of analysis and results achieved.
Audience: News Resource
Client: Buis
Master: DVCPro25
Audio 1: MOS 2: MOS
12/01/2003 - 0:13:18 Producer: Kline

AVC-2003-229-1/1 **Six Minutes of Terror - 3 Segments**

3 segments of total running time of 5:24 Min.
Challenges of Getting to Mars Series. Entry, Descent and Landing. Explanation of MER EDL by JPL Mars Exploration Team Members.
Audience: Gen. Edu. News Resource Site: JPL
Client: Michelle Viotti
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/02/2003 - 0:05:24 Producer: Beck

AVC-2003-230-1/1 **Six Minutes of Terror**
VTV-1007

Challenges of Getting to Mars Series. Entry, Descent and Landing. Explanation of MER EDL by JPL Mars Exploration Team Members.
Audience: Gen. Edu. News Resource Site: JPL
Client: Michelle Viotti
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/02/2003 - 0:05:24 Producer: Beck

AVC-2003-231-1/1 **Earthquakes As Seen From Space-Earth Science Update**

NASA's unique contributions to this rapidly maturing field of study and implications of this research mitigating future seismic hazards were focused in the update.
Panelists: Dr. Andrea Donnellan - Geophysicist and deputy manager of Earth and Space Sciences Division at JPL, Dr.

Bradford H. Hager - Professor, Massachusetts Institute of Technology, Dr. John B. Rundle - Professor and founding director, Computational Science & Engineering at UC Davis, CA, Dr. Wayne Thatcher-Senior research geophysicist, U.S. Geological survey, Menlo Park, CA , Dr. James H. Whitcomb-Section head for Special Projects, Earth Sciences Division, National Foundation, Arlington, VA
Audience: News Site: NASA HQ
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/04/2003 - 0:58:00 Producer: HQ (Hanchett)

AVC-2003-234-1/1 **Jupiter Icy Moons Orbiter Science Objectives - Video File**
Jupiter Icy Moons Orbiter animations shows a conceptual illustration of a proposed mission to the Jovian system.
Audience: News Resource Site: JPL
Client: NASA TV/Martinez
Master: DVCPro50
Audio 1: Silent 2: Silent
12/05/2003 - 0:08:36 Producer: Semerano

AVC-2003-236-1/1 **Lyman Spitzer, A Space Visionary**
A biography of Professor Lyman A. Spitzer, who created the concept of putting telescopes in space. Features interviews with prominent co-workers and Mrs. Spitzer. Produced for the announcement of the re-naming of the SIRTF spacecraft, the Spitzer Space Telescope.
Audience: News Resource
Client: Doris Daou
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/28/2003 - 0:05:23 Producer: Kline

AVC-2003-237-1/1 **Selected Scenes of Jim Garvin in Iceland**
Filmed on location 10/3/03 on Surtsey Island, Iceland.
Audience: Edu. Resource Site: Iceland
Client: Michelle Viotti
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/09/2003 - 0:10:00 Producer: Passaniti

AVC-2003-238-1/1 **Selected Scenes of Jim Garvin in Nevada**
Filmed on location at Sedan Crater, Nevada 11/03/2003.
Audience: Gen. Edu. JPL Resource Site: Nevada
Client: Michelle Viotti

Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/09/2003 - 0:10:00 Producer: Passaniti

AVC-2003-239-1/1 **NASA Unveils Observations & Name for Space Observatory - Video File**
VIDEO FILE: The Spitzer Space Telescope, formerly known as the Space Infrared Telescope Facility, detects objects to cold, dusty or distant to be seen otherwise. Animations and interviews with Dr. Michael Werner, Dr. George Rieke and David Gallagher.
Audience: News Resource
Client: NASA TV/Hill
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/11/2003 - 0:11:15 Producer: Kline

AVC-2003-240-1/1 **von Kármán Lecture Series - Exoplanetary Systems**
JPL Senior Research Scientist Dr. John Trauger will present "Pointing the Way to Exoplanetary Systems: New Initiatives in Space Astronomy and the Legacy of the Hubble Space Telescope"
Audience: Gen. Edu. Site: 186-AUD
Client: PSO, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/11/2003 - 1:10:31 Producer: Semerano

AVC-2003-241-1/1 **NASA First Person - Dr. Shyam Bhaskaran - Web Production**
JPL employee, Dr. Shyam Bhaskaran, of the Stardust mission is navigating a spacecraft to collect samples from Comet/Wild 2 and return them to earth. Produced for the Daily Planet and the JPL home page.
Audience: Gen. Edu.
Client: Angela Mcgahan
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
Produced for the Web
12/16/2003 - 0:02:46 Producer: Gary Savona

AVC-2003-242-1/1 **Challenges of Getting to Mars - Navigation**
Overview of the navigation of the Mars Exploration Rovers Spirit and Opportunity. Two versions (with and without music).
Audience: Gen. Edu. News Resource
Client: Michelle Viotti
Master: DVCProHD Submaster: DVCProHD

Audio 1: Mono mix 2: Mono mix
12/15/2003 - 0:02:31 Producer: Scott Hulme

AVC-2003-243-1/1 **Challenges of Getting to Mars - Impact to Egress**
Overview of the Impact to Egress phase of the Mars Exploration Rovers Spirit and Opportunity. Full version.
Audience: Gen. Edu. News Resource
Client: Michelle Viotti
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/22/2003 - 0:04:36 Producer: John Beck

AVC-2003-244-1/1 **Challenges of Getting to Mars - Impact to Egress (2 segments)**
Overview of the Impact to Egress phase of the Mars Exploration Rovers Spirit and Opportunity. Split version with two segments (02:20 and 02:22).
Audience: Gen. Edu. News Resource
Client: Michelle Viotti
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/22/2003 - 0:04:45 Producer: John Beck

AVC-2003-246-1/1 **Stardust Pre-Encounter News Briefing**
Participants:
Dr. Tom Morgan, Stardust Program Executive-NASA HQ, Tom Duxbury, Stardust Program Manager-JPL, Dr. Don Brownlee, Stardust Principal Investigator-University of Washington/Seattle, Ed Hirst, Stardust Mission Planner-JPL, Dr. Shyam Bhaskaran, Stardust Navigator/Imaging Science-JPL
Press Conference Ends at 39:40 Min. Total Running Time is 41:53 Min.
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/30/2003 - 0:41:53 Producer: Savona

AVC-2003-249-1/1 **Ring World**
The story of the international Cassini/Huygens mission to Saturn and Titan. The narrated DVD uses animation to explain the mission. Produced before the arrival to Saturn. Narrated by John Billingsley.
Audience: Gen. Edu.
Client: Cassini/Huygens
Master: DVD
Audio 1: Mono mix 2: Mono mix

Produced for planetarium use
11/01/2003 - 0:30:20 Producer: Brian Sullivan

AVC-2004-001-1/1 **MER Science Program News Briefing, 8:30am, 01/02/04**
Science Panel:
Dr. Jim Garvin-Lead Scientist for Mars Exploration Rovers, NASA Headquarters
Dr. Steve Squyres-Principal Investigator for Mars Exploration Rovers, Cornell University
Dr. John Grant-Mission Science Team Member, Smithsonian Institution
Dr. Joy Crisp-Project Scientist, NASA Jet Propulsion Laboratory
Dr. Dan McCleese-Chief Scientist for Mars Exploration Rovers, NASA Jet Propulsion Laboratory
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/02/2004 - 0:58:20 Producer: Savona

AVC-2004-002-1/1 **MER Mission News Briefing, 9:30am, 1/2/04**
Mission Panel:
Dr. Ed Weiler-Associate Administrator for Space Science/NASA Headquarters Dr. Charles Elachi-NASA Jet Propulsion Laboratory Director
Orlando Figueroa-Director, Mars Exploration Program/NASA Headquarters
Dr. Firouz Naderi-Manager, Mars Exploration Program/NASA Jet Propulsion Laboratory
Pete Theisinger-Project Manager, Mars Exploration Rover, NASA Jet Propulsion Laboratory
57:57 Min. End of briefing
58:55 Min. Replay of supporting video
59:55 Min. Total Running Time
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/02/2004 - 0:59:55 Producer: Savona

AVC-2004-003-1/1 **Commentary Stardust Encounter, 11:00am, 1/02/04**
Moderator:
Jane Platt, Media Relations Representative, JPL
Interviews:
Tom Duxbury-Stardust Project Manager, NASA Jet Propulsion

Laboratory
Dr. Don Brownlee-Stardust Principal Investigator/University of Washington-Seattle
Ed Hirst-Stardust Mission Planner/NASA Jet Propulsion Laboratory
Dr. Peter Tsou-Stardust Deputy Principal Investigator/NASA Jet Propulsion Laboratory
Dr. Martha Hanner-Stardust Co-Investigator/NASA Jet Propulsion Laboratory
Dr. Shyam Bhaskaran-Stardust Navigation/Imaging Science/NASA Jet Propulsion Laboratory,
Ray Newburn-Stardust Co-Imaging/NASA Jet Propulsion Laboratory
Don Yeomans-Deep Impact Dynamics Modeling/NASA Jet Propulsion Laboratory
Audience: Gen. News Site: JPL 230-MSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/02/2004 - 1:02:00 Producer: Savona

AVC-2004-004-1/1 **Missions Build Intrigue on Mars - Video File**
A series of animations showing flyovers of the Gusev Crater landing site for the Mars Exploration Rover "Spirit" and overviews of current and future Mars exploration plans.
Audience: News Resource
Client: Webster
Master: DVCPro25 Submaster: DVCPro25
Audio 1: MOS 2: MOS
01/02/2004 - 0:10:20 Producer: Kline

AVC-2004-005-1/1 **Stardust News Conference, 3:00pm, 1/2/04**
Panelists:
Orlando Figueroa-Director, NASA's Solar System Exploration Division/NASA Headquarters
Tom Duxbury-Stardust Project Manager/NASA Jet Propulsion Laboratory
Dr. Don Brownlee-Stardust Principal Investigator/University of Washington-Seattle
Ray Newburn-Stardust Co-Investigator, Imaging/NASA Jet Propulsion Laboratory
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/02/2004 - 1:07:19 Producer: Savona

AVC-2004-006-1/1 **MER "Spirit" Pre-Landing Status News Briefing, 12:00 noon, 01/03/04**
Panelists:
Peter Theisinger-Mars Exploration Rover Project Manager
Dr. Mark Adler-Deputy Mission Manager
Rob Manning-Mars Exploration Rover Project Entry, Descent & Landing Lead
Dr. Louis D'Amario-Mars Exploration Rover Navigation Team Chief
Jennifer Trosper-Spirit Mission Manager for Surface Operations
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/03/2004 - 1:03:00 Producer: Savona

AVC-2004-007-1/1 **MER "Spirit" Media Opportunity, 3:15pm, 01/03/04**
Panelists:
Dr. Ed Weiler-Associate Administrator for Space Science/NASA Headquarters
Dr. Charles Elachi-JPL Director
Mr. Orlando Figueroa-Director Mars Exploration Program/NASA Headquarters
Dr. Firouz Naderi-Manager Mars Exploration Program/JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/03/2004 - 0:53:36 Producer: Semerano

AVC-2004-008-1/1 **MER "Spirit" Commentary-EDL, 6:45pm-9:00pm, 01/03/04**
Moderator:
Gay Yee Hill-Media Relations Representative
Interviews:
Wayne Lee-EDL Specialist/JPL
Rob Manning-EDL Manager/JPL
Steve Squares-Athena Principal Investigator/Cornell University
Pete Theisinger-Project Manager, MER/JPL
Chris Jones-Director of Planetary Flight Projects/JPL
Audience: News Resource Site: 264 CMSA Area
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/03/2004 - 2:18:00 Producer: Savona

AVC-2004-009-1/1 **MER "Spirit" Post Landing Briefing, 9:30pm-10:30pm, 1/03/04**
Panelists:
Sean O'Keefe-Administrator/NASA Headquarters
Dr. Ed Weiler-Associate Administrator for Space Science/NASA Headquarters
Dr. Charles Elachi-Director/JPL
Pete Theisinger-Project Manager/JPL
Richard Cook-Deputy Project Manager/JPL
Rob Manning-Entry Descent & Landing Manager/JPL
(Landed & Got Tone!)
Audience: Tech. News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/03/2004 - 0:55:00 Producer: Semerano

AVC-2004-010-1/1 **MER "Spirit" Commentary, 11:00pm, 1/03/04**
Communications relay opportunity.
Moderator: Gay Yee Hill, Media Relations Representative
Interview: John Callas-Mars Exploration Rover Science Manager
First images shown from the Spirit rover
Audience: Gen. News Resource Site: JPL 264-SMSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/03/2004 - 1:04:40 Producer: Savona

AVC-2004-011-1/1 **MER "Spirit" Landing News Briefing, 12:30am, 1/04/04**
Panelist:
Sean O'Keefe-Administrator/NASA Headquarters
Dr. Ed Weiler-Assoc. Administrator for Space Science/NASA Headquarters
Dr. Charles Elachi-Director/JPL
Pete Theisinger-Project Manager/JPL
Jennifer Trosper-Spirit Mission Manager for Surface Operations
Dr. Steve Squyres-Athena Principal Investigator/Cornell University
First images shown from the Spirit rover.
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/03/2004 - 0:49:30 Producer: Savona

AVC-2004-012-1/1 **MER "Spirit" News Briefing, 9:00am, 1/04/04**
Intro: Natalie Godwin, Media Relations Rep.
Panelists:
Jennifer Trosper-Mission Manager/JPL Matt Wallace-Deputy Surface Development Manager/JPL
Dr. Steven Squyres-Principal Investigator/Cornell University
Brian Portock-Navigation Team/JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/04/2004 - 0:58:20 Producer: Savona

AVC-2004-013-1/1 **MER "Spirit" Commentary, 11:45am-12:15pm, 1/4/04**
Rover Communication Session
Moderator:
Gay Yee Hill- JPL Media Relations Representative
Interview:
Jan Ludwinski-Mars Exploration Rover Mission Team Planning Chief/JPL
Audience: Gen. News Resource Site: JPL 264-SMSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/04/2004 - 0:58:00 Producer: Savona

AVC-2004-014-1/1 **MER "Spirit" Commentary, 2:25pm, 1/04/04**
Rover Communication Session.
Moderator:
Gay Yee Hill-JPL Media Relations Representative
Interview:
Jan Ludwinski-MER Mission Team Planning Chief/JPL
Audience: Gen. News Resource Site: JPL 264-SMSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/04/2004 - 0:34:00 Producer: Savona

AVC-2004-015-1/1 **MER "Spirit" Commentary, 7:00pm, 1/04/04**
Rover communication session.
Moderator: Gay Yee Hill-JPL Media Relations Representative
Interview: Dr. Mark Adler-Deputy Mission Manager/JPL
Audience: Gen. News Resource Site: JPL 264-SMSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
01/04/2004 - 1:00:00 Producer: Savona

AVC-2004-016-1/1 **MER "Spirit" News Briefing, 8:00pm, 1/4/04**
Mars "Dream Team"
Panelists:
Jason Willis-EDL Flight Director/JPL
Prasun Desai-EDL Trajectory Analyst/JPL
Miguel San Martin-Attitude Control Lead/JPL
Julie Townsend-Cruise Activity Lead/JPL
Wendy Calvin-Participating Scientist/JPL
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/04/2004 - 0:56:29 Producer: Savona

AVC-2004-017-1/1 **Spirit HD Landing Compilation**
VTV-1002 Edited HDTV compilation of MER Spirit landing
Audience: Gen. Resource Site: JPL
Client: Baggett, Org. 1800
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/04/2004 - 0:12:20 Producer: Beck

AVC-2004-018-1/1 **MER "Spirit" Commentary, 9:00pm, 1/04/04**
Moderator:
Gay Yee Hill- Media Relations Representative
Interview:
Dr. Mark Adler-Deputy Mission Manager/JPL
Audience: Gen. News Resource Site: JPL 264-SMSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/04/2004 - 0:58:42 Producer: Savona

AVC-2004-019-1/1 **MER "Spirit" News Briefing, 9:00am, 1/05/04**
Intro:
Veronica McGregor-Media Relations Rep.
Panelists:
Matt Wallace-Mission Manager/JPL
Dr. Steven Squyres-Principal Investigator
Art Thompson-Tactical Uplink Lead/JPL
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
01/05/2004 - 1:08:00 Producer: Savona

AVC-2004-020-1/1 **MER "Spirit" News Briefing, 9:00am, 1/6/04**
Panelists:
Dr. Firouz Naderi-Manager of Mars Exploration Program
Dr. Jim Bell-Payload Element Lead for the PanCam
Dr. Steve Squyres-Principal Investigator
Jennifer Trosper-Mission Manager for Surface Operations
Jessica Collisson-Flight Director
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/06/2004 - 1:08:00 Producer: Savona

AVC-2004-021-1/1 **Stardust Post-Encounter News Briefing, 1:00pm, 1/6/04**
Panelists:
Tom Duxbury-Stardust Project Manager
Dr. Don Brownlee-Stardust Principal Investigator
Dr. Thanasis (Tom) Economou-Stardust Dust Flux Monitor Team/University of Chicago
Dr. Benton Clark-Chief Scientist for Solar Exploration, Lockheed Martin Space Systems
Ray Newburn-Stardust Co-Investigator, Imaging
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/06/2004 - 1:00:00 Producer: Savona

AVC-2004-023-1/1 **MER "Spirit" News Briefing, 9:00am, 1/07/04**
Panelists:
Dr. Firouz Naderi-Manager, Mars Exploration Rover
Dr. Joy Crisp-Project Scientist for the Mission/JPL
Dr. Jim Bell-Payload Element Lead for the Pan Cam/ Cornell University
Dr. Ray Arvidson-Deputy Principal Investigator/Washington University
Arthur Amador-SOL 5 Mission Manager/JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/07/2004 - 1:08:00 Producer: Savona

AVC-2004-024-1/1 **MER "Spirit" News Briefing, 9:00am, 1/08/04**
Panelists:
Dr. Albert Haldemann-Deputy Project Scientist/JPL Dr. Jim Bell-Payload Element Lead for the Pan Cam/Cornell University
Courtney Dressing-High school student from Virginia
Rafael Morozowski-High school student from Brazil Matt Wallace-Sol 6 Mission Manager/JPL
Henry Stone-Engineering Team Chief/JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/08/2004 - 1:06:30 Producer: Savona

AVC-2004-025-1/1 **Red Rover Goes To Mars - Student Astronauts B-Roll Compilation**
A brief compilation of b-roll of Student Astronauts Courtney Dressing and Rafael Morozowski working with the Spirit rover team.
Audience: Edu. News Resource
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/08/2004 - 0:01:27 Producer: Scott Hulme

AVC-2004-026-1/1 **MER "Spirit" News Briefing, 9:00am, 1/9/04**
Panelists:
Dr. Albert Haldemann-Deputy Proj. Scientist/JPL Dr. Phil Christensen-Payload Element Lead-Mini-Thermal Emission Spectrometer/Arizona State University
Dr. Steve Squyres-Principal Investigator/Cornell University
Pete Theisinger-MER Project Manager/JPL
Matt Wallace-MER Mission Manager/JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/09/2004 - 1:11:00 Producer: Savona

AVC-2004-027-1/1 **MER "Spirit" News Briefing, 9:00am, 1/10/04**
Panelists:
Jennifer Trosper - Mission Manager/JPL,
Chris Voorhees - Mechanical Systems Engineer/JPL,
Dr. Joy Crisp - Project Scientist/JPL,
Dr. Matt Golombek - Science Team Member/JPL
Dr. Mark Lemmon - Science Team Member/Texas A & M
Audience: News Resource Site: JPL/von Kármán

Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/10/2004 - 1:04:51 Producer: Kline

AVC-2004-028-1/1 **MER "Spirit" News Briefing, 9:00am, 1/11/04**
Intro: Natalie Goodwin, Media Relations Rep.
Panelists:
Arthur Amador - SOL 5 Mission Manager/JPL
Dr. John Callas - Mars Exploration Rover Project Manager/JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/11/2004 - 1:00:00 Producer: Savona

AVC-2004-029-1/1 **MER "Spirit" News Briefing, 9:00am, 1/12/04**
Intro:
Natalie Goodwin, Media Relations Rep.
Panelists:
Dr. Joy Crisp-Project Scientist for the Mission at JPL
Dr. Michael Malin-Science Team Member at Malin Space Science Systems
Dr. John Grotzinger-Science Team Member/MIT
Arthur Amador-Mission Manager at JPL
Kevin Burke-Egress Mechanical Lead at JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/12/2004 - 0:55:00 Producer: Savona

AVC-2004-031-1/1 **MER "Spirit" News Briefing, 9:00am, 1/13/04**
Intro: Veronica McGregor, Media Relations Rep.
Panelists:
Chris Lewicki-Flight Director/JPL
Joe Guinn-Navigation Team Member/JPL
Dr. Tim Parker-Science Team Member-Landing Site Mapping Scientist/JPL
Dr. Steve Squyres-Principal Investigator/Cornell University
Rob Manning-Entry, Descent and Landing Development Manager/JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

01/13/2004 - 1:09:10 Producer: Savona

AVC-2004-032-1/1 **MER "Spirit" News Briefing, 9:00am, 1/14/04**
Intro: Natalie Goodwin, Media Relations Rep.
Panelists: Jennifer Trosper-Mission Manager/JPL
Kevin Burke-Egress Mechanical Lead/JPL
Dr. Justin Maki-Imaging Scientist/JPL
Dr. Albert Haldemann-Deputy Project Scientist/JPL
Dr. Ray Arvidson-Deputy Principal Investigator
Washington University in St. Louis
Dr. Micheal Smith-Science Team Member/NASA Goddard Space Flight Center
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:50:42 Producer: Savona

AVC-2004-033-1/1 **President George W. Bush's Vision Announcement**
NASA Headquarters feed via LATOC
President George W. Bush offered his vision for America's continued leadership in space exploration. The president was joined by NASA Administrator Sean O'Keefe at NASA Headquarters.
Audience: NASA News Resource Site: NASA HQ
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:42:28 Producer: NASA HQ

AVC-2004-034-1/1 **Vice President Dick Cheney Visits JPL**
Vice President Dick Cheney addressed the Mars Exploration Rover Project Team and the JPL community. NASA's Deputy Administrator Fred Gregory and JPL's Director Dr. Charles Elachi also addresses the JPL community.
Audience: JPL Resource Site: JPL Mall Area
Client: Media Relations, Org. 1810
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:00:00 Producer: Savona

AVC-2004-035-1/1 **Vice President Dick Cheney Visits JPL - Video File**
Vice President Dick Cheney addressed the Mars Exploration Rover Project Team and the JPL community. NASA's Deputy Administrator Fred Gregory and JPL's Director Dr. Charles Elachi also addresses the JPL community.

Audience: News Resource Site: JPL Mall Area
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:12:42 Producer: Savona

AVC-2004-037-1/1 **MER "Spirit" Egress Commentary, 12:30am, 1/15/04**
Moderator: Gay Yee Hill-JPL Media Relations Rep.
Interview: Rob Manning-Mars Exploration Rover Project Entry, Descent and Landing Lead/JPL
Audience: News Resource Site: JPL 264-SMSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/15/2004 - 1:31:00 Producer: Savona

AVC-2004-038-1/1 **MER "Spirit" News Briefing, 2:45am, 1/15/04**
Intro: Gay Yee Hill, Media Relations Rep.
Panelists: Dr. Charles Elachi-JPL Director
Pete Theisinger-Project Manager Exploration Rover/JPL
Jennifer Trosper-Mission Manager for Surface Operations/JPL
Kevin Burke-Lead Mechanical Engineer for Egress Chris Lewicki-Flight Director/JPL
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/15/2004 - 1:15:05 Producer: Savona

AVC-2004-039-1/1 **NASA Update with Sean O'Keefe**
NASA's Administrator Sean O'Keefe announced, "Now we have a Rover", once the rover Spirit rolled onto the Mars atmosphere this early morning. He discussed the Presidential announcement and the implications of the Columbia Shuttle disaster. He stated now we will step up to the challenges.
Audience: JPL NASA Site: NASA HQ
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/15/2004 - 1:30:50 Producer: HQ (Ziats)

AVC-2004-041-1/1 **MER "Spirit" News Briefing, 10:00am, 1/16/04**
Intro: Veronica McGregor-JPL Media Relations Rep.
Panelists:
Dr. Mark Adler-Mission Manager/JPL
Dr. Eric Baumgartner-Lead Engineer for Robotic Arm/JPL

Dr. Ken Herkenhoff-Science Lead for Microscopic Imager/U.S. Geological Survey
Jessica Collisson-Flight Director-JPL
Dr. Rob Sullivan-Science Team Member/Cornell University
Dr. Joy Crisp-Project Scientist/JPL
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/16/2004 - 0:54:30 Producer: Savona

AVC-2004-042-1/1 **Landing Day Compilation - MER "Spirit"**
Edited footage of control room at JPL during MER "Spirit" Landing Day. Includes footage of team when first images returned.
Audience: Edu. News Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/04/2004 - 0:09:48 Producer: Beck/Passaniti

AVC-2004-043-1/1 **MER Sol 2 Science Team Meeting Compilation**
Science Goals Assessment Team Meeting. Steve Squyres presiding. MER Science Team discusses objectives for up coming sols.
Audience: Edu. News Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/06/2004 - 0:12:39 Producer: Passaniti

AVC-2004-044-1/1 **MER "Spirit" Stand Up Compilation**
MER Team reacts to confirmation of stand up deployment of Spirit rover.
Audience: Edu. News Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/10/2004 - 0:04:42 Producer: Beck

AVC-2004-045-1/1 **MER Egress Turn and Roll Test**
MER Egress Turn and Roll off test in ISIL in preparation for Spirit actual roll off. Edited for TV.
Audience: Gen. Edu. News Site: JPL
Client: Gay Yee Hill, Org. 1810
Master: DVCProHD

Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:02:00 Producer: Passaniti

AVC-2004-046-1/1 **MER Egress Turn and Roll Compilation**
MER Egress Turn and Roll testing (three tests) for Spirit's upcoming roll off.
Audience: Edu. News Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:11:05 Producer: Passaniti

AVC-2004-047-1/1 **Vice President Dick Cheney Visit to JPL Mall Presentation**
HD Compilation of Vice President Dick Cheney's visit to JPL. Speeches by General Tattini, NASA's Deputy Administrator Fred Gregory and JPL's Director Dr. Charles Elachi.
Audience: Edu. News Resource Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:13:54 Producer: Passaniti

AVC-2004-048-1/1 **Mars Exploration Rover: Launch through Exploration**
This is a combination of the actual launch of the "Spirit" Mars Exploration Rover and an animation of the rover's exploration of Mars. The rover in the animation moves much faster than the real rover did.
Audience: Gen. Resource
Client: Scholastic-Grolier
Master:
Audio 1: Mono mix 2: Mono mix
01/16/2004 - 0:09:09 Producer: Kline

AVC-2004-049-1/1 **MER "Spirit" News Briefing, 9:00am, 1/19/04**
Panelists:
Dr. Mark Adler-Mission Manager/JPL
Dr. Eddie Tunstel-Mission Manager/JPL
Dr. Dave Des Marais-Researcher/NASA's Ames Research Center
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/19/2004 - 0:43:30 Producer: Savona

AVC-2004-050-1/1 **Passport to Knowledge - "First Look" (MER)**
Houston-

Host: Bill Nye
Guests: Orlando Figueroa NASA HQ (Director of Solar System Exploration and "Mars Czar"), Carolyn Sumners, HMNS, Alisha Oakes, Maricela, Lori, etc., UHD
JPL-
Host: Stephenie Lievense
Guests, live and on tape: Steve Squyres, Cathy Weitz, Kobie Boykins, Zoe Learner, Wayne Lee or Rob Manning, TPS "Red Rover Goes to Mars" kids and ATHENA Student Interns involved in MER
Program Description:
PASSPORT TO KNOWLEDGE presented "FIRST LOOK", hosted by Bill Nye The Science Guy, an hour-long interactive program originating live from NASA's Jet Propulsion Laboratory in Pasadena, CA (home base for the rover mission), and from several action-packed locations in the Houston Museum of Natural Science in Houston. Premiering just a few days after "Spirit" began roving around the Red Planet, the program provided a literal "first look" at astonishing new vistas and science data "just in" from Mars. On camera at JPL commenting on the first new pictures and observations, lead Science Investigator, Steve Squyres, and Cathy Weitz, NASA's Mars Exploration Rover Program Scientist. Entry, Descent and Landing engineer, Adam Steltzner, provided a play-by-play of "Spirit's" exciting but risk-filled landing, and look ahead to "Opportunity's" arrival on January 24th. Mechanical engineer Kobie Boykins explained the challenges of deploying the solar panels and science instruments, and the difficult task of getting off the lander petals and safely onto the Martian surface. Science team member Zoe Learner described results from the first experiments using the cameras and the rover's sophisticated sensors. Stephenie Lievense hosts at JPL.
Audience: Gen. Edu. Site: JPL & Houston
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/17/2004 - 0:58:00 Producer: Geoff Haines-Stiles

AVC-2004-051-1/1 **MER "Spirit" News Briefing, 9:30am, 1/20/04**
Intro: Natalie Goodwin-Media Relations Rep.
Panelists: Dr. Steve Squyres-Principal Investigator/Cornell Dr. Goestar Klingelhoefer-Payload Element Lead for Moessbauer Spectrometer/University Mainz, Germany Dr. Johannes Brueckner-Science Team/Max Planck Institute for Chemistry/Germany

Jennifer Trosper-Mission Manager/JPL
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/20/2004 - 0:37:30 Producer: Savona

AVC-2004-052-1/1 **MER "Spirit" News Briefing, 10:00am, 1/21/04**
Intro: Veronica McGregor, Media Relations Rep.
Panelists: Randel Lindemann-Mechanical Subsystem Engineer/Jet Propulsion Laboratory
Jennifer Trosper-Mars Exploration Rover Mission Manager/Jet Propulsion Laboratory
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/21/2004 - 0:57:10 Producer: Savona

AVC-2004-054-1/1 **January 3, 2004 -- MER "Spirit" Landing Day (HDTV)**
Fast-paced story of the Mars Exploration Rover "Spirit" landing on Mars including signal confirmation and first images. Uses animation and footage of the excited team members in the Mission Support Areas.
Audience: Gen. Edu. Resource Site: JPL & animation
Client: Baggett, Org. 1800
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/14/1904 - 0:03:44 Producer: Beck/Baggett

AVC-2004-056-1/1 **MER "Spirit" News Briefing, 9:00am, 1/22/04**
Intro: Veronica McGregor, Media Relations Rep.
Panelists: Pete Theisinger-Mars Exploration Rover Project Manager/Jet Propulsion Laboratory and Richard Cook-Mars Exploration Rover Deputy Project Manager Jet Propulsion Laboratory
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/22/2004 - 0:26:30 Producer: Savona

AVC-2004-057-1/1 **Shuttle Radar Topography Mission (SRTM) Maps Eurasia - Video File**
NASA and the Nat'l Geospatial-Intelligence Agency have released a new digital data set of most of Europe and Asia, plus numerous islands in the Indian and Pacific Oceans,

created by the Shuttle Radar Topography Mission (SRTM). Interview with Dr. Robert Crippen follows animation & b-roll.
Audience: News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/22/2004 - 0:14:47 Producer: Savona

AVC-2004-058-1/1 **MER "Spirit" Roll Off Lander Sol 12**
HDTV compilation of "Spirit" egress off of lander onto dirt. MER team reaction to commands being sent and first images returned to MSA.
Audience: Resource Site: JPL
Client: , Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/15/2004 - 0:06:02 Producer: Rino Passaniti

AVC-2004-059-1/1 **Hematite Animation of Meridiani**
Animated flyover of the Meridiani landing site for the Mars Exploration Rover "Opportunity" uses color to highlight the locations of minerals, including hematite.
Audience: Resource
Client: G. Webster
Master: DVCPro25 Submaster: BCAMsp
Audio 1: MOS 2: MOS
01/22/2004 - 0:01:02 Producer: Kline/Noss

AVC-2004-060-1/1 **Imagery from Spirit Rover - Video File**
Three animated pans and a series of still images, including a 3-D anaglyph, made from data supplied by the Mars Exploration Rover "Spirit" during the early part of its mission on the Martian surface.
Audience: News Resource
Client: G. Webster
Master: DVCPro25 Submaster: BCAMsp
Audio 1: MOS 2: MOS
01/22/2004 - 0:10:20 Producer: Kline/DIAL

AVC-2004-061-1/1 **MER "Opportunity" News Briefing, 9:00am, 1/23/04,**
Intro: Natalie Goodwin, Media Relations Rep.
Panelists: Dr. Jim Garvin-Lead Scientist for Mars Exploration/NASA Headquarters
Dr. Joy Crisp-Project Scientist/Jet Propulsion Laboratory
Dr. Ray Arvidson-Deputy Principal Investigator/Washington

University, St. Louis
Audience: News Resource Site: JPL von Karma
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/23/2004 - 0:48:00 Producer: Savona

AVC-2004-062-1/1 **MER "Spirit" News Briefing, 10:00am, 1/23/04**
Intro: Veronica McGregor, Media Relations Rep.
Panelist:
Pete Theisinger-Project Manager
Wayne Lee-Chief Engineer for Entry, Descent and Landing
Miguel San Martin-Guidance & Control Chief for Entry Descent and Landing
Dr. Adam Steltzner-Mechanical Systems Lead for Entry Descent and Landing
Dr. Mike Malin-Principal Investigator for MGS Orbital Camera/Science Team Member for MER Mission.
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/23/2004 - 1:00:30 Producer: Savona

AVC-2004-063-1/1 **Opportunity Landing Day Comp Reel**
Contains:
Spirit Launch into Maas Animation 8:12;
Spirit Landing Day 3:44;
Spirit Roll Off Day 6:00;
Sol 10 Panorama 2:20;
Sol 16 Sunday Drive 00:12;
Sol 13 Robot Arm Stretch 00:23;
Sol 16 Adirondack Rock 1:03;
Sol 18 Empty Nest 2:28
Audience: Resource Site: JPL
Client: V McGregor, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 0:26:22 Producer: Passaniti

AVC-2004-064-1/1 **MER "Opportunity" Landing Update, 12:00 noon, 1/24/04**
Panelists:
Pete Theisinger - Project Manager/JPL
Jim Erickson - Opportunity Mission Manger/JPL
Dr. Louis D'Amario - Navigation Team Manager/JPL
Nagin Cox - Deputy Engineering Team Chief/JPL

Rob Manning - Entry, Descent & Landing Manager/JPL
Audience: News Resource Site: JPl von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 1:01:00 Producer: Savona

AVC-2004-065-1/1 **MER "Opportunity" Fireside Chat, 2:00pm, 1/24/04**
Panelists:
Dr. Ed Weiler-Associate Administrator for Space Science/NASA Headquarters
Dr. Charles Elachi-JPL Director
Orlando Figueroa-Director Mars Exploration Rover Program/NASA Headquarters
Firouz Naderi-Mars Exploration Rover Manager/Jet Propulsion Laboratory
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 0:56:30 Producer: Savona

AVC-2004-066-1/1 **MER "Opportunity" O'Keefe Mars Chat, 4:00pm, 1/24/2004**
Intro: Don Salvage/NASA Headquarters Public Affairs
Panelist: Sean O'Keefe-Administrator/NASA Headquarter
Dr. Charles Elachi-Jet Propulsion Laboratory Director
Dr. Ed Weiler-Associate Administrator of Space Sciences/NASA Headquarters
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 1:02:00 Producer: Savona

AVC-2004-067-1/1 **MER "Opportunity" Commentary, 7:30pm, 1/24/04**
Moderators:
Gay Yee Hill-Media Relations Rep. and Chris Jones-Director for Planetary Flight Projects
Interviews: Dr. Firouz Naderi-Manager of MER Program/JPL
Pete Theisinger-Project Manager/JPL
Rob Manning-Entry, Descent and Landing Manager/JPL
Dr. Joy Crisp-Project Scientist/JPL
Audience: News Resource Site: BLDG. 230
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

01/24/2004 - 2:13:00 Producer: Savona

AVC-2004-068-1/1 **MER "Opportunity" Post Landing News Briefing, 10:30pm, 1/24/04**
Intro: Veronica McGregor, Media Relations Rep.
Panelists: Sean O'Keefe-Administrator/NASA Headquarters
Dr. Ed Weiler-Associate Administrator of Space Sciences/NASA Headquarters
Dr. Charles Elachi-Director of JPL
Pete Theisinger-Project Manager
Richard Cook-Deputy Project Manager/JPL
Rob Manning-Entry, Descent and Landing Manager
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 0:58:40 Producer: Savona

AVC-2004-069-1/1 **MER "Opportunity" Commentary, 12:45am, 1/25/04**
First Images
Moderator: Gay Yee Hill, Media Relations Representative
Interviews: Dr. John Callas-Mars Exploration Rover Science Manager/Jet Propulsion Laboratory
Audience: News Resource Site: JPL 264-SMSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/25/2004 - 0:48:00 Producer: Savona

AVC-2004-070-1/1 **MER "Opportunity" First Pictures News Briefing, 2:00am, 1/25/04**
Intro: Veronica McGregor-Media Relations Rep.
Panelists: Dr. Charles Elachi- Director of JPL
Pete Theisinger- Project Manager/JPL
Richard Cook- Deputy Project Manager/JPL
Matt Wallace- Flight Systems Project Manager/JPL
Dr. Steve Squyres- Principal Investigator/Cornell University
Dr. Larry Soderblom- Athena Team Member/United States Geological Survey
Audience: News Resource Site: JPL/von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/25/2004 - 0:44:00 Producer: Savona

AVC-2004-071-1/1 **MER Opportunity Commentary, 11:30am, 1/25/04**
Moderator: Gay Yee Hill, Media Relations Representative
Interview: Jan Ludwinski-Mars Exploration Rover Mission

Planning Chief/Jet Propulsion Laboratory
Audience: News Resource Site: JPL 264-SMSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/25/2004 - 1:05:30 Producer: Savona

AVC-2004-072-1/1 **MER Opportunity & Spirit News Briefing, 1:00pm, 1/25/04**
Intro: Natalie Goodwin-Media Relations Representative
Panelists: Pete Theisinger-Mars Exploration Rover Project Manager/Jet Propulsion Laboratory
Arthur Amador-Mission Manager/Jet Propulsion Laboratory
Dr. Steve Squyres-Principal Investigator/Cornell University
Dr. Doug Ming-Science Team Member/NASA Johnson Space Center
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/25/2004 - 0:59:50 Producer: Savona

AVC-2004-073-1/1 **MER "Opportunity" News Briefing, 9:00am, 1/26/04**
Intro: Veronica McGregor, Media Relations Rep.
Panelists: Dr. Steve Squyres-Principal Investigator/Cornell University
Dr. Jim Bell-Panoramic Camera Team Lead/Cornell University
Jennifer Trosper-Mission Manger/JPL
Jim Erickson-Mission Manager/JPL
SET
Jackie Lyra-Activity Lead/JPL
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/26/2004 - 1:00:20 Producer: Savona

AVC-2004-074-1/1 **"Opportunity" Landing Night Highlights**
VTV-1008 Excerpts from NASA TV coverage of the enter, descent and landing of the Mars Exploration Rover "Opportunity." Mix of HD and SDTV.
Audience: News Resource Site: JPL 230 CSMA
Client: Media Relations
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 0:07:45 Producer: Beck

AVC-2004-075-1/1 **Roll-ins for Commentary during EDL of MER "Opportunity"**

Pancam pan of landing site; EDL section of Maas anim.; "Spirit" parachute anim. based on data; Meridiani hematite flyover; old Odyssey anim.; airbag deflation test (testbed); various stills & sequences from Spirit images; rock "Adirondack" in 3-D; pan of Lander after Spirit had left it.
Audience: Resource
Client: JPL
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 0:12:37 Producer: Savona

AVC-2004-076-1/1 **Mars Exploration Rover Briefing, 9:00am, 1/27/04**
Intro: Veronica McGregor-Media Relations Rep.
Panelists: Dr. Steve Squyres-Principal Investigator/Cornell University, Dr. Andrew Knoll-Science Team Member/Harvard University, Jim Erickson-Mission Manager/Jet Propulsion Laboratory, Jennifer Trosper-Mission Manager/Jet Propulsion Laboratory
Audience: News Resource Site: JPl von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/27/2004 - 1:04:00 Producer: Savona

AVC-2004-077-1/1 **Rover Navigation 101 - Web Production**
Animation that describes the autonomous navigation system done by the Mars Exploration Rovers for their treks on Mars.
Animation Jack Morrison Principle Investigator Mark Maimone
Audience: Gen. Edu. Resource
Client: Viotti
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/27/2004 - 0:05:00 Producer: Passaniti

AVC-2004-078-1/1 **Mars Exploration Rover Briefing, 9:00am, 1/28/04**
Intro: Natalie Goodwin, Media Relations Rep.
Panelists: Dr. Rick Welch-Activity Lead/Jet Propulsion Laboratory
Dr. Matt Golombek-Science Team Member/Jet Propulsion Laboratory
Dr. Jim Bell-Lead Scientist for the Pan Cam/Cornell University
Jennifer Trosper-Mission Manager/Jet Propulsion Laboratory
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
01/28/2004 - 0:59:00 Producer: Savona

AVC-2004-079-1/1 **Columbia Memorial Ceremony**
Audience: NASA Site: NASA-TV
Client:
Master:
Audio 1: Mono mix 2: Mono mix
01/29/2004 - 1:00:00 Producer: NASA-TV

AVC-2004-080-1/1 **Army 2nd Lt. Todd J. Bryant Memorial Flag Ceremony**
Mr. & Mrs. Larry Bryant present to JPL the flag flown above the U.S. Capitol the day their son Todd, killed during Operation Iraqi Freedom, was laid to rest. The flag was hung in the Mission Support Area for the landing of the Opportunity rover on Mars. Excerpts of landing also included.
Audience: News Resource Site: JPL
Client: Bryant
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 0:07:03 Producer: Hulme

AVC-2004-082-1/1 **Mars Exploration Rover Briefing, 9:00am, 1/30/04**
Panelists: Dr. Mark Adler, Mission Manager/JPL
Daniel Limonadi, Rover Systems Engineer/JPL
Dr. Ron Li, Science Team Member, Ohio State Univ.
Dr. Ray Arvidson, Deputy Principal Investigator, Washington Univ. in St. Louis
Dr. Bodo Bernhardt, Science Team Member, Univ. of Mainz, Germany
Dr. Dick Morris, Science Team Member, NASA Johnson Space Center
Audience: News Resource Site: vK Aud. / JPL
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/30/2004 - 0:45:35 Producer: Savona

AVC-2004-083-1/1 **Mars Student Imaging Project - Video File**
Compilation of footage of students working on the Mars Student Imaging Project, a NASA education program that allows students to take their own picture of Mars.
Audience: News Resource
Client: Media Relations
Master: DVCPro25

Audio 1: Mono mix 2: Mono mix
01/30/2004 - 0:08:00 Producer: Hulme

AVC-2004-084-1/1 **Mars Exploration Rover Opportunity Egress - Video File**
Pan of landing site. Images made immediately after egress. Go/no-go poll. Uplinking the command to egress. First images.
Audience: News Resource
Client: Webster
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/31/2004 - 0:07:59 Producer: Kline

AVC-2004-086-1/1 **Mars Exploration Rover News Briefing, 4:00am, 1/31/04**
Panelists: Matt Wallace, Mission Manager/JPL
Joel Krajewski, Chief Engineer, Impact to Egress/JPL
Kevin Burke, Lead Mechanical Engineer for Egress/JPL
Chris Lewicki, Flight Director/JPL
Chris Salvo, Flight Director, Dr. Phil Christensen, Lead Scientist for Mini-TES/JPL
Audience: News Resource Site: von Kármán Aud.
Client: , Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/31/2004 - 0:40:25 Producer: Savona

AVC-2004-087-1/1 **Mars Exploration Rover Press Briefing, 9:00am, 2/02/04**
Panelists:
Dr. Jeff Johnson, Science Team Member/
U.S. Geological Survey - Flagstaff
Joe Melko, Systems Engineer For Robotic Arm/JPL
Jennifer Trosper, Mission Manger/JPL
Audience: News Resource Site: vK Aud. / JPL
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/02/2204 - 0:36:20 Producer: Savona

AVC-2004-088-1/1 **Opportunity Science Assessment Meeting, Sol 2**
Edited raw footage compilation of the Mars Exploration Rover Science Team members discussing plans for Opportunity at its landing site, Meridiani Planum. Compiled from HD source material.
Audience: Resource Site: JPL
Client: Michelle Viotti
Master: DVCProHD

Audio 1: Mono mix 2: Mono mix
01/26/2004 - 0:19:57 Producer: Hulme

AVC-2004-089-1/1 **NASA Administrator O'Keefe on NASA Budget**
NASA Admin. Sean O'Keefe gives an overview of the new NASA budget
Audience: JPL NASA
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/03/2004 - 1:29:00 Producer: NASA TV

AVC-2004-091-1/2 **Egress Commentary for "Opportunity", 12:00-3am, 1-31-04**
Moderator: Gay Yee Hill, Media Relations Representative
Interview: Jim Erickson, Mars Exploration Rover Mission Manager/Jet Propulsion Laboratory
Audience: News Resource Site: JPL
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/31/2004 - 3:06:00 Producer: Savona

AVC-2004-091-2/2 **Egress Commentary for "Opportunity", 3:06-3:22am, 1-31-04**
Part 2 of 2
Audience: News Resource Site: JPL
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/31/2004 - 0:21:06 Producer: Savona

AVC-2004-092-1/1 **Mars Exploration Rover Project News Briefing, 10:00am, 2/04/04**
Panelists: Dr. Steve Squyres-Principal Investigator/Cornell
Dr. Ken Herkenhoff-Lead Scientist for Microscopic Imager/Flagstaff
Dr. Hap McSween-Science Team Member/Univ. of Tennessee
Dr. Franz Renz-Science Team Member/University of Mainz
Dr. Mark Adler-Spirit Dep. Mgr/JPL
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/04/2004 - 0:49:20 Producer: Savona

AVC-2004-093-1/1 **Mars Exploration Rover News Briefing, 10:00am, 2/6/04**
Moderator: Natalie Godwin, Media Relations Rep.
Panelists: Jennifer Trosper-Spirit Mission Manager/JPL

Glenn Reeves-Flight Software Architect/JPL
Stephen Gorevan-Payload Element Lead for Rock Abrasion Tool/Honeybee Robotics, New York
Dr. Ken Herkenhoff-Lead Scientist for Microscopic Imager/U.S. Geological Survey, Flagstaff
Matt Wallace-Opportunity Mission Manager/JPL
Audience: News Resource Site: JPL von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/06/2004 - 0:43:00 Producer: Savona

AVC-2004-094-1/1 **Mars Exploration Rover EDL Team Celebrates at News Conference**
Members of the Mars Exploration Rover Entry, Descent & Landing team celebrate at the post-landing press conference for Opportunity.
Audience: News Resource
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/24/2004 - 0:03:25 Producer: Beck

AVC-2004-095-1/1 **Mars Exploration Rover Project News Briefing, 9:00am, 2/9/04**
Intro: Natalie Goodwin, Media Relations Rep.
Panelist: Tim McElrath-Deputy Chief, Navigation Team/JPL
Dr. Andrew Johnson-Descent Image Motion Estimation System Engineer/JPL
Dr. Tim Parker-Science Team Member/JPL
Dr. Michael Malin-Science Team Member/Malin Space Science Systems
Dr. Steve Squyres-Principal Investigator/Cornell University
Dr. Mark Maimone-Mobility Software Engineer/JPL
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/09/2004 - 0:45:30 Producer: Savona

AVC-2004-096-1/1 **Overview Compilation of Spirit & Opportunity to Date**
Made for NASA's Italian office. [1] Animation, [2] Spirit's location ID'd, [3] 360-degree pan, [4] Opportunity's location ID'd, [5] Pan of Opportunity's empty lander, [6] Edited version of EDL (Entry, Descent, Landing) including mission control scenes.
Audience: Resource
Client: NASA

Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/10/2004 - 0:26:21 Producer: Kline

AVC-2004-097-1/1 **Opportunity 1st Image Return Compilation**
Compiled from HD. Mars Exploration Rover Team reacts to the 1st images sent back from the Opportunity rover.
Audience: News Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/25/2004 - 0:08:12 Producer: R. Passaniti

AVC-2004-098-1/1 **Spirit Sol 30 Operations - Brush attempt on Adirondack & IDD fault**
Edited raw footage compilation. Spirit team members send commands for the rover to exercise its Instrument Deployment Device, but find that a Sun-finding fault hinders the rover's progress. Audio channels 1 & 2: VOCA net & Camera mike.
Audience: Resource Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: VOCA net 2: Camera mic
02/02/2004 - 0:12:08 Producer: Hulme

AVC-2004-099-1/1 **Opportunity Sol 12 Operations - IDD stow & drive toward outcrop**
Edited raw footage compilation. Opportunity team members send commands for the rover to stow its Instrument Deployment Device and drive toward the nearby rock outcrop. Audio channels 1 & 2: VOCA net & Camera mic.
Audience: Resource Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: VOCA net 2: Camera mic
02/05/2004 - 0:13:45 Producer: Hulme

AVC-2004-100-1/1 **Mars Exploration Rover News Briefing 2/12/04**
Panelists: Art Thompson/ Tactical Uplink Lead, Dr. Mark Lemmon/Science Team Member, Dr. Don Banfield/Science Team Collaborator, Sheri Klug/Pre-College Mars Educ., Dr. Wendy Calvin/Science Team Member, Shannon Thiessen/High School Student
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

02/12/2004 - 1:00:00 Producer: Savona

AVC-2004-101-1/1 **Spitzer Space Telescope Sends a Valentine - Video File**
NASA's Spitzer Space Telescope captures an image showing a cluster of newborn stars shaped like a shimmering pink rosebud. This rose-like nebula called "NGC 7129" is located 3,330 light years away in the constellation Cepheus.
Audience: News Resource Site: JPL
Client: Gay Yee Hill
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/11/2004 - 0:00:40 Producer: Semerano

AVC-2004-102-1/1 **PlanetQuest - The Search for Another Earth**
Dr. Geoff Marcy is featured in a production highlighting the continuing discovery of planets around other stars.
Audience: Gen. Edu. Site: JPL
Client: Michael Greene
Master: DVCPro50
Audio 1: Stereo 2: Stereo
02/12/2004 - 0:02:58 Producer: Semerano

AVC-2004-103-1/1 **Mars Exploration Rover Wheel Trenching Activity**
Engineers rehearse wheel trenching with an engineering model of the Mars Exploration Rovers on a makeshift slope outside JPL's In-Situ Instrument Laboratory.
Audience: Gen. Edu. Resource Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/06/2004 - 0:19:00 Producer: Hulme

AVC-2004-104-1/1 **A Renewed Spirit of Discovery**
President George W. Bush unveils his vision for America's future in space. In this edited highlight video, supported by animation, he briefly describes the future of the Space Station and the Space Shuttle. Describes new missions to the Moon, Mars and beyond.
Audience: Gen. Resource Site: NASA HQ
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/13/2004 - 0:04:25 Producer: NASA HQ

AVC-2004-105-1/1 **Mars Exploration Rover Project News Briefing**
Intro: Veronica McGregor, Media Relations Rep.

Panelists: Richard Cook-Deputy Project Manager/JPL
Peter Theisinger-Project Manager/JPL
Dr. Ray Arvidson-Deputy Project Manager/Washington University in St. Louis
Jeffrey Biesiadecki-Rover Planner/JPL
Dr. Rob Sullivan-Science Team Member/Cornell University
Audience: News Resource Site: JPL TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/17/2004 - 0:46:00 Producer: Savona

AVC-2004-106-1/1 **African American History Month - Video File**
JPL honors the extraordinary accomplishments of African American scientists and engineers
Audience: News Resource
Client: Natalie Godwin
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/17/2004 - 0:18:27 Producer: Hardine/Ford

AVC-2004-108-1/1 **Two Landings - Spirit and Opportunity**
Mars Exploration Rover team members celebrate the landings and first image returns from Spirit and Opportunity.
Audience: Gen. Edu. Resource Site: JPL
Client: Dr. Charles Elachi, Org. 1000
Master: DVCProHD Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/18/2004 - 0:04:38 Producer: John Beck

AVC-2004-109-1/1 **Mars Exploration Rover Project News Briefing**
Intro: Veronica McGregor, Media Relations Rep.
Panelists: Andrea Barbieri-Telecom System Engineer/JPL
Dr. Steve Squyres-Principal Investigator/Cornell University
Dr. Eric Baumgartner-Lead Engineer for Robotic Arm/JPL
Dr. Albert Yen-Science Team Member/JPL
Dr. Dave Des Marais-Science Team Member NASA Ames Research Center
Audience: News Resource Site: JPL TV Studio
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/19/2004 - 0:54:00 Producer: Savona

AVC-2004-111-1/1 **NASA First Person - Dr. Eddie Tunstel - A Web Production**
JPL employee, Dr. Eddie Tunstel, explains his work on the

Mars Exploration Rover Project. Produced for the Daily Planet and the JPL home page.
Audience: Gen. Edu. Resource Site: JPL
Client: Angela Mcgahan
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Produced for the Web.
02/20/2004 - 0:03:44 Producer: Gary Savona

AVC-2004-113-1/1
VTV-1006

von Kármán Lecture Series- Artificial Life: Life NOT As We Know It
Dr. Chris Adami, Principal Scientist in JPL's Quantum Computing Technologies Group. He discussed finding life, biomarkers and how to create artificial life within computer programs.
Audience: Gen. Site: von Kármán Aud
Client: PSO, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/20/2004 - 1:20:37 Producer: Reggie Hardine

AVC-2004-114-1/1

Mars Exploration Rover Driving Software - Video File
Rover drivers use 3D software to plan out mobility and instrument activities for Spirit and Opportunity.
Audience: News Resource Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/13/2004 - 0:06:00 Producer: Scott Hulme

AVC-2004-116-1/1

Mars Exploration Rover News Briefing 2-26-04
Introduction: Natalie Godwin
Panelists: Jennifer Trosper, Dr. Ray Arvidson, Dr. Jim Bell, and Shane Thompson.
Audience: News Resource Site: vK Studio
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/26/2004 - 0:57:50 Producer: Savona

AVC-2004-118-1/1

Women Working on Mars - Part II
Women scientists and engineers working on the Mars Exploration Rover Mission discuss their roles on the mission, and their experiences as women in a mostly male environment. This talk-show formatted production includes questions from the live and interactive audiences. Panelist include Shante Wright, Julie Townsend, Elaina McCatney and

Zoe Learner.
Audience: Edu. JPL Site: von Kármán Aud
Client: Stephanie Lievense
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/26/2004 - 0:55:00 Producer: Kline

AVC-2004-121-1/1 **Water on Mars Press Conference, 11:00am**
Significant findings from NASA's Mars Exploration Rover Opportunity, now exploring Meridiani Planum on Mars were discussed.
Participants:
* Dr. Ed Weiler, associate administrator, Office of Space Science at NASA Headquarters
* Dr. Steve Squyres, Mars Exploration Rover Principal Investigator, Cornell University, Ithaca, N.Y.
* Dr. John Grotzinger, Mars Exploration Rover science team geologist, Massachusetts Institute of Technology, Cambridge, Mass.
* Dr. Benton C. Clark III, Mars Exploration Rover science team member and chief scientist of space exploration at Lockheed Martin Space Systems Astronautics Operations, Denver
* Dr. Joy Crisp, Mars Exploration Rover Project Scientist, NASA's Jet Propulsion Laboratory, Pasadena, Calif.
* Dr. Jim Garvin, lead scientist for Mars and the Moon, NASA Headquarters, Washington
Audience: News Resource Site: NASA HQ
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/02/2004 - 1:23:00 Producer: HQ (Borst)

AVC-2004-122-1/1 **Spitzer Space Telescope Captures Reality of Life in Universe**
NASA'S Spitzer Space Telescope's infrared detectors pierce through dust and gas to reveal a striking nebula, Henize 206, which houses a nursery of infant stars that were conceived when a massive star exploded millions of years ago. Two animations.
Audience: Resource
Client: Hill
Master: DVCPro25
Audio 1: MOS 2: MOS
03/04/2004 - 0:01:38 Producer: Kline

AVC-2004-124-1/1 **Mars Exploration Rover News Briefing 3/5/04**

Intro: Natalie Godwin
Panelists: Matt Wallace, Opportunity Mission Manager; Dr. Ray Arvidson, Deputy Principal Investigator; Stephen Gorevan, Lead Scientist for Rock Abrasion Tool; Dr. Jim Bell, Lead Scientist for PanCam; and Dr. Morten Madsen, Science Team Member.
Audience: News Resource Site: 186-Studio
Client: Media Relations
Master:
Audio 1: Mono mix 2: Mono mix
03/05/2004 - 0:59:36 Producer: Savona

AVC-2004-125-1/1 **Spirit's Trek to Bonneville**
Spirit team members Art Thompson and Diana Blaney describe the rover's journey to Bonneville Crater.
Audience: Gen. JPL Resource Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/08/2004 - 0:02:55 Producer: Scott Hulme

AVC-2004-126-1/1 **NASA Day - Office of Exploration Systems**
VTV-1013 Adm. Craig E. Steidle, Associate Administrator for the new Office of Exploration Systems (Code T), gave NASA employees an overview of the new enterprise office.
Audience: NASA Site: NASA
Client: Blaine Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/02/2004 - 2:05:00 Producer: NASA HQ

AVC-2004-127-1/1 **MER "Spirit's" First Long Drive**
Mars Exploration Rover team members try to predict and react to the Spirit Rover's first major attempt to autonomously drive for a distance of over 30 meters. Compiled from HD source material.
Audience: News Resource Site: JPL
Client: M Viotti, Org. 1861
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/09/2004 - 0:11:28 Producer: R Passaniti

AVC-2004-128-1/1 **NASA Mars Exploration Rover Project News Briefing, 10:00am**
Intro: Veronica McGregor, Media News Chief
Panelists:
* Jennifer Trosper-Spirit Mission Manager, JPL

* Dr. Chris Leger-Rover Driver, JPL
* Dr. Matt Golombeck-Science Team Member, JPL
* Dr. Mark Lemmon-Science Team Member/Texas A&M University
* Dr. Phil Christensen-Lead Scientist, Miniature Thermal Emission Spectrometer, Arizona State University
* Dr. Michael Wolff-Science Team Member/Space Science Institute
Audience: News Resource Site: JPL TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/11/2004 - 1:05:00 Producer: Savona

AVC-2004-129-1/1 **NASA Mars Exploration Rover Project News Briefing, 10:00am**
Intro: Veronica McGregor, Media News Chief
Panelists:
* Jennifer Trosper, Spirit Mission Manager, JPL
* Dr. Chris Leger, Rover Driver, JPL
* Dr. Matt Golombeck, Science Team Member, JPL
* Dr. Mark Lemmon, Science Team Member, Texas A&M University
* Dr. Phil Christensen, Lead Scientist, Miniature Thermal Emission Spectrometer, Arizona State University
* Dr. Michael Wolff, Science Team Member, Space Science Institute
Audience: News Resource Site: JPL TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/11/2004 - 0:57:43 Producer: Savona

AVC-2004-130-1/1 **NASA Mars Exploration Rover Project News Briefing, 10:00am**
Intro: Veronica McGregor, Media Relations News Chief
Panelists:
* Dr. Mark Adler, Mission Manager, JPL
* Dr. John Grant, Science Team Member, National Air and Space Museum
* Dr. Albert Haldemann, Deputy Project Scientist, JPL
* Dr. Andrew Knoll, Science Team Member, Harvard University
* Bethany Ehlmann, Science Team Collaborator, Washington University, St. Louis
* Daniel Rodionov, Science Team Collaborator, University of Mainz, Germany
Audience: News Resource Site: JPL TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

03/18/2004 - 1:09:20 Producer: Savona

AVC-2004-132-1/1 **Mysterious, Faraway Solar System Discovery - "Sedna" Video File**
NASA announces the first discovery of a mysterious object in the most distant region of the solar system. The object, unofficially dubbed "Sedna," is three times farther from Earth than Pluto. It may be the first proof of evidence of the Oort Cloud.
Audience: News Resource
Client: Gay Hill
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/12/2004 - 0:06:50 Producer: Kline

AVC-2004-133-1/1 **von Kármán Lec.: Return to Sender: The Stardust Sample Return Mission**
VTV-1011
Presented by: Tom Duxbury, Stardust Project Manager
Audience: Gen. Site: JPL TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/18/2004 - 1:18:00 Producer: Savona

AVC-2004-135-1/1 **MER Summer 2002 Update**
Edited feature showing Mars Exploration Rover assembly, parachute tests, backshell rocket tests, vibration tests and an interview with Project Manager Pete Theisinger.
Audience: Gen. News Resource
Client: Michelle Viotti
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/06/2002 - 0:04:19 Producer: Beck

AVC-2004-136-1/1 **MER Entry, Descent & Landing Testing Highlights**
Brief highlights of testing the Mars Exploration Rover Entry, Descent & Landing system hardware.
Version 1 - 00:01:20 - Parachute/Backshell/Airbags
Version 2 - 00:01:00 - Parachute/Airbags
Audience: Tech. Resource
Client: Rob Manning
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/20/2003 - 0:02:20 Producer: Hulme

AVC-2004-137-1/1 **Opportunity Egress Practice in ISIL**

MER Egress test in JPL's In-Situ Instrument Laboratory in preparation for actual Opportunity egress. Edited for NASA TV.
Audience: Resource Site: JPL
Client: Gay Yee Hill
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/31/2004 - 0:01:40 Producer: Passaniti

AVC-2004-140-1/1 **Dr. William H. Pickering Memorial Service**
Invocation: Rev. James A. Milley, La Canada Presbyterian Church
Vocalist: Khorshed Dastoor
Pianist: Kosta Popovic
Speakers:
The Honorable Darryl Dunn, Consul General, New Zealand;
Dr. Charles Elachi, Director, JPL;
Lt. General Charles H. Terhune, U.S.A.F (ret.), former Deputy Director, JPL;
Dr. Eberhardt Rechtin, Chief Architect, Deep Space Network, JPL;
Dr. Thomas E. Everhart, President Emeritus, California Institute of Technology
Benediction: Rev. Dr. Gloryanna Terhune
Audience: JPL Site: Beckman C.I.T.
Client: , Org. 1820
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/20/2004 - 1:45:00 Producer: Bridges

AVC-2004-141-1/1 **Women's History Month - Video File**
During National Women's History month, NASA's Jet Propulsion Laboratory honors the extraordinary accomplishments of female scientists and engineers.
Audience: News Resource Site: JPL
Client: Godwin
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/22/2004 - 0:16:43 Producer: Semerano

AVC-2004-142-1/1 **Venus Transit Webcast/Broadcast**
A discussion and Q&A from remote locations about the rare transit of the Sun by Venus in June 2004.
Audience: Gen. Edu.
Client: R. Jackson
Master: DVCPro25

Audio 1: Mono mix 2: Mono mix
03/19/2004 - 1:00:00 Producer: Kline

AVC-2004-144-1/1 **Space Science Update: Opportunity Hits the Beach**
MER Opportunity is exploring the Martian Meridiani Planum and recently discovered evidence rocks at the landing site have been altered by water.
Panelists:
* NASA Administrator Sean O'Keefe made opening remarks
* Dr. Ed Weiler-NASA's Associate Administrator, Office of Space Science
* Prof. Steve Squyres-Cornell University, Ithaca, N.Y., and MER Principal Investigator
* Prof. John Grotzinger-Massachusetts Institute of Technology, Cambridge, Mass, and a MER Co-investigator
* Dr. Dave Rubin-U.S. Geological Survey Sedimentologist at the Pacific Science Center in Santa Cruz, Calif.
* Dr. Jim Garvin-NASA Lead Scientist for Mars and the Moon, Office of Space Science, NASA Headquarters
Audience: News Site: NASA HQ
Client: Media Relations, Org. 1810
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/23/2004 - 1:21:00 Producer: HQ

AVC-2004-145-1/1 **Robotic Exploration of Mars**
An overview of the exploration of Mars presented by Dan McCleese. Questions from both the California State University at Sacramento and the Sacramento Valley Astronomical Society are answered live over a phone hook-up.
Audience: Gen. News Site: JPL
Client:
Master:
Audio 1: Mono mix 2: Mono mix
03/19/2004 - 0:40:00 Producer: Semerano

AVC-2004-146-1/1 **NASA Mars Exploration Rover Project - News Conference**
Moderator: Veronica McGregor, JPL Media News Chief
Panelists: Matt Wallace-Opportunity Mission Manager/JPL
Dr. Ray Arvidson-Deputy Principal Investigator/Washington University, St. Louis
Dr. Larry Crumpler-Science Team Member/New Mexico Museum of Natural History
Bethany Ehlmann-Science Team Collaborator/Washington University, St. Louis
Dr. Goestar Klingelhoefer-Lead Scientists for Moessbauer

Spectrometer/University of Mainz, Germany
Audience: News Site: TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/26/2004 - 0:57:30 Producer: Savona

AVC-2004-147-1/1
VTV-1033

The Deep Space Network - 40 Years of Space Exploration
A brief overview of the Deep Space Network (DSN) and possible future improvements as told through DSN members.
Produced for the 40th anniversary celebration held at the Pasadena Hilton on 3/22/04.
Audience: Gen. Edu.
Client: Shirley Wolff
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/26/2004 - 0:06:56 Producer: Gary Savona

AVC-2004-148-1/1

"Ask JPL" with Candice Hansen - Web Production
Candice Hansen answers the question, "Why is Titan's atmosphere thicker than either Earth or Mars even though it has less gravity?"
Audience: Gen. Edu. Site: JPL
Client: Susan Watanabe
Master:
Audio 1: Mono mix 2: Mono mix
03/30/2004 - 0:02:35 Producer: Semerano

AVC-2004-149-1/1

Mars Exploration Rover Animation (HD) with Music
Contains animation of Mars 2003 Rovers. Includes Cruise, entry, descent, and landing with parachute and airbag as well as first images and rover driving around Mars, analyzing the surface.
Music version
Audience: Gen. Resource
Client: Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/31/2004 - 0:07:25 Producer: Dan Maas

AVC-2004-151-1/1

Mars Exploration Rover Animation (HD)-Sound Effects Only
Contains animation of Mars 2003 Rovers. Includes cruise, entry, decent, and landing with parachute and airbags as well as taking first images and rover driving around Mars, analyzing the surface. Sound Effect ONLY.

Audience: Resource
Client: Viotti
Master: HDCam
Audio 1: Mono mix 2: Mono mix
03/31/2004 - 0:07:25 Producer: Dan Maas

AVC-2004-152-1/1 **NASA's Mars Exploration Rover Project News Briefing, 10am**
Intro: Natalie Godwin, Media Relations Rep.
Panelists: Chris Lewicki-Flight Director/JPL
Dr. Jim Bell-Lead Scientist, Panoramic Camera/Cornell University
Dr. Hap McSeen-Science Team Member/University of Tennessee, Knoxville
Dr. Jeff Johnson-Science Team Member/U.S. Geological Survey, Flagstaff
Dr. Rudi Rieder-Lead Scientist, Alpha Particle X-ray Spectrometer/Max Planck Institute, Germany Dr. Steve Ruff-Science Team Collaborator/Arizona State University
Audience: News Site: TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/01/2004 - 0:61:00 Producer: Savona

AVC-2004-153-1/1 **"Cosmic Magnifying Glass Finds New Planet" - Video File**
NASA astronomers have used a "cosmic magnifying glass" to discover a planet orbiting a star in our Milky Way galaxy. This is the first time microlensing has confirmed the sighting of an extrasolar planet.
Audience: News Resource
Client: Platt
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/02/2004 - 0:05:03 Producer: Semerano

AVC-2004-154-1/1 **Cassini Captures Storms Merging on Saturn - Video File**
NASA's Cassini spacecraft is only three months from reaching Saturn but is already giving scientists a mouthwatering surprise by catching two storms in the act of merging. Through Cassini, about 260 scientists from 17 countries hope to gain a better understanding of Saturn.
Audience: News Resource Site: JPL
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
A 1:25 Web Production Follows Video File(11:18TRT)

04/06/2004 - 0:11:18 Producer: Savona

AVC-2004-155-1/1

NASA's Mars Exploration Rover Project News Briefing, 10am
Intro: Natalie Godwin, Media Relations Rep.
Panelists: Dr. Firouz Naderi-Manager, NASA Mars Exploration Program/JPL
Jennifer Trosper-Spirit Mission Manager/JPL
Dr. Ray Arvidson-Deputy Principal Investigator, Washington University, St. Louis
Audience: News Site: TV STUDIO
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/08/2004 - 0:43:00 Producer: Savona

AVC-2004-157-1/1 **Nursery of Giants Captured in New Spitzer Image - Video File**
DR21, a stormy stellar nursery draped in dust, has been exposed for the first time by NASA's Spitzer Space Telescope. By seeing in the infrared, the telescope was able to see through the dust-enshrouded core of DR21 to the massive stars that lurk behind. Stills and animation.
Audience: News Resource
Client: Clavin
Master: DVCPro25
Audio 1: MOS 2: MOS
04/08/2004 - 0:02:45 Producer: Kline

AVC-2004-159-1/1 **Cassini B-roll Reel (NTSC)**
B-roll showing various stages of Cassini's construction and testing from July 14, 1995 thru launch in October 17, 1997. Indexed in front.
Audience: Resource
Client: Martinez
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/11/2004 - 0:30:18 Producer: Semerano

AVC-2004-160-1/1 **Aura Spacecraft Shipped to Launch Site - Video File**
Aura, NASA's latest Earth Observing System spacecraft, has shipped from North Grumman's Space Park manufacturing facility in Redondo Beach, Calif., to Vandenberg Air Force Base, Calif., to begin final tests and integration with a Boeing Delta II rocket for a scheduled launch this June.
Audience: Resource Site: JPL
Client: NASA TV/Buis

Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/12/2004 - 0:15:38 Producer: Savona

AVC-2004-163-1/1 **Mars Exploration Rover News Briefing 4-14-04**
Introduction" Veronica McGregor
Panelists: Jan Chodas/Flight Software Manager, Jason Soderblom/Science Team Collaborator, Christian Schroeder/Science Team Collaborator, Dr. Benton Clark/Science Team Member, and Deanne Rogers/Science Team Collaborator.
Audience: News Site: TV Studio
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/14/2004 - 0:38:00 Producer: Savona

AVC-2004-166-1/1 **Deep Impact Animation**
Deep Impact: Your first look inside a comet. The Story of Deep Impact.
** Video plays twice**
Audience: Resource
Client: Maura Rountree
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/15/2004 - 0:10:27 Producer: Maas/Rountree

AVC-2004-169-1/1 **von Kármán L: Artificial Intelligence for Autonomous Control in Space**
Presented by Dr. Ayanna Howard. This talk gives an overview of current AI techniques and research, including fuzzy logic methods for rover navigation, neural networks to assess natural environmental characteristics, and adaptive techniques for mimicking human visual perception.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Public Services Office, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/15/2004 - 1:02:00 Producer: Hardine

AVC-2004-170-1/1 **Mars On Earth**
Jim Garvin, Lead Scientist for Mars Exploration, shows us some examples of Mars geology here on Earth on Surtsey Island, Iceland.
Audience: Edu. Resource
Client: M Viotti, Org. 1861
Master: DVCProHD Submaster: DVCProHD

Audio 1: Mono mix 2: Mono mix
04/19/2004 - 0:07:33 Producer: Beck

AVC-2004-172-1/1

Mars Exploration: A Framework For The Future
An outline for the next decade of Mars Exploration. Features interviews with Jim Garvin, Firouz Naderi, Jim Graf, Tracy Williams and Emily Eelkema.
Audience: Gen. JPL Resource Site: JPL
Client: Firouz Naderi
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/23/2004 - 0:06:33 Producer: Hulme

AVC-2004-173-1/1 **Genesis Comp Reel**
1. Genesis Pre-Launch Videofile
2. Genesis Launch
3. Yuma Flight Training Air-to-Air
Audience: Resource
Client: Agle
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/27/2004 - 0:29:13 Producer: Kline

AVC-2004-174-1/1 **NASA Mars Exploration Rover Project News Briefing 4-28-04**
Intro: Gay Yee Hill, Media Relations Rep.
Participants:
Matt Wallace-Opportunity Mission Manager/JPL
Dr. Scott McLennan-Science Team Member/State University of New York, Stony Brook
Dr. Dave Des Marais-Science Team Member/NASA Ames Research Center
Audience: News Resource Site: TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/28/2004 - 0:56:00 Producer: Savona

AVC-2004-176-1/1 **Deep Space Network - Communicating Through Space**
An overview of the Deep Space Network (DSN) as told by members of the DSN. For use in the Space Flight Operations Facility visitors gallery.
Audience: Gen. Site: JPL
Client: DSN/Shirley Wolff
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix

05/03/2004 - 0:03:56 Producer: Savona

AVC-2004-179-1/1 **Spitzer Shares the Wealth - Video File**
Two new images generated from data collected by the Spitzer Space Telescope: NGC 300, a face-on spiral galaxy 7.5 million light years away, and Sharpless 140, a star forming region 3000 light years from Earth.
Audience: JPL
Client: Gay Yee Hill
Master: DVCPro25
Audio 1: MOS 2: MOS
05/07/2004 - 0:01:08 Producer: Kline

AVC-2004-183-1/1 **Durable Mars Rovers Examine Craters - Video File**
NASA's Mars Exploration Rover Opportunity is examining stadium-sized "Endurance Crater" to assess research benefits of entering it vs. the possibility it might not get back out. The Rover Spirit is trekking from "Bonneville Crater" to "Columbia Hills."
Audience: News Resource
Client: Webster
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/13/2004 - 0:11:30 Producer: Kline

AVC-2004-189-1/1 **von Kármán Lecture: "Step by Step, Robotically at the Red Planet"**
VTV-1015
Nagin Cox, JPL Deputy Team Chief, Spacecraft Rover Engineering Team, Mars Exploration Rover Project. Scientists and engineers in NASA's Mars Program have begun to reveal the many mysteries of the red planet. She described the latest missions, highlighting the Mars Exploration Rover Project.
Audience: Gen. Site: von Kármán Aud
Client: Public Service, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/20/2004 - 1:29:30 Producer: Hardine

AVC-2004-190-1/1 **Spitzer Space Telescope Space Science Update - Video File**
Less than a year into its mission, NASA's Spitzer Space Telescope has found the raw ingredients of life sprinkled in dusty discs around other stars, where new planets may form. 3 animations + artist's concept of new planet.
Audience: News Resource
Client: Gay Yee Hill
Master: DVCPro50

Audio 1: MOS 2: MOS
05/24/2004 - 0:02:44 Producer: Kline

AVC-2004-194-1/1 **Cassini-Huygens Pre-Arrival at Saturn Video File**
Cassini-Huygens will begin a four-year prime mission in orbit around Saturn when it arrives June 30, 2004, (July 1 Universal Time). About six months later it will release the Huygens probe for descent through the thick atmosphere of Saturn's moon Titan.
Audience: News Resource
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/28/2004 - 0:15:08 Producer: Gary Savona

AVC-2004-195-1/1 **ASK JPL with Jessica Collisson - Web Production**
Jessica Collisson answers the question, "How are the lenses on the cameras aboard the Mars Rovers kept free from dust?"
Audience: Gen. Edu. Site: JPL
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/01/2004 - 0:02:17 Producer: Semerano

AVC-2004-196-1/1 **NASA's Mars Exploration Rover Project News Briefing**
Moderator: Natalie Godwin, JPL Media Relations
Panelists:
* Joe Snyder, Software Engineer-Lockheed Martin/JPL
* Dr. James Rice, Science Team Member-Arizona State University/Tempe
* Matt Wallace, Opportunity Mission Manager/JPL
* Dr. Wendy Calvin, Science Team Member-University Nevada/Reno
Audience: News Resource Site: JPL TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/02/2004 - 0:47:30 Producer: Savona

AVC-2004-197-1/1 **Spitzer Science Update**
Planetary Construction Zones
Nancy Neal, NASA HQ
Dr. Anne Kinney, NASA HQ
Dr. Deborah Padgett, Caltech
Dr. Dan Watson, Univ. of Rochester
Dr. Ed Churchwell, Univ. of Wisconsin

Dr. Alan Boss, Carnegie Institution
Audience: News Site: NASA HQ
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/27/2004 - 0:58:00 Producer: NASA HQ

AVC-2004-198-1/1 **Cassini Saturn Orbit Insertion Preview Press Briefing**
Panelists:
Orlando Figueroa, Director, Solar System Exploration Division/NASA Headquarters;
Robert Mitchell, JPL Cassini Program Manager;
Dr. Charles Elachi, JPL Director and team leader for the Cassini Radar Instrument;
Dr. Jean-Pierre Lebreton, European Space Agency Huygens Probe Manager.
Audience: News Site: NASA HQ
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/03/2004 - 0:55:00 Producer: NASA HQ

AVC-2004-201-1/1 **Cassini Arrival Productions: Overview, S.O.I., Science & Probe**
The following 5 videos are roll-ins for the Cassini Orbit Insertion Commentary on June 30, 2004. Opening roll-in - :16
Cassini Overview - 3:00; S.O.I. - 3:23; Science - 3:00 and Huygens Probe - 2:45
Audience: JPL Resource Site: JPL
Client: NASA TV/Cassini
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/07/2004 - 0:13:01 Producer: Semerano/Savona

AVC-2004-202-1/1 **NASA Mars Exploration Rover Project News Briefing**
Intro: Veronica McGregor, Media Relations
Panelists: Dr. Firouz Naderi, Dr. Steve Squyres, Dr. Johannes Bruecker
Audience: News Resource Site: TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/08/2004 - 0:00:00 Producer: Savona

AVC-2004-203-1/1 **Mars Exploration Rover Press Briefing**
Introduction: Veronica McGregor

Panelists: Dr. Firouz Naderi/Manager, Dr. Steve Squyres/Principal Investigator, Dr. Johannes Brueckner/Science Team Member, Jim Erickson/Deputy Project Manager, and Randy Lindemann/Rover Mobility Engineer.
Audience: News Resource Site: 186-Studio
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/08/2004 - 0:43:50 Producer: Savona/Hardine

AVC-2004-204-1/1
VTV-1038

von Kármán Lecture: "Finding Planets and Searching for Life"
Dr. Charles Beichman, Executive Director of the Caltech Michelson Science Center summarized NASA's program-Terrestrial Planet Finder, the results of recent studies, the role of JPL scientists and engineers in developing this mission and the prospects for international collaboration.
Audience: Gen. Site: von Kármán Aud
Client: Public Services, Org. 1840
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/10/2004 - 1:15:40 Producer: Hardine

AVC-2004-205-1/1

Phoebe Looms in View - Video File
Phoebe, Saturn's largest outer moon, is the first target of exploration for the Saturn-bound Cassini spacecraft. Included: 4 stills of Phoebe and interviews with Dr. Bonnie Buratti, Scientist, and Jeremy Jones, Chief Navigator, for the Cassini-Huygens mission.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/11/2004 - 0:05:58 Producer: Kline

AVC-2004-206-1/1

NASA First Person - Jennifer Long - Web Production
The work, experiences and personal observations of JPL employee Jennifer Long as told by her. Produced for the Daily Planet and the JPL home page.
Audience: Gen. Site: JPL
Client: McGahan
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/08/2004 - 0:03:00 Producer: Semerano

AVC-2004-208-1/1

NASA Mars Exploration Rover Project News Briefing

Intro: Natalie Godwin, Media Relations Rep.
Panelists:
Dr. Mark Adler, Mission Manager, JPL;
Dr. Larry Soderblom, Science Team Member, U.S. Geological Survey, Flagstaff, Arizona;
Dr. Scott McLennan, Science Team Member, State University of New York, Stony Brook
Audience: JPL News Site: TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/15/2004 - 0:37:30 Producer: Savona/Hardine

AVC-2004-209-1/1 **Phoebe, Saturn's Battered Moon - Video File**
The Cassini spacecraft flew by Saturn's moon Phoebe on June 11, 2004. Included in this video file are images obtained from a mere 2,068 kilometers (about 1,285 miles) above the moon's surface and interviews with Dr. Bonnie Buratti, Scientist, and Jeremy Jones, Chief Navigator.
Audience: NASA
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/15/2004 - 0:07:03 Producer: Kline

AVC-2004-210-1/1 **SRTM: A NASA Safari into Africa's Topography - Video File**
NASA and the National Geospatial-Intelligence Agency have released a new digital elevation data set of Africa, the Arabian Peninsula and the island of Madagascar, created by the Shuttle Radar Topography Mission (SRTM). Flyover of Africa is narrated with music.
Audience: Gen. News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/15/2004 - 0:15:19 Producer: Gary Savona

AVC-2004-211-1/1 **Surprising Anatomy of a Comet Revealed by Stardust Mission -Video File**

On Jan. 3, 2004, NASA's Stardust spacecraft made the most detailed pictures ever taken of a comet. Animations: Jets coming from comet, Spacecraft flying through jets, Mission animation. Stills: Artist's concept of Wild 2, Image enhanced to show jets, Spires on comet's surface, Map of surface.
Audience: News Resource

Client: Agle
Master: DVCPro50 Submaster: DVCPro50
Audio 1: MOS 2: MOS
06/16/2004 - 0:04:28 Producer: Kline

AVC-2004-214-1/1 **Stardust Space Science Update**
Findings from a historic encounter between NASA's Stardust spacecraft and Comet Wild 2 have revealed a much stranger world than previously believed. The comet's rigid surface, dotted with towering pinnacles, plunging craters, steep cliffs, and dozens of jets spewing violently, has surprised scientists.
Panelist:
* Dr. Tom Morgan, Program Scientist, NASA HQ.
* Dr. Donald Brownlee, Stardust Principal Investigator, University of Washington, Seattle
* Benton Clark, chief scientist of space exploration systems, Lockheed Martin Space Systems, Denver.
* Dr. Claudia Alexander, Rosetta Program Scientist, JPL
Audience: News Resource Site: NASA HQ
Client: Jane Platt, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/17/2004 - 0:40:00 Producer: HQ

AVC-2004-216-1/1 **Cassini Science Results from Phoebe Flyby - Video File**
Scientists, reviewing data from the Cassini spacecraft's June 11, 2004, flyby of the diminutive moon, have concluded that Phoebe is likely a mixture of ice, rock and carbon containing compounds similar in material seen in Pluto and Neptune's moon Triton.
Audience: News Resource Site: JPL
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/22/2004 - 0:14:42 Producer: Savona

AVC-2004-217-1/1 **Cassini's Encounter with Phoebe News Briefing**
Intro: Veronica McGregor, News Chief/MRO
Panelists:
* Dr. Peter Thomas, Imaging Team Member, Imaging Science Subsystem, Cornell University, Ithaca, N.Y.;
* Dr. Bonnie Buratti, Team Member of the Visual and Infrared Mapping Spectrometer, JPL;
* Dr. John Pearl, Co-Investigator, Composite Infrared Spectrometer, NASA's Goddard Space Flight Center, Greenbelt,

MD;
* Dr. Amanda Hendrix, Team member, Ultraviolet Imaging Spectrograph, JPL
* Dr. Torrence Johnson, Satellite Expert and Imaging Team Member, Imaging Science Subsystem, JPL.
Audience: News Resource Site: von Kármán Aud.
Client: Carnalla-Martinez, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/23/2004 - 0:49:30 Producer: Savona

AVC-2004-218-1/1 **Cassini Saturn Orbit Insertion Compilation**
A compilation of the following for a museum DVD:
SRC-000445 Cassini Animation of SOI;
SSV Animation;
SRC-000431 Cassini Animations Compilation Reel;
AVC-1998-212 Cassini - Huygens: Mission to Saturn and Titan (Revised Version);
AVC-2004-201 Cassini Arrival Productions: Overview, S.O.I., Science & Probe
Audience: Gen. Resource
Client: Anita Sohus
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/23/2004 - 1:10:43 Producer: Hanchett

AVC-2004-219-1/1 **Roving on the Red Planet**
VTV-1051 HUD webcast.
Moderator: Colleen Sharkey, Mars Public Engagement
Panelists: Julie Townsend, Tactical Uplink Lead, Mars Exploration Rover Mission
Kobie Boykins, Mechanical Engineer, MER
Geoff Lake, Information Systems Administrator, MER
22 students from the Los Angeles Housing & Urban Development were in the audience to ask questions.
Audience: Gen. JPL Site: JPL TV Studio
Client: Stephanie Lievense
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/24/2004 - 0:46:50 Producer: Hardine

AVC-2004-223-1/1 **NASA Mars Exploration Rover Project News Conference**
Moderator: Natalie Godwin, Media Relations Rep.
Panel:
Dr. Steve Squyres, Principal Investigator;
Dr. Doug Ming, Science Team Member/JSC;

Chris Voorhees, Mechanical Systems Engineer/JPL;
Nicholas Tosca, Science Team Affiliate/State University of New York, Stony Brook.
Audience: News Resource Site: JPL TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/25/2004 - 0:45:40 Producer: Savona

AVC-2004-226-1/1 **Cassini Pre-Arrival Press Conference**
Moderator: Natalie Godwin, Media Relations Rep.
Panel:
Robert Mitchell, Cassini Program Mgr./JPL;
Julie Webster, Spacecraft Team Chief/JPL;
Jeremy Jones, Navigation Team Chief/JPL; Jean-Pierre Lebreton, Mission Manager and Scientist/ESA;
Dennis Matson, Cassini Project Scientist/JPL.
Audience: News Resource Site: von Kármán Aud
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/29/2004 - 1:04:30 Producer: Savona

AVC-2004-227-1/1 **Cassini Saturn Arrival - Video File**
Animations of SOI, Huygens, Phoebe Flyby, and a Phoebe Tour. Video of Cassini's assembly and launch, still of Saturn, Titan rotating, Sounds of Saturn's magnetosphere, interviews w/Robert Mitchell, Cassini Program Manager, and Dr. Carolyn Porco, Cassini Imaging Team Leader.
Audience: News Resource
Client: Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/29/2004 - 0:19:41 Producer: Kline

AVC-2004-229-1/1 **Cassini Final Status Before SOI Press Conference (9:00am)**
Moderator: Natalie Godwin, Media Relations Rep.
Panelists:
Robert Mitchell, Cassini Program Manager/JPL;
Julie Webster, Spacecraft Team Chief/JPL;
Jeremy Jones, Navigation Team Chief/JPL;
Dr. Michelle Dougherty, PI, Magnetometer/ Imperial College of Science & Tech., London, England.
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
06/30/2004 - 0:39:20 Producer: Savona

AVC-2004-231-1/1 **Cassini-Huygens International Press Conference (11:00am)**
Moderator: Natalie Godwin/Media Relations Rep. Panelist:
Dr. Charles Elachi, Director/JPL;
Dr. Ed Weiler, Associate Admin./NASA HQ;
Dr. David Southwood, Dir. of Scientific Programmes / European Space Agency;
Dr. Simonetta DiPippo, Director of the Observation of the Universe/ASI.
Audience: NASA Site: von Kármán Aud.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/30/2004 - 0:23:30 Producer: Savona

AVC-2004-232-1/1 **Chat-How Cassini Fits Into the Larger Space Exploration Vision**
Panelists:
Ed Weiler, Associate Administrator/NASA Headquarters;
Dr. Charles Elachi, Director/JPL;
Orlando Figueroa, Director of Solar System Exploration/NASA Headquarters;
David Southwood, Dir. of Scientific Programmes/European Space Agency;
Simonetta DiPippo, Director of the Observation of the Universe/Italian Space Agency (ASI)
Audience: News Resource Site: von Kármán Aud
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/30/2004 - 0:51:30 Producer: Savona

AVC-2004-234-1/2 **Cassini Coverage of Saturn Orbit Insertion (SOI) Commentary**
Audience: News Resource Site: S.F.O.F.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/30/2004 - 2:07:38 Producer: Savona

AVC-2004-234-2/2 **Cassini Coverage of Saturn Orbit Insertion (SOI) Commentary**
Audience: News Site: S.F.O.F.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/30/2004 - 1:04:33 Producer: Savona

AVC-2004-235-1/1 **Cassini Post Orbit Insertion Press Conference (10:00pm)**
Moderator: Veronica McGregor, Media Relations Rep.
Panelists: Dr. Charles Elachi, Director/JPL;
Dr. Ed Weiler, Associate Administrator/NASA HQ;
Robert Mitchell, Cassini Program Manager/JPL;
Julie Webster, Spacecraft Team Chief/JPL;
Dr. Jeremy Jones, Navigation Team Chief
Audience: News Resource Site: von Kármán
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/30/2004 - 0:30:00 Producer: Savona

AVC-2004-236-1/2 **Cassini Coverage of Images Download Commentary**
Audience: News Resource Site: JPL 230-SFOF
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/2004 - 1:40:00 Producer: Savona

AVC-2004-236-2/2 **Cassini Coverage of Images Download Commentary**
Audience: News Resource Site: JPL 230-SFOF
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/2004 - 0:05:00 Producer: Savona

AVC-2004-237-1/1 **Cassini First Pictures Commentary (8:00am)**
Commentator: Gay Yee Hill, Media Relations Rep.
Jeff Cuzzi, Ames Research Center, Sunlight Side (18 images)
7:52-8:20am
Audience: News Resource Site: JPL 230-SFOF
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/2004 - 0:30:00 Producer: Savona

AVC-2004-238-1/1 **Cassini First Pictures Press Conference (10:00am)**
Moderator: N. Godwin, Media Relations
Panelists:
Dr. Ed Weiler, Associate Administrator for Space Science/NASA Headquarters;
Robert Mitchell, Cassini Program Manager/JPL;
Carolyn Porco, Imaging Team Leader/Space Science Institute, Boulder, Co.;

Stamatios Krimigs, Principal Investigator, Magnetospheric Imaging Instrument/John Hopkins University, Laurel, MD.; William Kurth, Deputy Principal Investigator/University of Iowa, Iowa City, Iowa
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/2004 - 1:03:00 Producer: Savona

AVC-2004-239-1/1 **Cassini Preliminary Results Press Conference**
Moderator: Veronica McGregor, JPL's News Chief
Participants:
Dr. Linda Spilker, Cassini Deputy Project Scientist/JPL;
Dr. Donald Shemansky, Cassini Co-Investigator, Ultraviolet Imaging Spectrograph/UCLA;
Dr. Roger Clark, Cassini Team Member, Visual and Infrared Mapping Spectrometer/US Geological Survey, Denver, Colorado;
Dr. Michael Flasar, Cassini Principal Investigator, Composite Infrared Spectrometer/Goddard Space Flight Center, Greenbelt, Maryland;
Dr. Carolyn Porco, Cassini Imaging Team Leader/Space Science Institute, Boulder, Colorado.
Audience: News Resource Site: von Kármán Aud
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/02/2004 - 0:57:45 Producer: Hardine

AVC-2004-240-1/1 **Cassini Titan Flyby Results Press Briefing (10:00am)**
Moderator: Natalie Godwin, Media Relations Rep.
Panelists:
Dr. Elizabeth Turtle, Imaging Scientist /U. of AZ; Dr. Kevin Baines, Team Member/JPL;
Dr. Stamatios Krimigis, PI Magnetospheric Imaging Instrument/John Hopkins U.;
Dr. Donald Gurnett, PI Radio and Plasma Wage Science, U. of Iowa.
Audience: News Resource Site: von Kármán Aud.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
07/03/2004 - 0:45:00 Producer: Semerano

AVC-2004-245-1/1 **From the Archives: Explorer 1, Mariner 4, Ranger 4**
Explorer 1 - America's First Satellite (1:55)
Mariner 4 (2:24)
Ranger Impacts the Moon (2:21)
NOTE: Made for Web use. "Ranger" never used.
Audience: Resource
Client: S. Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/09/2004 - 0:06:58 Producer: Kline

AVC-2004-247-1/1 **Aura Prelaunch Press Conference & Aura Mission Science Briefing**
Aura Prelaunch Press Conference
Participants:
- Bruce Buckingham, NASA Launch Commentator
- Dr. Phil DeCola, Aura program scientist, NASA Headquarters, Washington, D.C.
- Chuck Dovale, NASA launch director, Kennedy Space Center, Fla.
- Kris Walsh, Boeing director for NASA programs, Boeing Expendable Launch Systems, Huntington Beach, Calif.
- Michael Tanner, Aura program executive, NASA Goddard Space Flight Center, Greenbelt, Md.
- Captain Paul Lucyk, United States Air Force launch weather officer, 30th Weather Squadron, Vandenberg Air Force Base, Calif.
Aura Mission Science Briefing. Discussing the Aura goals and objectives (12:45):
- Dr. Mark Schoeberl, Aura project scientist, NASA Goddard Space Flight Center, Greenbelt, Md.
Audience: News Resource Site: Vandenberg AFB
Client: Aura/Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/09/2004 - 1:30:00 Producer: NASA

AVC-2004-249-1/1 **von Kármán Lecture Series: The Rings of Saturn**
VTV-1039 Cassini-Huygens Mission arrives at Saturn.
Dr. Linda Spilker, JPL Cassini Deputy Project Scientist discusses why are the rings there at all? How did they form? So far, we only have bits and pieces of answers. The Cassini mission to Saturn will help answer many of these questions.

Audience: Edu. JPL Site: von Kármán Aud
Client: PSO, Org. 1840
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/15/2004 - 1:19:37 Producer: Hardine

AVC-2004-250-1/1 **NASA Mars Exploration Rover Project News Briefing**
Moderator: Natalie Godwin, Media Relations Rep.
Panelists:
Jim Erickson, JPL Project Manager for the Mars Exploration Rover Mission;
Joe Melko, Rover Engineer/JPL;
Dr. Jutta Zipfel, Rover Science-Team Member from Max Planck Institute for Chemistry, Main, Germany;
Dr. Jack Farmer, Arizona State University;
Dr. Matt Golombek, Rover Science-Team Member/JPL.
Audience: News Resource Site: JPL TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/16/2004 - 0:40:00 Producer: Hardine

AVC-2004-251-1/1 **Mount Etna Volcanic Ground Deformation - Web Production**
An animation depicting a time-series of ground deformation events at Mount Etna between 1992 and 2001. Narrated by Paul Lundgren.
Audience: Gen. Resource
Client: Buis
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/22/2004 - 0:02:30 Producer: Semerano

AVC-2004-254-1/1 **Rocks Tell Stories in Spirit's Early Results - Video File**
In its first three months on Mars, NASA's rover Spirit found clues in rocks telling scientists that the robot's landing area has a history of volcanic blanketing.
Audience: News Resource Site: JPL
Client: NASA TV/Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/03/2004 - 0:14:56 Producer: Savona

AVC-2004-255-1/1 **Cassini Early Findings - Video File**
Within a month of orbit insertion at Saturn, the Cassini spacecraft has detected lightning, a new radiation belt and a glow around the planet's largest moon, Titan. Video File

created for the August 5, press Conf.
Audience: Gen. News Site: JPL
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/04/2004 - 0:06:58 Producer: Semerano

AVC-2004-256-1/1 **Cassini WEB / Telephone press conference**
WEB presentation and Q&A from reporters
AUDIO ONLY!
Audience: News Resource Site: Telephone
Client: Martinez
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/05/2004 - 0:50:00 Producer: Hanchett

AVC-2004-257-1/1 **Spitzer: One Star's Life Ends with a Ring - Video File**
A new image from NASA's Spitzer Space Telescope shows the shimmering embers of a dying star, and in their a mysterious doughnut-shaped ring.
Audience: News Resource Site: JPL
Client: NASA TV/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
08/06/2004 - 0:02:23 Producer: Savona

AVC-2004-258-1/1 **NASA First Person - Aryen Moore-Alston - Web Production**
The work, experiences and personal observations of Aryen Moore-Alston, a student from Spelman College, Atlanta, Georgia, who is pursuing her studies at JPL. Produced for the Daily Planet and the JPL home page.
Audience: Gen. NASA Site: JPL
Client: Susan W.
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/10/2004 - 0:02:58 Producer: Semerano/Savona

AVC-2004-259-1/1 **AURA/Delta Launch**
Launch of Aura spacecraft from Vandenberg Air Force Base.
Audience: NASA News Resource
Client:
Master: BCAMsp Submaster: DV
Audio 1: Mono mix 2: Mono mix
07/15/2004 - 0:12:10 Producer: Vandenberg AFB

AVC-2004-260-1/1 **Explore: Earth, Moon, Mars and Beyond**

NASA Television put together clips of various video productions, such as Aeronautic and Space Report on Earth, Apollo 11 with Neil Armstrong narrating and the Mars Exploration Rover Mission.
Audience: Gen. NASA Site: NASA
Client: NASA Television, Org. NASA
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/11/2004 - 0:05:34 Producer: NASA TV

AVC-2004-264-1/1 **Cassini Discovers New Moons - Video File**
On 8/16/04 scientists announced the discovery of two new moons around Saturn -- the smallest bodies so far seen around the planet. Animation of Cassini orbit insertion, still graphic of moons' orbits, movies of moons.
Audience: JPL News Resource
Client: Martinez, Org. 18
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/13/2004 - 0:02:49 Producer: Kline

AVC-2004-265-1/1 **Cassini Discovers 2 New Moons of Saturn - Web Video**
Movies show the 2 new moons of Saturn discovered by the Cassini spacecraft as it orbits Saturn. Graphics show the locations of their orbits. Narrator: Dr. Carolyn Porco, Cassini Imaging Team Leader.
Audience: Gen. Resource
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/17/2004 - 0:01:25 Producer: Kline

AVC-2004-266-1/1 **NASA Mars Exploration Rover Project News Briefing**
Moderator: Natalie Godwin, Media Relations Rep.
Panelists:
Dr. Steve Squyres, Principal Investigator/Cornell University;
Dr. Doug Ming, Science Team Member/NASA Johnson Space Center;
Dr. Ralf Gellert, Science Team Member/Max-Planck-Institut fur Chemie/Germany;
Zoe Learner, Science Team Collaborator/Cornell University;
Chris Salvo, Mission Manager/Jet Propulsion Laboratory.
Audience: News Resource Site: TV Studio
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
08/18/2004 - 0:57:35 Producer: Hardine

AVC-2004-267-1/1 **Genesis Return Overview News Briefing**
Natalie Godwin, Media Relations Rep. introduces Dr. Elachi, JPL Director, and moderates the panelists:
David Lindstrom/NASA HQ Genesis Program Scientist;
Don Sweetnam/Genesis Project Manager;
George Carlise, Navigation Chief;
Roy Haggard/Mid-Air Retrieval Operations Chief Dan Rudert/Helicopter Pilot;
Don Burnett/Principal Investigator.
Audience: News Resource Site: von Kármán Aud
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/19/2004 - 0:57:00 Producer: Savona

AVC-2004-268-1/1 **von Kármán Lecture: The Orbiting Carbon Observatory**
VTV-1034 von Kármán Lecture Series, "The Orbiting Carbon Observatory: Understanding Atmospheric CO2 and its Impact on Climate Change" was presented by the OCO Deputy Principal Investigator, Charles Miller
Audience: Gen. Site: von Kármán Aud
Client: Public Services, Org. 1840
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/19/2004 - 1:23:30 Producer: Hardine

AVC-2004-269-1/1 **"The Role of Competition" - NASA's Transformation Dialogue**
VTV-1018 Johnny Stephenson, the One NASA Implementation Team Lead from NASA Headquarters moderated. Featuring Dr. Charles Elachi/JPL Director and Kevin Petersen/ Dryden Flight Research Center Director in an NASA-wide Transformation Dialogue.
Broadcasted live on NASA TV.
Audience: Gen. Site: von Kármán
Client: Andrea Vanacore
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/20/2004 - 1:01:00 Producer: Hardine

AVC-2004-270-1/1 **Genesis Capture and Return Mission - Video File**
The Genesis mission was launched in August of 2001 on a journey to capture samples from the storehouse of 99 percent of all the material in our solar system -- the Sun. On Sept.

8, 2004, the sample return capsule will enter the Earth's atmosphere returning its solar particle payload.
Audience: News Resource Site: JPL
Client: NASA TV/Agle, Org. 181
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/18/2004 - 0:22:14 Producer: Savona

AVC-2004-271-1/1 **Practicing the Mid-Air Capture of Genesis - Web Production**
Dan Rudert, helicopter pilot, describes the procedure for capturing the Genesis capsule in mid-air as it returns to Earth.
Audience: Gen. Resource Site: JPL
Client: Susan W.
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/20/2004 - 0:02:06 Producer: Semerano

AVC-2004-272-1/1 **GRACE Time Variable August 2004 - Video File**
The Gravity Recovery and Climate Experiment (GRACE) mission has shown that precise measurements of Earth's changing gravity field can effectively monitor changes in Earth's climate and weather. GRACE gives scientists a new tool to track water movement which influences climate.
Audience: News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/24/2004 - 0:06:47 Producer: Savona

AVC-2004-273-1/1 **New Planets Discovered Beyond Our Solar System - Video File**
Planets about 20 times the size of Earth -- far smaller than previously detected -- have been discovered beyond our solar system. This is the first discovery of a new class Neptune-sized extrasolar planets.
Audience: News Resource Site: JPL
Client: NASA TV/Clavin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/27/2004 - 0:06:08 Producer: Savona

AVC-2004-277-1/1 **Genesis Pre-Return Status Briefing**
Moderator: DC Agle, Media Relations Representative
Panelists: Dr. David Lindstrom/NASA Genesis Program Scientist/NASA Headquarters;
Don Sevilla/Genesis Payload Team Leader/NASA's Jet

Propulsion Laboratory;
Bob Corwin/Genesis Recovery Team Chief/Lockheed Martin Space Systems;
Cliff Fleming/Helicopter Pilot/South Coast Helicopters, Santa Ana, California;
Dr. Don Burnett/Principal Investigator/California Institute of Technology, Pasadena, California.
Audience: News Resource Site: Dugway, Utah
Client: DC Agle/MRO, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix D 2: Mono mix
09/07/2004 - 0:52:27 Producer: Hardine

AVC-2004-280-1/1 **Genesis Sample Return Commentary Coverage**
NASA TV commentary and live coverage of events in Dugway, Utah from approximately 11:00 a.m. to 2:00 p.m. EDT Helicopter capture of the sample capsule was expected at approximately 12:15 p.m. EDT. Parachutes on the capsule failed to deploy. Capsule impacted into Utah test range.
Audience: Gen. News Resource Site: Utah/JPL
Client: NASA TV/Agle, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/08/2004 - 1:30:13 Producer: Savona

AVC-2004-281-1/1 **Genesis Sample Return Capsule Returns to Earth - Video Summary**
Natural sound summary of helicopters taking off, views of the tumbling SRC and close-ups of the SRC at its impact point.
Audience: News Resource
Client: HQ
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/08/2004 - 0:01:51 Producer: Kline

AVC-2004-282-1/1 **Genesis News Briefing, 11:30am PST**
Moderator: Jane Platt, JPL Media Relations Rep.
Panelists: Andrew Dantzler/NASA Headquarters Solar System Division Chief;
Chris Jones/JPL Director for Solar System Exploration;
Roy Haggard/Director of Helicopter Flight Operations;
Don Sweetnam, Genesis Project Manager.
Audience: News Resource Site: Dugway, Utah
Client: DC Agle/MRO, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix

09/08/2004 - 0:42:50 Producer: Hardine

AVC-2004-283-1/1 **Cassini Discovers Ring & One Or Two Objects at Saturn - Video File**
Cassini scientists examining Saturn's contorted F ring, which has baffled them since its discovery, have found one small body, possibly two, orbiting in the F ring region, and a ring of material associated with Saturn's moon Atlas.
Audience: News Resource Site: JPL
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
09/09/2004 - 0:02:33 Producer: Savona

AVC-2004-287-1/1 **Tracking Ozone Chemistry from Space Using MLS/Aura**
This animation shows data taken from August 13, through September 6, 2004 of the Ozone chemistry: Ozone, Temperature, Chlorine Monoxide, Nitric Acid and Hydrogen Chlorine layers. The Aura instrument is onboard the Microwave Limb Sounder (MLS). Made for a Air & Space Museum presentation.
Audience: Tech. Resource Site: JPL
Client: Karen Yuen
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/10/2004 - 0:00:54 Producer: Savona

AVC-2004-288-1/1 **Genesis News Briefing - Teleconference - Sept. 10, 2004**
Moderator: Jane Platt, JPL Media Relations Rep.; Gentry Lee, Chief Engineer for Planetary Systems, JPL; Don Sevilla, Genesis Payload Recovery Lead Engineer, JPL; Dr. Roger Wiens, Genesis Science Co-investigator, Los Alamos National Laboratory.
Audience: News Resource
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
AUDIO ONLY
09/10/2004 - 0:45:00 Producer: Hanchett

AVC-2004-289-1/1 **Genesis Pre-capture News Briefing - Dugway Truck Line Cut**
Introduction: DC Agle
Panelists: Dr. David Lindstrom, Don Sevilla, Bob Corwin, Cliff Fleming, and Dr. Don Burnett.
Audience: NASA News Site: Dugway, Utah
Client: Media Relations
Master: DVCPro25

Audio 1: Mono mix 2: Mono mix
09/07/2004 - 0:52:51 Producer: Hardine

AVC-2004-290-1/1 **Genesis Capture and Return Commentary - Dugway Truck Line Cut**
Host: JPL's Gay Yee Hill and Rob Manning, Dugway Utah Jane Platt with Commander Doug Reed, USAF and Col. Gary Harder US Army
Audience: News Site: Dugway Utah
Client: Media Relations, Org. 181
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/08/2004 - 1:27:10 Producer: Hardine

AVC-2004-291-1/1 **Genesis Post Event News Briefing - Dugway Truck Line Cut**
Moderator: Jane Platt
Panelist: Andrew Dantzler, Chris Jones, Roy Haggard, and Don Sweetnam.
In audience: Don Sevilla and Bob Corwin.
Audience: News Resource Site: Dugway, Utah
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/08/2004 - 0:41:47 Producer: Hardine

AVC-2004-293-1/1 **Catching a Piece of the Sun: The Genesis Sample Return Mission**
The von Kármán Lecture Series was presented by Dr. Nora Mainland, Genesis payload and navigation lead. The goal of NASA's Genesis mission is to collect and return to Earth 10 to 20 micrograms of solar wind from outside the influence of Earth's magnetic field. Scientists will preserve this smidgen of the Sun in an exclusive laboratory for study over the next century in search of answers to fundamental questions about the composition of our star and the birth of our solar system. Genesis is scheduled to return its samples in early September 2004. This presentation includes images of the dramatic helicopter mid-air capture of the capsule containing the delicate solar wind samples, status reports about the pristine samples collected by the solar arrays, and a discussion of how the scientific community will benefit from this historic mission.
Audience: Gen. Site: von Kármán Aud
Client: Cynthie Cuno/PSO, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/16/2004 - 1:13:20 Producer: Hardine

AVC-2004-294-1/1 **Cassini - Galex - Spitzer derived from "Spirit of Exploration"**
Excerpts from AVC-2004-279, a video produced for the Air and Space Museum presentation. This tape was prepared for Dr. Elachi.
Audience: JPL
Client: Elachi
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/17/2004 - 0:07:16 Producer: Kline

AVC-2004-296-1/2 **National Explorer School: Flory Science & Technology Academy**
Experience Learning In A Whole New Light "There Is A Place For Me At NASA"
Welcome: Pam Hill-School Principal, Intro of NASA Official-School Superintendent/Dr. Frank DePasquale, Kevin Petersen-Dir. of Dryden Flight Research Center, Intro of Astronaut, 5th grader Shannon Mc Court, Expedition 9 Crew Message, Astronaut Dr. Anna Fisher discussed what it takes for mission success and the importance of working in teams to complete the mission. Q & A with students, Dr. Fisher and Kevin Petersen, Closing Remarks-Pam Hill, School Principal
Audience: Edu. JPL News Site: Moorpark, CA
Client: Natalie Godwin/MRO, Org. 1810
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/20/2004 - 0:41:51 Producer: Kennedy

AVC-2004-296-2/2 **National Explorer School: Flory Science & Technology Academy**
Station Break, which is hands-on-activities with David Seidel of JPL's Education Office-Includes driving of rover wheels over many children.
Audience: Edu. JPL News Site: Moorpark, CA
Client: Natalie Godwin/MRO, Org. 1810
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/20/2004 - 0:09:11 Producer: Kennedy

AVC-2004-297-1/1 **"Ask JPL" with Dr. Marc Rayman - Web Production**
Dr. Marc Rayman of NASA's Jet Propulsion Laboratory answers the question, "Will spacecraft ever travel fast enough for us to visit other planets?"
Audience: Gen. Edu. Site: JPL
Client: Susan W.
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix

09/21/2004 - 0:04:09 Producer: Semerano

AVC-2004-300-1/1 **Big Yam-Shaped Asteroid to Zoom Safely Past Earth Wednesday -Vid File**

Wed., Sept. 20, mountain-sized asteroid Toutatis will make its closest approach to Earth at 9:37 a.m. PDT. Coming no closer than four times the distance between Earth and the Moon, it poses no risk to Earth, but it is the closest approach of any known asteroid of comparable size this century
Audience: News Resource
Client: Platt
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/24/2004 - 0:02:30 Producer: Kline

AVC-2004-301-1/4 **NASA Explorer School Outreach Program: Lake View Elementary School**

Welcome: Colette Wright/School Principal introduces the schools superintendent,
Cheyenne Knaack/5th grader introduces Blaine Baggett/JPL, Assemblyman Tom Harmon (D) District 67, Hailey Sweeley/5th grader introduces Astronaut Barbara Morgan
Audience: Edu. JPL Site: Hunting.Beach
Client: Natalie Godwin/MRO, Org. 1810
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/24/2004 - 0:45:18 Producer: Chris Raymond

AVC-2004-301-2/4 **NASA Explorer School Outreach Program: Lake View Elementary School**

David Seidel of Education Outreach lectures with Astronaut Barbara Morgan. They experimented by driving one of the Mars rovers over some of the students. They had the students participate in a Mars demonstration explaining the atmosphere on Mars.
Audience: Edu. JPL Site: Hunting.Beach
Client: Natalie Godwin/MRO, Org. 1810
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/24/2004 - 0:26:11 Producer: Chris Raymond

AVC-2004-301-3/4 **NASA Explorer School Outreach Program: Lake View Elementary School**

Principal Dismissing students to go back to their classrooms.

Audience: Edu. JPL Site: Hunting.Beach
Client: Natalie Godwin/MRO, Org. 1810
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/24/2004 - 0:00:45 Producer: Chris Raymond

AVC-2004-301-4/4 **NASA Explorer School Outreach Program: Lake View Elementary School**

Closing Remarks: Coletta Wright/Lake View Elementary School Principal
Audience: Edu. JPL Site: Hunting.Beach
Client: Natalie Godwin/MRO, Org. 1810
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/24/2004 - 0:02:00 Producer: Chris Raymond

AVC-2004-302-1/1 **Asteroid Toutatis Makes Close Approach to Earth - Web Video**

Wed., Sept. 20, mountain-sized asteroid Toutatis will make its closest approach to Earth at 9:37 a.m. PDT. Featuring Dr. Don Yeomans and animations.
Audience: Gen.
Client: Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/27/2004 - 0:01:05 Producer: Kline

AVC-2004-304-1/1 M **MER "90 Sols in 90 Seconds"**

Two 90-second music videos. Sequential images from 90 Sols (Martian days) taken by the Mars Exploration Rovers, Spirit & Opportunity.
Audience: Gen. Resource
Client: Xaviant Ford
Master: DVD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/28/2004 - 0:03:00 Producer: Passaniti

AVC-2004-306-1/1 **Genesis Mission Status Report - Video File**

Interview with Dr. Eileen Stansbery, Johnson Space Center, Containment Control, Genesis project. Edited B-roll of work in the Dugway Utah cleanroom as parts of the Sample Return Capsule are examined, cataloged and packed for shipment to JSC.
Audience: News Resource
Client: Platt
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix

09/29/2004 - 0:02:00 Producer: Kline

AVC-2004-308-1/1 **Kepler's Supernova Turns 400 - Video File**
Supernova discovered by Johannes Kepler as seen by Hubble Space Telescope, Chandra X-Ray Observatory & Spitzer Space Telescope. Supernova animation. Animations of 3 great observatories. Interviews: Dr. William Blair, PI, Spitzer, and Dr. Ravi Sakrit, PI, Hubble, both of Johns Hopkins University.
Also contains: Images of Johannes Kepler, his book and his drawings of the sky with the location of the supernova. Supplementary interview with Dan Lewis, History of Science & Technology Curator, Huntington Library.
Audience: News Resource
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/04/2004 - 0:05:19

AVC-2004-309-1/1 **Mars Rovers Probing Water History at Two Sites - Video File**
The twin Mars rovers, Spirit and Opportunity, are finding more clues about watery episodes in the history of the sites they are exploring. NASA has extended their missions a second time.
Audience: News Resource Site: JPL
Client: NASA TV/Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/06/2004 - 0:04:58 Producer: Gary Savona

AVC-2004-310-1/3 **NASA Administrator's Symposium: Risk and Exploration "Earth"**
Exploration and risk were the topics for a this special symposium hosted by NASA administrator Sean O'Keefe. The symposium originated from the Naval Postgraduate School in Monterey, which examined the similarities between space exploration and other terrestrial expeditions with the help of some of the best known explorers in the world, including mountain climbers, deep sea explorers, scientists and science fiction writers. The discussions also included NASA astronauts, other notable aeronautics and deep space explorers.
Moderator: Chris McKay, Planetary Scientist, NASA ARC
Panelists: Ed Viesturs/American high-altitude mountaineer
Penny Boston/Director of Cave and Karst Studies, New Mexico Institute of Mining and Technology
Dale Andersen/Astrobiologist, Antarctic/Artic researcher,

SETI Institute
Nathalie Cabrol/Planetary Geologist,ARC, SETI Institute
Bill Stone/President, Stone Aerospace
David Roberts/Writer specializing in mountain climbing, adventure and archaeology
Audience: Tech. NASA Site: AMES/HQ
Client: Blaine Baggett, Org. 1800
Master: DVD
Audio 1: Mono mix 2: Mono mix
09/27/2004 - 2:28:00 Producer: Ames (rec by Ziats)

AVC-2004-310-2/3 **NASA Administrator's Symposium: Risk and Exploration "Sea"**
Moderator: David Halpern/ Senior Policy Analyst, White House Office of Science and Technology Policy
Panelists: John Chatterton/Professional diver, featured in the book "Shadow Divers"
Sylvia Earle/Founder and chairman, Deep Ocean Exploration and Research
Jean Michel Cousteau/President, Ocean Futures Society
Mike Gernhardt/NASA astronaut
James Cameron/Academy Award-winning director, undersea explorer
Laurence Bergreen/Author, "Over the Edge of the World: Magellan's Terrifying Circumnavigation of the Globe"
Audience: Tech. NASA Site: AMES/HQ
Client: Blaine Baggett, Org. 1800
Master: DVD
Audio 1: Mono mix 2: Mono mix
09/27/2004 - 2:53:00 Producer: Ames (rec by Ziats)

AVC-2004-310-3/3 **NASA Administrator's Symposium: Risk and Exploration "Stars"**
Moderator: John Grunsfeld, NASA Chief Scientist and astronaut
Panelists: Harrison Schmidt/Former NASA astronaut
Shannon Lucid/NASA astronaut
Steve Squyres/Professor of Astronomy at Cornell University, scientific principal investigator for the Mars Exploration Rover mission
Jim Garvin/NASA chief scientist for Mars and the moon
John Mather/James Webb Space Telescope senior project scientist, Goddard Space Flight Center
Graham Yost/Writer/director, "From the Earth to the Moon"
Audience: Tech. NASA Site: AMES/HQ
Client: Blaine Baggett, Org. 1800
Master: DVD
Audio 1: Mono mix 2: Mono mix

09/27/2004 - 2:49:00 Producer: Ames (rec by Ziats)

AVC-2004-311-1/1 **MER Telephone press briefing**
Jane Platt, Steve Squyres, Jim Erickson, Jim Bell, and John Grotzinger
Telephone Audio with web slides
Audience: News Resource Site: Telephone
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/07/2004 - 1:13:00 Producer: Hanchett

AVC-2004-312-1/1 **The Mars Show - The Mars Exploration Rover Mission**
Featuring launch animation, Two Landings, Surface animation and images from Spirit and Opportunity. DVD continuous loop. Narration by Rob Manning. Subtitled in English.
Audience: Gen. Resource
Client: Michelle Viotti, Org. 1861
Master: DVD
Audio 1: Mono mix 2: Mono mix
10/07/2004 - 0:15:00 Producer: Passaniti

AVC-2004-313-1/1 **Newfound Star Cluster May Be Final Milky Way "Fossil" - Video File**
Animated images from NASA's Spitzer Space Telescope reveal a never-before-seen globular cluster within the dusty confines of the Milky Way. The image shifts from visible through near-infrared to mid-infrared wavelengths.
Animation by Robert Hurt, Caltech.
Audience: News Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/08/2004 - 0:00:42 Producer: Kline

AVC-2004-314-1/1 **Indecisive El Nino Exhibits "Split Personality" - Video File**
These images show sea surface height anomalies in 2004. When oceanographers and climatologists view these "departures from normal" they can tell us how hear is being stored in the ocean to influence future planetary climate events, such as El Nino.
Audience: News Resource Site: JPL
Client: GSFC/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
10/12/2004 - 0:00:30 Producer: Savona

AVC-2004-315-1/1 **von Kármán Lecture: Mars Reconnaissance Orbiter**
"Mars Reconnaissance Orbiter; An Unprecedented Look at Mars" presented by Jim Graf, Project Manager of MRO.
The 2005 Mars Reconnaissance Orbiter will search for evidence that water persisted on the surface of Mars for a long period of time. While other missions have shown that water flowed across the surface in Mars' history, the mystery remains of whether water was ever present long enough for life. Mars Reconnaissance Orbiter will increase tenfold the number of spots surveyed close up, and will identify obstacles that could jeopardize the safety of future landers and rovers. One of the cameras is the largest ever flown on a planetary mission and will be able to look at small-scale areas, perfect for identifying small features. The orbiter's telecommunications system will establish a crucial service for future spacecraft. This "interplanetary Internet" can be used by numerous international spacecraft.
Audience: Gen. Site: von Kármán
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/14/2004 - 1:12:30 Producer: Savona

AVC-2004-316-1/1 **Astronomers Discover Planet Building Is Big Mess - Video File**
Planets are built over a long period of massive collisions between rocky bodies as big as mountain ranges. New observations from NASA's Spitzer Space Telescope reveal surprisingly huge dust clouds around several stars, most likely results of embryonic planets smashing into each other.
Audience: News Resource
Client: Gay Yee Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/15/2004 - 0:02:49 Producer: Kline

AVC-2004-317-1/1 **Spitzer Web Briefing- Astronomers Discover Planet Building is Big Mess**

Audio Teleconference with web graphics discussing the possible ways of the formation of planets around stars.
Presenters:
Dr. Jonathan Gardner
Dr. George Rieke
Dr. Scott Kenyon
Audience: News Resource

Client: Jane Platt, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/18/2004 - 0:50:00

AVC-2004-319-1/1 **Cassini Gets Up-Close to Saturn's Moon Titan - Video File**
The first close encounter of Saturn's smoggy moon Titan will be the focus of the Cassini spacecraft on Tuesday, Oct. 26, 2004. Larger than Pluto and Mercury, Titan is thought to have had an environment similar to that of early Earth's.
Audience: News Resource Site: JPL
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/20/2004 - 0:08:54 Producer: Savona

AVC-2004-323-1/1 **NASA First Person - Kevin Baines - Web Production**
The work, experiences and personal observations of JPL employee Kevin Baines as told by him. Produced for the Daily Planet and the JPL home page.
Audience: Gen. Site: JPL
Client: JPL home page, Org. 18
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/22/2004 - 0:02:57 Producer: Semerano

AVC-2004-324-1/2 **Cassini Titan Flyby Commentary, 6:30 p.m.- 9:30 p.m.**
Commentator: Gay Yee Hill, JPL Media Relations
Interviews: Earl Maize/JPL Deputy Program Manager, Carolyn Porco/Team Leader Imaging Science Subsystem of the Space Science Institute, Boulder, Co., Dr. Elachi/JPL Director, Bob Brown/Team Leader of the Visual and Infrared Mapping Spectrometer from University of Arizona, Tucson, Jean Pierre Lebreton/European Space Agency's (ESA) Project Manager, Jonathan Lunine/Interdisplinary Scientist from Tucson, Arizona
Audience: Gen. News Resource Site: 264-650
Client: Carolina Martinez, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/26/2004 - 3:04:39 Producer: Savona

AVC-2004-324-2/2 **Cassini Titan Flyby Commentary, 9:30 p.m.- 12:00 a.m.**
Commentator: Gay Yee Hill, JPL Media Relations
Interviews: Jonathan Lunine/Interdisplinary Scientist from

Tucson Arizona and Torrance Johnson/JPL Imaging Scientist
Audience: Gen. News Resource Site: 264-650
Client: Carolina Martinez, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/26/2004 - 1:32:36 Producer: Savona

AVC-2004-326-1/1 **New Images from Cassini's Close Flyby of Titan - Video File**
On Oct. 26, 2004, Cassini's flyby of Saturn's largest moon Titan was by far the closest any spacecraft has ever come - within 1,200 km (750 mi) of the surface. Featured images include the area of piggybacked probe Huygens' landing site, images made in various wavelengths & the team.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/27/2004 - 0:01:28 Producer: Kline

AVC-2004-328-1/1 **Cassini Press Briefing, 10/27/04 (9:00 a.m. PDT)**
Moderator: Natalie Godwin, Media Relations Rep.
Participants: Dr. Denis Bogan/Program Scientist from NASA Headquarters in Washington, DC
Dr. Earl Maize/Deputy Program Manager, JPL
Dr. Carolyn Porco/Team Leader of Imaging Science Subsystem from Space Science Institute, Boulder, Co.
Dr, Robert Brown/Team Leader of Visual and Infrared Mapping Spectrometer from University of Arizona, Tucson
Dr. Hunter Waite/Principal Investigator for the Ion and Neutral Mass Spectrometer from the University of Arizona, Tucson
Dr. Hunter Waite/Principal Investigator from Ion and Neutral Mass Spectrometer from University of Michigan, Ann Arbor, Mich.
Audience: News Resource Site: von Kármán Aud
Client: Carolina Martinez, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/27/2004 - 1:00:04 Producer: Savona

AVC-2004-329-1/1 **Cassini Press Briefing, 10/28/04 (9:00 a.m. PDT)**
Moderator: Natalie Godwin, Media Relations Rep.
Panelists: Dr. Charles Elachi/Team Leader Radar, JPL
Dr. Ralph Lorenz/Team Member Radar, University of Arizona, Tucson
Dr. Alfred McEwen/Team Member Imaging Science Subsystem,

University of Arizona, Tucson
Dr. Jonathan Lunine/Interdisplinary Scientist, University of Arizona, Tucson
Audience: News Site: von Kármán Aud
Client: Carolina Martinez, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/28/2004 - 0:59:37 Producer: Savona

AVC-2004-330-1/1 **The GAVRT Program**
Teachers, students, parents and JPL scientists give an overview of how the Goldstone Apple Valley Radio Telescope educational program helps inspire young students to excel in math and science.
Audience: Gen. Edu. Site: JPL
Client: Shirley Wolff
Master: BCAMsp Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/28/2004 - 0:04:13 Producer: Semerano

AVC-2004-331-1/1 **Cassini Shows Titan's Young, Active Surface - Video File**
The first Cassini synthetic aperture radar images of Saturn's hazy moon Titan show a complex geologic surface, which may be composed of icy materials and hydrocarbons. Images also show what appear to be wind-blown streaks on the surface. Images made during Cassini flyby Oct. 26, 2004.
Audience: News Resource
Client: Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/28/2004 - 0:03:56 Producer: Kline

AVC-2004-333-1/1 **Cassini Listen-and-Log-on News Briefing, 9-10 a.m. PDT**
Presenters:
Bob Mitchell, Cassini Program Manager;
Larry Soderblom, Radar Team Scientist;
Toby Owen, Interdisplinary Scientist.
Audience: News Resource Site: 186-123
Client: Carolina Martinez, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/29/2004 - 0:36:00 Producer: Ziats

AVC-2004-334-1/1 **Spirit Adds Clues about History of Rocks in Martian Hills - VideoFile**
MER rovers are still exploring after 10 months. Spirit:
Fresh clues that layered rocks in the "Columbia Hills" may

have originated as volcanic ash and been altered by water. Engineers are working on a steering problem. Opportunity: unexpectedly good power output from solar panels.
Contains two animated zoom-ins to Mars rocks, a narrated pan and an interview with Jim Erickson, Mars Exploration Rover Project Manager.
Audience: News Resource
Client: Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/03/2004 - 0:05:28 Producer: Kline

AVC-2004-335-1/1 **Risk Symposium Highlights**
Highlights of the NASA Administrator's Symposium "Risk and Exploration: Earth, Sea and the Stars," Naval Postgraduate School, Monterey, Calif., Sept. 26-29, 2004
Audience: Gen.
Client: Baggett
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/02/2004 - 0:16:17 Producer: Ziats

AVC-2004-336-1/1 **MER Telecon Briefing**
Recent findings and status of Mars rovers Spirit and Opportunity. Audio with graphics only.
Panelists-
James Erickson
Dr. Steven W. Squyres
Dr. Raymond E. Arvidson
Audience: News Resource Site: 186-TV Studio
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/04/2004 - 0:53:27 Producer: Ziats

AVC-2004-337-1/1 **"Four Approaches to the Origins of Life"**
VTV-1023 Dr. Steven Benner, professor of chemistry at the University of Florida, discusses how chemistry, geology, planetary science and biology are to the point of supporting coherent, hypothesis-based research investigating the origin of life.
Audience: Gen. Site: von Kármán Aud.
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/09/2004 - 1:11:00 Producer: Semerano

AVC-2004-339-1/1 **Spitzer Telephone News Briefing**
Telephone quality audio with web graphics
Moderator: Jane Platt
Presenters: Dr Gordon K. Squires, Spitzer Science Center,
Dr. Neal Evans, U of Texas at Austin,
Dr. Klaus Pontoppidan, Leiden Observatory, Netherlands.
Audience: News Resource
Client: J.Platt, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/09/2004 - 0:18:25

AVC-2004-343-1/1 **Deep Impact - Short Version of Animation for Web**
Edited version of SRC-000204 with music. No narration
Audience: Gen. Site: JPL
Client: Wanatabe
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/18/2004 - 0:01:30 Producer: Semerano

AVC-2004-344-1/1 **von Kármán Lecture Series: "To See or Not to See..."**
VTV-1028 von Kármán Lectures Series presents "To See or Not to See... Tools for Early Detection, Diagnosis and Prevention of Eye Disorders in Space and on Earth" by Dr. Wolfgang Fink.
Audience: Gen. Site: von Kármán Aud.
Client: PSO
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/18/2004 - 1:21:30 Producer: Savona

AVC-2004-345-1/1 **Mars Science Laboratory (MSL) Instrument Selection - Video File**
NASA has selected the scientific instruments for the Mars Science Laboratory, an advanced rover being developed for launch in 2009 and arrival at Mars in 2010. Among the selected investigations is a compact analytical lab for detecting and identifying any organic chemicals.
Audience: News Resource Site: JPL
Client: NASA TV/Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
11/22/2004 - 0:00:58 Producer: Savona

AVC-2004-346-1/1 **NASA Update November 23,2004**
NASA Administrator Sean O'Keefe discusses various topics

affecting the agency. Q&A follows.
Audience: JPL NASA Site: NASA TV
Client: Internal Comm., Org. 183
Master: DVCPro25 Submaster: VHS
Audio 1: Mono mix 2: Mono mix
11/23/2004 - 0:52:50 Producer: NASA HQ.

AVC-2004-348-1/1 **Reports Detail Rover Discoveries of Wet Martian History - Video File**
The most dramatic findings so far from NASA's Mars rovers -- telltale evidence for a wet and possibly habitable environment in the arid planet's past -- have passed rigorous scientific scrutiny for publication in a major research journal (Dec. 3, 2004 issue of SCIENCE).
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/02/2004 - 0:03:15 Producer: Kline

AVC-2004-350-1/1 **Life Detection Seminar Series: ....Submarine Hydrothermal Vent**
VTV-1040 "The Emergence of Life (and its Waste Products) at a Submarine Hydrothermal Vent"
Sponsored by JPL's Center for Life Detection
Presented by: Dr. Michael Russell, Professor of Applied Geology at the University of Glasgow, Scotland.
Audience: Gen. Tech. Site: von Kármán Aud
Client: Rowena Dineros
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/02/2004 - 1:22:46 Producer: Hardine

AVC-2004-353-1/1 **Mars Compilation DVD - Mars Exploration Rover Mission**
Includes- Mars Show, 2 Landings, Spirit Launch, Opportunity Launch, Spirit Landing, Spirit Egress, Spirit & Opportunity-90in90, Mars Exploration- A Framework for the Future, Animation-EDL-6 Minutes of Terror, ITE-Impact to Egress
Audience: Gen. Edu. JPL
Client: Mars Outreach
Master: DVD
Audio 1: Mono mix 2: Mono mix
12/03/2004 - 1:00:00 Producer: Rino Passiniti

AVC-2004-356-1/1 **Imagine Mars Webcast: Redd School Imagines Mars**
Jessica Collisson and Randy Lindemann of the Jet Propulsion Laboratory answer questions from students at Redd School in Houston Texas.

Stephenie Lievense moderates.
Audience: Gen. Edu. Site: JPL
Client: Mars Outreach
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/09/2004 - 0:30:00 Producer: Lievense/Savona

AVC-2004-359-1/1
VTV-1026

von Kármán Lecture Series: Peering into the Universe
Presented by: Dr. Rachel Akeson, JPL research scientist at the Caltech Michelson Science Center. Interferometry is a technique that combines the light collected by multiple telescopes to greatly increase the level of detail that can be seen. The Keck Interferometer links the two 10-meter Keck telescopes on Mauna Kea, Hawaii - the largest optical telescopes in the world - and has the resolving power to see a quarter in New York from Los Angeles. This presentation described the Keck Interferometer and presented highlights of its astrophysical discoveries, ranging from observations of young stars to the centers of galaxies millions of light-years from Earth.
Audience: Gen. Site: von Kármán Aud
Client: PSO, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/09/2004 - 0:47:23 Producer: Hardine

AVC-2004-360-1/1

Deep Impact Set to Launch and Impact Comet Tempel 1 - Video File
Scheduled for a Jan. 8, 2005, liftoff, NASA's Deep Impact spacecraft will deploy a probe that -- on July 4, 2005 -- will impact the nucleus of comet Tempel 1 at about 37,000 km/hr (23,000 mph). Tape includes animations, interview with Don Yeomans, Project Scientist, and clips of related missions.
Contents:
>Edited B-roll of assembly, pre-launch preparations and animation of mission.
>Interview with Don Yeomans, Deep Impact Project Scientist, JPL.
>Expanded B-roll:
1. 0:36 Animations of mission milestones.
2. 2:00 B-roll of S/C assembly & testing.
3. 0:18 B-roll of Ranger 7's POV during Moon impact in July 1964.
4. 0:23 Flyby of comet Wild 2, previous comet encounter.
5. 0:18 Animation showing S/C instruments.
6. 0:50 Animation of comet Tempel 1.

7. 0:29 Laboratory impact testing.
8. 0:13 Animation of Deep Impact trajectory.
9. 1:52 Longer duration animation of mission.
Audience: News Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/10/2004 - 0:09:43 Producer: Kline

AVC-2004-361-1/1 **Mars Rovers Spot Water-Clue Mineral, Frost Clouds - Video File**
Scientists have identified a water-signature material in bedrock that NASA's Mars rover Spirit examined in the "Columbia Hills," and Opportunity has seen frost and dramatic clouds marking seasonal changes and daily weather. Stills plus interview with Steve Squyres, PI for MER.
1. Still of clouds above "Endurance Crater."
2. Interview with Squyres.
3. Still: a rock called "Clovis," with patches where Spirit's RAT removed surface material. The rover discovered a water-signature mineral called geothite ("GUR-tite") in this rock.
4. Pan & Still: View of "Burns Cliff" on Mars taken by Opportunity's pancam when the rover had driven up to the base of the cliff inside "Endurance Crater."
5. Pan & Still: Super-resolution view of layers at the base of "Burns Cliff" that have textures suggesting the sediments were moved by wind, unlike some higher layers, which were apparently deposited in water.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/13/2004 - 0:03:35 Producer: Kline

AVC-2004-362-1/1 **Cassini Close-up of Titan, Last before Huygens Probe Release-VideoFile**
Saturn's smog-cloaked moon Titan, with its Earth- like nitrogen atmosphere, is once again the focus of a close flyby by the Cassini spacecraft on Dec. 13, 2004. Includes 3 new images, a diagrammatic animation of Cassini's activities during the flyby & animation of Cassini at Saturn.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/13/2004 - 0:04:42 Producer: Kline

AVC-2004-363-1/1 **MER telephone Press conference**
From AGU
Steve Squires, Jim Erickson, and others
Audio Only
Audience: News Resource Site: telephone
Client: Guy Webster, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/13/2004 - 1:23:00 Producer: Hanchett

AVC-2004-366-1/1 **Galex Discovers Spawning Massive Galaxies - Video File**
NASA's Galaxy Evolution Explorer has spotted what appear to be massive baby galaxies in our corner of the universe. The recent discovery offers astronomers their first, close-up glimpse at what our galaxy probably looked like when it was in its infancy.
Audience: News Resource Site: JPL
Client: NASA TV/Gay Yee Hill
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/17/2004 - 0:04:09 Producer: Frank Semerano

AVC-2004-368-1/1 **Cassini Sends Postcards of Saturn's Moons Titan and Dione - Video File**
The Cassini spacecraft revealed spectacular new details of the surfaces of the moons Titan and Dione ("dee-OH-nee") during flybys on Dec. 13 and 14, 2004. 4 stills and animations of Cassini's activity pattern during the flyby and of the Cassini spacecraft at Saturn and Titan.
4 stills:
PIA06154, PIA06155, PIA06160, PIA06161
SOAP animation showing Cassini's activity pattern during the flyby.
Brief animation of Cassini spacecraft at Saturn and Titan.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: Silent 2: Silent
12/15/2004 - 0:04:52 Producer: Kline

AVC-2004-370-1/1 **SRTM Takes You "Down Under" for Mapping Finale - Video File**
NASA releases its final Shuttle Radar Topography Mission (SRTM) digital elevation maps of our planet, covering Australia, New Zealand, and more than 1,000 islands. The data will be used to create the world's most accurate topographic map.

Audience: News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/20/2004 - 0:08:50 Producer: Gary Savona

AVC-2004-371-1/1 **Galex Web Teleconference**
NASA announces adult universe still spawning massive galaxies.
Panelists: Dr. Ziatan Tsvetanov/Galaxy Evolution Explorer Program Scientist-NASA Headquarters
Dr. Tim Heckman/Director of Center for Astrophysical Sciences-John Hopkins University, Baltimore, Md.
Dr. Chris Martin/Galaxy Evolution Explorer Principal Investigator-California Institute of Technology, Pasadena, Calif.
Dr. Alice Shapley/Miller Fellow-University of California, Berkeley
Media contacts:
Whitney Calvin-JPL
Don Savage-NASA HQ
Audience: News Resource Site: NASA HQ
Client: Whitney Calvin/MRO, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/21/2004 - 0:40:05 Producer: Ziats

AVC-2004-372-1/1 **Twelve Wheels on Mars: The 2004 Mars Exploration Rover Mission**
VTV-1016 Syd Lieberman, an internationally acclaimed storyteller, award winning teacher and author conducted a live story performance of his rendition of the human side of the mission. This is a revised version of AVC-2004-252.
Audience: Gen. Site: von Kármán Aud
Client: Stephanie Lear, Org. 1860
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix AVC-2004-252
12/17/2004 - 0:56:24 Producer: Hardine

AVC-2004-373-1/1 **AGU Cassini Press Conference**
Participants: Linda Spilker, Kevin Baines, Carolyn Porco, and Jean-Pierre Lebreton
Audience: News Resource Site: San Francisco
Client: Carolina Martinez, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/16/2004 - 0:43:23 Producer: Ziats

AVC-2004-374-1/1 **Animation: The European Space Agency's Huygens Probe**
Animation showing the separation of the Huygens Probe from the Cassini spacecraft and the probe's descent to Saturn's moon Titan. Animation provided by ESA (European Space Agency). The Cassini-Huygens mission is a project of NASA, ESA and ASI (the Italian Space Agency).
Audience: Resource
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/23/2004 - 0:07:21 Producer: ESA

AVC-2004-375-1/1 **Cassini/Huygens Interviews and Animations - Supplied by ESA**
Construction of Probe. Scientists discuss Cassini images. B-roll of JPL & ESOC. Intvus: Claudio Solazzo, Huygens Mission Ops Mgr; Jonathan Lunine and Tobias Owen, Cassini/Huygens Interdisciplinary Scientists, Charles Elachi, Cassini Radar Team Leader, Bob Mitchell, Cassini Mission Mgr.
Animation notes:
Some animation excerpts are used in the B-roll, but all animation is replayed in full during the last 7:21 of the tape. Some is new ESA animation; some is from Ringworld.
Interviews info in full:
Claudio Solazzo, Huygens Mission Operations Manager.
Jonathan Lunine, Cassini/Huygens Interdisciplinary Scientist, Univ. of Arizona.
Tobias Owen, Cassini/Huygens Interdisciplinary Scientist, Univ. of Hawaii.
Dr. Charles Elachi, Cassini Radar Team Leader.
Robert Mitchell, Cassini Mission Manager.
Audience: Resource
Client:
Master: DVCPro50
Audio 1: V/O mix 2: Nat sound
12/16/2004 - 0:20:03 Producer: ESA

AVC-2004-376-1/1 **Mars Exploration Rover One-Year Anniversary Compilation Reel**
Video and animation of significant events in the year just spent on Mars by the two rovers Spirit and Opportunity. Launches, Team members reacting to landings, "90 Sols in 90 Seconds," Microscopic images, "blueberries," Panoramas, quotes from Steve Squyres and Ed Weiler.
1:52 Spirit launch
3:00 Opportunity launch

1:38 Team members react
6:15 Dan Maas animation excerpt
1:33 90 Sols in 90 Seconds - Spirit
1:35 90 Sols in 90 Seconds - Opportunity
0:33 Mazatzal zoom
0:09 "Blueberries" zoom
1:07 Eagle Crater pan
0:23 Look back at Eagle Crater
1:45 Pan from atop Columbia Hills
1:50 Endurance Crater pan
1:15 Zoom to microscopic view at Opportunity Ledge
0:21 Quote from Squyres, principal investigator for the rovers' science instruments
0:22 Quote from Weiler, NASA's associate administrator for space science at the time of the landings.
Audience: Resource
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/29/2004 - 0:27:26 Producer: Kline

AVC-2004-377-1/1 **Mars Exploration Rover One-Year Anniversary Comp Reel - SHORT VERSION**

Events in the year just spent on Mars by the two rovers Spirit and Opportunity. Team members reacting to landings, "90 Sols in 90 Seconds," Microscopic images, Panoramas, quote from Steve Squyres, principal investigator for the rovers' science instruments.
1:38 Team members react
1:33 90 Sols in 90 Seconds - Spirit
0:33 Mazatzal zoom
1:07 Eagle Crater pan
1:45 Pan from atop Columbia Hills
1:50 Endurance Crater pan
0:21 Quote from Squyres, principal investigator for the rovers' science instruments
Audience: Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/29/2004 - 0:10:45 Producer: Kline

AVC-2004-378-1/1 **JPL/Caltech Float Set to Launch on Rose Parade Mission - Video File**
Video of outdoor testing of the float entered in the 2005 Tournament of Roses Parade. Video was made before the flowers were added. Nat sound. Derived from SRC-000522.

Audience: Resource
Client: McGregor
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/29/2004 - 0:06:42 Producer: Kline

AVC-2004-379-1/1 **Spirit & Opportunity: One Year on Mars**
The mission success and longevity of Spirit and Opportunity are celebrated through interviews, animations and documentary footage. Features interviews with Rob Manning, Jessica Collisson, Pete Theisinger, Steve Squyres and Joy Crisp.
Audience: Gen. Site: JPL
Client: Baggett
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
12/29/2004 - 0:02:56 Producer: Hulme

AVC-2004-380-1/1 **Inspired: Kids Build Rovers - Web Production**
Students at Washington Middle School in Altadena, California create their own versions of planetary rovers.
Audience: Gen.
Client: S. Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/30/2004 - 0:01:43 Producer: Semerano

AVC-2005-001-1/1 **Mars Exploration Rovers 1 Year Anniversary News Briefing**
Intro: Natalie Godwin, Media Relations Rep.
Panelists: Dr. Charles Elachi/JPL Director
NASA Administrator Sean O'Keefe
Jim Erickson, Mars Exploration Rover Project Manager/JPL
Dr. Steve Squyres, Mars Exploration Rover Principle Investigator/Cornell, Ithaca, N.Y.
Dr. Firouz Naderi, Mars Exploration Rover Program Manager/JPL
Dr. Jim Garvin, Chief Scientist/NASA Headquarters, Washington D.C.
Audience: News Resource Site: von Kármán Aud
Client: Veronica McGregor, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/03/2005 - 1:00:20 Producer: Savona

AVC-2005-002-1/1 **"One Year Later: Mars Stories We've Never Told"**
VTV-1049 Panelists: Dr. Firouz Naderi, JPL Mars Exploration

Rover Program Manager;
Rob Manning/JPL Entry, Descent and Landing Manager;
Jennifer Trosper, JPL Spirit Mission Manager;
Polly Estabrook/JPL Entry, Descent and Landing Telecommunications Expert;
Mark Adler/JPL Spirit Mission Manager;
Steve Collins/JPL Attitude Control Expert.
Audience: Edu. Site: von Kármán Aud
Client: Michelle Viotti, Org. 1860
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/03/2005 - 0:45:36 Producer: Savona

AVC-2005-004-1/1 **Mars Reconnaissance Orbiter: Fall 2004 Update**
Interviews and documentary footage capture the state of the Mars Reconnaissance Orbiter project during its assembly and testing phase. Features interviews with J. Graf, M. Malin, H. Eisen, P. Barela and R. Zurek.
Audience: Gen. Resource
Client: MPE
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/19/2004 - 0:02:40 Producer: Hulme

AVC-2005-005-1/1 **NASA's Next Mars Mission Readies for August Launch - Video File MRO**
Animation of Mars Reconnaissance Orbiter (MRO) aerobraking into orbit around Mars. B-roll of MRO assembly at Lockheed Martin Space Systems in Denver. Interview excerpts: Dr. Richard Zurek, JPL Mars Reconnaissance Orbit Project Scientist.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/06/2005 - 0:03:38 Producer: Kline

AVC-2005-006-1/1 **Spirit of Exploration**
VTV-1022
The story of JPL's missions for the 12 months leading up to June 2004 is told by animations, documentary footage and interviews.
Audience: Gen.
Client: Baggett
Master: DVCProHD Submaster: DVD
Audio 1: Stereo 2: Stereo
01/06/2005 - 0:31:48 Producer: Kline/Baggett

AVC-2005-008-1/1 **Mars On Earth II**
In this second installment of "Mars on Earth", Jim Garvin, Lead Scientist for Mars Exploration, shows some of the similarities in geology between Earth and Mars from Reykjanes Peninsula in Iceland.
Audience: Gen.
Client: M. Viotti, Org. 1861
Master: DVCPro50 Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/15/2004 - 0:09:28 Producer: Beck

AVC-2005-009-1/1 **Entering Endurance Crater**
Interview and documentary footage give an overview of the rover This is sample texting required to make the decision to send Opportunity into Endurance Crater. Features an interview with rover mobility engineer Randy Lindemann.
Audience: Gen. Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/15/2004 - 0:03:21 Producer: Beck

AVC-2005-010-1/1 **Driving Uphill Backwards**
Interviews and documentary footage give an overview of the engineering solution to Spirit's right front wheel troubles. Features interviews with Julie Townsend and Joe Melko.
Audience: Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/01/2004 - 0:03:45 Producer: Beck

AVC-2005-011-1/1 **Deep Impact Press Conference**
Planned liftoff for the mission is Jan. 8, 2005. NASA's Deep Impact spacecraft has a six-month, 431 million kilometer (268 million mile) voyage to comet Tempel 1, where it will send a projectile crashing into the comet. The first time this has ever been attempted, the impact should create a stadium-sized crater, allowing scientists to study pristine material inside the comet dating back to the formation of our solar system.
Briefing panelists:
-- Andy Dantzler, Acting Director, Solar System Division, NASA Headquarters
-- Tom Morgan, Deep Impact Program Scientist, NASA

Headquarters
-- Rick Grammier, Deep Impact Project Manager, Jet Propulsion Laboratory
-- Mike A'Hearn, Deep Impact Principal Investigator, University of Maryland, Baltimore
-- Karen Meech, Deep Impact Co-Investigator, Institute for Astronomy, Hilo, Hawaii
Audience: Gen. News Resource Site: NASA HQ
Client: DC Agle
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
12/14/2004 - 1:00:00 Producer: NASA HQ

AVC-2005-015-1/1 **Deep Impact Pre-Launch News Briefing**
Intro: Jessica Rye. Panelists: Orlando Figueroa, Omar Baez, Kris Walsh, Rich Grammier, Monte Henderson and Joel Tumbiolo.
Audience: News Resource Site: KSC
Client: Media Relations
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/11/2005 - 0:45:00 Producer: KSC

AVC-2005-016-1/1 **NASA First Person - Dr. Don Yeomans - Web Production**
The work, experiences and personal observations of JPL employee Dr. Don Yeomans as told by him. Produced for the Daily Planet and the JPL home page.
Audience: Gen. Site: JPL
Client: Susan Watanabe
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/11/2005 - 0:02:52 Producer: Semerano

AVC-2005-017-1/1 **Deep Impact Launch Coverage**
VTV-1042 NASA Television covered the launch. Coverage will conclude approximately one hour after liftoff, once data from the Deep Space Network confirms the spacecraft's solar arrays have successfully deployed.
Audience: Gen. Resource Site: Cape Canaveral
Client: DC Agle, Org. 1870
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/12/2005 - 2:58:45 Producer: NASA TV

AVC-2005-019-1/1 **Huygens final status press conference (pre-descent)**
Live TV feed from Europe via ESA TV, rebroadcast on NASA TV.

D. Southwood, M. Dahl (NASA), J-P. Lebreton, C. Sollazzo participating.
Audience: News Resource Site: NASA-TV
Client: Cassini / MRO
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/13/2005 - 0:52:00 Producer: ESA

AVC-2005-021-1/1 **Cassini Turns Towards Titan Commentary, 12 Mid.-12:30am PST**
Cassini Turns Towards Titan-Interruption of Radio Contact. Live coverage of the Jet Propulsion Laboratory/European Space Agency mission from Darmstadt, Germany.
Audience: News Resource Site: Darmstadt, DDR
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 0:30:00 Producer: ESA (Hanchett)

AVC-2005-022-1/1 **The Huygens Probe Enters the Atmosphere Commentary, 2:00-3:15am PST**
Live coverage and commentary of The Huygens probe entering the atmosphere of Titan. A Jet Propulsion Laboratory/European Space Agency mission from Darmstadt, Germany.
Audience: Gen. News Resource
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 1:15:00 Producer: ESA (Hanchett)

AVC-2005-023-1/1 **ESA News Briefing "Mission Status", 4:30-5:00am PST**
A Jet Propulsion Laboratory/European Space Agency interactive media briefing from Darmstadt, Germany.
Audience: News Resource Site: Darmstadt, DDR
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 0:30:00 Producer: ESA (Hanchett)

AVC-2005-024-1/1 **ESA Commentary on Huygens Probe Mission, 5:30-6:15am PST**
A Jet Propulsion Laboratory/European Space Agency mission coverage from Darmstadt, Germany.
Audience: Gen. News Resource Site: Darmstadt, DDR
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix

01/14/2005 - 0:45:00 Producer: Hanchett

AVC-2005-025-1/1 **Huygens Descent/JPL Commentary #1, 6:30-7:00AM PST**
Commentator: Gay Yee Hill, Media Relations
Participants: Bob Mitchell-JPL Cassini Program Manager, Shaun Standley-ESA Huygens Systems Engineer, Richard Miller-DSN Mission Manager
They announced that they got a signal and that the probe has landed.
Audience: Gen. News Resource Site: 230 MSA
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 0:27:43 Producer: Savona

AVC-2005-026-1/1 **Huygens Descent/JPL Commentary #2, 9:20 - 9:26AM PST**
Commentator: Gay Yee Hill, Media Relations
Participants: Bob Mitchell, JPL Cassini Program Manager, Shaun Standley, ESA Huygens Systems Engineer, Dr. Charles Elachi, Director, JPL
They discussed transmission links.
Audience: Gen. News Resource Site: 230 MSA
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 0:06:00 Producer: Savona

AVC-2005-027-1/1 **NASA Update with Administrator Sean O'Keefe**
The Administrator marked the first anniversary of President Bush's announcement of the Vision for Space Exploration and discussed progress toward its milestone-driven implementation. Craig Steidle and Jim Kennedy joined the Administrator at KSC and presented the latest developments with the developments with the Space Shuttle and the Exploration Systems Mission Directorate. Bill Gerstenmaier and Charles Elachi participated via satellite to elaborate on the role of the International Space Station and the Jet Propulsion Laboratory in achieving the Vision's goals.
Audience: NASA Site: NASA HQ
Client: Blaine Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 1:07:30 Producer: NASA HQ

AVC-2005-028-1/1 **ESA Commentary and Presentation of First Triplet Image**
Coverage between 11:45 a.m. and 12:00 p.m.

ESA commentary and presentation of first triplet image of data from Titan. ESA coverage.
Audience: Gen. News Resource
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 0:18:30 Producer: ESA (Hanchett)

AVC-2005-029-1/1 **ESA/JPL Commentaries and ESA News Briefings**
ESA Commentary 7:00-7:30AM
LIVE Feed 7:30-8:15AM
ESA Briefing 8:15-9:00AM
JPL Commentary 9:00-9:30AM
Audience: Gen. News Resource Site: Germany/JPL
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 2:00:00 Producer: ESA/JPL (Hanchett)

AVC-2005-030-1/1 **ESA Commentary and Presentation of Additional Images from Titan**
ESA commentary and presentation of additional/processed images of Titan - JPL/ESA mission coverage. Includes interviews with Dr. Charles Elachi and Bob Mitchell from JPL as part of the program. First 9 min. playback to new stills. Program begins at 9:00.
Audience: Gen. News Resource Site: ESA/JPL
Client: Media relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 0:27:55 Producer: ESA/JPL

AVC-2005-031-1/1 **JPL Commentary of Cassini/Huygens**
JPL commentary on Cassini/Huygens, including new pictures, by Gay Yee Hill. Interviews include Torrence Johnson, JPL Cassini Imaging Scientist. 2:30 PST.
Audience: Gen. News Resource Site: JPL 230
Client: Media relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/14/2005 - 0:23:30 Producer: Savona

AVC-2005-032-1/2 **ESA's First Science Briefing, 2:00-3:15am PST**
ESA Final Wrap-Up of Huygens Probe mission-JPL/ESA (Mission Coverage).
Audience: Gen. News Resource Site: Germany
Client: Veronica McGregor, Org. 1870

Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/15/2005 - 1:06:00 Producer: ESA

AVC-2005-032-2/2 **ESA's First Science Briefing, 2:00-3:15am PST**
ESA Final Wrap-Up of Huygens Probe mission-JPL/ESA (Mission Coverage).
Audience: Gen. News Resource Site: Germany
Client: Veronica McGregor, Org. 1870
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/15/2005 - 0:15:00 Producer: ESA

AVC-2005-033-1/1 **The Universe Sends a Celestial Valentine -Video File- Spitzer Cassini**
NASA's Spitzer Space Telescope and Cassini mission are providing a Valentine's Day memento with two new views of dazzling rings and a celestial flower. Pan of rings. Zoom on still of "flower." Animation of Cassini at Saturn. Animation of Spitzer -- sky becomes infrared sky.
Audience: News Resource
Client: Hill
Master: DVCPro50
Audio 1: MOS 2: MOS
01/01/2005 - 0:01:47 Producer: Kline

AVC-2005-034-1/1 **Mars Compilation**
Mars compilation includes AVC-2005-002 "One Year Later: Mars Stories You've Never Heard" and AVC-2005-012 "The Mars Show."
Audience: Resource
Client: AVSO
Master: DVD
Audio 1: Mono mix 2: Mono mix
01/19/2005 - 0:50:00 Producer: Kennedy/Gonzalez

AVC-2005-035-1/1 **Earth and Space Colloquium: Search for Extraterrestrial Intelligence**
VTV-1029 Jill Tarter, Director of the Center for SETI
Research spoke on "Search for Extraterrestrial Intelligence: Pulling Signals Out of Cosmic Noise". Who will speak for Earth? What will they say? Maybe by then we will be old enough and wise enough to find some answers.
Audience: Site: von Kármán Aud
Client: Michelle Judd, Org. 322
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/20/2005 - 1:28:40 Producer: Hardine

AVC-2005-036-1/1 **von Kármán Lecture: "Oceans: Today's View from Space w/Supercomputers"**

Presented by Dr. Ichiro Fukumori, JPL Principal Scientist. Earth is the Ocean Planet: ocean waters, vital to all life, cover more than 70 percent of Earth's surface. Stirred and mixed by mighty currents, the oceans distribute heat across the globe and regulate our climate. From rapidly changing small waves to slowly varying currents across the globe, many factors drive the oceans and our climate. Satellites have revolutionized oceanography, allowing measurements that took decades to collect from ships to be completed in just a few days. This presentation describes how oceanography has evolved from ships to satellites, and to the latest innovation in computer models that combines all these different views of our global oceans. Welcome to "cyber-oceanography."
Audience: Gen. Site: von Kármán Aud
Client: PSO, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/20/2005 - 1:10:54 Producer: Hardine

AVC-2005-038-1/1 **Jason, SRTM & Terra Provide Imagery on Tsunami - Video File**

Imagery from several NASA spaceborne instruments/missions is shedding valuable insights into the Indian Ocean tsunami. They are being used by scientists and other government agencies to monitor such events, assess their impacts, refine tsunami models; increase our knowledge of them.
Audience: News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
01/21/2005 - 0:04:08 Producer: Savona

AVC-2005-039-1/1 **ESA News Briefing Jan. 21, 2005, 2:00AM PST-Huygens Science Update**

This briefing from ESOC in Darmstadt, Germany, gives an update on science acquired from the Huygens Probe's landing on Saturn's moon Titan. It includes explanation of discoveries and release of high resolution images from the Huygens Principle Investigators.
Audience: News Resource Site: ESOC
Client: Media Relations
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/21/2005 - 1:10:20 Producer: ESA (Hanchett)

AVC-2005-042-1/1 **NASA Day of Remembrance**
A Day of Remembrance observance honoring those members of the NASA Family who lost their lives while furthering the cause of exploration and discovery. The program featured remarks by the Expedition 10 crew on board the International Space Station, Administrator O'Keefe, Deputy Administrator Gregory and T.K. Mattingly, the command module pilot on Apollo 16 in 1972 and commander of the STS-4 Columbia mission in 1982 and STS-51C Discovery mission in 1985.
Audience: Gen. Site: NASA HQ
Client: NASA HQ
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/26/2005 - 0:39:20 Producer: NASA TV

AVC-2005-045-1/1 **An Odyssey of Exploration**
Documentary interviews, animations and music highlight the accomplishments of the 2001 Mars Odyssey project at the completion of Odyssey's primary mission.
Audience: Gen. Resource
Client: Michelle Viotti
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/31/2005 - 0:11:25 Producer: Hulme

AVC-2005-046-1/1 **Astronomers Discover Beginnings of 'Mini' Solar System - VF Spitzer**
Video File - A low-mass brown dwarf (or "failed star") called OTS44 is 15 times the mass of Jupiter. This animation shows the star surrounded by a swirling disc of planet-building dust. OTS44 is the smallest brown dwarf known to host a planet-forming disc.
Audience: News Resource
Client: Hill
Master: DVCPro50
Audio 1: MOS 2: MOS
01/10/2005 - 0:01:40 Producer: Kline

AVC-2005-054-1/1 **von Kármán Auditorium Version: Spirit of Exploration**
The story of JPL's missions in 2004 is told by animations, documentary footage and interviews.
Short version.
Audience: Gen.
Client: Baggett
Master: DVCProHD Submaster: DVCProHD
Audio 1: Stereo L 2: Stereo R

02/17/2005 - 0:18:05 Producer: Beck/Kline

AVC-2005-055-1/1 **Titan and Enceladus - Seen Like Never Before - Video File**
The Cassini spacecraft flew by Saturn's moons Titan and Enceladus on Feb. 15-16. Includes radar images of Titan taken during Cassini's third close flyby and images of Enceladus taken during the first close flyby.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
02/17/2005 - 0:03:11 Producer: Kline

AVC-2005-056-1/1 **Women Working on Mars**
VTV-1047 Students hear from a diverse group of girls and women involved in science and engineering and how they can get involved with robotics at any age.
Audience: Gen. Site: 186 TV Studio
Client: Stephanie Lievense
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/25/2005 - 0:41:58 Producer: Savona

AVC-2005-058-1/1 **von Kármán Lecture: Capturing the "Lord of the Rings"**
VTV-1035 Cassini-Huygens Mission to Saturn was the topic as Julie L. Webster, JPL-Cassini Spacecraft Operations Office Manager discussed how the Cassini spacecraft is one of the most complex missions ever flown. Cassini is settling in to perform a very ambitious four-year prime mission.
Audience: Gen. Site: von Kármán Aud
Client: PSO, Org. 1840
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/24/2005 - 1:22:25 Producer: Hardine

AVC-2005-060-1/1 **Spitzer Finds Galaxies Buried in Dust- Video File**
NASA's Spitzer Space Telescope has uncovered a hidden population of monstrously bright galaxies located 11 billion light-years away. Each of these strange galaxies shines the equivalent light of 10 trillion suns.
Audience: News Resource
Client: Gay Yee Hill
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/25/2005 - 0:05:01 Producer: Ford

AVC-2005-061-1/1 **Moonbeams Shine on Einstein, Galileo & Newton - VF Lunar Laser Ranging**

Astronauts placed the Lunar Laser Ranging Experiment on Earth's Moon 35 years ago. It is still active. Images from lunar surface; time-lapse complete lunar cycle, Apollo 15 astronaut repeats Galileo's famous gravity experiment; interview Dr. Slava Turyshev, JPL research scientist.
Audience: News Resource
Client: Hill/Platt
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/28/2005 - 0:05:51 Producer: Kline

AVC-2005-063-1/1 **New Saturn Movies Show Rings Edge-on and Moon Eclipse - Video File**

Two movies made by NASA's Cassini spacecraft: 1. Mimas, Saturn's little moon with the big crater, is seen with an edge-on view of the rings. 2. Saturn's moon Dione eclipses the moon Rhea.
3. Animation of the Cassini spacecraft in orbit around Saturn.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
03/12/2005 - 0:02:52 Producer: Kline

AVC-2005-065-1/1 **Volunteer Network Provides Ringside Seat to Saturn - Video File**

The Cassini-Huygens mission to Saturn has established the Saturn Observation Campaign, a network of volunteers across the country who invite their local communities to view Saturn through their telescope. There more than 380 volunteers in the US and 50 countries are members.
Audience: News Resource
Client: NASA TV/ Martinez
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/02/2005 - 0:08:44 Producer: Ford

AVC-2005-066-1/1 **Human Opponent Defeats Robotic Arms...Hands Down! - Video File**

A human defeated three robotic arms hands down. In the historic arm wrestling competition, the 17-year old high school student beat all three arms made with artificial muscles. The competition is one of the highlights at the Electroactive Polymer & Devices conference held in San Diego, CA

Audience: News Resource Site: San Diego
Client: NASA TV/Godwin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/08/2005 - 0:09:12 Producer: Savona

AVC-2005-068-1/1 **NASA's Imaging Radar (SAR) Detects Ocean Pollution - Video File**
A NASA and university-funded study of coastal marine pollution hazards in Southern California concludes space-based synthetic aperture radar (SAR) can be a vital observational tool for assessing and monitoring ocean pollution in the world's urbanized coastal regions.
Audience: News Resource Site: JPL
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/11/2005 - 0:05:04 Producer: Savona

AVC-2005-069-1/1 **Earth & Space Science Colloquium**
VTV-1053 Earth & Space Science Colloquium - by Professor Jonathan Lunine of the University of Arizona.
In the nine years since the first giant planet beyond the solar system was detected, we have learned a surprising amount about these objects. Distributed in orbits that range from 1/10 that of Mercury's to nearly that of Jupiter, these bodies range upward in size from Uranus. Size, density, and crude atmospheric compositions have been gleaned for a few from transit studies, but for the rest even the orbit and mass distributions are revealing of their origins and, as well, the origin and typicality of our own solar system. The prospect of direct study via giant ground-based telescopes and the James Webb Space Telescope opens the possibility that planetary science will truly become a field of many objects, closing out four centuries in which only four giant planet studies were known and studied intensively.
Audience: Gen. Site: von Kármán Aud.
Client: Michele Judd
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/14/2005 - 1:01:14 Producer: Savona

AVC-2005-072-1/1 **Spitzer Sees First Light from Planets Beyond Solar System - Video File**
Animation: artist's concept of extrasolar planet in visible vs. infrared light and being eclipsed by its parent star.
Interview excerpts: Dr. Drake Deming, Planetary Scientist, Goddard Space Flight Center. Animation of Spitzer Space

Telescope.
Audience: News Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/16/2005 - 0:05:49 Producer: Kline

AVC-2005-073-1/1 **Spirit 343 Sols / Opportunity 322 Sols**
Mars Exploration Rovers Spirit and Opportunity motor across the surface of Mars in two movies created with images from the hazard avoidance cameras on each rover.
Audience: Gen. Resource Site: JPL
Client:
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/16/2005 - 0:06:43 Producer: Lewicki/Leung

AVC-2005-075-1/1 **von Kármán Lecture Series: "Big Things Come in Small Packages"**
"Big Things Come in Small Packages: Mission Concepts Potentially Enabled by Small-RPS Technology" was presented by Robert Dean Abelson of JPL's Near Earth Mission Architecture Group.
The increased use of smaller spacecraft over the last decade, in combination with studies of potential science applications, has suggested the need for radioisotope power systems (RPSs) yielding much lower power levels than the 100-watt-scale devices used in the past. First used in space by the United States in 1961, RPSs convert the heat released from the nuclear decay of radioactive isotopes into electricity, and are long-lived, rugged, compact, highly reliable, and relatively insensitive to radiation and other space environmental effects. They can operate continuously, independent of orientation to and distance from the Sun. Small-scale RPS units have the potential to extend the capability of small science payloads and instruments and to enable new mission applications, finding use in future human exploration missions involving monitoring stations and autonomous devices. This presentation summarized mission studies results and technology development activities to date, and activities planned for the future.
Audience: JPL Site: von Kármán Aud.
Client: Public Services, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/17/2005 - 1:18:35 Producer: Hardine

AVC-2005-077-1/1 **Spitzer Sees Light of a Distant Planet - Web Video**
Dr. Drake Deming (Goddard Space Flight Center) describes how the Spitzer Space Telescope measured the heat radiation emitted by a planet orbiting a star other than the Sun. Animations show the planet passing behind its parent star and infrared measurements of the planet's heat.
Audience: News Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/22/2005 - 0:01:25 Producer: Kline

AVC-2005-078-1/1 **Mars Reconnaissance Orbiter Highlight Compilation**
Highlights of the Mars Reconnaissance Orbiter assembly and testing at the Jet Propulsion Laboratory, Johns Hopkins Applied Physics Lab, Ball Aerospace, and Lockheed Martin Space Sciences.
Audience: Gen.
Client: Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/16/2005 - 0:31:00 Producer: Passaniti

AVC-2005-079-1/1 **Spitzer Space Science Update**
New discoveries made by NASA's Spitzer Space Telescope. Astronomers announced major findings about planets outside our solar system, known as extrasolar planets. Researchers have discovered new capabilities of the infrared telescope to aid in the study of these planets.
Panelists:
-- Dr. Drake Deming, chief, planetary systems laboratory, NASA's Goddard Space Flight Center, Greenbelt, Md.
-- Dr. David Charbonneau, assistant professor of astronomy, Harvard-Smithsonian Center for Astrophysics, Cambridge, Mass.
-- Dr. Alan Boss, staff research astronomer, Department of Terrestrial Magnetism, Carnegie Institution of Washington
-- Dr. Kim Weaver, moderator; Spitzer program scientist, NASA's Science Mission Directorate, Washington.
Audience: News Resource Site: HQ
Client: Media Relations, Org. 186
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
03/22/2005 - 0:24:00 Producer: NASA TV

AVC-2005-081-1/1 **NASA First Person - Kevin Grazier - Web Production**

The work, experiences and personal observations of JPL employee Kevin Grazier as told by him. Produced for the Daily Planet and the JPL home page.
Audience: Gen.
Client: Watanabe
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/23/2005 - 0:03:04 Producer: Semerano

AVC-2005-082-1/1 **Mars on Earth 3 - Sedan Crater in Area 10 Nevada**
Dr. Jim Garvin, NASA's lead Scientist for Mars Exploration and the Moon, explores the Sedan Crater, an impact crater made by a nuclear blast, at Area 10 in the Nevada Test Site.
Audience: Gen.
Client: M. Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/15/2005 - 0:08:30 Producer: C.B.D. Beck

AVC-2005-089-1/1 **Mars Time - The Year that was 2004 ... and the Decade to Come.**
Highlights the accomplishments of the Mars Program Mission in 2004 (Mars Exploration Rovers, Mars Odyssey, Mars Global Surveyor, and Mars Express) and the missions to come (Mars Reconnaissance Orbiter, Phoenix Lander,Mars Telecommunications Orbiter, and Mars Science Laboratory)
Audience: Gen. Edu.
Client: M.Viotti, Org. 1861
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/01/2005 - 0:12:03 Producer: Beck/Passaniti

AVC-2005-091-1/1 **New NASA Administrator Addresses Employees**
NASA's 11th Administrator Michael Griffin takes office the same day the Expedition 11 crew is set to begin its journey to the International Space Station. He answered questions from NASA employees during his first NASA Update.
Audience: Gen. NASA News Site: NASA HQ
Client: Blaine Baggett, Org. 1800
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
04/14/2005 - 0:29:53 Producer: NASA HQ (Borst)

AVC-2005-092-1/1 **NASA's Spitzer Telescope Sees Signs of Alien Asteroid Belt- Video File**
NASA's Spitzer Telescope may have spotted the dusty spray of an asteroid belt that orbits a star like our Sun. The discovery offers astronomers a glimpse of a distant star

systems that resembles our own, and may represent a significant step toward knowing if and where other earths form.
Audience: News Resource
Client: Gay Yee Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/15/2005 - 0:05:07 Producer: Ford

AVC-2005-093-1/1 **Deep Impact/Delta II Science Briefing**
Moderator: Jessica Rye-Public Affairs - NASA HQ
Andy Dantzler, Dir. Solar System Div.- NASA HQ
Dr. Mike A. Hearn, Deep Impact Prin. Invest.- Univ. of Maryland
Dr. Jay Melosh, Co-Invest.- Univ. Arizona
Dr. Lucy McFadden, Co-Invest.- Univ. of Maryland
Audience: News Site: NASA HQ
Client: NASA HQ
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
01/11/2005 - 1:30:00 Producer: NASA HQ

AVC-2005-095-1/1 **NASA HQ News Briefing with Admin. Michael Griffin**
During Admin. Griffin's first news conf., he gave a brief opening statement and then responded to inquiries on a wide variety of topics. Including the Shuttle Return to Flight, his priorities as NASA administrator, planned personal and organizational changes, cancellations of certain programs, reductions in force at various NASA centers, the CEV procurement, NASA Roadmapping activities, the economic feasibility of a manned Mars mission, the future Hubble Servicing Mission and working with the Russian Space Agency, among others.
Audience: News Site: NASA HQ
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/18/2005 - 0:45:00 Producer: NASA TV

AVC-2005-096-1/1 **The Challenges of Getting to Mars: Heavy Lifting**
Documentary footage, interviews and music give an overview of the challenges of launching the Mars Reconnaissance Orbiter. Features interviews with Howard Eisen, Richard Zurek, Randy Walker, Arden Acord, and Laryssa Densmore.
Audience: Gen. Site: JPL
Client: Michelle Viotti

Master: DVCProHD Submaster: D-BCAM
Audio 1: Mono mix 2: Mono mix
04/15/2005 - 0:03:27 Producer: Hulme

AVC-2005-099-1/1 **von Kármán Lecture Series-GALEX:A New Window on the Evolving Universe**

The Galaxy Evolution Explorer (GALEX), an orbiting telescope, is a NASA Explorer mission surveying the sky in the ultraviolet. GALEX Principal Investigator Dr. Christopher Martin presents an overview of the GALEX Mission on the eve of the mission's 2nd anniversary of launch.
Audience: Gen. Edu. JPL Site: von Kármán Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/21/2005 - 1:15:30 Producer: Savona

AVC-2005-100-1/1 **Movie Clips Show Whirlwinds Carrying Dust on Mars - Video File MER**

The Mars Exploration Rover "Spirit" has captured images of two dust devils on Mars, the first recording of anything in motion on another planet. The first dust devil was recorded April 15, 2005; the second on April 18. Each movie repeats 3 times.
Audience: News Resource
Client: Webster, Org. Web
Master: DVCPro50
Audio 1: MOS 2: MOS
04/22/2005 - 0:01:58 Producer: Kline

AVC-2005-101-1/1 **Cassini Captures New Views of Titan - Video File**
Three new views of Saturn's moon Titan from the Cassini spacecraft's closest flyby on April 16 illustrate how different the same place can look in different wavelengths of light. Also included: animation of Cassini spacecraft in orbit around Saturn.
Audience: News
Client: Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/22/2005 - 0:02:57 Producer: Kline

AVC-2005-102-1/1 **Galaxy Evolution Explorer 2nd Anniversary Web Video - Galex**
Mark Seibert explains the goals and accomplishments of the Galaxy Evolution Explorer (GALEX) mission during the 2 years since its launch. Included are an animation of the mission

and stills made by GALEX that reveal how much can be seen by viewing objects in ultraviolet light.
Audience: News Resource
Client: Gay Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/27/2005 - 0:02:10 Producer: Kline

AVC-2005-103-1/1 **Mars Rover Panorama Shows Vista from "Lookout" Point - Video File**
NASA's Mars Exploration Rover Spirit spent weeks climbing to a ridgeline vantage point called "Larry's Lookout." Included are an approximately-natural color pan made from 300 images and an interview with Dr. Tim Parker, Mars Exploration Rover Science Team Member.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/28/2005 - 0:05:08 Producer: Kline

AVC-2005-104-1/1 **Rover's Whirlwind Movies Show Action on Mars - Video File**
NASA's Mars Exploration Rover Spirit provided images of whirlwinds, or "dust devils," on Mars that are combined into movies showing several dust devils active at one time. Interview excerpts feature Dr. Mark Lemmon, Mars Exploration Rover science team member, Texas A&M University.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/03/2005 - 0:07:06 Producer: Kline

AVC-2005-105-1/1 **Hats Off to Space Day from NASA's Spitzer Space Telescope - VideoFile**
An animated pan reveals the difference in appearance of the Sombrero Galaxy in visible light and infrared light, using images from the Hubble Space Telescope and the Spitzer Space Telescope. Animation of the Spitzer Telescope is also included.
Audience: News
Client: Hill
Master: DVCPro50
Audio 1: MOS 2: MOS
05/04/2005 - 0:03:09 Producer: Kline

AVC-2005-106-1/1 **Mars Dust Devils in Action - Web Video**
Dr. Mark Lemmon, atmospheric scientist for the Mars

Exploration Rover science team, describes movies of dust devils on Mars.
Audience: Gen.
Client: Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/05/2005 - 0:02:49 Producer: Kline

AVC-2005-107-1/1 **Rover Team Tests Mars Moves on Earth - Video File**
Engineers and scientists simulated on Earth the soft sand of a small dune on Mars where NASA's rover Opportunity dug itself to wheel-hub depth the first week of May, 2005. They combined materials to mimic in the test lab the soft sand that sticks to the rover wheels on Mars.
Audience: News Resource
Client: Webster
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/06/2005 - 0:05:48 Producer: Kline

AVC-2005-108-1/1 **Cassini Finds New Saturn Moon That Makes Waves - Video File**
The Cassini spacecraft has discovered a new moon of Saturn, provisionally named S/2005 S1, which is seen in a series of time-lapse images taken May 1, 2005. Interview comments by Dr. Torrence Johnson, Cassini imaging team member/JPL. Also stills of the moon and animation of the spacecraft at Saturn
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/10/2005 - 0:05:21 Producer: Kline

AVC-2005-110-1/1 **Deep Space Network - Communicating Through Space (Revised Version)**
Begins with a brief on-camera intro of mission control by engineer, Dave Linick; followed by an overview of the Deep Space Network (DSN) as told by members of the DSN. For use in the Space Flight Operations Facility visitors gallery.
Audience: Gen. Site: JPL
Client: Shirley Wolff
Master: DVCPro25 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/12/2005 - 0:04:16 Producer: Savona

AVC-2005-111-1/1 **NASA Administrator Michael Griffin Testimony to Senate Subcommittee**

Session of the Senate Appropriations Subcommittee Hearing on Justice, Commerce and Science. Administrator Michael Griffin gave an overview of NASA's FY 2006 budget, as well as specific program funding.
Audience: NASA Site: U.S. Senate
Client: Blaine Baggett, Org. 1800
Master: DVD Closed Caption
Audio 1: Mono mix 2: Mono mix
Note: missing first 3 minutes
05/12/2005 - 1:26:00 Producer: NASA HQ (Bridges)

AVC-2005-112-1/1 **SIM PlanetQuest: A Few Words with NASA Scientists**
Members of the SIM PlanetQuest team tell the story of SIM and what it will be able to do.
Identical to AVC-2003-069, but with new title to reflect change in mission name.
Audience: Gen.
Client: Randy Jackson
Master: DVCPro50
Audio 1: Stereo 2: Stereo AVC-2003-069
05/11/2005 - 0:04:15 Producer: Kline

AVC-2005-114-1/1 **NASA's CloudSat Spacecraft Arrives at Launch Site- Video File**
A NASA spacecraft designed to reveal the inner secrets of Earth's clouds arrived at Vandenburg Air Force Base, Calif., to begin final preparations for launch later this year.
Audience: News Resource
Client: Buis
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix / 2: Mono mix
05/16/2005 - 0:07:55 Producer: Ford

AVC-2005-115-1/1 **LA's "Big Squeeze" Continues, Straining Earthquake Faults- VF**
New NASA research confirms that Northern metropolitan L.A. is being squeezed at a rate of 0.2 inches a year. NASA researcher set out to distinguish motion induced by human activity and those generated by movements of Earth's tectonic plates.
Audience: News Resource
Client: Buis
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/17/2005 - 0:06:53 Producer: Ford

AVC-2005-117-1/1 **von Kármán Lecture: Spirit and Opportunity: Field Geology on Mars**

Presented by Dr. Joy Crisp, JPL Mars Exploration Rover Project Scientist
The twin rovers-Spirit and Opportunity have been investigating two different landing sites, discovering the past geologic activity on Mars. Dr. Crisp summarized the most important findings.
Audience: Gen. Site: von Kármán Aud
Client: Public Services, Org. 1840
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/19/2005 - 1:20:05 Producer: Hardine

AVC-2005-119-1/1 **MER's Opportunity Struggles; Spirit Clues in on Past - Video File**
NASA's Mars Rover Opportunity has been making inch-by inch progress at getting out of a sand dune where it has been for more than three weeks, while its twin, Spirit, has been busy finding new clues to a wet and violent past on Mars.
Includes: real image animation and interview.
Audience: News Resource Site: JPL
Client: NASA TV/Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/23/2005 - 0:03:44 Producer: Savona

AVC-2005-120-1/1 **NASA/JPL 7th Annual Small Business Round Table Conference**
Moderator: Art Duran, Business Opportunity Office
NASA Welcome: Doe Huff, NASA Management Office, JPL
SBA Welcome: Leonard Manzanares, Small Business Admin.
JPL Welcome: Tom May, Business Opportunities Office
Panelists: Jonnie Jones, Lockheed Martin Information Tech, Dale Balock, ITT Industries, Mike Olsen, Computer Sciences Corp., Tom Soderstrom, Raytheon Technical Services, Dan Zormeir, Northrop Grumman IT
NASA Headquarters OSDBU Overview: Lamont Hames, Chief of Staff/Program Manager for Science, NASA Office of Small and Disadvantaged Business Utilization (OSDBU)
Audience: Gen. Tech. Site: von Kármán Aud
Client: Art Duran
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/24/2005 - 2:37:30 Producer: Hardine

AVC-2005-122-1/1 **NASA Administrator Mike Griffin Chats with the Media at JPL**
Newly appointed NASA Administrator Mike Griffin fields questions from media.
Audience: News Resource Site: von Kármán Aud

Client: Directors Office, Org. 1000
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/25/2005 - 0:29:46 Producer: Savona

AVC-2005-124-1/1 **Spitzer Captures Fruits of Massive Stars' Labors - Video File**
A new image from NASA's Spitzer Space Telescope illustrates how monstrous stars spawned a diverse community of stars. The striking picture reveals an eclectic mix of embryonic stars living in the area of one of the most massive stars-Eta Carinae
Includes: 22 seconds of Spitzer animation
Audience: News Resource Site: JPL
Client: NASA TV/Hill
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Silent 2: Silent
05/27/2005 - 0:02:52 Producer: Savona

AVC-2005-125-1/1 **NASA's Space Eyes Hone in on Deep Impact Target - Video File**
On the Fourth of July (Easter Time), NASA's Deep Impact Spacecraft attempts an extraordinarily daring encounter with comet Tempel 1. NASA's Spitzer Space Telescope and Hubble Space Telescope came up with the best estimates of the comet's size, shape, etc., to help hit its target.
Audience: News Resource Site: JPL
Client: NASA TV/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
06/01/2005 - 0:02:57 Producer: Savona

AVC-2005-126-1/1 **NASA S/C Measures Unusual 2005 Arctic Ozone Conditions - VidFile**
AURA

Despite near-record levels of chemical ozone destruction in the Arctic this winter, observations from NASA's Aura spacecraft show other atmospheric processes restored ozone amounts to near average and stopped high levels of harmful ultraviolet radiation from reaching Earth's surface. Two of Aura's four instruments - the Microwave Limb Sounder and the Ozone Monitoring Instrument - contributed to the analysis. Animation illustrates the interaction between temperatures and various chemicals involved in ozone destruction during the 2004-2005 Arctic winter, created from data from Aura's Microwave Limb Sounder. Red is high; blue/purple is low. Maps from the same instrument depict changes in concentrations of hydrogen chloride, chlorine monoxide and ozone for selected days during that winter.

Imagery from Aura's Ozone Monitoring Instrument depicts monthly average levels of ozone over the Arctic in January and March 2005.
Animation of the Aura spacecraft.
Video of NASA's Polar Aura Validation Experiment, an airborne laboratory carried aboard a NASA DC-8 aircraft. The experiment flew underneath Aura as it passed over the Arctic polar vortex during flights in January and February 2005, providing independent confirmation of Arctic ozone data obtained by Aura.
Interview excerpts: Dr. Gloria Manney, senior research scientist, JPL.
For more info: http://aura.gsfc.NASA.gov/
Audience: JPL NASA News
Client: Buis
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/02/2005 - 0:08:21 Producer: Ford/Kline

AVC-2005-129-1/1 **NASA's Day of the Comet - Deep Impact Video File**
NASA's Deep Impact spacecraft will get up-close-and-personal with comet Tempel 1 on July 4. Included: interview with Rick Grammier, animations of the mission, testing, assembly, how to find the comet in the night sky, mission support area during encounter simulation.
Audience: News Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/06/2005 - 0:10:18 Producer: Kline

AVC-2005-130-1/1 **Opportunity Rover on the Move Again - Video File**
The Mars rover Opportunity is now free from a Martian sand dune after nearly 5 week of work by engineers at NASA's Jet Propulsion Laboratory. Included: movie of "drive-away" from front & rear hazard avoidance cameras and movies of individual rover wheels during pre-escape maneuvering.
Audience: News Resource
Client: Godwin
Master: DVCPro50
Audio 1: MOS 2: MOS
06/06/2005 - 0:04:09 Producer: Kline

AVC-2005-131-1/1 **Spitzer Captures Echo of Dead Star's Rumblings Video File & Web Video**
NASA's Spitzer Space Telescope, using its infrared eyes, has

spotted an enormous light echo etched in the sky by the dead star Cassiopeia A. As recently as 50 years ago, Cassiopeia A shot out at least one burst of energy. Includes: images/animation, interview and 45 sec., narrated web video
Audience: News Resource Site: JPL
Client: NASA TV/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/08/2005 - 0:05:40 Producer: Savona

AVC-2005-132-1/1 **Scientists Discover Possible Titan Volcano- Video File/Web Feature**
A recent flyby of Saturn's hazy moon Titan by the Cassini spacecraft has revealed evidence of a possible volcano which could be a source of methane in Titan's atmosphere. Infrared images show a circular feature roughly 19 miles in diameter with overlapping layers of materials from series of flows. Scientist's interpret the feature as an "icy volcano", a dome feature of upwelling plumes that release methane into Titan's atmosphere.
Interviews: Dr. Bonnie Buratti, JPL Scientist.
1:03 Web feature follows the video file.
Audience: News Resource
Client: Martinez
Master: DVCPro25 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
1:03 Web feature follows the video file.
06/08/2005 - 0:08:07 Producer: Ford/Savona

AVC-2005-133-1/1 **Dr. Ed Stone Lecture - Voyager 1**
VTV-1059 "Voyager 1" Dr. Stone discusses Voyager 1 which has entered the final lap on its race to the edge of interstellar space as it has crossed the elusive termination shock and has begun exploring the solar system's final frontier.
Audience: Gen. Site: von Kármán Aud.
Client: Andrea Angrum
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/09/2005 - 0:48:11 Producer: Hardine

AVC-2005-134-1/1 **Deep Impact News Conference**
Participants:
Delores Beasley, Moderator, HQ;
Andrew Dantzler, Solar System Division Director, HQ;
Rick Grammier, Project Manager, JPL;
Michael A'Hearn, Principal Investigator, JPL;

Don Yeomans, Co-Investigator, JPL.
Audience: JPL News Resource Site: NASA HQ
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/09/2005 - 0:44:00 Producer: HQ

AVC-2005-137-1/1 **von Kármán Lecture Series- "A Bipolar Year: ..."**
"A Bipolar Year: What We Can Learn About Looking for Life on Other Planets By Working in Cold Deserts"
Presented by Dr. Pamela Conrad, JPL Research Scientist.
In the space of one year we have been to the Arctic and the Antarctic, using our life-detection instruments to measure the evidence of life that lives in rock. We've learned lots about how life operates in these environments, what evidence it leaves behind, and how our instruments perform in cold, dry environments. Forget those diet plans - try the extreme environment astrobiology plan and become both leaner and even more curious about life at both the top and the bottom of the world!
Audience: Gen. Site: von Kármán Aud.
Client: Public Services, Org. 183
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/16/2005 - 0:58:00 Producer: Hardine

AVC-2005-138-1/1 **Live for the Moment Strategy - Deep Impact**
Dave Spencer, Mission Manager for Deep Impact, talks about the sequence of events in last 24 hours before the spacecraft's impactor encounters Comet Tempel 1.
Audience: Gen. Site: JPL
Client: Blaine Baggett
Master: BCAMsp
Audio 1: Stereo 2: Stereo
06/19/2005 - 0:03:56 Producer: Semerano

AVC-2005-142-1/1 **A Comet Impact Simulation - Deep Impact**
Dr. Peter Schultz of Brown University demonstrates how craters simulated in a laboratory on Earth may help tell us what comets are made of when compared to information the Deep Impact Mission is expected to gather when in encounters Comet Tempel 1.
Audience: Gen. JPL Resource Site: JPL
Client: Agle
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix

06/29/2005 - 0:02:55 Producer: Semerano

AVC-2005-143-1/1 **Mars Express Radar Ready to Work - Video File**
Mars Advanced Radar for Subsurface and Ionosphere Sounding(MARSIS),aboard ESA's Mars Express Orbiter, the first radar instrument for looking below the surface of Mars has been checked and deployed, and is ready to start looking for underground layers holding ice or water. MARSIS is funded by NASA/ASI.
Audience: Gen. News Resource
Client: Webster
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/24/2005 - 0:08:09 Producer: Ford

AVC-2005-144-1/1 **NASA Spacecraft Preps for Fireworks - Video File - Deep Impact**
Deep Impact is scheduled to impact Comet Tempel 1 on July 4. Included: animations of mission highlights, trajectory plot, evolution of a comet, interview with Rick Grammier, testing, assembly, mission support area during encounter simulation.
Audience: Gen. News
Client: NASA TV/Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/01/2005 - 0:11:11 Producer: Ford/Kline

AVC-2005-145-1/1 **Deep Impact Pre-Impact Mission Engineering Briefing, 7/1/05, 10AM**
Intro: Natalie Goodwin, Media Relations, Rep.
Participants:
Lindley Johnson, Project Executive, NASA HQ;
Rick Grammier, Deep Impact Project Manager, JPL;
Monte Henderson, Ball Deep Impact Program Manager, Ball Aerospace & Technology Corp.;
Dave Spencer, Deep Impact Mission Manager, JPL; Jennifer Rocca, Systems Engineer, JPL.
Audience: News Site: von Kármán Aud
Client: MRO, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/01/2005 - 0:46:50 Producer: Savona

AVC-2005-148-1/1 **Deep Impact Pre-Impact Briefing, 7/3/05, 11AM**
Intro: Natalie Godwin, Media Relations Rep.
Panelists: Andy Dantzler-Director, Solar System Division, NASA HQ.;
Rick Grammier-Deep Impact Manager, JPL;

Dr. Mike A'Hearn-Principal Investigator, University of Maryland;
Jennifer Rocca-Deep Impact Systems Engineer, JPL.
Audience: News Resource Site: von Kármán Aud
Client: Media Relations, Org. 1810
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
07/03/2005 - 0:59:40 Producer: Savona

AVC-2005-149-1/2 **Deep Impact Commentary, 7/3/05, 8:30PM Pacific Time**
Commentator Gay Yee Hill, JPL Media Relations Interviews with Mike A'Hearn-Principal Investigator, University of Maryland
Dave Spencer-Mission Operations Manager
David Southwood
Rick Grammier-Deep Impact Project Manager
Chris Jones-Director of Planetary Flight Projects
Don Yeomans-Co-Investigator, JPL
Al Diaz-NASA Associate Administrator Science Mission Directorate
Dr. Elachi.-Director, JPL
Audience: Gen. News Resource Site: BLDG. 230/ MSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
07/03/2005 - 3:01:09 Producer: Savona

AVC-2005-149-2/2 **Deep Impact Commentary, 7/3/05, 8:30PM Pacific Time**
Commentator Gay Yee Hill. Images shown and final wrap-up interview with Don Yeomans, Co-Investigator-JPL.
Audience: Gen. News Resource Site: BLDG. 230/ MSA
Client: Media Relations, Org. 1810
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
07/03/2005 - 0:13:29 Producer: Savona

AVC-2005-150-1/1 **Deep Impact Hits Its Target - Video File**
NASA's Deep Impact spacecraft flawlessly completed its mission to comet Tempel 1 as its impactor spacecraft hit the comet exactly as planned while the flyby spacecraft imaged the event. Includes point-of-view movie from the impactor on its way to the comet's nucleus and reaction from the mission team.
Audience: News Resource
Client: NASA TV/Agle
Master: DVCPro50

Audio 1: Mono mix 2: Mono mix
07/04/2005 - 0:04:36 Producer: Kline

AVC-2005-151-1/1 **Deep Impact Post-Impact Briefing, 7/4/05, 1AM**
Moderator Veronica McGregor. Panelists Andy Dantzler, Rick Grammier, Keyur Patel, and Mike A'Hearn.
Audience: News Resource
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/04/2005 - 0:35:00 Producer: Savona

AVC-2005-152-1/1 **Deep Impact Briefing, 7/4/05, 11AM**
Moderator: Natalie Godwin.
Panelists: Andy Dantzler, Rick Grammier, Shyam Bhaskaran, Mike A'Hearn and Pete Shultz.
Audience: News Resource
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/04/2005 - 0:53:21

AVC-2005-153-1/1 **NASA's Deep Impact Generates Spectacular Photo Flash - Video File**
The impactor of NASA's Deep Space mission generated an immense flash of light when it hit comet Tempel 1 on July 4, 2005. Includes: movies of impactor's final moments, impact as seen by the flyby spacecraft and the Hubble Space Telescope and the JPL control room at the moment of success.
Audience: News Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/04/2005 - 0:04:02 Producer: Kline

AVC-2005-155-1/1 **Deep Impact's Success Celebrated by The Comets**
Five original members of the pioneering band Bill Haley and the Comets paid tribute to the Deep Impact team and the entire JPL staff with a noon celebratory concert at the lab on July 5, 2005. Also included: "Rock Around the Clock" video.
DO NOT RELEASE MUSIC VIDEO AFTER JULY 10, 2005
Audience: Gen. News Resource
Client: Baggett
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/05/2005 - 0:06:42 Producer: Kline

AVC-2005-156-1/1 **NASA Science Update - Breakthrough Discoveries on Sea Level Change**
Panelists:
--Dr. Waleed Abdalati, Head, Cryospheric Sciences Branch, NASA's Goddard Space Flight Center, Greenbelt, Md.
--Dr. Steve Nerem, Associate Director, Colorado Center for Astrodynamics Research, University of Colorado, Boulder, Colo.
--Dr. Eric Rignot, research scientist for the Radar Science and Engineering Section, NASA's Jet Propulsion Laboratory, Pasadena, Calif.
--Dr. Laury Miller, Chief, Satellite Altimetry Laboratory, NOAA, Washington
--Dr. Richard Alley, Evan Pugh Professor, Department of Geosciences and EMS Environment Institute, Pennsylvania State University, State College, Pa.
Audience: News Resource Site: NASA HQ
Client: Veronica McGregor, Org. 1870
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
07/07/2005 - 0:42:53 Producer: NASA HQ

AVC-2005-159-1/1 **Cassini Images Saturn's Moon Hyperion - Video File**
The Cassini spacecraft views Saturn's moon Hyperion offering the best look yet at one of the icy, irregularly-shaped moons that orbit the giant, ringed planet.
Audience: News Resource
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
07/11/2005 - 0:02:49 Producer: Savona

AVC-2005-160-1/1 **NASA Scientist Finds World with Triple Sunsets - Video File**
NASA-funded astronomer Dr. Maciej Konacki (MATCH-ee Konn-ATZ-kee) has discovered a Jupiter-sized planet in a trinary (3-stars) system. Animations: orbits and imaginary triple sunset. Interview with Dr. Konacki.
Audience: News Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/12/2005 - 0:04:48 Producer: Kline

AVC-2005-161-1/1 **NASA Scientist Finds World with Triple Sunsets - Web Video**
NASA-funded astronomer Dr. Maciej Konacki (MATCH-ee Konn-ATZ-kee) narrates his discovery of a Jupiter-sized

planet in a trinary (3-stars) system. Supporting animations: orbits and imaginary triple sunset.
Audience: Gen. Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/12/2005 - 0:01:30 Producer: Kline

AVC-2005-162-1/1 **NASA's New Mars Orbiter Will Sharpen Vision of Exploration VF MRO**

NASA's next mission to Mars is the Mars Reconnaissance Orbiter. Animation of the mission (long & short versions). Interview with Dr. Richard Zurek, MRO Project Scientist, JPL. Animation showing MRO instruments. B-roll of work on the Spacecraft at Kennedy Space Center, Fla.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/18/2005 - 0:11:49 Producer: Kline

AVC-2005-164-1/1 **Mars Reconnaissance Orbiter Briefing from NASA HQ**

Discussion of the upcoming launch of JPL's Mars Reconnaissance Orbiter. Launch opportunities for MRO will begin August 10, 2005. The mission will examine the mysterious red planet in unprecedented detail.
Participants:
James Graf, MRO Proj. Manager, JPL;
Richard Zurek, MRO Project Scientist, JPL;
Douglas McCuistion, NASA Mars Exploration Program Director, Science Mission Directorate;
Michael Meyer, Mars Exploration Program Chief Scientist, Science Mission Directorate-NASA.
Audience: News Resource Site: NASA HQ
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/21/2005 - 0:41:20 Producer: NASA HG (Borst)

AVC-2005-166-1/1 **Deep Impact: Cratering a Comet to Release our Past**

von Kármán Lecture Series -
Presented by Dr. Don Yeomans, Manager of the Near Earth Object Program Office
Comets are time capsules that hold clues to the formation of the solar system. The Deep Impact mission will probe beneath the surface of Comet Tempel 1 and for the first time, give

us a look at the frozen secrets in its interior. In July of 2005, a flyby observing spacecraft will release a second impactor spacecraft into the path of the comet. The resulting crater from this impact could be as large as a football coliseum. Scientists look forward to recording data on both the ice and dust debris ejected from the comet as well as the way in which the crater forms. Observation from the impactor, the flyby spacecraft and telescopes on Earth will be sent to the science team in near real time and combined to answer questions about the structure of comets and our solar system's past.
Audience: Gen. Site: von Kármán Aud
Client: Public Services, Org. 1840
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
07/21/2005 - 1:24:00 Producer: Hardine

AVC-2005-167-1/1 **Cassini Finds Recent, Unusual Geology on Enceladus - Video File**
New detailed images taken by NASA's Cassini spacecraft of the south polar region of Saturn's moon Enceladus. Objects as small as 4 meters are detectable. Interview with Dr. Torrence Johnson, Cassini imaging team member. Animation of Cassini spacecraft in orbit around Saturn.
Audience: News Resource
Client: Martinez, Org. 187
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/25/2005 - 0:05:55 Producer: Kline

AVC-2005-170-1/1 **NASA-funded Planetary Scientists Discover Tenth Planet -Video File/Web**
A new planet, as large as or larger than Pluto, has been discovered in the outlying regions of our solar system. Interview with Dr. Mike Brown of Caltech. Series of stills used in the discovery. Artist's concept of the new planet. (5:01, followed by 10-sec black, then 1:44 web video)
Audience: News
Client: Platt
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/29/2005 - 0:06:55 Producer: Kline

AVC-2005-171-1/1 **Mars Reconnaissance Orbiter Highlights II**
Highlights of the Mars Reconnaissance Orbiter (MRO) being transported from Lockheed Martin Space Science Facility to Cape Canaveral and reassembled in the Payload Hazardous

Servicing Facility at Kennedy Space Center.
Audience: News Resource
Client: Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/29/2005 - 0:18:47 Producer: Passaniti

AVC-2005-172-1/1 **Imagine Mars Webcast: Neighborhood Networks Get Involved**
Moderator: Stephanie Lievense, JPL's Imagine Mars Team Leader
Neighborhood Networks are technology centers within Housing and Urban Development housing complexes. They provide residents with computer access, training and educational programming.
Participants: These two volunteered to help the students complete their projects. Kobie Boykins, Mechanical Engineer/JPL, Geoff Lake, Engineering student/Univ. Colorado at Boulder. Josh, Freddie, Destiny/students from a local Neighborhood Network who helped build community Silver Rockets and build Life on Mars.
Audience: Edu. Site: JPL TV Studio
Client: Stephanie Lievense
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/04/2005 - 0:47:00 Producer: Hardine

AVC-2005-173-1/1 **Cassini Flies By Saturn's Tortured Moon Mimas - Video File**
The Aug. 2 flyby of Saturn's moon Mimas, possibly the most heavily-created in the Saturn system, returned images of the 87-mile-diameter Herschel crater, Mimas' most distinctive feature. Included are stills, a movie made from images taken during the flyby and animation of the Cassini spacecraft.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
08/05/2005 - 0:03:13 Producer: Kline

AVC-2005-174-1/1 **Mars Reconnaissance Orbiter (MRO) Mission Briefing**
Moderated by George Diller. Panelists:
Doug McCuistion
Chuck Dovale
Mike Jensen
Jim Graf
Clay Flinn

Audience: News Resource Site: NASA-TV
Client: MRO
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/08/2005 - 0:38:00 Producer: KSC

AVC-2005-175-1/1 **Mars Reconnaissance Orbiter (MRO) Science Briefing**
Moderator: George Diller-NASA Public Affairs
Panelists: Michael Meyer, Richard Zurek, Alfred McEwen, Scott Murchie, Enrico Flamini
Audience: News Resource Site: NASA-TV
Client: MRO
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/08/2005 - 0:36:30 Producer: KSC

AVC-2005-177-1/1 **Mars Reconnaissance Orbiter (MRO) Post Launch Press Conference**
Moderator: George Diller - NASA Public Affairs
Panelists:
Orlando Figueroa - NASA Deputy Associate Administrator, Science Mission Directorate;
Jim Graf - MRO Project Manager, JPL;
Howard Eisen - MRO Flight Systems Manager, JPL;
Keven Mc Neill - MRO Program Manager/Lockheed Martin Space Systems.
Audience: News Resource Site: KSC
Client: Veronica McGregor
Master: DVCPro25 Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/12/2005 - 0:36:54 Producer: KSC (Hanchett)

AVC-2005-179-1/1 **Mars Reconnaissance Orbiter (MRO) Launch Coverage**
Includes multi camera angles of MRO atop the Atlas V-401 rocket on launch pad 41 at Cape Canaveral.
Lift-off, mission control, and various animations are also included.
Audience: Gen. News Resource Site: KSC
Client: Media Relations, Org. 187
Master: BCAMsp Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/12/1905 - 1:30:00 Producer: KSC

AVC-2005-181-1/1 **Technology of Tomorrow Today: An Overview of Space Technology Spin-Off**
von Kármán Lecture Series -
Introduction by: Mark Razze of Public Services Office at JPL

he next time you pick up a cordless tool or look up at your satellite dish, will you think of NASA? Perhaps not, but chances are that you are enjoying one of the many benefits of technologies developed as a result of space exploration. Infrared sensors designed to remotely measure the temperature of planets and stars are being used for early detection of breast cancer and for measuring body temperature. JPL's Global Positioning System (GPS) software and receiver technologies are used in monitoring millimeter-level tectonic plate motion and large-scale tracking of airplanes. This talk focused on the brilliant innovations of JPL technologists that have improved the quality of our lives and in some cases changed them greatly.
Audience: Gen. Site: von Kármán Aud
Client: Public Services, Org. 1840
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/18/2005 - 1:00:01 Producer: Hardine

AVC-2005-182-1/1 **NASA/NOAA Announce Major Weather Forecasting Advancement - Video File**

3-D weather forecasting data provided by the AIRS instrument has been incorporated into the National Weather Services forecasting models and has improved the accuracy of medium-range weather in the Northern Hemisphere by four percent. This type of improvement typically takes years to achieve.
Audience: News Resource
Client: Buis, Org. 187
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/23/2005 - 0:06:38 Producer: Ford

AVC-2005-184-1/1 **Spitzer's Second Year Anniversary - Web Production**

Celebrates Spitzer's second year anniversary with key remarks from Vikki Meadows and Thomas Soifer.
The Space Infrared Telescope Facility was launched on-board a Delta-2 rocket on August 25, 2003 to detect planetary bodies orbiting stars by imaging through dust in the infrared wavelength.
Audience: Gen.
Client: Gay Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/25/2005 - 0:02:57 Producer: Gary Savona

AVC-2005-187-1/1 **Summit Climb on Mars Yields New Views from NASA's Durable Spirit - VF**

NASA's Mars Exploration Rover Spirit has climbed to the top of a range of hills that appeared impossibly distant from the rover's landing site. Included: pan of view from top of hills; interview with Chris Leger ("le-ZHAY"), Rover Planner, JPL; animation demos of visualization software.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/31/2005 - 0:08:17 Producer: Kline

AVC-2005-188-1/1 **Mars Exploration Rover (MER) "Spirit" News Briefing**
Participants: Douglas McCuistion- NASA MER Prog. Dir., Science Mission Directorate, Washington, DC
Chris Leger-Rover Planner, JPL
Jacob Matijevic-MER Engineering Team Chief, JPL
Dr. Steve Squyres-PI MER Science Payload, Cornell
Ray Arvidson-Dep. PI MER, Washington Univ.
Audience: News Resource Site: NASA HQ
Client: Veronica McGregor, Org. 1810
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/01/2005 - 0:58:44 Producer: NASA HQ (Borst)

AVC-2005-189-1/1 **Cassini Shows Saturn Rings in New Detail - Video File**
Cassini scientists studying Saturn's rings have detected several new findings that further our knowledge of how this system continues to evolve.
Audience: NASA Site: JPL
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
09/02/2005 - 0:03:51 Producer: Doherty

AVC-2005-192-1/1 **Cassini Radar Images Show Dramatic Shoreline on Titan - Video File**
Images returned during Cassini's recent flyby of Titan show evidence for a large shoreline cutting across the southern hemisphere. Hints that the area was once or is currently wet are evident.
Audience: News Resource
Client: Martinez, Org. 187
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/13/2005 - 0:03:13 Producer: Doherty

AVC-2005-193-1/1 **Light Through Clouds: CloudSat & CALIPSO - Video File**
Engineers and scientists designed CloudSat and CALIPSO to deliver the data needed by scientists to provide a new understanding of how clouds and aerosols affect the weather and climate.
TRT - 46:00 (Telestreamed from Goddard)
Video File - 16:00; Resource footage - 30:00
Audience: News Resource
Client: NASA TV/Buis, Org. 187
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Co-produced with Goddard Space Flight Center
09/14/2005 - 0:16:00 Producer: Savona & GSFC

AVC-2005-195-1/1 **CloudSat Pre-Launch Press Briefing**
Pre-launch press briefing from NASA HQ. Panelists include Dr. Steve Volz, NASA CloudSat-CALIPSO program exec.; Dr. Don Anderson, NASA CloudSat-Calipso Program Scientist; Dr. David Winker, Calipso Principle Investigator; Dr. Graeme Stephens, CloudSat Principle Investigator.
Audience: News Resource Site: HQ
Client: Media Relation
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/15/2005 - 0:45:20 Producer: NASA HQ (Hanchett)

AVC-2005-196-1/1 **von Kármán Lecture Series- "Exploring Mars"**
Presented by Daniel McCleese
JPL, Chief Scientist, Mars Exploration Program.
In less than a decade, six robotic spacecraft, one lander, two rovers, and three orbiters have explored the atmosphere, surface, and interior of the planet Mars. Among the highlights of over 40 years of Mars exploration are the Mars Exploration Rovers, conducting extremely successful investigations of sites postulated to have been covered by liquid water long ago. Spirit and Opportunity have returned data that point to a past very different from the cold, arid Martian landscape that we see today. Building upon these and earlier findings, NASA is returning to the planet with the recently launched Mars Reconnaissance Orbiter. In 2007, a lander will examine subsurface ice in the northern polar region, and in 2009 a large rover carrying a payload of laboratory instruments will search for ancient habitable environments. This lecture focuses on our emerging understanding of Mars and NASA strategies for future

exploration.
Audience: Gen. Site: von Kármán Aud
Client: PSO, Org. 184
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/15/1905 - 1:17:00 Producer: Hardine

AVC-2005-197-1/1 **NASA's Results of The Exploration Systems Architecture Study Conf.**
NASA Administrator Mike Griffin discusses the results of the agency's Exploration Systems Architecture Study. On Jan. 14, 2004, President Bush set a bold Vision for Space Exploration that instructed NASA to return the space shuttle to safe flight, complete the International Space Station, and develop a next-generation spacecraft to return to the moon and eventually to Mars.
The study commissioned by the administrator is the blueprint from which NASA will build future spacecraft & launch vehicles to meet the goals & objectives outlined by the President.
Audience: News Resource Site: NASA HQ
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/19/2005 - 1:05:00 Producer: NASA HQ (Hanchett)

AVC-2005-198-1/1 **NASA's Mars Global Surveyor Helps Track Changes on Mars - Video File**

New gullies have appeared on a sand dune on Mars since 2002. Boulders tumbling down a hill on Mars left tracks not there two years ago. These discoveries and more have resulted from the long life of NASA's Mars Global Surveyor (MGS), which this month began its ninth year in orbit around Mars.
Audience: News Resource
Client: NASA TV/Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Web Movie follows Additional B-Roll portion
09/19/2005 - 0:16:00 Producer: Savona

AVC-2005-199-1/1 **NASA Takes A Giant Step Toward Finding Earth-Like Planets - Video File**

A "nulling" instrument on the Keck Interferometer will help find Earth-like planets around other "suns." JPL's Dr. James Fanson is interviewed. Animation demonstrates the effect of nulling. Scenes of the Keck telescope.
Audience: News Resource

Client: Platt
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/26/2005 - 0:05:06 Producer: Kline

AVC-2005-200-1/1 **MER Project: "Stealing Success from the Jaws of Failure"**
Rob Manning discusses some of the hard systems engineering lessons learned in developing the Mars Exploration Rovers (MER).
Audience: JPL NASA Site: von Kármán Aud.
Client: Margaret Burns
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
CL#05-2989, valid for U.S. and foreign release
09/23/2005 - 0:43:50 Producer: Savona

AVC-2005-202-1/1 **Keck Interferometer: Not Blinded by the Light -- Web Video**
Dr. James Fanson, Keck Interferometer Program Manager, describes how light from the two Keck Telescopes is combined and "nulled" to allow study of areas around a star normally lost in the star's glare. Scenes of Keck (Mauna Kea, Hawaii) and animations of Keck operation and a future mission, Terrestrial Planet Finder.
Audience: News Resource Site:
Client: , Org. 187
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/27/2005 - 0:01:23 Producer: Kline

AVC-2005-204-1/1 **Cassini's Doubleheader Flybys Score Home Run - Video File**
Cassini performed back-to-back flybys of Saturn's moon Tethys (Sept. 24) and Hyperion (Sept. 26). Includes stills of both moons, movie of Hyperion flyby and animation of the Cassini spacecraft in orbit around Saturn.
Audience: News Resource
Client: Martinez, Org. 187
Master: DVCPro50
Audio 1: MOS 2: MOS
09/30/2005 - 0:04:59 Producer: Kline

AVC-2005-206-1/1 **Cassini's Flyby Doubleheader - Web Video**
Cassini performed back-to-back flybys of Saturn's moons Tethys (Sept. 24) and Hyperion (Sept. 26). Stills of both moons, flyby movie of Hyperion, animation of Cassini spacecraft in orbit around Saturn.
Audience: Gen.

Client: Martinez/Platt
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/30/2005 - 0:01:04 Producer: Kline

AVC-2005-207-1/1 **The Challenges of Getting to Mars: Launch Logistics**
Documentary footage, interviews, animation and music tell the story of some of the logistical challenges leading up to the launch of the Mars Reconnaissance Orbiter. Features interviews with Tracy Drain, Clay Flinn, Chuck Dovale, Jim Graf and Tammy Harrington.
Audience: Gen. Site: KSC/JPL
Client: Viotti
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
HD production
10/05/2005 - 0:04:00 Producer: Hulme

AVC-2005-209-1/1 **NASA Business Advocates Awards**
Lamont Hames-Chief of Staff, NASA Small Business Moderated and Ralph C. Thomas III-Assistant Admin. NASA Small Business, introduced Mike Griffin-NASA Admin., gave out awards to: Robert Medina-Small Business Specialist, DFRC; Eric Clark-Electrical engineer, GRC; Jeffery Jackson-Contracts Specialists, MSFC; Sandra Johnson-Pres. Barrios Tech., LTd.; Jorge Hernandez-Pres. Bastion Tech., Inc., Enrique Tessada-Pres. & CEO, Tessada & Associates, Inc.
Audience: JPL NASA Site: NASA HQ
Client: Art Duran
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/14/2005 - 1:08:00 Producer: NASA HQ

AVC-2005-214-1/1 **Ulysses 15th Anniversary - Web Video**
The Ulysses mission to the Sun was launched Oct. 6, 1990. Fifteen years of discoveries are discussed and illustrated by animations.
Dr. Edward Smith, Ulysses Project Scientist, and Ed Massey, Ulysses Project Manager, are featured.
Audience: Gen. Resource
Client: Susan Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/07/2005 - 0:03:05 Producer: Kline

AVC-2005-215-1/1 **Lady in Red: Andromeda Galaxy Shines in Spitzer's Eyes - Video File**

The Spitzer Space Telescope's infrared view of Messier 31, the Andromeda galaxy, reveals an off-centered ring of star formation and a hole in the galaxy's spiral arms. Quote from Dr. George Rieke, Spitzer Space Telescope Scientist. Animation of Spitzer Telescope in space.
Audience: News Resource
Client: Hill, Org. 187
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/12/2005 - 0:04:38 Producer: Kline

AVC-2005-216-1/1 **von Kármán Lecture Series: "Looking at Clouds from Both Sides"**
Dr. Graeme Stephens, CloudSat Principal Investigator, describes cloud research in the context of other human activities, notably art and literature, and reflects on the study of clouds in the modern science of meteorology. First results from a NASA satellite mission to be launched in May 2005, CloudSat, will show views of clouds as never seen before.
Audience: Gen. Site: von Kármán Aud.
Client: Public Service Off.
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/13/2005 - 1:02:00 Producer: Hanchett

AVC-2005-217-1/1 **Cassini Views Dione, a Frigid Ice World - Video File**
The Cassini spacecraft came within 310 miles of the surface of Saturn's moon Dione ("dee-OH-nee") on Oct. 11, 2005. Still of Dione with Saturn behind it. Zooms into Dione's landscape. Animation of Cassini spacecraft at Saturn.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
10/17/2005 - 0:03:51 Producer: Kline

AVC-2005-218-1/1 **Saturn's Dione: A Frigid Ice World - Web Video**
The Cassini spacecraft came within 310 miles of the surface of Saturn's moon Dione ("dee-OH-nee") on Oct. 11, 2005. Narrated, featuring: Still of Dione with Saturn behind it. Zooms into Dione's landscape. Image of Saturn's moon Telesto. Animation of Cassini spacecraft at Saturn.
Audience: Gen.
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix

10/19/2005 - 0:01:02 Producer: Kline

AVC-2005-221-1/1 **Spooky Space Sounds - Web Video - Halloween**
Data collected by NASA spacecraft has been converted to sound files. Several of these are played with images of planets and moons. Narrated. TWO VERSIONS: Identical except for the ending URL. First ends with JPL URL; second ends with NASA URL.
Audience: Gen.
Client: Susan Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/28/2005 - 0:04:28 Producer: Kline

AVC-2005-227-1/1 **Spitzer Captures Cosmic Mountains of Creation - Video File**
A new image from NASA's Spitzer Space Telescope reveals mountains of dust ablaze with young stars. The infrared view resembles Hubble Space Telescope's 1995 image "Pillars of Creation." Interview with Dr. Lori Allen, Spitzer Space Telescope scientist. Includes animation of Spitzer in space.
Audience: News Resource
Client: Gay Yee Hill
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/08/2005 - 0:05:48 Producer: Doherty

AVC-2005-228-1/1 **Venus Express Launch**
Launch of ESA spacecraft from Balkonur Cosmodrome in Kazachstan.
Includes interviews by Martin Ransom of Paolo Ferri, Fran‡ois Maroquene, Jean-Yves Le Gall, Olivier Witasse,
Audience: News Resource Site: Russia
Client: Thomas Thompson
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/08/2005 - 0:42:30 Producer: TVRO

AVC-2005-231-1/1 **Mountains of Creation - Web Video**
NASA's Spitzer Space Telescope sees infrared images of warm dust in the Perseus constellation that has similarities to Hubble's 1995 visible light image " Pillars of Creation." Dr. Lori Allen of the Harvard-Smithsonian Center for Astrophysics explains how and why these images form.
Audience: Gen. Edu.
Client: G. Y. Hill

Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/10/2005 - 0:02:12 Producer: Doherty

AVC-2005-232-1/1 **von Kármán Lecture Series: "From Darkness to Light...Planet Pluto"**
"From Darkness to Light: The Exploration of the Planet Pluto" Presented by Dr. Bonnie Buratti, principle investigator and science team member for the New Horizons Mission to Pluto. She discusses the exploration of the planet Pluto. Pluto is the only planet not yet explored by a spacecraft.
Audience: Gen. Site: von Kármán Aud.
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/17/2005 - 1:06:30 Producer: Hardine

AVC-2005-233-1/1 **Mars Express Radar Unveils Depths - Video File**
The Mars Advanced Radar for Subsurface and Ionosphere Sounding on the European Space Agency's Mars Express orbiter is the first instrument to look below the surface of Mars. Animation of radar instrument in operation. Stills of radar images and maps showing where they were made.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: MOS 2: MOS
11/29/2005 - 0:03:15 Producer: Kline

AVC-2005-234-1/2 1064 **JPL Annual Invention Challenge: 2005 - Strike A Match Contest**
Twenty-five student teams joined seven JPL teams in the Strike A Match Contest, 2005 version of the Invention Challenge.
Teams created devices that utilize at least three different sequential and dependent actions from three different energy categories that will ultimately light a wooden stick match exactly 20 seconds after starting the device. The winner of the contest is the team whose device accumulates the highest point total.
Audience: Gen. Site: JPL 180 Mall
Client: Paul MacNeil
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/02/2005 - 1:50:00 Producer: Bridges

AVC-2005-235-1/1 **Cassini's Photo Album from a Season of Icy Moons - Video File**

New views of Saturn's moons: Enceladus, Dione, Rhean, Hyperion and Iapetus. Movies: icy jets of Enceladus, Iapetus zoom-in, Hyperion flyby with extreme close-ups. Other moons are shown as stills. Animation: Cassini spacecraft at Saturn.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
12/06/2005 - 0:05:39 Producer: Kline

AVC-2005-236-1/1 **NASA's Long-Lived Rovers Beginning Second Martian Year- Video File**
Spirit and Opportunity have successfully explored the surface of Mars for a full Martian year (687 Earth days or 22 months). The geological information collected by the rovers add evidence about ancient Martian environments that included periods of wet, possibly habitable conditions.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/06/2005 - 0:06:47 Producer: Ford

AVC-2005-238-1/1 **von Kármán Lecture Series: "Exploring the Infrared Universe"**
Dr. Michael Werner, Spitzer Space Telescope Project Scientist presented the latest scientific results from Spitzer. He described its remarkable technology, and summarized NASA's plans for continuing exploration at infrared wavelengths.
Audience: Gen. Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
12/08/2005 - 1:19:00 Producer: Hardine

AVC-2005-240-1/1 **NASA's Comet Return Tale Drawing to a Close in Mid-January - VideoFile**
On Jan. 15, 2006, the sample return capsule of the Stardust mission returns to Earth. Includes animations of spacecraft, trajectories, comet encounter; mission launch in 1999, infrared images of Dec. 2005 practice at Utah Test & Training Range, cleanroom capsule-opening practice.
Audience: News Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix

12/19/2005 - 0:08:48 Producer: Kline

AVC-2005-241-1/1 **Stardust L-30 Briefing**
The briefing is about the return of the Stardust capsule, which is carrying cometary and interstellar dust particles back to Earth. Participants:
Andy Dantzler - Director, Solar System Division/NASA Headquarters;
Tom Duxbury - Project Manager/JPL;
Ed Hirst - Mission System Manager/JPL;
Dr. Don Brownlee - Principal Investigator, University of Washington
Audience: News Site: NASA HQ
Client: Veronica McGregor, Org. 1870
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/21/2005 - 0:49:33 Producer: NASA HQ

AVC-2005-242-1/1 **NASA's Topex/Poseidon Oceanography Mission Ends - Video File**
The mission was planned to last 3 years; it lasted 13. Interview excerpts: Dr. Bill Patzert, climatologist, Dr. Lee-Lueng Fu, Topex/Poseidon Project Scientist, Mark Fujishin, Topex/Poseidon Project Manager. Animation: spacecraft, sea surface height 1996-2000. El Nino news coverage.
Audience: News Resource
Client: Buis/Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/27/2005 - 0:06:46 Producer: Kline

AVC-2005-244-1/1 **Durable Mars Rovers Advance Vision for Space Exploration - Video File**
"Spirit's" third year of activity on Mars begins Jan. 4, 2006. Pan of descent from "Husband Hill." Movie of Spirit's POV for its first two years. Animation: landing of a Mars Exploration Rover. Interview excerpts: Dr. Steve Squyres and Dr. Joy Crisp.
Dr. Steve Squyres
Principal Investigator
NASA Mars Exploration Rovers science instruments
Cornell University, Ithaca, N.Y.
Dr. Joy Crisp
Project Scientist
Mars Exploration Rovers
JPL

Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/28/2005 - 0:11:58 Producer: Kline

AVC-2005-245-1/1 **Revealing Titan (web video)**
The Cassini spacecraft uses radar to see through the dense atmosphere of Saturn's moon Titan to reveal Earth-like features. Dr. Stephen Wall elaborates on these features and explains why radar is an effective tool.
Audience: Gen. Edu. JPL NASA Resource
Client: Martinez
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/27/2005 - 0:02:25 Producer: Doherty

AVC-2006-003-1/1 **Spitzer Captures Our Galaxy's Bustling Center - Video File**
A new infrared mosaic image from NASA's Spitzer Space Telescope offers a stunning view of the stellar hustle and bustle that takes place at our Milky Way galaxy's center.
Audience: News Resource
Client: Clavin
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/09/2006 - 0:02:58 Producer: Doherty

AVC-2006-005-1/1 **Stardust Mission Commentary Packages: Overview; EDL and Science**
Three edited packages used for the Stardust return to Earth commentary on January 15, 2006. The first package describes briefly the mission to comet Wild 2 in Jan.,2004. The second package shows the entry, descent and landing of the capsule in Utah. The last package talks about the science return.
Audience: Resource
Client: Media Relations
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/11/2006 - 0:07:58 Producer: Savona

AVC-2006-006-1/1 **Stardust Pre-Return Briefing from Dugway, Utah**
Stardust mission members outline the events leading up to the final mission objective: the entry, descent and landing of the Stardust capsule carrying cometary dust particles captured in January 2004 when the spacecraft passed near comet Wild 2.

Presenters: Tom Morgan, Stardust Program Scientist; Tom Duxbury, Stardust Project Manager; Michael McGee, Recovery Operations Manager;
Dr. Don Brownlee, Stardust Principal Investigator
Audience: News Site: Dugway, Utah
Client: Media Relations
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/12/2006 - 0:38:25 Producer: Savona/Hardine

AVC-2006-009-1/1 **Stardust Releases Sample Return Capsule - Video File**
Infrared imagery of sample return capsule as it enters Earth's atmosphere, releases its drogue parachute and main parachute and lands. JPL mission control area reaction.
Audience: News Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/15/2006 - 0:03:06 Producer: Kline

AVC-2006-010-1/1 **NASA's Comet Tale Draws to a Successful Close in Utah Desert Vid File**
The Stardust sample return capsule landed in the Utah Test & Training Range in Utah on Jan. 15, 2006. Infrared imagery of landing. Recovery helicopters & on-site exam of capsule. Clean room. View of capsule's reentry from DC8. Interviews.
Interviewees:
Andy Danzler, Director of NASA's Solar System Exploration Division, NASA HQ, Washington, D.C.;
Tom Duxbury, Stardust Project Manager, JPL;
Joe Vellinga, Deputy Recovery Operations Manager, Lockheed Martin Space Systems, Denver, Colo.;
Dr. Don Brownlee, Stardust Principal Investigator, University of Washington, Seattle.
Audience: News Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/15/2006 - 0:10:40 Producer: Kline

AVC-2006-011-1/2 **Stardust Mission Commentary Coverage from JPL of Capsule Release**
The Stardust Mission Commentary coverage from JPL and the Utah Test and Training Range where the Stardust capsule landed on January 15, 2006, after being released from the Stardust spacecraft. The coverage concludes with a successful recovery of the capsule.
Gay Yee Hill, Commentator

Nora Mainland, Stardust Mission Operations, JPL
Gentry Lee, Chief Engineer, Solar System
Exploration Flight Projects
Dr. Ken Atkins, Former Stardust Project Manager
Dr. Charles Elachi, JPL Director
Entry of capsule at 27:30 on tape.
Audience: Gen. News Resource
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/15/2006 - 1:35:30 Producer: Savona/Hardine

AVC-2006-011-2/2 **Stardust Mission Commentary Coverage from JPL of Capsule Release**
The Stardust Mission Commentary coverage from JPL and the Utah Test and Training Range where the Stardust capsule landed on January 15, 2006, after being released from the Stardust spacecraft. The coverage concludes with a successful recovery of the capsule.
Gay Yee Hill, Commentator
Dr. Don Yeomans, Science Team Member
Commentary coverage continues at 02:11:19:00 r
Audience: Gen. News Resource Site: SFOF/Dugway UT
Client: Media Relations
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/15/2006 - 1:55:53 Producer: Savona/Hardine

AVC-2006-012-1/1 **Stardust Mission Post-Briefing from Dugway, Utah**
Press Briefing that followed the successful recovery of the Stardust capsule which carries dust particles from comet Wild 2.
Presenters: Andy Dantzler, Director, NASA's Solar System Exploration Division, Headquarters
Tom Duxbury, Stardust Project Manager, JPL
Joe Vellinga, Deputy Recovery Operations Manager, Lockheed Martin Space Systems
Dr. Don Brownlee, Stardust Principal Investigator, University of Washington, Seattle.
Video File follows the briefing - 4:20
Audience: News Resource Site: Dugway, Utah
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/15/2006 - 0:59:00 Producer: Hardine/Savona

AVC-2006-013-1/1 **Stardust Mission Sample Return Briefing from JSC**

Includes all the major players from the Stardust Mission,describing the preliminary findings from the sample return. Q&A and video playback follows.
Audience: Gen. News Resource Site: JSC
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/19/2006 - 1:05:00 Producer: JSC (Ziats)

AVC-2006-015-1/2 **Joint Hearing on Strengthening Student Achievement in Math & Science**

The Senate Education Committee and the Assembly of Higher Education Committee joint hearing on "Strengthening Student Achievement in Math and Science" - Senators Jack Scott, Tom Torlakson and Gloria Romero, along with Assemblywoman, Carol Liu moderate the hearing from academia & industry.
Audience: Gen. Site: von Kármán Aud.
Client: Patty Rhee
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
TRT - 03:18:00
01/20/2006 - 3:00:00 Producer: Savona

AVC-2006-015-2/2 **Joint Hearing on Strengthening Student Achievement in Math & Science**

The Senate Education Committee and the Assembly of Higher Education Committee joint hearing on "Strengthening Student Achievement in Math and Science" - Senators Jack Scott, Tom Torlakson and Gloria Romero, along with Assemblywoman, Carol Liu moderate the hearing from academia & industry.
Audience: JPL Site: von Kármán Aud.
Client: Patty Rhee
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
Starts with Final Public Comments
01/20/2006 - 0:18:00 Producer: Savona

AVC-2006-016-1/1 **Opportunity Rover Begins Third Year Exploring Mars - Video File**
Jan. 24, 2006 marked the beginning of the rover Opportunity's third year on Mars. "Erebus" crater pan. Interview excerpts: Dr. Albert Yen, Research Scientist & Rover Science Team Member (JPL). Animation of rover superimposed onto landscape. Rover's-eye view of driving for 600 sols on Mars.
Audience: News Resource
Client: Webster

Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/23/2006 - 0:12:03 Producer: Kline

AVC-2006-017-1/1 **2 Years on Mars Anniversary of the MER Rovers**
A retrospective of the achievements of the Mars Exploration Rovers featuring guest speakers: JPL Dir., Dr. Charles Elachi, NASA Administrator, Mike Griffin, Representative, David Dreier, John Callas, Steve Squyres on phone, La Canada Mayor, Anthony Portantino, and Richard Cook.
Produced pieces that were rolled-into the show:
Condensed version of "Spirit of Exploration"-5:00
Mike Griffin's address - 4:10
"Stories from Mars" - 6:15
"Things We've Learned" - 2:35
Pete Theissinger awarded a certificate from Mayor
"Road Ahead at Mars" - 5:46
Audience: Gen. NASA Site: von Kármán Aud.
Client: Baggett
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/24/2006 - 0:48:31 Producer: Savona/Doherty/Kline

AVC-2006-019-1/1 **von Kármán Lecture Series: "Observations of an Urban Ocean"**
"Observations of an Urban Ocean: The Coastal Waters off Southern California" was presented by Dr. Paul Digiacomo, JPL Oceanographer and Supervisor of the Earth Mission Concepts Group.
Southern California is a densely populated (20 million inhabitants), highly urbanized coastal region, representing nearly a quarter of the total U.S. coastal population. It is a dynamic, fascinating region in which to live, work and play. The adjoining coastal waters of the Pacific Ocean, an "urban ocean", are equally dynamic and interesting in their own right. A multitude of coastal ocean processes and phenomena can be observed from space, including eddies, fronts, island wakes and algal blooms (harmful and otherwise) as well as pollution hazards such as storm water plumes, wastewater plumes and natural hydrocarbon seeps. This presentation will provide an overview of recent scientific findings on these regional coastal ocean features and their associated biological, biogeochemical and ecological impacts. Related ongoing efforts to develop new coastal ocean observing capabilities, including a potential coastal ocean satellite mission and a multi-institution "Southern California Coastal Ocean Observing System", also

summarized.
Audience: Gen. Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/27/2006 - 1:20:00 Producer: Hardine

AVC-2006-021-1/1 **New Horizons Launch from KSC**
NASA's New Horizons spacecraft launches on mission to visit Pluto, its moon Charon and the Kuiper Belt. Liftoff occurred Jan. 19, 2006 at 2:00 p.m EST from Launch Complex 41 at Cape Canaveral Air Force Station in Florida. It will take almost a decade to rendezvous with Pluto.
Audience: Gen. Resource
Client:
Master: DVD
Audio 1: Mono mix 2: Mono mix
01/19/2006 - 2:00:00

AVC-2006-022-1/1 **NASA Science Year in Review - 2005 (4x3 version)**
Camera moves on stills representing NASA's major scientific achievements in calendar year 2005, set to music.
Audience: Gen. Edu. NASA
Client: Alice Wessen
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/06/2006 - 0:06:16 Producer: Kline

AVC-2006-023-1/1 **NASA Science Year in Review - 2005 (16x9 version)**
Camera moves on stills reprenting NASA's major scientific achievements in calendar year 2005, set to music.
Audience: Edu. NASA
Client: Alice Wessen
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/06/2006 - 0:06:16 Producer: Kline

AVC-2006-024-1/1 **NASA Budget Press Conference**
Admin. Mike Griffin discusses the 2006 NASA Budget. Also on panel are Lisa Porter, Mary Cleave, Scott Horowitz, Bill Gerstenmaier, and Shana Dale.
Audience: NASA News Site: NASA HQ
Client: Media Relations
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/06/2006 - 1:00:00

AVC-2006-027-1/1 **Mars Science Laboratory -- Animation w/sound FX**
Cut 1) Entry, deploy, and landing
Cut 2) Travel to target site; sample acquisition
Audience: Gen. JPL NASA Resource
Client: J. Hofman
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Stereo 2: Stereo
02/14/2006 - 0:05:15 Producer: J. Doherty

AVC-2006-028-1/1 **Congressional Hearing: House Science Committee on NASA's FY 07 Budget**
NASA Administrator Mike Griffin and Deputy Administrator Shana Dale answer questions from the House Science Committee on NASA's FY 07 Budget.
Session in recess at 20:08:17:24
Session resumes at 20:25:11:21
Audience: Gen.
Client:
Master:
Audio 1: Mono mix 2: Mono mix
02/16/2006 - 2:08:00 Producer: NASA TV

AVC-2006-029-1/1 **The Challenges of Getting to Mars: Hitting the Bullseye (MRO)**
Short documentary; interviews, animation and music tell the story of the navigation challenges of the Mars Reconnaissance Orbiter. Features an archery demonstration analogy and an interview with Dr. Moriba Jah.
Audience: Gen. Resource
Client: Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/16/2006 - 0:03:35 Producer: Hulme

AVC-2006-030-1/1 **Women Working on Mars: What Do Engineers Do?**
Host Paulo Younse interviews three female JPL engineers, Saina Ghandchi, Veronica Lacayo, and Darlene Lee, to reveal what it took for them to become engineers. A studio audience of middle school students ask questions for this webcast.
Audience: Gen. Edu. Site: TV Studio
Client: Stephanie Lievense, Org. 1860
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/15/2006 - 0:48:10 Producer: Doherty

AVC-2006-031-1/1 **Greenland Ice Loss Doubles in Past Decade, Raising Sea Level Faster**

Video file: Stills of Greenland's changing ice sheet. Animation of the retreat of Jakobshavn Isbrae, Greenland's faster glacier over 6 decades. Interview excerpts: Dr. Eric Rignot ("reen-YOH"), research scientist. Mosaic of Greenland ice sheet from radar data, showing ice velocity rates.
Audience: NASA News
Client: Buis
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/16/2006 - 0:06:07 Producer: Kline

AVC-2006-029-1/1 **The Challenges of Getting to Mars: Hitting the Bullseye (MRO)**
Short documentary; interviews, animation and music tell the story of the navigation challenges of the Mars Reconnaissance Orbiter. Features an archery demonstration analogy and an interview with Dr. Moriba Jah.
Audience: Gen. Resource
Client: Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/16/2006 - 0:03:35 Producer: Hulme

AVC-2006-035-1/1 **NASA's Next Leap in Mars Exploration Nears Arrival - Video File MRO**
Animations: highlights of Mars Orbit Insertion by the Mars Reconnaissance Orbiter; SHARAD ground- penetrating radar antenna deployment; activation of CRISM imaging system. B-roll of MRO assembly, launch and mission controllers during a Jan. 2006 operation readiness test at JPL.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/22/2006 - 0:12:03 Producer: Kline

AVC-2006-036-1/1 **Science 101-"Signs of Life, as I Live and Breathe: Detecting Life...**
"Detecting Life on Other Planets" presented by Dr. Max Coleman, Director of the JPL Center for Life Detection. Dr. Coleman discusses the use of organisms biosignatures left in their enviroment as a way of identifying life.
Audience: JPL Site: von Kármán Aud.
Client: Rowena Dineros
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/23/2006 - 0:49:26 Producer: Kennedy

AVC-2006-037-1/1 **von Kármán Lecture Series: "New Views of Hidden Worlds: ... "**
JPL planetary scientist Kevin Baines presented "New Views of Hidden Worlds: Revealing the Depths of Venus, Jupiter, Saturn and Titan with 21st Century Spacecraft"
For centuries the surfaces and dynamic atmospheres of many planets, have been obscured at depth by thick clouds and smog, hiding the secrets of bizarre weather systems and alien surfaces. However, today, the wonders hidden at depth and on the surfaces of a variety of planets are being revealed by a number of recently-launched interplanetary spacecraft using a novel observational technique. Developed over the last two decades and validated by the Galileo and Cassini Spacecraft quick flybys of Venus and Jupiter, the new technique uses near-infrared light, either supplied by the Sun or by the planet's own heat, to reveal the nature of low-lying clouds and storms, winds at depth, and surfaces. The Venus Express mission currently en route to Venus will thoroughly exploit this technique with three near-infrared instruments, in particular searching for the heat, gases, and plumes emitted by active volcanoes. The New Horizons mission en route to Pluto will use this technique to explore the three-dimensional character of storms on Jupiter during its fast flyby in February 2007. The Cassini orbiter circling the Saturn system has already used this technique to image a variety of bizarre cloud formations residing at twice the depth of the deepest clouds previously imaged on Saturn. At Titan, Cassini near-infrared observations have penetrated the ubiquitous hydrocarbon smog to reveal the nature of the surface and deep atmosphere, finding direct evidence of cryo-volcanism. This lecture highlights new discoveries achieved and the prospects for new surprises from our first in-depth views of these hidden worlds.
Audience: Gen. Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/23/2006 - 1:43:00 Producer: Hardine

AVC-2006-038-1/1 **MRO-Mars Reconnaissance Orbiter Press Briefing from NASA HQ**
Moderated by: Dwayne Brown-NASA HQ Public Affairs
Panelists: Doug McCuistion-NASA Mars Exploration Dir.,NASA HQ, Bob Berry-Dir. Space Exploration Systems, Lockheed Martin Space Systems Co.-Denver,
Jim Graf-MRO Project Manager-JPL, Dr. Michael Meyer-NASA Mars Lead Scientist-NASA HQ
Audience: News Resource Site: NASA HQ

Client: Guy Webster
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/24/2006 - 0:43:43 Producer: HQ (Borst)

AVC-2006-040-1/1 **NASA Mission Detects Significant Antarctic Ice Mass Loss - Video File**
Measurements from GRACE mission confirm Antarctic ice sheet is losing significant mass. Images of Antarctica's ice sheet. Interview: Dr. Isabella Velicogna (Vella-KONE-yah) research scientist, U. of Colo. Boulder. Video: Launch of GRACE mission. Animation: twin GRACE satellites in orbit.
Audience: News Resource
Client: Buis
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/03/2006 - 0:05:47 Producer: Kline

AVC-2006-041-1/1 **The Challenges of Getting to Mars: Burn and Capture**
Documentary footage, interviews, animation and music relate the challenges of the Mars Orbit Insertion maneuver performed by the Mars Reconnaissance Orbiter. Features interviews with Peter Xaypraseuth, Ramona Tung, Dr. Moriba Jah and Robert Mase.
Audience: Resource Site: JPL
Client: Viotti, Org. 1861
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/06/2006 - 0:03:50 Producer: Hulme

AVC-2006-042-1/1 **Scientist for a Day**
Students from Shirley Avenue Elementary visit Cassini scientists at JPL. They make decisions and participate in events like real scientists. There are interviews with Cassini outreach coordinator David Seidel, Shirley Avenue Elementary teacher Kathy Cooper, Cassini scientist Jeff Cuzzi as well as Shirley Avenue Elementary students.
Audience: Gen. Edu.
Client: Wessen
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/06/2006 - 0:02:35 Producer: Doherty

AVC-2006-043-1/1 **MRO Pre-MOI News Briefing**
Moderator: Natalie Godwin. Panelists: Fuk Li, Mars Program Manager; Jim Graf, Project Manager for MRO; Rich Zurek, project scientist; and Dan McCleese, principle investigator

for Mars Climate Sounder and Mars Program chief scientist.
Audience: Gen. News Resource Site: von Kármán
Client: Media Relations
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/08/2006 - 0:42:00 Producer: Doherty

AVC-2006-044-1/1 **NASA'S Cassini Discovers Potential Liquid Water On Enceladus - VidFile**

NASA's Cassini spacecraft may have found evidence of liquid water reservoirs that erupt in Yellowstone-like geysers on Saturn's moon Enceladus. High-resolution Cassini images show icy jets and towering plumes ejecting large quantities of particles at high speed.
Audience: News Resource
Client: Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/08/2006 - 0:09:44 Producer: Ford

AVC-2006-045-1/1 **Mars Reconnaissance Orbiter Pre-Arrival Briefing, 9:00AM PST**
Moderator: Natalie Godwin,Media Realtions/JPL
Panelists: Doug McCuistion-Mars Exploration Program Director/NASA
Howard Eisen-Flight Systems Manager/JPL (Discussed Spacecraft Status)
Rob Lock-Lead Mission Planner/JPL (Discussed Navigation Status)
Richard Zurek-Project Scientist/JPL
MRO Video File follows after briefing
Audience: News Resource Site: von Kármán Aud
Client: Veronica McGregor, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/10/2006 - 0:30:28 Producer: Doherty

AVC-2006-046-1/2 **Mars Reconnaissance Orbiter Orbit Insertion Commentary, 12:30 PST**
Moderator: Gay Yee Hill, Media Relations
Interviews: Tracy Drain-MRO Systems Engineer
Fuk Li-Director of Mars Exploration
Richard Zurek-Project Scientist
Jim Graf-Project Manager
Jim Hodder-Operations Manager for Deep Space Network
Dan Kubitscheck-Aerobraking Deputy Phase Lead
Dr. Charles Elachi-JPL Lab Director
Audience: Gen. Resource Site: SFOF

Client: Veronica McGregor
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/10/2006 - 1:56:24 Producer: Hardine

AVC-2006-046-2/2 **Mars Reconnaissance Orbiter Orbit Insertion Commentary, 12:30 PST**
Moderator: Gay Yee Hill, Media Relations
Interviews: Tracy Drain-MRO Systems Engineer
Fuk Li-Director of Mars Exploration
Richard Zurek-Project Scientist
Jim Graf-Project Manager
Jim Hodder-Operations Manager for Deep Space Network
Dan Kubitscheck-Aerobraking Deputy Phase Lead
Dr. Charles Elachi-JPL Lab Director
Audience: Gen. Resource Site: BLDG. 230
Client: Veronica McGregor
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/10/2006 - 0:34:30 Producer: Hardine

AVC-2006-047-1/1 **Mars Reconnaissance Orbiter Post Arrival Briefing, 4:30 PM PST**
Introduction by Dr. Charles Elachi-JPL Director
Panelists: Dr. Colleen Hartman-Deputy Associate
Administrator Science Mission Director
Jim Graf-Project Manager
Howard Eisen-Flight Systems Manager
Dr. Rich Zurek-Project Scientist
Jim Crocker-Vice President of Civil Space/Lockheed Martin
Audience: Gen. News Resource Site: von Kármán Aud
Client: Veronica McGregor
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/10/2006 - 0:39:12 Producer: Doherty

AVC-2006-049-1/1 **Cold Faithful (Enceladus Web Video)**
Cassini scientist Torrence Johnson has determined that the Saturn moon Enceladus is spewing liquid water and ice far into the magnetosphere which suggests geologic heat beneath the surface. Heat plus liquid water may equal primitive life.
Audience: Gen. Edu. News
Client: Agle
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/10/2006 - 0:03:11 Producer: Doherty

AVC-2006-050-1/1 **La Sonda de Reconocimiento de Marte y la Visi¢n de Exploraci¢n Espacia**

Dr. Orlando Figueroa on the Mars Reconnaissance Orbiter and its contributions to the Vision for Space Exploration. Edited feature in Spanish, with documentary footage, animations and music.
Audience: JPL NASA Site: KSC/JPL
Client: Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/09/2006 - 0:02:06 Producer: Hulme

AVC-2006-051-1/1 **Stardust's First Comet Sample Results News Briefing**
Participants: Thomas Morgan-Program Scientist, NASA Headquarters
Donald Brownlee-Principal Investigator, University of Washington, Seattle
Peter Tosou-Deputy Investigator, JPL
Micheal Zolensky-Curator & Co-Investigator, JSC
Audience: News Resource Site: JSC
Client: DC Agle, Org. 1810
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/10/2006 - 1:05:20 Producer: JSC (Borst)

AVC-2006-052-1/1 **Years of Observing Combined into Best-Yet Look at Mars Canyon - VFile**

Animated flyover of Mars' Valles Marineris. Animation showing the component image strips that were overlaid to create the base image for the flyover. Interview with Dr. Phil Christensen, Principal Investigator for Thermal Emission IMaging System camera on NASA's Mars Odyssey.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/12/2006 - 0:09:00 Producer: Kline

AVC-2006-053-1/1 **Galaxy on Fire! Spitzer Reveals Stellar Smoke - Video File**
Where there's smoke, there's fire--even in outer space. A new infrared image from NASA's Spitzer Space Telescope shows a burning hot galaxy whose fiery stars appear to be billows of smoky dust.
Audience: News Resource Site: JPL
Client: NASA TV/Hill/Clavin
Master: DVCPro50 Submaster: DVCPro50

Audio 1: Silent 2: Silent
03/15/2006 - 0:03:13 Producer: Savona

AVC-2006-054-1/1 **von Kármán Lecture Series: Wide in the Middle, Hot at the Top**
Wide in the Middle, Hot at the Top: Measuring the Shapes of Stars was presented by Dr. Gerard van Belle, Keck Operations scientist at Caltech's Michelson Science Center.
Audience: Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/16/2006 - 1:33:00 Producer: Hardine

AVC-2006-057-1/1 **NASA's New Mars Orbiter Returns Test Images - Video File MRO**
The first test images from the high-resolution camera on the Mars Reconnaissance Orbiter (MRO), collected on March 23, 2006. Interview excerpts: Dr. Rich Zurek, MRO Project Scientist/JPL. Animations: Mars Climate Sounder, capabilities of 2 MRO cameras, aerobraking. B-roll: assembly/launch.
Audience: News Resource
Client: Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/24/2006 - 0:08:42 Producer: Kline

AVC-2006-062-1/1 **JPL Celebrates 40th Anniversary of Deep Space Network Antenna - VFile**

On March 30, 2006, a ceremony at the Deep Space Network (DSN) complex in Goldstone, Calif., marked the 40th anniversary of the 70-meter (230-foot) antenna. Interview: Dennis Buck, DSN Network Antenna Manager. Video: Ceremony, antenna, scenes from historic missions supported by antenna.
Audience: News Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/31/2006 - 0:08:08 Producer: Kline

AVC-2006-063-1/1 **Planet Birth in Dead Star's Rubble - Spitzer Web Video**
Animation of a massive star, 10 to 20 times as big as our Sun, exploding into a supernova. Some of the material remaining afterward becomes the seeds for future planets and asteroids. Narrated by Dr. Charles Beichman, Michelson Science Center, Pasadena, Calif. & Staff Scientist, JPL.
Audience: Gen. Resource

Client: Gay Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/04/2006 - 0:00:42 Producer: Kline

AVC-2006-064-1/1 **NASA'S Spitzer Finds Hints of Planet Birth Around Dead Star-VF**
New evidence from NASA's Spitzer Space Telescope indicates that planets might rise up out of a dead star's ashes. This is the first time scientists have detected planet-building materials around a star that died in a fiery blast.
Animation: Artist's concept of a pulsar formation.
Audience: News Resource
Client: Hill/Clavin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/05/2006 - 0:06:06 Producer: Ford

AVC-2006-068-1/1 **Test Images Confirm Performance of New Camera at Mars - MRO VideoFile**
Camera is acronymed: HiRISE.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/06/2006 - 0:11:10 Producer: Kline

AVC-2006-069-1/1 **Flight Into Mariner Valley-Valles Marineris, Mars**
An animated flight thru Valles Marineris on Mars, the largest canyon anywhere in the Solar System. Produced by the JPL Solar system Visualization group. Animation: Eric De Jong, Zareh Gorjian, Koji Kuramura, Michael Stetson, Rob Baldwin, and Jason Craig. Narrated by Mark Kennedy.
Audience: Gen. Resource
Client: Michelle Viotti
Master: DVCProHD Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/07/2006 - 0:03:43 Producer: De Jong/Leung

AVC-2006-070-1/1 **The 1906 San Francisco Earthquake, A Century of Scientific Study**
Web video commemorating the 100th anniversary of the April 18, 1906, San Francisco earthquake. Includes stills and film from 1906, explanation of advances in seismic knowledge since 1906 from JPL geophysicist Andrea Donnellan and JPL Director Dr. Charles Elachi.
Audience: Gen.
Client: Hill

Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/07/2006 - 0:02:58 Producer: Kline

AVC-2006-071-1/1 **Announcement of NASA's New Moon Mission**
Dolores Beasley moderates:
Scott Horowitz ESMD NASA HQ
Daniel Andrews Ames Research Center
Butler Hine Ames Research Center
Audience: News Site: NASA HQ
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/10/2006 -53:45:00

AVC-2006-073-1/1 **Earthquake Research 100 Years After 1906 San Francisco Shaker – VidFile**

Film: aftermath of 4-18-1906 quake; scientists gathering data from So. Calif. Global Positioning System. Animations: Navstar satellites, interferometric synthetic aperture radar mission (InSAR), flyover of Northridge, CA 1994 quake site. Interview: Dr. Andrea Donnellan, JPL geophysicist.

Credit for film of 1906 San Francisco: U.S. Library of Congress.
Northridge flyover: rainbow fringes show amount of Navstar satellites: provide precise positioning data to monitor plate movement.
San Francisco quake occurred approximately 5:12 a.m. on April 18, 1906 and is estimated at 7.9 magnitude.
Audience: News Resource
Client: Buis/Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/12/2006 - 0:06:36 Producer: Kline

AVC-2006-074-1/1 **Two Mars-Orbiting Cameras Debut - Video File - MRO**
The first test images of Mars from two of the three science cameras on NASA's Mars Reconnaissance Orbiter. Also: animations showing the cameras' location on the spacecraft.
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: MOS 2: MOS
04/13/2006 - 0:04:09 Producer: Kline

AVC-2006-075-1/1 **von Kármán Lecture Series-MARSIS on Mars Express**
Dr. Jeffrey Plaut discusses the Mars Advanced Radar for

Subsurface and Ionospheric Sounding (MARSIS) aboard the ESA's Mars Express. MARSIS is being used to map the interior of the thick polar ice caps, and has discovered large hidden craters below the surface of the Red Planet.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/13/2006 - 1:05:01 Producer: Hardine

AVC-2006-076-1/1 **JPL 1957**
Tells the story of the Jet Propulsion Laboratory (pre-NASA). Opens with a pan of JPL; shot of Guggenhiem Graduate School of Aeronautics at the California Institute of Technology; Dr. Theodore von Kármán at desk; August, 1941, March Field jet assisted take off test; Parsons assembling Ercoupe motor, Sound added to Ercoupe takeoff, April 1942 a Douglas A-20A takeoff; Early JPL scenes; Private A launch 12/1944; problematic Private F launch; 10/1945 WAC Corporal launch; Corporal E launch 5/1947; architect's model of the JPL landscape with buildings; Building construction; views of various facilities, Wind Tunnel, Test Pits, motor testing, Chemistry Lab, Combustion Studies, Metallurgical Studies; Electronics Lab, Shake Table, Administration building (111), Repro Facility, Photo Section, Report Section, JPL Library, Transportation Dept., Electrical Shop, Carpenter and other shops.
Audience: Gen. Resource
Client: Blaine Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
16mm color film transfer by PhotoKem 4/03/06
01/01/1958 - 0:20:00 Producer: JPL (SLB)

AVC-2006-079-1/1 **CloudSat Super Spotlight Web Video**
Project members Tom Livermore and Deborah Vane briefly describe the CloudSat mission to study clouds in 3D.
Audience: Gen.
Client: Media Relations
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/18/2006 - 0:02:46 Producer: Savona

AVC-2006-081-1/1 **Reading, Writing, and Rings**
Teacher/consultants Linda Block, Sally Feldman, and Ruth Paglierani plus their students give a brief description of

Reading, Writing, and Rings, the lesson plan for 2nd and 4th grade students developed through JPL's Cassini mission.
Audience: Gen. Edu. JPL
Client: A. Wessen
Master: DVCPro25
Audio 1: Stereo 2: Stereo
04/20/2006 - 0:02:41 Producer: J. Doherty

AVC-2006-082-1/1 **Galaxies Don Mask of Stars in New Spitzer Image - Video File**
An infrared image from NASA's Spitzer Space Tele- scope shows the cores of two merging galaxies, called NGC 2207 and IC 2163. Dotted along the arms are dusty clusters of newborn stars called "beads on a string" by astronomers.
Animation: Spitzer Space Telescope in Earth-trailing orbit.
Audience: News Resource
Client: Clavin
Master: DVCPro50
Audio 1: MOS 2: MOS
04/21/2006 - 0:03:08 Producer: Kline

AVC-2006-085-1/2 **Calypso-CloudSat/Delta II Launch Continuous Record**
Audience: Gen. Resource
Client: NASA KSCTV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/28/2006 - 1:30:00 Producer: NASA KSCTV

AVC-2006-085-2/2 **Calypso-CloudSat/Delta II Launch Continuous Record**
Audience: Gen. Resource
Client: NASA KSCTV
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/28/2006 - 0:00:00 Producer: NASA KSCTV

AVC-2006-086-1/1 **Planetary Program Report Number 3: Mariner-Mars Flight Preparation**
Report covers April through October 1963.
Opens with student tour in von Kármán Auditorium, describing the full scale Mariner 2 model mission to Venus. Mariner C Mission description with trajectory animation and models. Aerial of JPL. System testing. Putting the Mariner C spacecraft in Solar Simulator. Component testing and closeups. Solar cell assembly and testing. Camera testing at Mt. Wilson Observatory. Computers in Space Flight Operations Facility (first use of the SFOF).
Audience: Gen. Resource

Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 517 Rowe100
16mm color film transfer made 4/11/06 by FotoKem.
10/31/1963 - 0:19:30 Producer: JPL Photo Lab (SB)

AVC-2006-088-1/1 **NASA and Partners Release New Titan Movies - Cassini Huygens VidFile**

Stills from Huygens probe: flat view 6 miles above surface of Saturn's moon Titan & fish-eye view 3 miles up. Movie: 2.5-hour descent from Huygens Probe's POV compressed into 3.5 minutes.
Audience: News Resource
Client: Martinez
Master: DVCPro25
Audio 1: MOS 2: MOS
05/04/2006 - 0:06:42 Producer: Kline

AVC-2006-089-1/1 **Surveyor Project Report #13 January 1 to March 31, 1964**

Shows the development and testing for the Surveyor Lunar Project. Addresses the Surveyor Spacecraft System: Scientific Payload, type approval testing, flight hardware production (at Hughes), system testing, propulsion. Also shows the DSN and flight operations and the launch vehicle system.
Audience: Tech. Resource Site:
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 562 Rowe103
16mm color film transfer made 4/8/06 by FotoKem.
04/01/1964 - 0:31:20 Producer: JPL/Hughes Air (SB)

AVC-2006-090-1/1 **JPL's Open House Super Spotlight Web Video**

Last year's highlights advertise this year's event. JPLer's Curtis Montano and Tony Freeman tell why the JPL Open House is for everyone.
Audience: Gen.
Client: Media Relations
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/08/2006 - 0:01:56 Producer: Savona/Hill

AVC-2006-091-1/1 **The Challenges of Getting to Mars: Dip and Drag**

Documentary footage, interviews, animation and music relate the challenges of Mars Reconnaissance Orbiter's aerobraking phase. Features interviews with Peter Xaypraseuth, Dr.

Moriba Jah and Ramona Tung. Also features edited footage of MRO's Mars Orbit Insertion event.
Audience: Gen. Site: JPL
Client: Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/31/2006 - 0:03:43 Producer: Hulme

AVC-2006-092-1/1 **JPL 313 TV News Release - Explorer 3**
Presentation set in a room, presenters behind a table with models.
Includes interviews with William Pickering, Director of JPL; Jack Froehlich, JPL Satellite Project Director; Phyllis Buwilda(sp?) Research Engineer, Walt Victor, Chief Electronics Research Section; Henry Richter, Cosmic Ray Experiment; Geoff Robillard, Chief Solid Propellant Section. They describe the mission, launch vehicle, and payload of Explorer 3. Includes Explorer 1 and Explorer 3 launches.
Audience: Gen. Resource Site: JPL
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 313 Rowe#91
16mm color film transfer made 3/31/06 by FotoKem.
11/01/1958 - 0:08:25 Producer: U.S. Army (SB)

AVC-2006-094-1/1 **Spitzer Telescope Sees Trail of Comet Crumbs - Video File**
NASA's Spitzer Space Telescope has snapped a picture of the bits and pieces making up Comet 73P/Schwassman-Wachmann 3, which is continuing to break apart on its periodic journey around the sun. The new infrared view shows chunks of the comet riding along its own dusty trail of crumbs.
Audience: News Resource Site: JPL
Client: NASA TV/Clavin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
05/10/2006 - 0:03:30 Producer: Savona

AVC-2006-095-1/1 **Planetary Program Report Number 7, 1 April through October 1965**
Technically describes Mariner 4 flight and the encounter with Mars including testing; flight operations; science results with film of the instruments being tested; an aerial of the DSN Pioneer station; all the Mars images stepped across a red surface. At this time both Johannesburg and Madrid antennas operational and in use. The images sent back were 1/5 second exposures creating 6 bit digital images on a 0 to 63 gray scale. The resultant 21 frames were 200 by 200

pixel images.
Mariner 4 encounter included the first radio occultation of another planet.
The film shows Walt Larkin in his red sweater and Lyndon Johnson awarding Dr. William Pickering for the accomplishment.
Audience: Tech. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 654 Rowe124
16mm color film transfer made 4/8/06 by FotoKem.
11/01/1965 - 0:14:43 Producer: JPL (SB)

AVC-2006-096-1/1 **von Kármán Lecture: "Planetary Robotics: To Mars and Beyond"**
Dr. Ashley Stroup of the Mars Exploration Rovers Engineering Team and Brett Kennedy, a staff engineer in the JPL Robotic Hardware Group presented on planetary robotics.
Audience: Gen. Edu. Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/11/2006 - 1:23:00 Producer: Hardine

AVC-2006-103-1/1 **Andromeda Adrift in Sea of Dust in New NASA Image (Spitzer)-VF**
The Andromeda galaxy, named for the mythological princess who almost fell prey to a sea monster, appears tranquil in a new image from NASA's Spitzer Space Telescope. The mesmerizing infrared mosaic shows red waves of dust over a blue sea of stars. Andromeda's less glamorous name is M31.
Audience: News Resource
Client: Platt/Clavin, Org. 1870
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
06/01/2006 - 0:03:35 Producer: Ford

AVC-2006-108-1/1 **NASA's Cassini Spacecraft Captures Saturnian Moon Ballet - video file**
Still: Saturn's moon Enceladus & Titan. Movies: 1) Epimetheus passes Titan & Dione. 2) Rhea moves between Mimas & Enceladus. 3) Rhea occults Saturn. 4) Janus & Epimetheus pass Dione, rings visible. 5) Pan embedded in the rings.
Animation: Cassini spacecraft.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
06/14/2006 - 0:04:15 Producer: Kline

AVC-2006-109-1/1 **Viking - Mars Trailblazer - 30th Anniversary Super Spotlight- web vid**
Participants in the Viking 1 & 2 missions reflect on their feelings. Archival footage and current interviews: Gentry Lee-Science Analysis & Mission Planning Dir., Bob Tolson-Navigation Mgr., Bill Boyer-Launch & Flight Operations Systems Mgr., Richard Zurek, Viking Scientist.
Audience: Gen. Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/22/2006 - 0:02:55 Producer: Kline

AVC-2006-111-1/1 **von Kármán Lecture: "Moon, Mars and Beyond: Apollo on Steroids"**
Mike Sander, Manager of JPL's Exploration Systems and Technology discussed NASA's exploration vision and how our journey will open many doors to new technologies, open many minds to new possibilities and lead down paths yet to be imagined.
Audience: Gen. Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/22/2006 - 1:20:00 Producer: Hardine

AVC-2006-112-1/1 **Cassini's Postcards from Saturn: Tale of Two Moons - Super Spotlight**
Halfway through its 4-year Saturn tour, the Cassini spacecraft continues on one amazing discovery after another, like postcards from an excited tourist, information streams home.
Produced for the web. Interviews with: Trina Ray; Rosaly Lopes and Steve Wall.
Audience: Gen.
Client: Gay Hill
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/27/2006 - 0:03:05 Producer: Savona

AVC-2006-114-1/1 **The Ranger Project: Semi-Annual Report Number 13, Jan. thru June 1964**
Technically describes Ranger activities for first six months of 1964, that is, Ranger 6 launch 1-30-64, failure of cameras to turn on, and investigations / analysis. No specific cause of failure is included in this report. Many scenes of construction, testing, operation, control rooms, Space Flight Operations Facilitly (SFOF), the Deep Space

Instrumentation Facility (DSIF) antennas, and Atlas/Agena B launch vehicle. Success of Ranger 7--after June 30, 1964--is included as a part of the film; Ranger 7 TV images of the Moon are shown.
Audience: Gen. Tech. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 563 Rowe104
16mm color film transfer made 5/19/06 by FotoKem.
08/31/1964 - 0:25:27 Producer: Photo Lab

AVC-2006-115-1/1 **Countdown to Venus**
Re-dramatization of March 10, 1961 at 6:34 PST: radar signal reflected off of Venus. A 10 Mw signal transmitted from Echo/Venus antenna at 2388 Khz; received by Pioneer antenna. Participants include Pickering who shows to Bob Stevens and Walt Victor a very rough Mariner model.
Irl Newlan, producer.
Norm White and Phillip F. Callahan, directors.
Irl Newlan and Harold J. Wheelock, writers.
Marvin Miller, narrator
Ed Deview, Don Maxeiner, Bill Rowe, photographers
Charles McDanald, sound
Royal/Arts, animation Galway Productions, production services
Source: John Gregoire, April 1998
Audience: Gen. Resource Site: JPL/Goldstone
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 425 Rowe526
16mm color film transfer made 5/19/06 by FotoKem.
05/01/1961 - 0:13:52 Producer: Irl Newlan (SB)

AVC-2006-116-1/1 **Crustal Dynamics Project**
Produced by JPL for NASA Crustal Dynamics Project and the Department of Commerce, National Geodetic Survey.
Starts with an animated explanation of Very Long Base Interferometry (VLBI); shows a mountain set up of a portable unit, then the set up at JPL Mall, of a folding dish antenna system mounted on a truck bed. This system was a part of the ORION radio interferometry network.
Audience: Gen. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix Cross Ref: Rowe #251
16mm color film transfer made 5/19/06 by FotoKem.

06/01/1983 - 0:15:45 Producer: JPL Photolab (SB)

AVC-2006-118-1/1 **NASA Marks 30th Anniversary of Mars Viking Mission - Video File**
Commemoration of 30th anniversary of successful Viking 1 and 2 missions. Historical video: landing commentary for Viking 1, launches of Vikings 1&2. Stills comparing Viking views to those from later missions. Interview excerpts with participants in the missions:
Gentry Lee: Viking Science Analysis & Mission Planning Director
Bob Tolson: Viking Navigation Manager
Bill Boyer: Viking Launch/Flight Operations Systems Manager
Audience: News Resource
Client: Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/13/2006 - 0:08:07 Producer: Kline

AVC-2006-122-1/1 **Cassini Reveals an Earth-like Land on Titan - Video File - Xanadu**
Radar image shows details of Australia-size bright region (called "Xanadu") on Saturn's moon Titan: river channels, mountains, lakes, craters, possible ice volcanoes. Interview: Dr. Jonathan Lunine, Cassini scientist, University of Arizona, Tucson. Animation: Cassini spacecraft orbiting Saturn.
Audience: News Resource
Client: Hill/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/18/2006 - 0:06:20 Producer: Kline

AVC-2006-123-1/1 **von Kármán Lecture Series-Cassini Real-Time Operations**
A fascinating look at Cassini Real-Time operations, as mission controllers communicate with the distant robot spacecraft. Presented beautifully by Dave Doody, Cassini's manager of Flight Operations.
Audience: Gen. Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/20/2006 - 1:12:00 Producer: Hardine

AVC-2006-125-1/1 **Spitzer's Spin on Stars - Web Video**
A spinning roller skater represents a spinning star with a dust disk around it. Animations show how the star's magnetic fields interact with the disk to slow the star's rotation.

Comments from Dr. Luisa Rebull, Spitzer Scientist.
Audience: News Resource
Client: Hill/Clavin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/21/2006 - 0:02:30 Producer: Kline

AVC-2006-127-1/1 **Cassini Finds Lakes on Titan's Arctic Region - Video File**
Radar images show hydrocarbon lakes on Saturn's moon Titan. Still and pans. Animation of Cassini spacecraft at Saturn.
Audience: News Resource
Client: Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: MOS 2: MOS
07/26/2006 - 0:03:37 Producer: Kline

AVC-2006-130-1/1 **Imagine Mars Webcast - Closed-Captioned**
Discussing students' planning for humans on Mars were: Thaddeus Miles, Board Pres., Neighborhood Networks (NN) National Consortium; Paula Goodman, Director K-12 Pgms., Art Center College of Design; Don Freeman, Coord., L.A. Field Office, HUD NN. Host: Stephenie Lievense. Web: David Delgado.
Included call-in comments from:
Delores Pruden, Director, Multifamily Housing Neighborhood Networks, and
Charles H. "Hank" Williams, Deputy Assistant Secretary, Office of Multifamily Housing Programs.
Audience: Gen. Edu.
Client: S. Lievense
Master: DVCPro25 Closed Caption
Audio 1: Mono mix 2: Mono mix
07/31/2006 - 0:54:00 Producer: Doherty

AVC-2006-133-1/1 **Mariner II (Venus)**
A 20th anniversary lookback shows the story of Mariner 2, launched on August 27, 1962, sending it on a 3-1/2-month flight to Venus. On the way it measured for the first time the solar wind, a constant stream of charged particles flowing outward from the Sun. It also measured interplanetary dust, which turned out to be more scarce than predicted. In addition, Mariner 2 detected high-energy charged particles coming from the Sun, including several brief solar flares, as well as cosmic rays from outside the solar system.
As it flew by Venus on December 14, 1962, Mariner 2 scanned

the planet with infrared and microwave radiometers, revealing that Venus has cool clouds and an extremely hot surface. (Because the bright, opaque clouds hide the planet's surface, Mariner 2 was not outfitted with a camera.)
Film is narrated by Al Hibbs, written by Don Bane, Bill Rowe one of two editors. It includes the failure of Mariner 1 and shots of Jack James, Bill Pickering, Bob Parks, Carl Sagen (speculating with eyes downturned at desk about life on Venus), the Pioneer antenna, a 'tv studio' at JPL, Marsha Neugebauer, and Rechton along with many others.
Audience: Gen.
Client: B. Baggett
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 1111 Rowe30
16mm color film transfer made 7/13/06 by FotoKem.
12/31/1982 - 0:24:00 Producer: JPL Photo Lab (SB)

AVC-2006-136-1/1 **The GAVRT Program: Bringing the Universe to America's Classrooms**
The Goldstone Apple Valley Radio Telescope or GAVRT is a NASA sponsored program through the Lewis Research Center in Apple Valley, California. Denver North High School students participate in-a-hands-on atmosphere, working with NASA scientists on advanced astronomy missions.
Produced for the Lewis Research Center in Apple Valley, California. Denver North High School in Denver, Colorado are featured as an example of a successful GAVRT program at work.
For More Information about the GAVRT program for your school contact:
Audience: Gen. Edu. Site: Denver/AppleV
Client: Dave Maclaren
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/09/2006 - 0:05:14 Producer: Gary Savona

AVC-2006-137-1/1 **Ring World II**
The story of the international Cassini/Huygens mission to Saturn and Titan. The narrated video uses animation to explain the mission after Cassini's arrival at Saturn and the Huygens probe release to Titan. Narration by John
Billingsley.
Audience: Gen.
Client: Enrico Piazza
Master: DVCPro25 Submaster: DVCPro25

Audio 1: Mono mix 2: Mono mix
08/09/2006 - 0:34:42

AVC-2006-140-1/1 **NASA's Spitzer Digs Up Possible Solar Systems in Orion- VidFile**
NASA's Spitzer Space Telescope has captured a stunning new image of the Orion nebula. Spitzer with its powerful infrared vision was able to unearth thousands of planet-forming disks in the Orion cloud complex, which includes the Orion nebula.
Audience: News Resource
Client: Clavin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/14/2006 - 0:05:08 Producer: Ford

AVC-2006-141-1/1 **von Kármán Lecture - How Satellites Have Revolutionized Oceanography**
Presented by Dr. Jorge Vasquez, this is a fascinating overview of the technological and scientific advances in the study and mapping of the world's oceans. An extensive Q&A session follows.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/17/2006 - 1:22:00 Producer: Hardine

AVC-2006-143-1/1 **JPL Story II - 1959**
Describes a multitude of JPL activities and research. Opens with an aerial of Los Angeles, Rose Bowl, and JPL. Includes 1940 pan of lab site, Theodore von K rm n in his CIT office, Ercoupe with JATOs clearing 50 foot ribbon, solid propellants, Sergeant launch, liquid research, JATO, WAC Corporal launch, supersonic wind tunnel, Deep Space Instrumentation Net, Echo, and Explorer launch. Also a rapid paced list of other accomplishments.
The presentation is rather a jumpy research-level story trying to include all the kinds of projects that JPL was involved in by 1959.
Ends with an aerial of California Institute of Technology (CIT) and the launch of Explorer 1, plus a comment on the transition to NASA.
Audience:
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD

Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 409 Rowe120
16mm color film transfer made 7/24/06 by FotoKem.
12/31/1959 - 0:09:20 Producer: JPL Photo (SB)

AVC-2006-145-1/1 **JPL Story: A Tradition of Discovery - 1985**
Described the research activities at JPL as of 1985. Including Voyager results; Galileo construction; the JPL history as told by Dr. Al Hibbs; Dr. Charles Elachi describes radar missions; IRAS; Ulysses Mission; computer and robotic technology; Donna Shirley Piveratto describes future missions; Image Processing Lab; Richard Terrille talks about searching for other solar systems; Dr. Lew Allen, director of JPL discusses JPL's tradition of discovery.
Made by Goal Productions, Pasadena. Jack Oswald, executive producer; Frank Bristow and John Gura, producers; Don Schroeder, director; Richard Stachelek and John Gura, writers.
Audience: Gen.
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL-1120 R#198
16mm color film transfer made 7/24/06 by FotoKem.
09/11/1985 - 0:17:18 Producer: Goal Prod. (SB)

AVC-2006-146-1/1 **Time and Space (Pioneer 4)**
Story of Pioneer 4, launched March 3, 1959 successfully passed within 60,000 kilometers (37,300 miles) of the Moon and is now orbiting the Sun, the first U.S. spacecraft placed in solar orbit.
Shows the assembly of the Jupiter launch vehicle and scenes from JPL and Cape Canaveral.
Dr. Pickering, JPL Director, appeared on camera.
Shows Jack Froelich and Dr. Kurt H. Debis, head of ABMA Missile Firing Laboratory, explaining mission.
Audience: Gen.
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL-333 Rowe169
16mm color film transfer made 7/24/06 by FotoKem.
04/01/1959 - 0:26:45 Producer: JPL- Newlan (SB)

AVC-2006-147-1/2 **Mariner-Mars Mission 1964 (Mariner 4) (Revised Ending)**
A Space Science Division technical presentation describing the Mariner C mission, Mariner-Mars 1964 project (Mariner 3 & 4). Many c/u of various instruments and subsystems, while

narrator gives a detailed description. Shows assembly, testing and launch of the first Mariner C. No image results. Credits: R.V. Meghreblian, chief, Space Sciences Division, plus the names of four other SSD leaders; Photographic Section: George Emmerson, director; R.E. Pace, picture supervisor;
photography by E. Deview, Gregoire, Rolofson; narrated by Michael Rye; written by William Hardy; directed by James H. Dissman Jr.
Audience: Tech. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL-577 Rowe104
16mm color film transfer made 7/24/06 by FotoKem.
12/16/1965 - 0:19:35 Producer: JPL Photo Lab (SB)

AVC-2006-148-1/1 **The Big Monitor - 1964**
A public release film, somewhat technical, it describes the Deep Space Instrumentation Facility (DSIF) and the Space Flight Operation Complex (SFOC) and its 1964 Mariner Mission to Venus and its future. Shows construction of Buildings 180 and the Space Flight Operations Facility (SFOF) as well as the Pioneer and other antenna sites. A good resource for JPL and DSN scenes.
Directed and edited by Bill Rowe; written by Ralph D. Kearin and Bill Rowe; narrated by Maurice Hart; produced by the JPL Photographic Section.
Ordered by Nick Renzetti
Audience: Gen. Tech. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL-506 Rowe#94
16mm color film transfer made 7/24/06 by FotoKem.
12/30/1964 - 0:19:57 Producer: Bill Rowe (SB)

AVC-2006-150-1/1 **The Sergeant Development History Number 4: 1 January - 30 June 1958**
A report film on the Sergeant Missile developed by JPL. Shows launches; environmental tests; transportation over rugged terrain and the sea; JPL; Dr. Pickering, Bob Parks and others; firings #8 in 1957, #9 in 1/21/1958, #10 3/14/1958, #11 5/1/1958, #12 5/9/1958, and #13 6/30/1958. This Sergeant report film included the inadvertent destruction of Round 12 on May 9, 1958 at White Sands Proving Grounds and Bob Parks dictating to a female secretary plans concerning the Sergeant. It also shows a "direct writing oscillograph" used to create written records

of telemetry information.
Film marked within CONFIDENTIAL. However, container marked
Classification changed to Unclassified, DoD 5200.10,
1-26-67, by "J.L."
Audience: Gen. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL-318 Rowe162
16mm color film transfer made 7/24/06 by FotoKem.
07/31/1958 - 0:19:59 Producer: JPL & Sperry (SB)

AVC-2006-151-1/3 **JPL Historical Roll #1 - 1939 to 1945 (JPL-510)**
JPL's first historical film, a rough spliced edit from
earlier films.
Jet Propulsion Research Project 1939 descriptive title; pan
of original buildings; test rocket firing; men working
instruments; test firing; title:
Units delivering 27 lb. thrust
for 12 seconds used in the
Ercoupe tests were developed
by the solid propellant section.
---
setting up units and firing them; title:

Flight tests carried
out in the early
morning at
March Field
---
take off of airplanes; close up from another plane; tests
for rapid climb; titles:
FLIGHT TESTS
OF THE
A-20A AIRPLANE
EQUIPPED WITH
TWO 1000 LB. THRUST
LIQUID PROPELLANT JET
UNITS

AT
MUROC, CALIFORNIA
APRIL 9-24 1942

AIR CORPS JET PROPULSION
RESEARCH PROJECT
GALCIT PROJECT NO.1

CALIFORNIA INSTITUTE
OF TECHNOLOGY
PASADENA, CALIFORNIA

FLIGHT TEST PERSONNEL
MATERIEL CENTER, ARMY AIR FORCES
AIRCRAFT LABORATORY
Major P. H. Dane....Test Pilot
M. G. Cassell..Installation Inspector
L. A. Brady.....Crew Chief
A. C. Loedding.....Observer

RESEARCH PROJECT
Dr. Th. von Kármán..Technical Director
Dr. D. B. Millikan..Aerodynamics Consultant
Dr. F. J. Malina.....Chief Engineer
Dr. M. Summerfield...Project Engineer
W. B. Powell.....Research Engineer
E. G. Crofut.....Designer
B. Forman...Chief Mechanic, Jet Operator
in Flight Tests

??
W. H Wheeler....Mechanic
A. Richardson...Mechanic
W. Gibson.....Mechanic
L. Gaul....Mechanic's Helper
W. C. Stephenson..Mechanic's Helper
H. Farrell.....Mechanic's Helper
Al Richardson.....Mechanic's Helper
G. Emmerson.....Photographer

Group picture in front of aircraft; Man in control room; engine test; men working on plane; men in dirt field fueling plane; men standing near plane.
fin.
Audience: Gen. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Silent 2: Silent Cross Ref: JPL-510 Rowe#76
16mm color film transfer made 7/24/06 by FotoKem.
08/28/2006 - 0:10:02 Producer: Emerson (SB)

AVC-2006-151-2/3 **JPL Historical Roll #3 - 1939 to 1945 (JPL-510)**
JPL's first historical film, a rough spliced edit from earlier films.

Scenes: Loading Private in launcher;
Title:
Drs. Th von Kármán, C. B. Millikan,
and Col. W. H. Joiner observe
loading of PRIVATE into launcher.

Men pushing fixture;
Title:
The booster assembly was tested
with a dummy PRIVATE loaded
with concrete.

Firings;
Title:
Col. Skinner instructed Mark
Mills on special techniques
often found necessary in research.

Man digging in desert; Launch;
Title:
ORDCIT Project
FIRING TESTS OF
"PRIVATE-F"
April 4 to 11, 1945
Fort Bliss, Texas
(Hueco Range, New Mexico)
Jet Propulsion Laboratory, GALCIT
CALIFORINA INSTITUTE OF TECHNOLOGY
Pasadena, California

Pans of encampment with tents; men working on missle;
erecting the launcher;
Title:
The launcher and booster assembly
were checked by launching a dummy
"PRIVATE-F" loaded with concrete.

Men working on launcher; firing, landing in desert;
Title:
The unexploded spoting charge
in the nose of round No. 1 was
"killed" by Dr. Detsasso from
twenty yards (prone position
behind a bondock).

Dr. Detsasso foot on round, holding rifle and being

congratulated by men walking by; men walking and gathering around a fire; Firing;
Title:
ORDCIT PROJECT
DEVELOPMENT AND
FIRING TESTS OF THE
"WAC CORPORAL"
(230,000 FT. ALTITUDE SOUNDING ROCKET)
by the
Jet Propulsion Laboratory, GALCIT
California Institute of Technology
Pasadena, California
1945

ACKNOWLEDGMENT
The coordination of the various organizations involved in the development and firing of the WAC CORPORAL was carried out by Colonel B. S. Mesick of the Ordnance Department. Missle development and technical phases of the firing program were directed by Dr. F. J. Malina of the California Institute of Technology.

Flight test data were obtained by the Aberdeen Proving Ground under the supervision of Dr. L. A. Delsasso. Weather instruments and raido sonde equipment wer operated under the supervision of Major K. S. Jackson of the Signal Corps. Scheduling of the firing tests and maintenance of safety were directed by Lt. Col. H. R. Turner, Commanding Officer of the White Sands Proving Ground.

An aerial of ?; men working in launch tower;
Title:
DESCRIPTION OF THE
"WAC CORPORAL"
Initial weight (without booster) 665 lb
Propellant and pressurizing gas weight 376 lb
Rocket motor thrust 1500 lb
Duration of thrust 45 sec
Length 16.2 ft

Diameter 1.0 ft

Oxidizer -- red fuming
Propellant nitric acid
Fuel -- aniline containing 20% furfuryl alcohol
The nose cone was designed to
disengage from the missile at
the summit of vertical flight to
release radio sonde meteorological instruments.

DESCRIPTION OF BOOSTER
ROCKET
The booster rocket was a
modified TINY TIM which
delivered 48,000 lb. thrust
for 0.65 seconds. The initial
booster weight was 759 lb.

The LAUNCHER was a triangular
steel structure 100 ft in height.
The launching rails were 75 ft long.

Firing of the missile was carried
out from a heavily reinforced
concrete CONTROL HOUSE.

Control house construction scenes;

Title:
2. Static tests were made of a
prototype model of the WAC CORPORAL
at the ORDCIT Test Station, Muroc, California.

Installation and static firing of the rocket
END OF FILM
Audience: Gen. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Silent 2: Silent Cross Ref: JPL-510 Rowe#76
16mm color film transfer made 7/24/06 by FotoKem.
08/28/2006 - 0:10:16 Producer: Emerson (SB)

AVC-2006-151-3/3 **JPL Historical Roll #4 - 1939 to 1945 (JPL-510)**
JPL's first historical film, a rough spliced edit from
earlier films.
Scenes:
Title:
3. Flight tests to determine aero-
dynamic characteristics of the
WAC CORPORAL were
carried out with a 1/5 scale
model by the ORDCIT Project
at Goldstone Lake, California
---
erecting the launcher; three men lowering a rocket;
Title:
The BABY WAC booster rocket
and missile propulsion units
utilized a special restricted-
burning asphalt-base solid
propellant. The missile reached
an altitude of 3000 ft.

Man assembling the Baby Wac; C/U; two men loading it in launcher; connecting firing wires; launch and flight; c/u of missile in ground;
Title:
Component parts of the missile
designed and fabricated by the
ORDCIT Project were assembled
by the Douglas Aircraft Co.

The missiles were flown to the

White Sands Proving Ground
by the ORDCIT AIRLINE
---
loading crate in twin engine aircraft;
Title:
The firing tests were made
at the White Sands Proving
Ground, New Mexico, during
the period September 26 to
October 25, 1945.
---
pan of White Sands; aerial of White Sands;
Title:
Four booster-alone rounds were
fired to check the launcher and
to check radar tracking equipment.
The boosters reached an altitude
of approximately 14,000 ft.
---
firings;
Title:
Two dummy WAC CORPORAL
rounds were fired to check
launching technique and booster-
missile separation after launching.
The dummy rounds reached
an altitude of approximately 7,500 ft.

C/U of missile; launch; missile falling to ground;
Title:
Two partial propellant charge
WAC CORPORAL rounds were
fired to proof test the rocket
propulsion system. These rounds
reached an altitude of approx-
imately 25,000 ft.
---
firing; men by small crater looking at pieces;
Title:
Six full propellant charge WAC
CORPORAL rounds were fired.
Radio sonde sets were installed in
the nose of 5 rounds. The nose
release mechanism functioned only
on 3 rounds. Design modifications
are being made to improve the

release mechanism.

The missile was serviced with
propellant in the launcher.
---
men working on cables or hoses; man adjusting thins on the
launcher and equipment truck; launch; launch; launch
tracking with smoke trail;
Title:
Satisfactory flight data were obtained
by radar tracking on the last round
which was fired at night.
The results were as follows:
Maximum altitude reached 235,000 ft
Maximum velocity at end of burning
(at 80,000 ft) 3,100 ft/sec
---
night launch; group of men examining the wreckage of a
missile;
THE END
Audience: Gen. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Silent 2: Silent Cross Ref: JPL-510 Rowe#76
16mm color film transfer made 7/24/06 by FotoKem.
08/28/2006 - 0:07:19 Producer: Emerson (SB)

AVC-2006-153-1/1 **NASA/NOAA Data Indicate Ozone Layer Is Recovering - Video File**
Animation of monthly average ozone levels as detected by
NASA's Total Ozone Mapping Spectro-
meter (Jan '79-Aug '03). Interview excerpts: Dr. Ross
Salawitch, Sr. Research Scientist, JPL. Animations of HALOE,
TOMS, SAGE II and SBUV instruments and some of their data.
HALOE = Halogen Occultation Experiment on NASA's Upper
Atmosphere Research Satellite
TOMS = Total Ozone Mapping Spectrometer on NASA/NOAA
Nimbus-7 spacecraft
SAGE = Stratospheric Aerosol and Gas Experiment on NASA's
Earth Radiation Budget Satellite
SBUV= Solar Backscatter Ultraviolet on NASA/NOAA Nimbus 7
spacecraft
Audience: News
Client: Buis
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/29/2006 - 0:06:24 Producer: Kline

AVC-2006-157-1/1 **NASA Rover Nears Martian Bowl Goal - Video File MER**
Mars Exploration Rover Opportunity is nearly at
half-mile wide Victoria Crater. 1. Anim. of 3D model of
Victoria Crater. 2. Intvu: Dr. John Grotzinger, MER team,
Caltech. 3. Animated map tracing rover's 5.6-mile trek so
far. 4. Still showing relative sizes of major craters
visited.
Relative sizes are shown for:
Eagle Crater (in which Opportunity landed)
Endurance Crater
Victoria Crater
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/09/2006 - 0:07:31 Producer: Kline

AVC-2006-158-1/1 **NASA's Mars Reconnaissance Orbiter Reaches Planned Flight Path-VF MRO**

Animations: deployment of antenna for the Shallow Subsurface
Radar instrument and removal of lens cover of the Compact
Reconnaissance Imaging Spectrometer for Mars instrument.
Interviews with Dr. Roberto Seu, PI/the radar & Dr. Scott
Murchie, Johns Hopkins APL, PI/the spectrometer.
Dr. Roberto Seu
University of Rome La Sapienza
Principal Investigator for Shallow Subsurface Radar
Dr. Scott Murchie
Johns Hopkins University Applied Physics Laboratory
Principal Investigator for Compact Reconnaissance Imaging
Spectrometer for Mars
For more info:
www.nasa.gov/mro
http://marsprogram.jpl.nasa.gov/mro
Audience: News Resource
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/11/2006 - 0:06:05 Producer: Kline

AVC-2006-159-1/1 **NASA Sees Rapid Changes in Arctic Sea Ice - Video File**
NASA data show that Arctic perennial sea ice, which normally
survives the summer melt and remains year-round, shrunk
abruptly by 14 percent between 2004 and 2005. Year-long
models of sea ice retreat was obtained from data taken from

NASA's Quikscat satellite.
Audience: News Resource Site: JPL
Client: NASA TV/Hill/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/12/2006 - 0:05:55 Producer: Savona

AVC-2006-160-1/1 **von Kármán Lecture Series: Beyond Pluto - The Discovery of 2003 UB313**

Presented by Dr. Michael Brown, Professor of Planetary Astronomy at Cal Tech. Dr. Brown discusses the discovery of 2003 UB 313, an object larger than Pluto with an orbit at least twice as large, the new definition of a planet and how it will affect bodies found in space.
Audience: Gen. Site: von Kármán Aud.
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/14/2006 - 1:21:42 Producer: Hardine

AVC-2006-163-1/1 **Short-Term Ocean Cooling Suggests Global Warming - Video File**
The average temperature of the upper portion of the oceans has cooled since 2003, but that doesn't mean global warming has been put in reverse -- it may have just encountered a 'speed bump'. New research suggests that warming trends are not always steady in their effects on temperatures.
Audience: News Resource Site: JPL
Client: NASA TV/Buis/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/19/2006 - 0:08:04 Producer: Savona

AVC-2006-164-1/1 **NASA Study...Transport of Air Pollution - Video File**
A NASA and university study of ozone and carbon monoxide pollution in Earth's atmosphere is providing insights into the sources and how the chemicals are transported around the world. Researchers used observations from space to differentiate between human & natural activity.
Audience: News Resource Site: JPL
Client: NASA TV/Buis/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/19/2006 - 0:08:02 Producer: Savona

AVC-2006-165-1/1 **Ground-Piercing Radar on NASA Mars Orbiter Ready for Work - MRO VFile**

1. Members of international radar team react to data from 1st test of the entire instrument's proper functioning in Mars orbit. 2. Interview:
Dr. Roger Phillips, Washington U/St. Louis, Dep. Team Leader, Shallow Subsurface Radar. 3. Animation: radar antenna deploys.
Audience: News Resource
Client: G. Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/19/2006 - 0:05:52 Producer: Kline

AVC-2006-166-1/1 **Saturn Images Reveal New Ring and Other Features - Video File Cassini**

1. Image of newly-discovered ring of Saturn.
2. Diffuse E ring with Saturn's moon Enceladus right in the middle of it.
3. Color image of Earth and Earth's moon taken by Cassini at Saturn.
4. Animation of Cassini spacecraft at Saturn.
Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
09/19/2006 - 0:03:23 Producer: Kline

AVC-2006-168-1/1 **NASA Study Tracks Global Sources, Transport of Air Pollution - TES VF**

Data from the Tropospheric Emission Spectrometer (TES) on NASA's Aura satellite. Animations: Aura satellite, high levels of ozone and CO in S. hemisphere, TES vertical profiles. Video: air pollution. Interview Dr. Kevin Bowman, JPL.
Audience: News Resource
Client: Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/22/2006 - 0:08:12 Producer: Savona/Kline

AVC-2006-169-1/1 **Cassini At Saturn Update - Pilot Web Production**

Candice Hansen, Discipline Scientist for Cassini, reports on the latest flyby of Titan, Saturn's largest moon. The first in a series of updates of the Cassini spacecraft at Saturn. Produced strictly for the web.
Audience: Gen. Site: JPL
Client: Veronica McGregor

Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/25/2006 - 0:01:25 Producer: Hill/Savona

AVC-2006-170-1/1 **Project Voyager: To the Giant Planets**
A public release film describing "MJS'77," the Voyager Project, as it began. Showing Voyager in construction at JPL. The science experiments are described and the parts of the craft are shown. Wire-frame computer animation depicts the flight parts of Voyagers One and Two to Jupiter and Saturn and their moons and possibly on to Neptune.
Credits: John Gregoire, Bill Rowe, Charley Kohlhase, Sylvia Von Dillen, Paul Penzo, Jim Wilson.
Audience: Gen. Resource
Client: B. Baggett, Org. 1800
Master: DVCPro50 Submaster: DVD
Audio 1: Mono mix 2: Mono mix Cross Ref: JPL 1053 R#60
16mm color film transfer made 7/24/06 by FotoKem.
04/08/1977 - 0:15:09 Producer: JPL Photo Lab

AVC-2006-172-1/1 **Smart Art: Imaging the Cosmos Super Spotlight**
September 2006 "Super Spotlight" produced for the web. This month features the Spitzer Space Telescope and the Galaxy Evolution Explorer. Dr. Robert Hurt uses his computer to shift things that are invisible to our eyes and makes them visible.
Audience: Gen. Edu. Site: JPL
Client: Media Relations/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/02/2006 - 0:03:32 Producer: Savona

AVC-2006-174-1/1 **VIDEO FILE: NASA's New Mars Camera Gives Dramatic View of Planet**
The highest resolution camera ever to orbit Mars has begun taking low altitude images from the Mars Reconnaissance Orbiter over Valles Marineris. Project scientist Dr. Rich Zurek explains the testing of this camera and other instruments aboard the spacecraft.
Audience: News Resource
Client: NASA TV/Webster
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/02/2006 - 0:13:59 Producer: Doherty

AVC-2006-175-1/1 **Solar System Mission Montage -- Looping DVD -- 16x9 FORMAT**

Animations and imagery from Stardust, Mars Exploration Rovers, Deep Impact, JUNO, Mars Reconnaissance Orbiter, "Best of NASA Science 2005" (AVC-2006-023), Saturn's moons in motion (AVC-2006-108), and Spitzer Space Telescope. *** 16x9 FORMAT *** Some animations are silent.
Audience: Gen.
Client: Wessen
Master: DVD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/04/2006 - 0:21:25 Producer: Kline

AVC-2006-176-1/1 **Mars Press Briefing 10/6/2006 8am PST**
Panelists: Doug McCuistion, Director of Mars Exploration Program, NASA HQ; Steve Squyres, Principle Investigator, Cornell University; Jim Bell, Lead Scientist, Rover panoramic camera, Cornell University. Discussed are the new pictures from "Opportunity" and next phase work.
Audience: Gen. News Resource Site: NASA HQ
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/06/2006 - 0:53:00 Producer: NASA HQ

AVC-2006-180-1/1 **NASA Finds Saturn's Moons May Be Creating New Rings - VFile Cassini**
Images: 165-image mosaic of backlit Saturn, previously unknown faint ring, two new ringlets within the Cassini Division. Movie: a bright arc on the inner edge of Saturn's G ring. Animation: Cassini spacecraft in orbit around Saturn.
Audience: News Resource
Client: Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: MOS 2: MOS
10/10/2006 - 0:03:35 Producer: Kline

AVC-2006-181-1/1 **NASA's Spitzer Sees Day and Night on Exotic World - Video File**
NASA's Spitzer Space Telescope has taken the first-ever measurements of the day & night temperatures of a planet outside our solar system. Image: artist's concept of star & planet. Animation: planet revolving around star, with and without data superimposed. Includes Spitzer spacecraft.
Audience: News Resource
Client: Hill/Clavin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: MOS 2: MOS

10/11/2006 - 0:03:30 Producer: Kline

AVC-2006-183-1/1 **von Kármán Lecture- Looking for Life in All the Strange Places,...**
Lecture Series - "Looking for Life in All the Strange Places, With all the Right Tools"
Presented by Dr. Timothy Krabach, manager of the JPL Life Detection Science & Technology program office.
Audience: Gen. Site: von Kármán Aud.
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/12/2006 - 1:08:22 Producer: Hardine

AVC-2006-185-1/1 **Mars Reconnaissance Orbiter Early Images Briefing**
Moderator: Natalie Godwin, Media Relations Rep.
Dr. Steve Saunders-Program Scientist, Mars Reconnaissance Orbiter/NASA HQ
Dr. Scott Murchie-Principal Investigator, Compact Reconnaissance Imaging Spectrometer for Mars/John Hopkins University Applied Physics Laboratory in Laurel, MD.
Dr. Alfred McEwen-Principal Investigator, High Resolution Imaging Science Experiment/University of Arizona, Tucson
Dr. Rich Zurek-Project Scientist, Mars Reconnaissance Orbiter/JPL
Jim Graf-Project Manager, Mars Reconnaissance Orbiter/JPL
Audience: News Resource Site: von Kármán Aud
Client: Guy Webster, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/16/2006 - 1:01:00 Producer: Savona

AVC-2006-190-1/1 **The Rocketmen - 70th Anniversary Super Spotlight**
The story of the men who did the first rocket engine experiments that led ultimately to the creation of JPL. Includes audio interview excerpts of Frank Malina, one of the men, who later became JPL's first Executive Director.
Audience: Gen. Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/24/2006 - 0:03:20 Producer: Kline

AVC-2006-192-1/1 **CMA: "A Technologist in Wonderland" - Dr. Paul Dimotakis**
A Caltech Management Association (CMA) presentation. JPL Chief Technologist, Dr. Paul Dimotakis shares his impressions and vision for JPL's science and technology

activities and his hopes for bringing the Laboratory and Campus closer together in the future.
As an ancient Greek philosopher noted, "Everything flows. Twice in the same river you could not enter." To illustrate that the only constant is change, consider the dynamic activities and influences at JPL: the continuing scientific results yielded by past missions, the Laboratory's recent achievements in flight projects and space exploration, its ever-increasing capabilities that promise and exciting future, and the evolving NASA and world environments.
Audience: Gen. Site: von Kármán Aud.
Client: Randii Wessen
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/25/2006 - 1:11:28 Producer: Savona

AVC-2006-193-1/1 **Cassini at Saturn Update Web Production Compilation**
Produced for the Web. The Cassini spacecraft has been touring the Saturnian system for over two years. Project member Todd Barber gives us an update of the spacecraft's latest images and the most recent discoveries.
(FUTURE UPDATES TO BE EDITED TO THIS TAPE)
Audience: Gen.
Client: Media Relations
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
Future compilation of six months of updates
10/25/2006 - 0:01:38 Producer: Hill/Savona

AVC-2006-196-1/1 **NASA Post Panorama to Celebrate Rover's 1000th Martian Day**
NASA's Mars Exploration Rover Spirit finishes its 1000th Martian day on October 26, continuing a mission originally planned for 90 Martian days. A color 360 degree panorama shows the rugged surroundings.
Interview: Dr. John Callas
B-Roll: Pans of McMurdo panorama
Audience: Gen. News Resource
Client: G. Webster
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/26/2006 - 0:06:48 Producer: J. Doherty

AVC-2006-197-1/1 **NASA's Spitzer Space Telescope: Galactic Ghost Buster - Web Video**
Jet Propulsion Laboratory's Spitzer Space Telescope reveals galactic forms evocative
of Halloween nights: ghouls, ghosts and long-legged beasts.

The telescope uses infrared imaging to see through clouds of dust and gas.
Produced for the Web.
Audience: Gen.
Client: Media Relations
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/30/2006 - 0:03:02 Producer: Savona/Hill

AVC-2006-200-1/1 **Spitzer and Hubble Create Colorful Masterpiece - Video File**
A visible light/ultraviolet light image of the Orion nebula made by the Hubble Space Telescope is seen with an infrared image of the same area made by the Spitzer Space Telescope. The images are blended to create a rich, colorful image.
Animation: the Spitzer Space Telescope.
Audience: News Resource
Client: Clavin/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: MOS 2: MOS
11/06/2006 - 0:02:53 Producer: Kline

AVC-2006-203-1/1 **NASA Sees into the Eye of a Monster Storm on Saturn - Cassini VidFile**
Movie of a hurricane-like storm at Saturn's south pole with a well-developed eye ringed by towering clouds, made from images from Cassini spacecraft.
Animation: Cassini spacecraft at Saturn.
Audience: News Resource
Client: Martinez
Master: DVCPro25 Submaster: DVCPro25
Audio 1: MOS 2: MOS
11/09/2006 - 0:03:20 Producer: Doherty

AVC-2006-207-1/1 **von Kármán Lecture Series- "Black Holes in the Universe"**
A marvelous presentation by Dr. Curt Cutler, Senior Research Scientist for the Relativistic Astrophysics Group, laced with humor and wry observations. Dr. Cutler provided a great overview of Black Holes, and many questions followed the presentation.
Audience: Gen. Site: von Kármán Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/16/2006 - 1:30:00 Producer: Hardine

AVC-2006-208-1/1 **NASA's Mars Global Surveyor May Be at the End of Long Life-VideoFile**

Audience: News
Client: NASA TV/ Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/14/2006 - 0:09:19 Producer: Ford

AVC-2006-212-1/1 **Saturn Essay #4 - Cassini Mission Stills with Music**
Cassini images with titles of Saturn and its moons taken in 2006 for presentation at AGU in San Francisco.
Audience: Gen.
Client: Wessen/Piazza
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/04/2006 - 0:03:19 Producer: Savona

AVC-2006-213-1/1 **Lunar Architecture News Conference**
NASA unveiled the initial elements of the Global Exploration Strategy and a proposed U.S. lunar architecture, two critical tools for achieving the nation's vision of returning humans to the moon.
Participants:
Shana Dale, NASA Deputy Administrator;
Doug Cooke, deputy associate administrator, Exploration Systems Directorate;
Scott Horowitz, NASA associate administrator for the Exploration Systems Mission Directorate.
Audience: News Site: JSC
Client: B. Baggett, Org. 18
Master: DVD
Audio 1: Mono mix 2: Mono mix
12/04/2006 - 0:57:00 Producer: JSC (SB)

AVC-2006-214-1/1 **NASA's Mars Global Surveyor Images Suggest Water Still Flows on MarsVF**
Before & after images of two gullies on Mars. Images of new impact craters. Interview excerpts: Dr. Mike Malin, Principal Investigator, Mars Orbiter Camera, & Dr. Kenneth Edgett, MGS Imaging Team Member, both of Malin Space Science Systems. Animation of Mars Global Surveyor spacecraft.
Audience: News Resource
Client: Hill/Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/04/2006 - 0:09:34 Producer: Kline

AVC-2006-216-1/1 **NASA's Mars Orbiter Photographs Rovers and Viking Landers- Video File**

Images from NASA's Mars Reconnaissance Orbiter show three additional spacecraft that have landed on Mars: Spirit, Viking 1 Lander, and Viking 2 Lander. These images provide scientists with valuable high resolution information about the surrounding terrain at each site.
Audience: News Resource
Client: Agle
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/05/2006 - 0:03:39 Producer: Doherty/Ford

AVC-2006-217-1/1 **Mars Discoveries: Liquid Water & Impact Craters - Web Video**

Dr. Mike Malin & Dr. Ken Edgett of Malin Space Science Systems describe the discoveries. Before & after images of the Martian surface and of the location of the new craters. Animation of Mars Global Surveyor spacecraft, whose images made the discoveries possible.
Audience: JPL
Client: Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/06/2006 - 0:03:19 Producer: Kline

AVC-2006-218-1/1 **Mars Global Surveyor Science Update**

They announced newly found water channels and recent metor craters.
Panelists: Dr. Michael Meyer-Lead scientist, Mars Exploration Program, NASA HQ.
Dr. Michael Malin-Pres. and chief scientist, Malin Space Science Systems, San Diego, Calif.
Dr. Kennth Edgett-Scientist, Malin Space Science Systems
Dr. Philip Christensen-Professor, Arizona State University, Tempe, Ariz.
Audience: News Resource Site: NASA HQ
Client: NASA HQ
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/06/2006 - 1:01:00 Producer: HQ (Hanchett)

AVC-2006-219-1/1 **NASA's GALEX Spacecraft Sees Black Hole Munch on a Star -Video File**

A giant black hole has been caught red-handed dipping into a cosmic cookie jar of stars by NASA's GALEX spacecraft. This is the first time astronomers have been able to watch the

whole process of a black hole eating a star, from its first to nearly final bites.
Audience: News Resource
Client: Hill/Clavin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/04/2006 - 0:06:39 Producer: Ford

AVC-2006-220-1/1 **Von Kármán Lecture Series- Mars Reconnaissance Orbiter**
JPL's Mars Reconnaissance Orbiter Deputy Project Scientist, Dr. Suzanne Smrekar discussed the Mission of the MRO spacecraft.
Following orbit insertion in March 2006 and a six-month aerobraking campaign, the Mars Reconnaissance Orbiter (MRO) will have begun an intensive period of science observations lasting two years in a low-altitude, near-circular science orbit. The MRO spacecraft carries a sophisticated suite of instruments whose higher spatial resolutions, extended coverage at current best resolutions, improved signal-to-noise, and complementary exploitation of different parts of the electromagnetic spectrum will provide a wealth of new detail to address many questions of how the Martian climate has changed over time. Of particular interest are the implications of that change for our understanding of the planetary surface and atmosphere that we see today, the role of water during different epochs, and for the habitability of the planet, past or future. The ability of MRO to deploy and operate these instruments in their various observing modes, to coordinate their imaging, and to return the order of magnitude more data that they will generate will enable-as its name implies-a thorough reconnaissance of the planet and a storehouse of data that will be mined for years to come.
Audience: Gen. Site: von Kármán Aud
Client: Public Services, Org. 1840
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/07/2006 - 1:07:23 Producer: Hardine

AVC-2006-221-1/1 **NASA's Spacecraft...Clues to Changes on Mars - Video File**
Layers on Mars are yielding history lessons mined by instruments flying overhead and rolling across the surface. New images from NASA's Mars Reconnaissance Orbiter and the Mars Exploration Rover Opportunity are telling the tale.
Audience: News Resource
Client: NASA TV/Webster

Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/12/2006 - 0:09:22 Producer: Savona

AVC-2006-222-1/1 **NASA's Spitzer Picks up Glow of Universe's First Objects-Video file**
New observations suggest that infrared light detected in a prior study originated from clumps of the very first objects of the universe. Recent data indicate this patchy light splattered across the sky comes from clusters of bright object more than 13 billion light-years away.
Audience: News Resource
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/14/2006 - 0:06:18 Producer: Ford

AVC-2006-224-1/1 **Molecule Max Presents: The Water Cycle**
Combined live action and computer animated story starring a 1950's animated science teacher and a present day JPL atmosphereic scientist. It's a fun look at the difference between our understanding of the hydrologic cycle from the 1950's and 2006. The effects of global warming are highlighted.
Audience: Gen. Edu.
Client: Hussey
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/21/2006 - 0:04:58 Producer: New Wave Entertainme

AVC-2006-227-1/1 **Deep Impact to a Comet - Video Resources**
2 DVD versions each (with or without captions) of 1) Deep Impact: Your First Look inside a Comet - 9:57 2) Deep Impact: Mission to a Comet - 9:39
Also included: 640x480 video data files in .avi, .mov, .mp4 and .wmv formats of the two programs plus a "Clip Reel" - 17:18
Audience: Resource
Client: Maura Roundtree
Master: DVD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/29/2006 - 0:39:12 Producer: Kline/Savona

AVC-2007-001-1/1 **NASA's Mars Team Teaches Old Rovers New Tricks to Kick Off Year 4 -VF**
Animated route of Spirit's exploration. Pan of "Columbia Hills". Movies of Martian dust devils. Compilation of

Spirit's launch and landing.
Animated route of Opportunity's exploration. Zoom to Opportunity at Victoria Crater. Interview:
Scott Maxwell, Rover Planner, JPL.
Audience: News Resource
Client: Hill/Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/02/2007 - 0:08:46 Producer: Kline

AVC-2007-002-1/1 **3 Years on Mars: Spirit**
Overview of Mars Exploration Rover Spirit's first two years on Mars, and the story of the dramatic race to her winter resting place during year three. Interviews with John Callas, Scott Maxwell, Ashitey Trebi-Ollennu and Chris Leger.
Audience: Gen.
Client: Super Spotlight
Master: DVCProHD Submaster: DVCPro25
Audio 1: Stereo 2: Stereo
01/04/2007 - 0:03:33 Producer: Hill/Doherty

AVC-2007-003-1/1 **Space Pillars Feel the Heat of Star's Explosion - Video File**
The three iconic space pillars photographed by NASA's Hubble Space Telescope might have met their demise, according to new evidence from NASA's Spitzer Space Telescope. Speculation is that a shock wave from the explosion of a star could have toppled the dust towers about 6,000 years ago.
Audience: News Resource Site: JPL
Client: NASA TV/Clavin/Hill
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/05/2007 - 0:03:28 Producer: Savona

AVC-2007-004-1/1 **NASA Project Management Challenge 2007 Video - Interviews for JSC**
Jim Graf, Bob Mitchell & Brian Wilcox answer 10 questions submitted by JSC. Relevant B-roll is included for each.
Audience: Resource
Client: JSC
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
01/10/2006 - 0:40:48 Producer: Kline

AVC-2007-007-1/1 **Molecule Max Presents: The Water Cycle - Web Version**
Live action/computer animated story starring a 1950's

animated science teacher and a present day JPL atmospheric scientist looks at the difference between our understanding of the hydrologic cycle from the 1950's and 2006. Effects of global warming highlighted. Special Web Title card.
Audience: Gen.
Client: Hussey
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/22/2007 - 0:04:56 Producer: New Wave Entrtainmt

AVC-2007-009-1/1 **2005 Sun-Earth Science Compilation**
A Compilation of animation, video and images regarding the Sun and its interaction with the 3rd rock from it.
Audience: Resource Site: NASA HQ
Client: DC Agle
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
01/23/2007 - 1:29:00 Producer: NASA HQ

AVC-2007-010-1/1 **Mars Global Surveyor: A Decade of Discovery**
Images and music highlight the accomplishments of the Mars Global Surveyor.
Audience: JPL News
Client: Mars Outreach
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/23/2007 - 0:04:55 Producer: Hulme

AVC-2007-013-1/1 **3 Years on Mars: Opportunity**
Overview of Mars Exploration Rover Opportunity's first three years on Mars: overcoming obstacles; and the story of its journey to the promise land, Victoria Crater, 6 kilometers to the south. Interviews with John Callas, Emily Eelkema, Scott Maxwell and Albert Haldemann.
Audience: Gen.
Client: Media Relations
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Edited in High Definition (720p)
01/24/2007 - 0:03:34 Producer: Hill/Savona

AVC-2007-014-1/1 **von Kármán Lecture Series-Two Thousand Sunsets on Mars**
Presented by Dr. Bruce Banerdt, MER Project Scientist, this is a marvelous overview of the Rover Mission and a fascinating look at many of the images and geological data sent back to earth by Spirit and Opportunity.

Audience: Gen. Site: von Kármán Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/26/2007 - 1:28:40 Producer: Hardine

AVC-2007-019-1/1 **NASA FY 2008 Budget Briefing**
NASA Administrator, Michael Griffin discussed the upcoming budget from the President for the entire federal government. He said there was a 3.1 percent increase which demonstrates commitment to our nation's leadership in space and aeronautics research.
Audience: NASA Site: NASA HQ
Client: NASA HQ
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/05/2007 - 0:58:41 Producer: NASA HQ

AVC-2007-022-1/1 **CSI: Comet/Asteroid Scene Investigation**
Don Yeomans and Paul Chodas of the Near Earth Objects office describe the events that took place in December 2004 when data suggested asteroid Apophis would impact Earth in 2024.
Audience: Gen.
Client: Super Spotlight Web Video
Master: DVCProHD Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
Produced as Super Spotlight web video
02/06/2007 - 0:03:03 Producer: Hill/Doherty

AVC-2007-023-1/1 **NASA Press Briefing regarding Astronaut Lisa Nowak**
Moderator: David Mould-NASA HQ Public Affairs; NASA's Deputy Administrator-Shana Dale; NASA's General Council-Mike Wally; NASA's Chief Health & Medical Officer-Richard S. Williams; JSC's Deputy Dir. & NASA Astronaut Bob Cabana; Dr. Jeff Davis-Dir. of Space Life Sciences, NASA and Jim Rastahar-NASA HQ. Public Affairs NASA held this briefing to address general questions from media concerning astronauts, their selection and screening, flight training and other matters.
Audience: NASA Site: NASA HQ
Client: NASA HQ
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
02/07/2007 - 1:05:00 Producer: NASA HQ

AVC-2007-026-1/1 **NASA's Spitzer Sees Comets Clash at Heart of Helix Nebula - VideoFile**

The Spitzer Space Telescope made this image of the glow of a dusty disk surrounding a star at the center of the Helix Nebula. The dust is the result of collisions among comets. The nebula is seen in infrared. Includes animation of Spitzer Space Telescope in orbit.
Audience: News Resource
Client: Hill/Clavin
Master: DVCPro25
Audio 1: MOS 2: MOS
02/09/2007 - 0:03:15 Producer: Ford

AVC-2007-027-1/1 **NASA's Mars Orbiter Sees Effects of Ancient Underground Fluids - MRO/VF**

Detailed images from the High Resolution Imaging Science Experiment camera show a chemical bleaching and cementation along fractures in exposed bedrock. Interview: Dr. Chris Okubo, geologist, U. of Arizona, Tucson. Animation: Mars Reconnaissance Orbiter.
Audience: News Resource
Client: Hill/Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/12/2007 - 0:07:11 Producer: Kline

AVC-2007-029-1/1 **NASA's Spitzer First to Crack Open Light of Alien Worlds-Vidfile**

For the first time ever, NASA's Spitzer Space Telescope has captured enough light from an exoplanet, a planet outside our solar system. The landmark achievement is a key step toward being able to detect life on extrasolar planets and comes years before astronomers had expected.
Audience: News Resource
Client: Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/20/2007 - 0:07:11 Producer: Ford

AVC-2007-030-1/1 **How Sensitive Is SIM PlanetQuest?**

Animation shows the SIM spacecraft. SIM will be an optical interferometer operating in an Earth-trailing solar orbit. The spacecraft will be able to detect planets as small as Earth.
Audience: Gen. JPL
Client: Randy Jackson
Master: DVCProHD Submaster: DVCPro50
Audio 1: Music 2: Music
02/21/2007 - 0:01:30 Producer: Savona

AVC-2007-033-1/1 **Taking in the Atmosphere of Faraway Worlds - Spitzer Web Video**
Spectrum data from NASA's Spitzer Space Telescope reveals an atmosphere that may contain water on a Jupiter-like planet orbiting near a star. The new findings are explained by JPL's Mark Swain, Caltech's Carl Grillmair, and Goddard's L. Jeremy Richardson.
Audience: Gen. JPL NASA
Client: JPL/Caltech
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/21/2007 - 0:03:11 Producer: Hill/Kline/Doherty

AVC-2007-035-1/2 **NASA Explorer Schools- LEGO Robotics Competition**
SoCaNESRoC-Southern Calif NASA Explorer Schools Robotic Competition. A fast paced, fascinating look at elementary and middle school level robotic competition. Team compete against the clock with LEGO robots they have built and programmed themselves.
This tape includes the competition and commentary.
Audience: Gen. Edu. News Site: von Kármán Aud
Client: Education Outreach
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/22/2007 - 1:27:58 Producer: J. Doherty

AVC-2007-035-2/2 **NASA Explorer Schools- LEGO Robotics Competition**
SoCaNESRoC-Southern Calif NASA Explorer Schools Robotic Competition. A fast paced, fascinating look at elementary and middle school level robotic competition. This tape includes 2 speakers-Paulo Younse,Robotic Hardware Grp & Paolo Belluta, MER Planner. Following is the Awards Ceremony.
Audience: Gen. Edu. News Site: von Kármán Aud
Client: Education Outreach
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/22/2007 - 1:05:47 Producer: J. Doherty

AVC-2007-036-1/1 **von Kármán Lecture Series: The Dawn Mission to the Asteroid Belt**
The Dawn Mission to the Asteroid Belt: Coming This Summer to a Solar System Near You. Dawn Mission Project Systems Engineer Dr. Marc Rayman discussed
Dawn's planned launch in June of 2007 and how the spacecraft will orbit Ceres and Vesta, the two most massive residents of the astroid belt and among the last unexplored worlds in

the inner solar system. Remnants from the tim planets formed, Ceres and Vesta hold clues that will help scientists understand the dawn of the solar system.
Audience: Gen. Site: von Kármán Aud
Client: Public Servicesq, Org. 1840
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/22/2007 - 1:17:00 Producer: Reggie Hardine

AVC-2007-040-1/1 **Cassini Returns Never-Before-Seen Views of the Ringed Planet-VF**
NASA's Cassini spacecraft captured never before seen views of Saturn from high above and below the planet's rings. A beautiful montage of images and dramatic movie showing the rings as they appear to Cassini while it sped from south to north across the ring plane has scientist gushing.
Audience: News Resource
Client: Martinez/Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/01/2007 - 0:04:32 Producer: Ford

AVC-2007-042-1/1 **MRO Flies Over Mars Rovers' Work Sites - Video File**
NASA's twin Mars rovers, Spirit and Opportunity, are in their fourth year of operation on the Red Planet. NASA's Mars Reconnaissance Orbiter's (MRO) High Resolution Imaging system provide animation flyover views of the Columbia Hills in Gusev Crater and Victoria Crater in Meridiani.
Audience: News Resource
Client: NASA TV/Webster
Master: DVCPro50 Submaster: DVCPro25
Audio 1: Silent 2: Silent
03/13/2007 - 0:04:44 Producer: Savona

AVC-2007-046-1/1 **NASA Women's History Month: Julie Townsend - Video File**
"Generations of Women Moving History Forward" is the theme of this year's NASA Women's History Month. Systems engineer, Julie Townsend of the Jet Propulsion Laboratory is one of the tenacious and talented women of NASA. She worked on the Mars Exploration Rovers and currently ATHLETE project.
Audience: News Resource
Client: NASA TV/Godwin
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/15/2007 - 0:08:33 Producer: Savona

AVC-2007-047-1/1 **International Polar Year - Web Video - IPY**

Dr. Eric Rignot ("ree-NOE"), JPL Research Sci., Dr. Leslie Tamppari, Phoenix Project Sci. & Dr. Jim Garvin, Chief Scientist, Goddard, explain the purpose of the IPY and how it could relate to study of the poles on the moon and other planets. NOTE: Use HD version for SD dubs. Not made for HD.
Audience: Gen.
Client: Hill/Buis
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/20/2007 - 0:03:48 Producer: Kline

AVC-2007-050-1/1 **Cassini Images Seas on Titan - Video File**
Multiple instruments on NASA's Cassini spacecraft have found evidence of seas, likely filled with liquid methane or ethane, concentrated near the poles of Titan. Cassini scientist Stephen Wall explains the findings.
Audience: News
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/21/2007 - 0:07:27 Producer: Doherty

AVC-2007-051-1/1 **NASA Science Update - New Phenomena on the Sun**
Never before seen images that show the sun's magnetic are much more turbulent and dynamic than previously known. The International Spacecraft Hinode, formerly known as Solar B, took the images. This briefing and images emanated from the Marshall Spaceflight Center, Huntsville AL
Audience: JPL NASA News Site: MSFC
Client:
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/21/2007 - 1:00:00 Producer: MSFC

AVC-2007-054-1/1 **von Kármán Lecture Series- MRO: New Details of Young and Old Mars**
Dr. Sue Smrekar, Deputy Project Scientist, Mars Reconnaissance Orbiter gave an overview of early mission results, including observations of potential landing sites for Mars Science Laboratory and the Phoenix Misison.
Audience: Gen. Site: von Kármán Aud
Client: Public Services, Org. 1840
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/22/2007 - 1:15:30 Producer: Hardine

AVC-2007-055-1/1 **Cassini Images Bizarre Hexagon on Saturn - Video File**

An odd, six-sided, honeycomb-shaped feature circling the entire north pole of Saturn has captured the interest of scientists with NASA's Cassini mission. The hexagon is nearly 15,000 miles across. Nearly four Earths could fit inside of it.
Audience: News Resource
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
03/26/2007 - 0:02:54 Producer: Savona

AVC-2007-058-1/1 **Spitzer Finds Planets Thrive Around Stellar Twins - Video File**
The double sunset that Luke Skywalker gazed upon in the film "Star Wars" might not be fantasy. Astronomers using NASA's Spitzer Space Telescope have observed that planetary systems are at least as abundant in twin-star systems as they are in star systems like our own, with only one star.
NOTE: The scenes from "Star Wars: Episode IV - A New Hope" (Luke Skywalker watches the double sunset on Tatootine; One still photo of the double sunset on Tatootine) are copyrighted by Lucasfilm Ltd., used with their permission for use on the Internet and NASA TV by NASA. Further use of the material requires permission from Lucasfilm Ltd.
Audience: News Resource
Client: NASA TV/Clavin
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Includeds Lucasfilm Ltd. copyrighted material
03/29/2007 - 0:06:14 Producer: Hill/Savona

AVC-2007-062-1/1 **The Tour Designers: Charting Cassini's Next Moves - Web Video**
Cassini mission tour designers Brent Buffington, John Smith & Nathan Strange and Cassini scientist Jonathan Lunine explain the complexities of creating a route for the spacecraft on the two- year extension of its mission.
Audience: Gen.
Client: Hill/Martinez
Master: DVCProHD
Audio 1: Left 2: Right
04/05/2007 - 0:03:39 Producer: Kline

AVC-2007-064-1/1 **"Dr. Rosaly Lopes Speaks to Brazil"**
Dr. Rosaly Lopes speaks to students and teachers of Bezerros, Brazil.
(Spoken in Portuguese)
Audience: Gen. Edu.

Client: Dr. Rosaly Lopes
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/10/2007 - 0:05:28 Producer: Savona

AVC-2007-066-1/1 **von Kármán Lecture Series- "Hot Topic, Cool Science"**
Presented by Dr. Charles Miller, Deputy Principal Investigator, Orbiting Carbon Observatory (OBO). Dr. Miller discussed how Carbon Dioxide, the primary greenhouse gas effects our atmosphere and the role th OBO will play in helping us to understand the global carbon cycle.
Audience: Gen. Site: von Kármán Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/12/2007 - 1:35:10 Producer: Hardine

AVC-2007-067-1/1 **Spitzer: NASA Astronomers Map Out Planetary Danger Zones Video File**
Astronomers have laid down the cosmic equivalent of yellow "caution" tape around super hot stars, marking the zones where cooler stars are in danger of having their developing planets blasted away. Spitzer Space Telescope study, reveals the first maps of so-called planetary "danger zones".
Audience: News Resource
Client: NASA TV/Clavin/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Silent 2: Silent
04/17/2007 - 0:03:50 Producer: Savona

AVC-2007-068-1/1 **Ice Expedition: A Video Journal - web video**
JPL's Alberto Behar leads an expedition to frozen West Greenland to study the inner workings of a glacier and "moulins", wide vertical shafts created by meltwater that connect the ice surface to the flowing water beneath a glacier.
Audience: Gen.
Client: S. Watanabe
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/11/2006 - 0:02:15 Producer: Kline

AVC-2007-071-1/1 **NASA Goddard STEREO News Briefing on First 3D Images of the Sun**
Participants: Michael Kaiser-STEREO Proj. Scientist, NASA Goddard Space Flight Center; Dr. Paulett Liewer-STEREO

Project Co-Investigator, JPL; Dr. Spiro Antiochos-STEREO Project Co-Investigator, Navel Research Lab; Dr. Madhulika Guhathakurta-STEREO Program Scientist, NASA Headquarters. Showed first 3D images from the Sun by: Dr. Eric De Jong-Solar System Visualization/STEREO Co-Investigator, JPL; Dr. Jean-Pierre Wuelser-STEREO Co-Investigator, Lockheed Martin, Palo Alto, California
Audience: News Resource Site: NASA Goddard
Client: DC Agle
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/23/2007 - 0:40:00 Producer: Goddard

AVC-2007-083-1/1 **NASA's Spitzer Finds Hottest Planet...Exoplanet - Video File**
NASA's Spitzer Space Telescope has learned what the weather is like on two exotic worlds very far away from our own. One team of astronomers used the infrared telescope to create the first-ever atmosphere map of a distant planet, a gas giant called HD 189733b.
Audience: News Resource
Client: NASA TV/Clavis/Hill
Master: DVCProHD Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/09/2007 - 0:06:47 Producer: Savona

AVC-2007-084-1/1 **von Kármán Lecture Series- "The Search for Earth-like Planets:...**
"The Search for Earth-like Planets: Looking for Signs of Life" Presented by Dr. Victoria Meadows, Principal Investigator, Virtual Planetary Laboratory, Spitzer Science Center, CalTech.
Audience: Gen. Site: von Kármán Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/10/2007 - 1:11:20 Producer: Hardine

AVC-2007-086-1/1 **NASA QuikScat Finds Region of Antarctica Melted - Video File**
Extensive regions of snow in west Antarctica melted in response to warm temperatures there in January 2005, according to a new study of satellite data by NASA and university scientists. They used data from NASA's QuikScat satellite.
Audience: News Resource
Client: NASA TV/Buis/Hill
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix

05/15/2007 - 0:05:10 Producer: Savona

AVC-2007-088-1/1 **Earth Open House Video Compilation for 2007**
West Antarctica melting ice sheet story; 2005 animation of hurricane seasons from QuikScat data; TES Instrument onboard Aura Spacecraft; Aura MLS animation of Ozone; INSAR video; Earth Observation Summit video and The Water Cycle with Molecule Max
Audience: Edu. Resource
Client: Karen Yuen
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/18/2007 - 0:24:40 Producer: Savona

AVC-2007-089-1/1 **Cassini Rings in the New Year**
Slide show set to music of 2006's best Saturnian rings images taken by the Cassini spacecraft.
Audience: Gen.
Client: Wessen
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/18/2007 - 0:04:47 Producer: Doherty

AVC-2007-093-1/1 **The Search for Spock's Planet - Web Video - Vulcan103141**
Dr. Jo Pitesky narrates an animation describing the discovery of a planet similar to the fictitious planet "Vulcan," home to the character Mr. Spock in the original STAR TREK TV series.
Audience: Gen.
Client: Randy Jackson
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/18/2007 - 0:00:40 Producer: Kline

AVC-2007-103-1/1 **NASA's Dawn Spacecraft to Go to Asteroids - Video File**
Dawn will orbit asteroid Vesta and dwarf planet Ceres. Spacecraft in clean room. Animations: mission, asteroids form asteroid belt, trajectory. Stills of Vesta and Ceres. Intvus: Chris Russell, Principal Investigator (PI); Carol Raymond, Deputy PI; Marc Rayman, Project Systems Engineer.
Audience: JPL NASA News
Client: Agle/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/12/2007 - 0:09:52 Producer: Kline

AVC-2007-106-1/1 **Dawn - A Mission to Two Asteroids - Web Video**
Actor Leonard Nimoy describes the Dawn mission to asteroid Vesta and dwarf planet Ceres. Comments from Chris Russell, Principal Investigator (PI); Carol Raymond, Deputy PI; Marc Rayman, Project Systems Engineer. Includes animations of mission events and asteroid belt.
Audience: JPL
Client: Agle/Hill
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/18/2007 - 0:03:20 Producer: Kline

AVC-2007-115-1/1 **von Kármán Lecture Series-"Phoenix:Science & Weather Station on Mars"**
Presented by Dr. Michael Hecht, Co-Investigator and MECA Lead on the Phoenix Mission, this is a fascinating overview of the Phoenix Lander Mission,scheduled to launch in August of 2007, and land at the North Pole of Mars in May, 2008.
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/21/2007 - 1:13:10 Producer: Kennedy

AVC-2007-122-1/1 **Mars Phoenix Animation with Sound Effects**
Launch animation from Eric de Jong group.
At-Mars animation from Maas Digital.
Audience: JPL NASA News
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/05/2007 - 0:09:30 Producer: Kline

AVC-2007-123-1/1 **NASA Readies Mars Lander for August Launch to Icy Site - VF Phoenix**
Animation of Phoenix Mars Lander mission. B-roll of spacecraft construction and testing. Interviews with Barry Goldstein, Phoenix Project Manager/JPL and Peter Smith, Phoenix Principal Investigator, University of Arizona, Tucson.
Audience:
Client: Webster/Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/05/2007 - 0:11:23 Producer: Kline

AVC-2007-132-1/1 **von Kármán Lecture Series - "The International Geophysical Year"**

" Igniting a Revolution in American Science. Launching Science into Space" presented by Dr. Erik Conway, the JPL Historian. He discusses the International Geophysical Year initiated in 1957, with the first space-science launch.
Audience: JPL Site: von Kármán
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/19/2007 - 1:25:44 Producer: Hardine

AVC-2007-150-1/1 **Challenges of Getting to Mars: Transporting Phoenix Lander for Launch**

A chronicle of the delicate procedure of moving the immense Phoenix Mars Lander across the country to Kennedy Space Center for launch.
1. Complete audio mix (4:16)
2. Voice and nat sound only, no music (4:16)
Audience:
Client: Mars
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/14/2007 - 0:08:52 Producer: Tozzi

AVC-2007-154-1/1 **Voyager: Inspiring Generations - 30th Anniversary Web Video**
Ed Stone, Project Scientist, and John Casani, former Proj. Mgr., talk about the mission. Also: Tracy Drain, Lead Systems Engineer for Mars Recon- naissance Orbiter, and Mars Exploration Rover driver Scott Maxwell, who as children were inspired by Voyager to work in the space program.
Audience: Gen. JPL NASA
Client: Hill
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/21/2007 - 0:03:21 Producer: Kline

AVC-2007-162-1/1 **As Martian Skies Brighten, Rovers Roll...Video File**
NASA's Mars Exploration Rover Opportunity prepares to drive into Victoria Crater. Spirit, has climbed onto a long-term destination plateau called "Home Plate".
Animation rover in crater; Pan of crater; image of Home Plate(PIA9088) and interview with John Callas
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/06/2007 - 0:05:55 Producer: Savona

AVC-2007-165-1/1 **Cassini Flies by Saturn's Moon Iapetus...Video File**
The Cassini spacecraft's only close flyby of Saturn's odd, two-toned moon Iapetus on Sept. 10, 2007, is providing some never-before-seen views of the walnut-shaped moon. Included: Raw images and animation of Cassini flying by Saturn's moon Iapetus & interview with Torrence Johnson
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Martinez
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/13/2007 - 0:06:04 Producer: Savona

AVC-2007-167-1/1 **Mars Reconnaissance Orbiter:Insight into Water & Climate - VF MRO**
NASA's Mars Reconnaissance Orbiter (MRO) finds several features on Mars that address the role of water at different times in Martian history.
Includes: Flyover over gullied crater; detailed view of Martian valley; layered deposits at Martian North Pole;spacecraft animation&interview
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster/Hill
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/20/2007 - 0:21:09 Producer: Savona

AVC-2007-174-1/1 **The Big Thaw - Web Video about Arctic Ice Loss**
Son Nghiem, JPL scientist, and Gregory Neumann, JPL radar engineer, describe the possible causes and effects of dramatic shrinkage of the perennial ice cover at Earth's North Pole. Includes footage of icebreaker ship and descriptive animations.
Audience: JPL
Client: Buis/Hill
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/27/2007 - 0:03:04 Producer: Kline

AVC-2007-183-1/1 **Cassini on the Trail of a Runaway Mystery - Iapetus Video File**
Stills of Saturn's moon Iapetus made during a Cassini flyby. Interview excerpts: Amanda Hendrix, Cassini Scientist, NASA's Jet Propulsion Laboratory. Animation of the Cassini spacecraft flying by the moon Iapetus.
Audience: NASA News
Client: Martinez
Master: DVCPro50 Submaster: DVCPro50

Audio 1: Mono mix 2: Mono mix
10/04/2007 - 0:07:12 Producer: Kline

AVC-2007-185-1/1 **Cassini Provides New Views of Land of Lakes and Seas - Titan VidFile**
Movie of the Cassini spacecraft radar-mapping the north pole of Saturn's moon Titan, compiled from a year and a half of flybys. Pan and scan of composite image of the north pole. Animation of Cassini spacecraft flying by Titan.
Audience: JPL NASA News
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
10/09/2007 - 0:05:58 Producer: Kline

AVC-2007-186-1/1 **NASA's MRO Spies Future Mars Landing Site Candidates Video File**
Zoom and pan moves was created on a color image of the Nili Fossae region of Mars, taken by the high resolution camera on NASA's Mars Reconnaissance Orbiter (MRO). Included is a longer version of the zoom pan movie; animation of Mars Reconnaissance Orbiter and animation of Mars Science Laboratory.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster/Hill
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
10/11/2007 - 0:06:48 Producer: Savona

AVC-2007-187-1/1 **Candidate for a 2009 Mars Landing - Web Video**
Principal Investigator Alfred McEwen describes the Martian terrain at one of several candidate landing sites. Zoom and pan moves was created on a color image of the Nili Fossae region of Mars.
This Web video was produced from AVC-2007-186 Video File.
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/11/2007 - 0:00:56 Producer: Savona

AVC-2007-190-1/1 **von Kármán Lecture Series - Predicting Climate Change**
Predicting Climate Change: Removing the Mystery
Duane Waliser, Principal Scientist from the JPL Water and Carbon Cycles Group discuused the fundamentals and challenges associated with building climate models.
Audience: Tech. JPL Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800

Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/18/2007 - 1:30:32 Producer: Hardine

AVC-2007-193-1/1 **Backstage Pass to Iapetus - Web Video**
Images from Cassini's closest flyby of Saturn's moon Iapetus are viewed and commented on by the Cassini team as they come down from the spacecraft. A rare look at first impressions by a mission team as they view raw images.
Audience: JPL NASA
Client: Martinez/Hill
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/06/2007 - 0:03:14 Producer: Kline

AVC-2007-210-1/1 **Cassini: News from Saturn, Web Productions Compilation**
Produced for the Web. The Cassini spacecraft has been touring the Saturnian system for over two years. Project members give us an update of the spacecraft's latest images and the most recent discoveries. (last update on 2/13/08) (FUTURE UPDATES TO BE EDITED TO THIS TAPE)
Audience: Gen.
Client: Media Relations
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
Nov.,Dec., Feb.,
11/16/2007 - 0:06:00 Producer: Ford/Savona/Doherty

AVC-2007-218-1/1 **von Kármán Lecture Series - CHICOS:Detecting Ultra-High-Energy Rays**

Dr. Robert McKeown, Physicist from Caltech discussed the California High School Cosmic Ray Observatory (CHICOS) project. In the CHICOS project, schools across the Los Angeles area provide a network of detector sites and a valuable population of participating teachers and students.
Audience: Tech. JPL Site: von Kármán Aud
Client: PSO, Org. 1840
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/06/2007 - 1:12:32 Producer: Kennedy

AVC-2007-220-1/1 **Europa: Cool Destination for Life? - Web Video**
Dr. Robert Pappalardo, JPL Sr. Research Scien- tist, explains why the warm salty ocean under the surface of Jupiter's moon Europa is a likely place --other than Earth--to find life in our solar system. Animation: Europa

"flexing" due to effects of its orbit. B-roll: Cryo Ices Laboratory.
Audience: Gen. Edu. JPL NASA
Client: Hill
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/13/2007 - 0:03:43 Producer: Kline

AVC-2007-223-1/1 **Rose Parade Float Marks Half a Century of American Space Exploration**

Video file.
1. Construction
2. Test drive
3. Applying colored seeds (non-perishable)
Audience: JPL NASA News
Client: McGregor
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/20/2007 - 0:04:58 Producer: Kline

AVC-2007-224-1/1 **NASA Scientists Monitor Near Mars Asteroid - Video File**

Animation: possible paths of asteroid, pan of Mars surface. Images: Tunguska, Siberia in 1908, NASA's spacecraft currently operating at Mars. Interview: Steve Chesley, Near Earth Object Scientist, NASA's Jet Propulsion Laboratory.
Audience: JPL NASA News
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/20/2007 - 0:05:38 Producer: Kline

AVC-2007-226-1/1 **Rose Parade Float Marks Half Century of Amer.Space Exploration v2-VF**

Updated from AVC-2007-223 to include application of live plant material.
Audience: JPL NASA News
Client: Hill
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/28/2007 - 0:06:22 Producer: Kline

AVC-2008-026-1/1 **The Beatles' song "Across the Universe" sent to the cosmos**

Live to NASA television show of coverage of "Across the Universe" from JPL. The Deep Space Network sends a command that streams the Beatles'song "Across the Universe" out into the cosmos.

Audience: Gen. Site: SFOF
Client: NASA Television
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/04/2008 - 0:17:50 Producer: Baggett/Savona

AVC-2008-029-1/1 **Two (MER) Rovers: Spirit & Opportunity Web Videos**
Spirit and Opportunity: Two rovers wintering on opposite sides of Mars. The Mars Exploration Rovers (MER) have been operating on Mars for four years. Commemorating those four years on Mars are color images and pans from the rovers' remarkable journeys.
Audience: Gen.
Client: Media Relations
Master: DVCProHD Submaster: DVD
Audio 1: Music 2: Music
02/05/2008 - 0:07:20 Producer: Hill/Savona

AVC-2008-033-1/1 **NASA Views Landing Site Through Eyes of Future Moon Crew - VideoFile**

Animations: astronaut's POV of descent to lunar surface (South Pole), natural wobble in moon's rotation, lunar S. polar surface illumination over a lunar day. B-roll: Deep Space Network's 70- meter antenna. Stills: elevation & slope maps. Int'view: Scott Hensley, P.I. JPL Lunar Image Team
Audience: JPL NASA News
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/25/2008 - 0:09:00 Producer: Kline

AVC-2008-039-1/1 **Taking the Plunge: Cassini at Enceladus - Web Video**
Bob Mitchell, Cassini Program Mgr., and Cassini scientists Marcia Burton and John Spencer explain Cassini's flight path through the plumes at the south pole of Saturn's moon Enceladus. Animations and B-roll of Old Faithful Geyser.
Audience: Gen. JPL NASA
Client: Hill/Martinez
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
03/04/2008 - 0:02:17 Producer: Kline

AVC-2008-060-1/1 **Cassini Finds Ocean May Exist Beneath Titan's Crust - Video File**
Animations: internal structure of Titan, Cassini spacecraft Titan flyby. Image series shows shift in surface features which may be due to Titan's crust being decoupled

from its core by an internal ocean. Interview: Bryan Stiles, Cassini engineer, JPL.
Audience: JPL NASA News
Client: Martinez
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/20/2008 - 0:04:34 Producer: Kline

AVC-2008-062-3/1 **NASA Extends Cassini Grand Tour of Saturn - Video File**
Images & movies from Cassini, including hexagon at Saturn's N. Pole, Titan's lakes, Enceladus' geysers, Iapetus flyover. Animation of new trajec- tory. Intvus w/ Tour Designers John Smith & Brent Buffington and Cassini Scientist Jonathan Lunine. Animation of Cassini spacecraft at Saturn.
Audience: JPL NASA News
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/09/2008 - 0:09:58 Producer: Savona/Kline

AVC-2008-068-1/1 **Phoenix Animation with Sound Effects (HD) - Includes Launch**
Audience: Edu. JPL Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
04/30/2008 - 0:03:01 Producer: Scott Hulme

AVC-2008-078-1/1 **MSL Mars Science Laboratory Animation with Sound Effects**
This tape should be released instead of AVC-2006-107. A scene has been deleted.
This is to reflect changes in the plan of the mission.
Audience:
Client: JPL
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/13/2008 - 0:05:47 Producer: JPL

AVC-2008-086-1/1 **Ocean Surface Topography Mission/Jason 2 L-30 Video File**
Satellite to Track Trends in Sea Level, Climate.
The Ocean Surface Topography Mission (OSTM)/Jason 2 is undergoing final preparations for launch no earlier than June 15, 2008, from California's Vandenberg Air Force Base. Mission Animation; Arrival footage at Vandenberg;Interviews & B-roll.
Audience: Edu. Resource

Client: NASA TV/Buis
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Master is in High Def; Standard Def.,available
05/20/2008 - 0:12:00 Producer: Savona

AVC-2008-087-1/1 **Ocean Surface Topography Mission/Jason 2 Web Production**
A brief overview of the Jason 2 mission to study the world ocean circulation and its links to Earth's climate, and improve weather and climate forecasts. The mission will help scientists better monitor and understand trends in global sea level rise--an indicator of global climate change.
Audience: Gen.
Client: Media Relations
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Standard Def. version is cropped from HD version
05/20/2008 - 0:02:36 Producer: Savona/Hill

AVC-2008-090-1/1 **Phoenix L-3 Press Briefing**
Press briefing three days before landing of Phoenix on the north pole of Mars.
Audience: JPL News
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/22/2008 - 1:15:00 Producer: Savona

AVC-2008-101-1/1 **Nerves and Joy - Phoenix Landing Night Recap**
Highlights of events in Phoenix MSA during entry, descent and landing on May 25, 2008, intermixed with animation of the spacecraft events.
Audience: Gen. JPL NASA News
Client: JPL
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
05/25/2008 - 0:03:54 Producer: Tozzi

AVC-2008-118-1/1 **Sun to Set on Ulysses Solar Mission July 1 - Video File**
Animations: Ulysses in flight, trajectory, Heliosphere. Launch & deployment of Ulysses on shuttle Discovery in 1990. Sun imagery from STEREO mission. Intvus: Ed Massey, Ulysses Proj. Mgr, JPL; Ed Smith, Ulysses NASA Proj. Scientist, JPL; Nigel Arnold, Ulysses ESA Operations Mgr.
Audience: JPL NASA News
Client: Agle

Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/11/2008 - 0:10:11 Producer: Kline

AVC-2008-124-1/1 **Ocean Surface Topography Mission/Jason 2 Pre-Launch Video File**
Satellite to Track Trends in Sea Level, Climate.
The Ocean Surface Topography Mission (OSTM)/Jason 2 is undergoing final preparations for launch on June 20, 2008, from California's Vandenberg Air Force Base. Includes: Mission Animation; Arrival footage at Vandenberg; Interviews and B-roll.
Audience: News Resource
Client: NASA/TV/Buis
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/13/2008 - 0:13:08 Producer: Savona

AVC-2008-133-1/1 **von Kármán Lecture Series-"The Heliospheric Magnetic Field,...**
the Solar Wind & the Interstellar Medium." Presented by Dr. Edward J. Smith, NASA Project Scientist, Ulysses Mission, this is fascinating look at the Ulysses Mission's study of Solar Winds.
Audience: Gen. Edu. NASA Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/19/2008 - 1:20:00 Producer: Hardine

AVC-2008-143-1/1 **Phoenix Mars Lander First Image Returns Compilation**
Edited footage compilation of the Phoenix Mars Lander team in the Mission Support Area as the spacecraft sends back the first images from the north polar region of Mars. Engineers and scientists cheer and celebrate, then quickly begin to analyze the stunning photos. Shot 5/25/08. Camera: Scott Hulme/John Beck/Jill Arnold
Audience: Gen. JPL News Resource Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono
** All dubs must have timcode sync'd to master **
07/24/2008 - 0:27:40 Producer: Hulme

AVC-2008-144-1/1 **Phoenix Mars Lander Sol 1 Image Downlink Compilation**
Edited footage compilation from JPL's Multimission Image

Processing Lab as the Phoenix Mars Lander sends back its second set of photos. Team members begin processing the raw images and stitching them into panoramas and 3D environments. Shot 5/26/08. Camera: Scott Hulme
Audience: Gen. Tech. JPL News Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/24/2008 - 0:17:19 Producer: Hulme

AVC-2008-147-1/1 **von Kármán Lecture Series-Highlights of the Cassini Mission to Saturn**
Presented by Robert "Bob" Mitchell, Cassini Project Manager, this is a fascinating overview of the Cassini-Huygens Prime Mission to the Ringed Planet and its many moons.
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/24/2008 - 1:17:38 Producer: Kennedy

AVC-2008-150-1/1 **NASA Mars Phoenix Mission Success Panorama - Video File**
This view of the Martian real estate surrounding NASA's Mars Phoenix Lander is the first complete 360-degree high resolution color view around the spacecraft. Phoenix landed on May 25, 2008 in the north arctic plains of Mars. Also included is an interview with Deborah Bass & Phoenix animation.
Audience: Resource
Client: NASA TV/Hill/Webster
Master: DVCProHD Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/30/2008 - 0:07:02 Producer: Savona

AVC-2008-152-1/1 **Phoenix Press Briefing from Tucson, 7/31/08**
NASA and the University of Arizona, Tucson held a media briefing in the mission's Science Operations Center at the university. Briefing participants discussed the latest progress by NASA's Phoenix Mars Lander in exploring a site in the Martian arctic. Following its May 25 landing, Phoenix has been studying whether Mars' environment ever has been favorable for microbial life.
Participants:
Michael Meyer, Chief Scientist, Mars Exploration Program, NASA Headquarters Washington
Peter Smith, Phoenix Principal Investigator, University of Arizona, Tucson

Victoria Hipkin, Mission Scientists for Phoenix Meterorological Station, Canadian Space Agency, Saint-Hubert, Quebec
Mark Lemmon, Lead Scientist for Phoenix Surface Stereo Imager, Texas A&M University, College Station
Bill Boynton, Lead Scientist for Thermo
Audience: Tech. NASA News Site: U of Arizona
Client: Guy Webster, Org. 1871
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/31/2008 - 1:00:00 Producer: Jacobo

AVC-2008-154-1/1 **JPL Open House 2008 World Wide Wadio**
Edited segments showing 2008 Open House visitors and scientists talking about the Lab: 1."Why" 2."Mars" 3."Earth Sciences" 4."Cassini" 5."Planet Hunting"
(DVD Masters available in both Auto-Play Format and Menu Format)
Audience: Gen. Site: JPL
Client: Stephen Kulczycki, Org. 182
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/19/2008 - 0:12:43 Producer: Steve Jacobsen

AVC-2008-156-1/1 **Frontline Lecture Series-Think Differently: Serendipitous Discoveries**
Dr. Elachi describes how analysis of spaceborne radar over the last 30 years, beginning with the Seasat mission of 1978, has led to unanticipated and serendipitous discoveries in oceanography, Earth resources, hydrology, geology, planetary science and archeology.
Audience: Gen. Edu. Site: JPL
Client: Firouz Naderi
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/06/2008 - 0:50:28 Producer: Reggie Hardine

AVC-2008-157-1/1 **MRO Detects Buried Martian Glaciers - Video File**
Mars Reconnaissance Orbiter reveals water ice glaciers on lower Martian latitudes that extends for tens of miles and are 1/2 mile thick (size of Lake Huron). B-Roll: Animation; Interview: Ali Safaeinili
Audience: JPL NASA News Site: TV Studio
Client: NASA TV/Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/20/2008 - 0:04:38 Producer: Doherty

AVC-2008-160-1/1 **First Cassini Images from Latest Enceladus Flyby - Video File**
Four raw images from Cassini's Aug. 11, 2008 flyby to within 50 km (30 mi.) of Saturn's moon Enceladus. Animation: Cassini flying by Enceladus and passing through the plumes of the geysers at Enceladus' south pole.
Audience: JPL NASA News
Client: Martinez
Master: DVCPro50
Audio 1: Silent 2: Silent
08/12/2008 - 0:02:36 Producer: Kline

AVC-2008-161-1/1 **Cassini to Fly by Enceladus - Video File**
Bob Michell explains what the August 11 Cassini fly-by of Enceladus will entail. Animations and stills.
Audience:
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/05/2008 - 0:07:15 Producer: Doherty

AVC-2008-162-1/1 **"What's Up" Archive #1 - April 2007 to August 2008**
2007:
Apr - Saturn/Venus/Moon
May - Saturn/Venus/Jupiter
Jun - Venus/Jupiter/Beehive Cluster
Jul - Moon
Aug - Perseid Meteor Shower
Sep - Voyager 30th Anniv./Jup/Sat/Uran/Nep/Venus
Oct - Iapetus/Mars/Moon/Venus/Saturn/Jupiter
Nov - Mars, Mira (star)
Dec - Mars
2008
Jan - Exoplanets/55 Cancri
Feb - Lunar Eclipse/Saturn
Mar - Nebula NGC 2371/Mars/Sat/Enceladus/Phoenix
Apr - Galaxies (M81, M82, M51)/Phoenix
May - no video made
Jun - Sun/Solstice/Saturn/Mars
Jul - no video made
Aug - Jupiter viewing
Audience: Gen. JPL NASA
Client: S. Watanabe
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/14/2008 - 0:35:02 Producer: Kline/Watanabe

AVC-2008-164-1/1 **Cassini Pinpoints Source of Jets on Saturn's Moon Enceladus -VidFile**
Mosaic of Enceladus' southern region. Zoom to 3 most prominent fractures ("sulci"): Baghdad, Cairo & Damascus. Intvu: Torrence Johnson, Cassini imaging scientist. Animation: Cassini flyby of Enceladus & travelling through geyser plumes. Movie of plumes taken previously by Cassini.
Audience: JPL NASA News
Client: Martinez/Hill
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/14/2008 - 0:04:58 Producer: Kline

AVC-2008-167-1/1 **von Kármán Lecture Series-"The Ocean Surface Topography Mission"**
Following in the footsteps of the remarkable Topex/Poseidon and Jason-1 spacecrafts, the Ocean Surface Topography Mission has the responsibility of continuing one of the most important on-going chronicles of Earth's changing climate - the detailed measurements of global sea level. The spacecraft will use a JPL-built advanced microwave radiometer with state-of-the-art integrated circuit technologies along with a new, larger antenna design. These improvements have reduced its mass and power requirements and yet will provide better resolution, improved performance and reliability.
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/21/2008 - 0:58:03 Producer: Hardine

AVC-2008-184-1/1 **von Kármán Lecture Series-"The Great Southern California Shake Out"**
Presented by Dr. Lucy Jones, Chief Scientist, Multi Hazards Demonstration Project for So.Cal.This is a fascinating and sometimes terrifying look at the potential results of a magnitude 7.8 earthquake in the Southern California area.
Audience: Gen. Tech. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/25/2008 - 1:47:20 Producer: Hardine

AVC-2008-187-1/1 **Phoenix Mission Press Briefing from NASA HQ & JPL**
In what will probably be the final press briefing for the

Phoenix Mission, the lander's accomplishments were discussed by-Doug McCuistion, Mars Exploration Program Director, NASA HQ, Peter Smith, Principal Investigator, William Boynton, lead scientist, TEGA, Jim Whiteway, lead scientist, Phoenix Meterological Station, Barry Goldstein, Phoenix project manager, and Michael Hecht, lead scientist, MECA. Dwayne Brown, PAO at HQ moderated.
Audience: Gen. News Site: NASA HQ/JPL TV
Client: Media Relations
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/29/2008 - 1:15:23 Producer: Savona/Kline

AVC-2008-188-1/1 **JPL Student Internships - Victor Mejia & Gisselle Cunningham**
2008 student summer interships at JPL. Students reflect on their experiences and future goals as professionals.
Audience: JPL
Client: Rhea Borja
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/25/2008 - 0:04:14 Producer: Harris

AVC-2008-190-1/2 **Cassini-Huygens: Four Years of Discovery - Saturn Essay #6**
Best of images of Cassini's four year odyssey set to music and titles.
Audience: Gen. JPL
Client: Cassini/Hill
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/15/2008 - 0:02:21 Producer: Harris

AVC-2008-190-2/2 **Cassini-Huygens: Four Years of Discovery - Saturn Essay #6**
Best of images of Cassini's four year odyssey set to music, with titles removed.
Audience: Gen. JPL
Client: Cassini/Hill
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/06/2008 - 0:02:46 Producer: Harris

AVC-2008-195-1/1 **Giant Cyclones at Saturn's Poles Create a Swirl of Mystery - Cassini**
Video File: Time-lapse movies of clouds/cyclone at Saturn's north pole. Stills of cyclones at north and south pole, in visible & infrared light. Animation: Cassini at Saturn. Interview excerpts: Kevin Baines, Cassini Scientist, JPL.
Audience:

Client: Martinez
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/08/2008 - 0:05:29 Producer: Kline

AVC-2008-197-1/1 **NASA's AIRS Sheds Light on...Climate Change - Video File**
A NASA/university study reveals new info on how carbon dioxide contributes to climate change. Findings based on data from the Atmospheric Infrared Sounds (AIRS) on NASA's Aqua spacecraft.
Animation of carbon dioxide concentrations.
Interview with Moustafa Chahine
Audience: Resource
Client: NASA TV/Buis
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/09/2008 - 0:06:24 Producer: Harris

AVC-2008-198-1/1 **Saturn's Cyclones - Web Video**
Kevin Baines, JPL Cassini Scientist, narrates. Stills and animations of cyclones at Saturn's north and south poles.
Comparison of storms' sizes to planet Earth.
Audience: Gen. JPL NASA
Client: Carnalla/Hill
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/14/2008 - 0:01:58 Producer: Kline

AVC-2008-199-1/1 **"What's Up" Archive #2 - Sept. 2008 to Aug. 2009**
Astronomy series for the general public. A guide to naked-eye and small-telescope viewing featuring topics relevant to the month each episode airs.
2008: Sep, Oct, [Nov not made], Dec.
2009: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug
Audience: Gen. Edu. JPL
Client: A. Wessen
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/15/2008 - 0:00:00 Producer: Kline

AVC-2008-203-1/1 **von Kármán Lecture Series-"New Wheels On Mars:The Mars Science Lab"**

This is a fascinating overview of the next Mission, slated to launch in October 2009 and arrive at the Red Planet sometime in 2010. Presented by Richard Cook, MSL Project Manager.

Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/16/2008 - 1:34:30 Producer: Hardine

AVC-2008-204-1/1 **Closest Planetary System Hosts Two Asteroid Belts - Spitzer VideoFile**
Artist's concept of Epsilon Eridani star system with its two asteroid belts and comets. Interview with Michael Werner, Spitzer Space Telescope Project Scientist, JPL. Animation: Spitzer Space Telescope against an infrared sky.
Audience: JPL NASA News
Client: Hill/Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/20/2008 - 0:03:23 Producer: Kline

AVC-2008-205-1/1 **Chandrayaan/C1XS Launch**
An X-ray Spectrometer built at the Space Science & Tecnology Dept at RAL launched 10/22 aboard the Chandrayaan-1 Spacecraft-India's first Mission to the Moon. The C1XS is an X-ray Spectrometer that will map the Moon's surface composition.
Audience: JPL News Resource Site: India
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
10/22/2008 - 0:46:23 Producer: Hanchett

AVC-2008-209-1/1 **NASA's Phoenix Mission Faces Survival Challenges - Video File**
Intvu: Mission Mgr. Chris Lewicki discusses end-of -mission plans. Animation: Phoenix surface operations. Movies: Phoenix digging, TECP probe into soil, scoop sprinkles soil onto TEGA, Mission Success Pan, 3D work area, "telltale" wind instrument, sunrise, time-lapse clouds, dust devils.
Audience: JPL NASA News
Client: Hill/Webster
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/28/2008 - 0:08:33 Producer: Kline

AVC-2008-211-1/1 **Sally Ride: Our Changing Climate**
Dr. Sally Ride recalls her first Shuttle launch in 1983 and the early Earth climate monitoring missions in which she was involved. Faced with human-induced climate change, she

believes viable solutions can be developed with the help of space-based instruments.
Audience: Gen. Edu. JPL NASA
Client: Baggett
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/28/2008 - 0:05:05 Producer: Doherty

AVC-2008-217-1/1 **Phoenix Mars Lander: A Tribute**
Short tribute video gives an overview of the accomplishments of the Phoenix mission. A moving slideshow of greatest images and findings is shown over a triumphal music bed, ending with a goodbye to the Phoenix lander. Edited for posting upon the announcement of Phoenix's mission completion.
Audience: Gen. Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/10/2008 - 0:02:30 Producer: Hulme

AVC-2008-218-1/1 **VIDEO FILE: Phoenix Lander Finishes Successful Mission**
NASA's Phoenix Lander has reached the expected end of mission. Barry Goldstein and Leslie Tamppari describe the high points in the mission. B-Roll of landing day at JPL. Images of some of Phoenix's accomplishments.
Audience: Gen. JPL NASA News
Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/10/2008 - 0:08:03 Producer: Hill/Doherty

AVC-2008-219-1/1 **Mars Science Laboratory - Overview Video 2008**
An overview of the key goals and capabilities of the Mars Science Laboratory rover. Features animations of MSL at work and an interview with MSL Project Scientist John Grotzinger, on a field geology trip in the Mojave Desert.
Audience: Gen. Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/05/2008 - 0:03:57 Producer: Tozzi/Hulme

AVC-2008-220-1/1 **von Kármán Lecture Series-"New Worlds:Exoplanet Discoveries from...**
...Spitzer Space Telescope". This is a fascinating look at some of the Spitzer Space Telescope's recent discoveries.

Presented by Dr. Michelle Thaller,Manager of Education & Outreach,Infrared Processing & Analysis Center, CIT. Also included is a fun Infrared camera demonstration.
Audience: Gen. JPL Site: vK auditorium
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/13/2008 - 1:25:19 Producer: Hardine

AVC-2008-222-1/1 **NASA Tests First Deep Space Internet (DTN) - Video File**
Testing and explanation of the "Interplanetary Internet." B-roll of engineers testing Delay-Tolerant Networking on 10/20/08. Interview: Vint Cerf, Chief Internet Evangelist, Google, Inc.
Animations: Comparison of Earth internet with Interplanetary Internet &. Overview of Interp.Int.
Audience: Gen. JPL NASA News
Client: Borja/Hill
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/17/2008 - 0:07:23 Producer: Kline

AVC-2008-225-1/1 **Ocean Carbon Observatory Arrives at Launch Site - Video File**
OCO is NASA's first spacecraft dedicated to studying carbon dioxide, the leading human- produced greenhouse gas driving changes in Earth's climate, has arrived at Vandenberg Air Force Base. Includes: B-roll footage of arrival; animation of the satellite over Earth and interviews.
Audience: Resource
Client: NASA TV/Buis
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/20/2008 - 0:05:36 Producer: Hill/Savona

AVC-2008-227-1/1 **Mars Reconnaissance Orbiter: 2 Years on the Red Planet**
This is a marvelous overview of the MRO Mission's first 2 yaers orbiting the Red Planet. Intro by Jim Erickson, MRO Project Manager, with prsentations from Richard Zurek, MRO, Project Scientist, Susan Smrekar, Deputy Project Scientist,Roger Philipps,U.S. Deputy Team Leader, SHARAD Radar,Ralph Miliken, CRISM Imaging Spectrometer,and Candice hansen,Deputy Principal Investigator, HiRISE Camera.
Audience: Gen. Edu. Tech. JPL Site: vK Aud
Client: Jim Erickson
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix

12/04/2008 - 1:55:17 Producer: Kennedy

AVC-2008-228-1/1 **NASA Orbiter Finds Martian Rock Record w/10 Beats to the Bar" - VFile**

Animations: flyover of Becquerel crater, HiRISE instrument on Mars Reconnaissance Orbiter. Interview excerpts: Kevin Lewis, Planetary Scientist, Caltech.
Audience: JPL NASA News
Client: Hill/Webster
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/02/2008 - 0:04:11 Producer: Kline

AVC-2008-229-1/1 **Mars Science Laboratory (MSL) Launch Delay Press Briefing**
MSL press briefing from NASA Headquarters announcing the delay of the MSL launch until 2011. Mike Griffin, Charles Elachi, Doug McCuistion, Ed Weiler.
Audience: Gen. Site: TVRO
Client: MR
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/04/2008 - 1:22:30 Producer: NASA HQ

AVC-2008-232-1/1 **Under Construction: Mars Science Laboratory - SAF Clean Room video**
Curtis Wilkerson is our guide for a tour of the Spacecraft Assembly Facility, the Cleanroom, the gowning procedure, and overview of Mars Science Laboratory (MSL) pieces currently being assembled.
Audience: Gen. JPL Site: 179-SAF
Client: M. Viotti
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/26/2008 - 0:04:35 Producer: Harris/Savona

AVC-2008-235-1/1 **von Kármán Lecture Series-"The Mystery of Dark matter"**
Presented by Dr. Michael Seiffert, JPL Research Scientist.
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/10/2008 - 1:08:16 Producer: Hardine

AVC-2008-236-1/1 **Saturn's Dynamic Moon Enceladus Shows More Signs of Activity - VFile**

Images: Enceladus' southern hemisphere and Saturn- facing hemisphere, "tiger stripes." Movies: Green lines show

direction in which Enceladus' jets emanate. Enceladus' jets in action. Anim: Cassini flies through Enceladus' jets. Interview excerpts: Christopher Russell, Cassini Scientist, UCLA.
Audience: JPL NASA News
Client: Hill/Carnalla
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/12/2008 - 0:04:16 Producer: Kline

AVC-2008-237-1/1 **MRO Helps Find "Missing" Mineral on Mars - Video File**
Researchers using a powerful instrument on board NASA's Mars Reconnaissance Orbiter (MRO) have found a long-sought-after mineral and with it, clues to the Red Planet's watery past. Included: Patches of carbonate animation; interview w/Richard Zurek; MRO animation
Audience: News Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
Standard Def. Master is Cropped from HD Version
12/16/2008 - 0:12:05 Producer: Hill/Savona

AVC-2008-238-1/1 **Shooting for the Moon - Web Video - ALHAT**
Testing ALHAT (Autonomous Landing & Hazard Avoid- ance Technology) in Death Valley, Calif. With ALHAT Test Team members: Dewey Adams, Hannah Goldberg, Geoff Huntington & Andrew Johnson. Explains Flash LIDAR, a type of Light Detection and Ranging system.
Audience: JPL NASA
Client: Agle
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/18/2008 - 0:03:35 Producer: Kline

AVC-2008-239-1/1 **Flying Down to Hadley Rille: Apollo 15 Moon Landing, 1971 - WebVid**
POV footage through window of Lunar Module (LM) during final 3:23 of landing. V/O: David Scott, Mission Commander; Jim Irwin, LM Pilot; Edgar Mitchell, voice of Houston Mission Control.
Audience: JPL NASA
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/18/2008 - 0:03:50 Producer: Kline

AVC-2008-240-1/1 **2008 Invention Challenge: Aerial Car Race**
Twenty-four student teams and six JPL employees raced their hand-built aerial car 10 meters (33 feet) in the 11th annual Invention Challenge held Friday, Dec. 12, 2008.
Audience: Gen. JPL Site: JPL
Client: Media Relations
Master: DVCPro50 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/18/2008 - 0:01:17 Producer: Harris/Hill

AVC-2008-241-1/1 **5 Years on Mars: Our Eyes on Mars (MER)**
Principal Investigator Steve Squyres, Project Manager John Callas, and Rover drivers Ashley Stroupe and Scott Maxwell share their memories of exploring Mars with Spirit and Opportunity for the past five years.
Audience: Gen. JPL NASA
Client: Callas
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/22/2008 - 0:03:55 Producer: Doherty/Hill

AVC-2008-242-1/1 **Mars Rovers (MER): Fifth Anniversary Video File**
Edited B-roll: Rover landing days footage; Spirit & Opportunity traverse maps; rover camera captures 90 days; rover picture of shadow and rover tracks;
Interviews; Full MER animation; sulfates image; silica & sulfur image; Spirit pan of Home Plate; Opport.pan of Victoria Crater & rover testbed
Audience: Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/24/2008 - 0:19:36 Producer: Hill/Savona

AVC-2009-003-1/1 **Aging and Wellness Lecture Series: Stroke Prevention & Treatment**
Dr. Arbi Ohanian, a Huntington Hospital neurologist, speaks about the most recent advancements in the prevention and treatment of strokes.
Audience: Gen. Site: von Kármán
Client: Steven Degelsmith
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/14/2009 - 0:55:52 Producer: Semerano

AVC-2009-006-1/1 **von Kármán Lecture Series-"Spirit and Opportunity: Five Year Anniversa**

Refer to Raw recording at SRC--001135
Audience: Gen. JPL Site: Beckman Aud.
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/15/2009 - 1:08:15 Producer: Hardine/Ziats

AVC-2009-009-1/1 **2009 International Year of Astronomy: Star Party (Web video, IYA)**
Jane Houston Jones takes us to a Star Party in Monrovia, CA and shows us how attending one and seeing the moon and planets through telescopes is a great way of celebrating International Year of Astronomy (2009)
Audience: Gen. JPL NASA
Client:
Master: DVCPro50 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/15/2009 - 0:02:55 Producer: G. Hill

AVC-2009-013-1/1 **OCO to Help Unravel Key Carbon/Climate Mysteries - Video File**
L-30 launch of the Orbiting Carbon Observatory, NASA's first spacecraft dedicated to studying carbon dioxide, the leading human-produced greenhouse gas driving changes in Earth's climate.
Includes: B-roll of Vandenberg Arrival; OCO spacecraft animation and Interviews.
Audience: Resource
Client: NASA TV/Buis
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/28/2009 - 0:07:41 Producer: Hill/Savona

AVC-2009-017-1/1 **Axel Rover Demo (web video)**
A yo-yo-like rover prototype is being tested to venture into craters that are too risky for current robotic explorers.
Audience: Gen. Edu. JPL NASA News Site: Mars Yard
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/04/2009 - 0:01:18 Producer: Hill/Harris

AVC-2009-018-1/1 **NASA and Caltech Test Steep-Terrain Rover (Axel) - Video File**
Engineers from NASA's Jet Propulsion Lab and students at Caltech have designed and tested Axel, a versatile, low-mass robot that can rappel off cliffs, travel nimbly over steep and rocky terrain, and explore deep craters. Axel might help future robotic spacecraft better explore and investigate

foreign worlds such as Mars. On Earth, Axel might assist in search-and-rescue operations.
Audience: Gen. Edu. JPL NASA News Site: Mars Yard
Client: Media Relations
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/04/2009 - 0:07:51 Producer: Borja/Harris

AVC-2009-022-1/1 **Opportunity - 5 Years and Still Roving Mars**
Interviews, animation, stills and music tell the story of Mars Exploration Rover Spirit on the fifth anniversary of its landing. Features interviews with John Callas, Cindy Oda & Colette Lohr.
Audience: Gen. Edu. JPL Site: JPL
Client: M. Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/15/2009 - 0:06:16 Producer: Tozzi

AVC-2009-024-1/1 **JPL Tweetup (web video)**
JPL's first ever Tweetup. A face-to-face meeting of Twitter users and JPLers.
Audience: Gen. JPL Site: VonK
Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/23/2009 - 0:01:10 Producer: Harris/Hill

AVC-2009-025-1/1 **The Europa Jupiter System Mission - Web Video**
Robert Pappalardo, Europa Orbiter Study Scientist, describes the proposed joint NASA/ESA mission to study Europa, Ganymede and Callisto, the 3 moons of Jupiter that may have oceans, and fly by Io. NASA: Jupiter Europa Orbiter; ESA: Jupiter Ganymede Orbiter.
Audience: JPL NASA
Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/18/2009 - 0:03:25 Producer: Kline/Hill

AVC-2009-026-1/1 **The Titan Saturn System Mission - Web Video**
Jonathan Lunine, Co-Chair of the Joint Science Definition Team, describes the Titan Saturn System Mission, which will consist of a Titan orbiter, a Titan balloon and a lander that will land on one of the moon's lakes.
Audience: JPL NASA News

Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/18/2009 - 0:02:32 Producer: Kline/Hill

AVC-2009-029-1/1 **OCO Hunts for Missing Carbon Dioxide (L-2 launch) Video File**
The Orbiting Carbon Observatory (OCO) is NASA's first spacecraft dedicated to studying carbon dioxide, the leading human-produced greenhouse gas driving changes in Earth's climate.
Includes: OCO animation; b-roll of OCO at Vandenberg AFB; interviews; smokestacks b-roll
Audience: JPL News
Client: NASA TV/Buis
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
TAURUS LAUNCH FAILED ON FEB 24, 2009
02/20/2009 - 0:09:51 Producer: Hill/Savona

AVC-2009-030-1/1 **von Kármán Lecture Series-"Galileo's Dream: The IYA 2009"**
Presented by Dr. Michelle Thaller, Manager of Education and Public Outreach, Infrared Processing and Analysis Center, Caltech. With special guest, Galileo Galilea.
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/19/2009 - 1:18:00 Producer: Reggie Hardine

AVC-2009-039-1/1 **NASA Deep Space Flight Test of DTN - with Vint Cerf**
Working as part of a NASA-wide team, engineers from NASA's Jet Propulsion Laboratory in Pasadena, Calif., used software called Disruption-Tolerant Networking, or DTN, to transmit dozens of space images to and from a NASA science spacecraft located about 20 million miles from Earth.
Audience: Gen. JPL NASA
Client:
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/15/2008 - 0:04:35 Producer: C. Harris

AVC-2009-040-1/2 **Kepler L-1 Mission Briefing**
Panelists Include-
Lt. Greg Strong, Pattie Boyd, Omar Bias, Vernon Thorp, Dr. James Fancen, John Trelsh & John Morse.
Audience: Gen. JPL NASA News Site: KSC

Client: Media Relations
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/05/2009 - 0:41:42 Producer: Sergio Viera

AVC-2009-040-2/2 **Kepler L-1 Science Briefing**
Panelists Include-
Natalie Batalia & George Bashure
Audience: Gen. JPL NASA News Site: KSC
Client: Media Relations
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/05/2009 - 0:33:21 Producer: Sergio Viera

AVC-2009-043-1/2 **Kepler Launch**
This tape includes pre-launch festivities at KSC, the launch, orbit insertion, and post insertion celebrations. 6:30 PM to approx 8:30PM PST.
Audience: Gen. JPL NASA Site: KSC
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/06/2009 - 1:54:36 Producer: Hanchett

AVC-2009-043-2/2 **Kepler Launch**
This tape begins approx 4 mins before launch and includes orbit insertion.
Audience: Gen. JPL NASA Site: KSC
Client: Media Relations
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/06/2009 - 0:59:42 Producer: Hanchett

AVC-2009-047-1/1 **von Kármán Lecture Series-"Advanced Propulsion For Deep Space Missions**
Presented by Dr. Dan M. Geobel, Senior Research Scientist, JPL, this is a fascinating look at the varoius types of propulsion systems avialible to JPL's deep space missions.
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/19/2009 - 1:07:34 Producer: Hardine

AVC-2009-049-1/1 **Cassini Provides Virtual Flyover of Saturn's Moon Titan - VF**
New Titan movies are providing a bird's-eye, 3D topography

view of Titan's Earth-like landscapes.
Includes: Flyover animation; Interview with Steve Wall and animation of Cassini spacecraft flying past Titan and Saturn.
Audience: NASA News
Client: NASA TV/Martinez
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/24/2009 - 0:06:42 Producer: Hill/Savona

AVC-2009-065-1/1 **Kepler Captures First Views of Planet-Hunting Territory - VF**
NASA's Kepler mission has taken its first images of the star-rich sky where it will soon begin hunting for planets like Earth.
Includes: First-light images; animation of telescope,field of view, Kepler orbit. Interviews w/James Fanson; William Borucki and launch footage
Audience: Resource
Client: NASA TV/Clavin
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/15/2009 - 0:09:28 Producer: Savona/Hill

AVC-2009-067-1/1 **von Kármán Lecture Series-"Rainbows, Red Sunsets & Rocket Science"**
Prsented by Dr. David J. Diner, Principal Investigator, Multi-angle Imaging Spectroradiometer, JPL
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/16/2009 - 1:17:00 Producer: Hardine

AVC-2009-071-1/1 **"Spitzer's Warm Mission" - Web Video**
Included as a segment in 2009 Open House video "JPL up to the Minute."
Audience:
Client: Hill
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/01/2009 - 0:02:00 Producer: Kline

AVC-2009-074-1/1 **Herschel and Planck Share Ride to Space - Video File**
The Herschel observatory will peek into the dustiest and earliest stages of planet, star and galaxy growth. Planck will answer questions about how the universe came to be, and how it will change in the future. Includes: Animation;

interviews and supporting cleanroom B-roll.
Audience: Resource
Client: NASA TV/Clavin
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/04/2009 - 0:09:13 Producer: Hill/Savona

AVC-2009-076-1/1 **Student of the Stars-Gregory Villar, III-Profile of intern/employee**
Gregory Villar, III describes his internship at JPL while studying planetary nebulas and as a co-intern on ATHLETE. He is currently funded by the Space Grant at JPL while finishing his senior year at Cal Poly Pomona.
Audience: Gen.
Client: Susan Watanabe
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/01/2009 - 0:02:33 Producer: Savona

AVC-2009-077-1/1 **WFPC2: Hubble's Eye on the Universe (web video)**
JPL's Wide Field and Planetary Camera 2 (WFPC2) has taken some of Hubble's most memorable images. Here is a sampling of those images, set to music.
Audience: Gen. JPL NASA Site: HD Edit Bay
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/07/2009 - 0:02:31 Producer: C.Harris

AVC-2009-078-1/1 **NASA's Oldest Hubble Instrument Pictures Infinity Right up to End - VF**
Wide Field & Planetary Camera 2: final "pretty picture"; collection of images; B-roll of astro- nauts installing camera; animated light path; interviews: John Trauger, PI, JPL & Ed Weiler, HQ; stills of camera construction at JPL.
WFPC2
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
05/07/2009 - 0:08:37 Producer: Kline

AVC-2009-079-1/1 **The Camera that Saved Hubble - WFPC2 Web Video**
How the Wide Field and Planetary Camera 2 was devised to correct problems in the Hubble Space Telescope. John Trauger, PI, JPL; Ed Weiler, HQ; David Leckrone, Goddard. Includes video of instal- lation, stills of construction,

animation of light path.
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/07/2009 - 0:04:06 Producer: Kline

AVC-2009-081-1/1 **Spitzer's Warm Mission - A New Career**
After more than 5 years, Spitzer is completing its original assignment to study the universe in infrared and will begin its "warm" mission with two channels of one instrument still working at full capacity after running out of the coolant needed for its other instruments.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/06/2009 - 0:02:19 Producer: Kline/Hill/Harris

AVC-2009-085-1/1 **von Kármán Lecture Series:"Kepler, A Planet Hunting Mission"**
Presented by Dr. James Fanson, Kepler Project Manager. This is a fascinating look at the recently launched Kepler Mission that will hopefully identify planets tha tare similiar to Earth.
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/14/2009 - 1:21:15 Producer: Hardine

AVC-2009-092-1/1 **Looking at Landing Sites for the Mars Science Laboratory - Web Video**
Mars Reconnaissance Orbiter (MRO) Project Sci- entist Rich Zurek narrates flyovers of 4 possible landing sites for the Mars Science Laboratory: Mawrth Vallis, Holden Crater, Eberswalde Crater and Gale Crater. Flyovers are 3D animation, each generated from a stereo pair of MRO images.
Audience: JPL NASA News
Client: Webster/Hill
Master: DVCProLP Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/26/2009 - 0:03:21 Producer: Kline

AVC-2009-093-1/1 **Soaring over Mars - Mars Reconnaissance Orbiter - MRO Web Video**
Animated flyovers of 4 regions on Mars that may have preserved evidence of any life that had formed there: Candor Chasma, Mojave Crater and, Nili Fossae ("nee-lee FOSS-ee").

Zoom in to simulated rover on rim of Victoria Crater. Narrated by MRO Project Scientist Rich Zurek.
Audience: JPL NASA News
Client: Webster/Hill
Master: DVCProLP Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
05/26/2009 - 0:04:22 Producer: Kline

AVC-2009-094-1/1 **Mars Reconnaissance Orbiter's Soaring Views of Red Planet-VF**
NASA's Mars Reconnaissance Orbiter seeks out scientifically interesting places and potential landing sites for the next rover: Mars Science Laboratory. Includes: Narrated Mars flyovers by project scientist, Richard Zurek. Additional b-roll of MRO animation orbiting Mars.
Audience: Resource
Client: NASA TV/Martinez
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/26/2009 - 0:08:20 Producer: Hill/Savona

AVC-2009-105-1/1 **Mars Rover Report Update**
Ashley Stroupe describes what the rovers Spirit and Opportunity have been doing for the past few months.
Audience: Gen. JPL
Client: Media Relations
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/09/2009 - 0:03:09 Producer: Hill/Kline/Savona

AVC-2009-107-1/1 **von Kármán Lecture Series: The Really Big Picture...**
Things We Know About the Universe, and How Know Them" The structure and nature of the universe has puzzled and fascinated people for thousands of years. Only recently, however, has it been possible to measure some of its fundamental properties. Presented by Dr. Charles R. Lawrence, Principal Scientist, Astrophysics, JPL
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/11/2009 - 1:43:50 Producer: Hardine

AVC-2009-114-1/1 **Cassini Salt Finding Hints at Ocean within Saturn Moon - Enceladus VF**
Zoom from whole planet Saturn to CU of plumes on Enceladus in the E ring. Animation: Cassini flying through plumes. B-roll: pouring salt. Interviews:
Linda Spilker, Cassini Deputy Project Scientist, JPL; Sascha Kempf, Cassini Scientist, Max Planck Institute for Nuclear Physics.
Audience: JPL NASA News
Client: Hill
Master: DVCProLP Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/24/2009 - 0:02:55 Producer: Kline

AVC-2009-117-1/1 **A Decade of Success for NASA's QuikScat Mission - Video File**
Designed to fly just two years, NASA's QuikScat spacecraft is sailing into its 2nd decade of measuring ocean surface winds and improving our knowledge of Earth's weather and climate. QuikScat, short for Quick Scatterometer, launched June 19, 1999.
Audience: Gen. JPL NASA News
Client: Buis/Hill
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix

06/18/2009 - 0:08:02 Producer: Harris

AVC-2009-119-1/1 **Cruising over California & Cruising over L.A. - ASTER web video**
Animated flyovers of California and Los Angeles demonstrate ASTER mapping of all of Earth except for extreme N. & S. Poles. Narrated by Michael Abrams, U.S. ASTER Science Team Leader. Arrows indicate certain landmarks. California = 2:13. L.A. = 1:03.
Audience: JPL NASA
Client: Buis/Hill
Master: DVCProLP Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
06/29/2009 - 0:03:21 Producer: Kline

AVC-2009-122-1/1 **NASA Engineers Create Mars-scape to Free Spirit Rover - Video File**
Engineers at NASA's Jet Propulsion Lab are working to free the Mars Exploration Rover Spirit from soft soil on Mars. A test area has been set up at JPL using soil with similar properties to the Martian soil beneath Spirit. A test rover was driven into the soft soil at JPL on 6-30-2009.
Audience: Gen. JPL NASA News Site: JPL
Client: Petrovich
Master: DVCPro25 Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/01/2009 - 0:06:49 Producer: Harris

AVC-2009-127-1/1 **Through the Eyes of Scientists: An Exploration of Our Solar System**
Features profiles of scientists: Trailer Version(3:39) Individual profiles: Edward Stone (3:21) Phil Chamberlin(2:32) Bonnie Buratti(3:08) Bob Anderson(3:05) Thomas Valdez(2:20) Mark Hofstadter(3:00) Rosaly Lopes(2:55) Lloyd French(2:35) Ben Holt(2:05) Produced for Solar System's Outreach for elementary schools.
Audience: Gen. JPL NASA News
Client: Wessen/Harvey
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
DVD version has menu and was released to schools
08/03/2009 - 0:28:41 Producer: Gary Savona

AVC-2009-127-2/2 **Through the Eyes of Scientists: An Exploration of Our Solar System**
Features profiles of scientists: Edward Stone (3:23)Rosaly Lopes(2:56)Bob Anderson(3:05)Bonnie Buratti(3:07)Mark Hofstadter(2:58)Phil Chamberlin (2:32)Ben Holt(2:05)Lloyd French(2:35)Thomas Valdez(2:19) Trailer Version(3:39) Produced for Solar System's Outreach for elementary schools.

Audience: Gen. JPL NASA News
Client: Wessen/Harvey
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
DVD version has menu and was released to schools
08/03/2009 - 0:03:39 Producer: Gary Savona

AVC-2009-133-1/1 **von Kármán Lecture Series: "Exploring the Moon"**
Leon Alkalai, manager of JPL's Lunar Robotic Exploration Office, discusses current plans for returning to the moon for both science and exploration as well as efforts to collaborate with international partners.
Audience: Gen. Site: von Kármán
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/16/2009 - 1:32:29 Producer: Semerano

AVC-2009-136-1/1 **New NASA Images Indicate Object Hits Jupiter - Video File**
Infrared imagery of Jupiter after an object impacted it on July 20, 2009. Interview excerpts: Glenn Orton, JPL Jupiter Research Scientist; Paul Chodas, JPL Comet Shoemaker-Levy 9 Research Scien- tist. Artwork: Shoemaker-Levy 9 fragments (1994). Animation of Shoemaker-Levy impacting Jupiter.
Audience: JPL NASA News
Client:
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
07/21/2009 - 0:05:27 Producer: Kline

AVC-2009-143-1/1 **I Am NASA - Engineer Rocker (Web Video)**
Morgan Hendry is a drummer in an "experimental rock band" called "Beware of Safety" and also just happens to be a Mechanical Engineer on the Mars Science Laboratory at the Jet Propulsion Laboratory.
(2007 Student project shot in SD format)
Audience: Gen. JPL NASA
Client: NASA
Master: DVCPro50 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/06/2007 - 0:01:12 Producer: Christopher Harris

AVC-2009-145-1/1 **NASA Goes inside a Volcano, Monitors Activity - Sensorweb Video File**
B-roll: deployment of sensors in and around mouth of Mt. St. Helens volcano, July 2009. Eruption of 2004. Animation: NASA satellite Earth Observing-1 (EO-1). Intvu: Steve Chien,

Principal Scientist for Autonomous Systems, JPL; Sharon Kedar ("shah-RONE kah-DAR") Geophysicist, JPL.
Audience: JPL NASA News
Client: Hill
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/04/2009 - 0:05:38 Producer: Kline

AVC-2009-150-1/1 **Planet Smash-Up Sends Vaporized Rock, Hot Lava Flying-Spitzer-Asteroid**

VIDEO FILE: Animations: (1) Artist's concept of a collision between two bodies at least as big as our moon. (2) Spitzer Space Telescope in space. Interview: Geoff Bryden, Astronomer, JPL.
Audience: JPL NASA News
Client: Clavin
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/07/2009 - 0:03:55 Producer: Kline

AVC-2009-151-1/1 **How to Build a Planet - Web Video (YouTube) - Spitzer**

JPL astronomery Geoff Bryden narrates the Spitzer Space Telescope's discovery of a planetary collision in another star system. Animations: Spitzer Space Telescope, artist's concept of collision.
Audience: Gen. JPL NASA
Client: Clavin
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
08/10/2009 - 0:02:00 Producer: Kline

AVC-2009-152-1/1 **von Kármán Lecture Series-"From Legs to Wheels"**

A look at the history and evolution of how the skycrane landing architecture evolved from simple landing legs used on JPL's Surveyor lunar landers of the 1960's to the current design. Presented by Tom Rivellini,EDL & Mechanical Systems Group Supervisor, JPL.
Audience: Gen. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/20/2009 - 1:41:00 Producer: Hanchett

AVC-2009-155-1/1 **My High School Summer at JPL - Web Video**

Interviews profile 3 high school students in JPL summer programs. Dot Silverman analyzes remote sensing data.

Pepito Escarce works on the Europa Jupiter System Mission's trajectory. Jourdan Hoapili works on ATHLETE. Programs they partici- pated in: SpaceSHIP, ALVA, INSPIRE.
Audience: Gen. JPL NASA
Client: Susan Watanabe
Master: DVCProLP Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/04/2009 - 0:03:18 Producer: Kline

AVC-2009-158-1/1 **Levitating a Mouse with a Superconducting Magnet**
Laboratory footage of mouse in a cylinder, shot looking straight down into cylinder. When magnet is turned on, mouse lifts up toward camera. Mouse hovers for a few seconds. Magnet is turned off and mouse returns to floor of its cage.
Audience: JPL NASA News
Client: Martinez
Master: DVCPro50
Audio 1: MOS 2: MOS
09/10/2009 - 0:00:30 Producer: Kline

AVC-2009-159-1/1 **ENose aboard the International Space Station - Web Video**
1. Close-up shot of ENose aboard ISS. No action except light blinks.
2. Video of astronauts Mike Fincke & Sandra H. Magnus floating in ISS.
NOTE: Video is low-resolution.
Audience: JPL NASA News
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/11/2009 - 0:01:10 Producer: NASA/Kline

AVC-2009-160-1/1 **NASA's New Generation ATHLETE Works Out Almost Anywhere - Video File**
Video (sped-up) of ATHLETE dismounting from simu- lated landing platform. Animation: Two Tri-ATHLETE in possible operational applications. B-roll: ATHLETE in lab.
Interviews: Julie Townsend, JPL Robotics Engineer; Brian Wilcox, ATHLETE Principal Investigator, JPL.
Audience: JPL NASA News
Client: Agle/Hill
Master: DVCProLP Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
09/10/2009 - 0:07:22 Producer: Kline

AVC-2009-162-1/1 **von Kármán Lecture Series:Measuring Atmospheric Carbon Dioxide From...**

..Space" Presented by Dr. David Crisp, Principal Investigator, Orbiting Carbon Observatory(OCO).
Audience: Gen. Edu. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/17/2009 - 1:18:34 Producer: Hardine

AVC-2009-164-1/1 **Equinox at Saturn - Web Video**

Continuous animation shows: 1. How Saturn's tilted axis causes the planet to appear to tilt up and down during its year, showing different views of the rings. 2. Actual temperature changes measured by Cassini's CIRS instrument (Dec 2004-Aug 2009) as the planet reached Equinox in Aug 2009.
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCPro50
Audio 1: Silent 2: Silent
09/18/2009 - 0:02:43 Producer: Kline/Flandes

AVC-2009-165-1/1 **Cassini Reveals New Ring Quirks...Equinox Video File**

Cassini scientists are marveling over the extent of the ruffles, bumps and temperature changes revealed in Saturn's rings during its equinox.
Included: Images taken during Saturn Equinox; Animation from sun's POV & temperature changes; Interviews of Carolyn Porco & Shawn Brooks
Audience: Resource
Client: NASA TV/Hill
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/18/2009 - 0:11:31 Producer: Savona

AVC-2009-168-1/1 **NASA Sees Ice on Mars Exposed by Meteor Impacts - MRO Video File**

Zoom to fresh crater appearing (texted/textless). Stills of craters with water ice disappearing. Map of 5 recent craters near Viking 2 landing site. Intvus: Sue Smrekar, MRO Deputy Project Scientist, JPL; Shane Byrne, Planetary Scientist, Univ. of Ariz., Tucson. Animation: MRO in orbit over Mars.
Audience: JPL NASA News
Client: Hill/Webster
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix

09/24/2009 - 0:07:10 Producer: Kline/Harris

AVC-2009-169-1/1 **NASA Instruments Reveal Water Molecules on Lunar Surface - M3 VFile**

Discovery by the JPL instrument Moon Mineralogy Mapper (M3), on India's Chandrayaan-1 mission. Time-lapse and still imagery of lunar surface taken by M3. Still of M3 assembly. B-roll: launch of Chandrayaan-1. Interview: Robert Green, Instrument Scientist, M3, JPL.
Audience: NASA News
Client: Hill/Agle
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
09/24/2009 - 0:07:42 Producer: Kline/Harris

AVC-2009-180-1/1 **TechKnow: Bacterial Spore Detectors - Web Video**
JPL chemist, Adrian Ponce, explains cutting edge technology that can help scientists detect bacterial spores.
Audience: Gen.
Client: Martinez
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/15/2009 - 0:03:34 Producer: Hill/Savona

AVC-2009-182-1/1 **von Kármán Lecture Series:"How to Drive a Robot"**
Presented by Dr. Andrew Howard, JPL Robotics, this talk looks at some of the key challenges of autonomous mobile robot navigation with a particular focus on the problem of perceiving and understanding the world.
Audience: Gen. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/15/2009 - 0:59:30 Producer: Hardine

AVC-2009-192-1/1 **2012: A Scientific Reality Check (Web Video) w/ Don Yeomans**
JPL scientist Don Yeomans provides the 411 on 2012. The manager of NASA's Near Earth Object Program office presents the scientific realities of the celestial happenings in the year 2012.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/11/2009 - 0:03:25 Producer: Harris

AVC-2009-193-1/1 **NASA to Begin Attempts to free MER "Spirit" - Video File**
Mars rover "Spirit" has been lodged in a sand trap at a site called "Troy" since April 23, 2009.
Includes: Video of JPL engineers in MER test bed and meetings; images of where Spirit got stuck; interview with Rover Driver, Ashley Stroupe; images of Spirit's travels and MER animation.
Audience: NASA News
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/12/2009 - 0:07:29 Producer: Hill/Mejia/Savona

AVC-2009-194-1/1 **von Kármán Lecture Series: "Taking a Closer Look at Exoplanet..."**
Mark Swain discusses the journey from the discovery of exoplanets to current efforts to detect organic molecules in exoplanet atmospheres. In the very near future, it is probable that we will be able to detect prebiotic molecules in a habitable zone exoplanet.
Audience: Gen. Site: von Kármán Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/12/2009 - 1:15:25 Producer: Savona

AVC-2009-196-1/1 **The Camera that Saved Hubble - Updated - Web Video**
How the Wide Field and Planetary Camera 2 was devised to correct problems in the Hubble Space Telescope. John Trauger, PI, JPL; Ed Weiler, HQ; David Leckrone, Goddard. Includes video of instal- lation, stills of construction, animation of light path. *--UPDATED TO INCLUDE WFPC2 REMOVAL--*
Audience: Gen. JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/13/2009 - 0:04:34 Producer: Kline

AVC-2009-197-1/1 **NASA Saves Camera that Saved Hubble for Smithsonian - WFPC2 videofile**
WFPC2 installed in Smithsonian. Most picturesque images from WFPC2. Astronauts extracting WFPC2 from Hubble in May 2009. WFPC2 construction. Animation of light path. Interview excerpts: Ed Weiler, Assoc. Admin., NASA's Science Mission Directorate; John Trauger, WFPC2 PI, JPL.
Audience: News

Client: Agle
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/16/2009 - 0:09:07 Producer: Kline

AVC-2009-198-1/1 **WISE Gets Ready to Eye the Whole Sky - Video File**
NASA's Wide-field Infrared Survey Explorer, or WISE will scan the whole sky in the infrared.
Includes: WISE cleanroom footage; animation of WISE circling Earth; animation bird's eye view of asteroid belt; movie of asteroid moving across sky and interviews.
Audience: Resource
Client: NASA TV/Clavin
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/16/2009 - 0:10:09 Producer: Hill/Savona

AVC-2009-199-1/1 **WISE: Celestial Treasure Hunt (Web Video)**
WISE Deputy Project Scientist Amy Mainzer Explains how the WISE mission (Wide-field Infrared Survey Explorer) will map the entire sky in infrared and find the unexpected.
Audience: Gen. JPL NASA
Client: Clavin
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/17/2009 - 0:03:12 Producer: Doherty

AVC-2009-202-1/1 **Cassini Sees Ghostly Dance of Saturn's Northern Lights - VF**
The Cassini spacecraft spotted the tallest "northern lights" or auroras known in the solar system. Includes: Cassini movie of Saturn's aurora; examples of Earth's aurora; side-by-side comparison of Saturn and Earth auroras and an interview with Andrew Ingersoll
Audience: Resource
Client: NASA TV/Cook
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/19/2009 - 0:05:15 Producer: Hill/Savona

AVC-2009-204-1/1 **CMA: "Tracking the Internet into Outer Space"**
Vint Serf, vice president and chief internet evangelist for Google, will discuss the "Interplanetary Internet," a deep space communication technology that is tolerant of large time delays and which is a focus of his collaboration with JPL.
Audience: Tech. JPL

Client: Michael Eastwood
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/23/2009 - 1:07:00 Producer: Semerano

AVC-2009-205-1/1 **Saturn's Aurora in a New Light - Web Video**
Andy Ingersoll, Cassini Imaging Team Member, explains that auroras are space weather and describes the close-up visible-light imaging of Saturn's aurora by Cassini.
Audience: Gen. JPL NASA
Client: Hill
Master: DVCProLP Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
11/23/2009 - 0:02:08 Producer: Kline

AVC-2009-207-1/1 **von Kármán Lecture Series:"ASTER-Monitoring earth's Changing Land...**
Surface"
Presented by Dr. Michael Abrams, Science Team Leader, Advanced Spacebourne Thermal Emission and Reflection Radiometer(ASTER), JPL.
Audience: Gen. JPL Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/03/2009 - 0:52:00 Producer: Hardine

AVC-2009-210-1/1 **WISE Lights Up the Dawn Sky On Way To Space - Video File**
NASA's Wide-field Infrared Survey Explorer (WISE) blazed over the Pacific Ocean on its way to map the whole sky in infrared light. Includes: WISE launch; WISE in clean room; animation of WISE circling the Earth; bird's eye view animation; interviews and comparison of visible & IR images.
Audience: Resource
Client: NASA TV/Clavin
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/14/2009 - 0:10:38 Producer: Hill/Savona

AVC-2009-222-1/1 **Free Spirit Update: 6 Years on Mars! (Web Video)**
John Callas, Ashley Stroupe, Scott Maxwell, Dina ElDeeb, and Tara Estlin describe Spirit's current condition and acknowledge her remarkable six years of service.
Audience: JPL NASA
Client: Webster
Master: DVCProLP

Audio 1: Mono mix 2: Mono mix
12/30/2009 - 0:02:44 Producer: Doherty

AVC-2010-003-1/1 **What's Up? January 2010**
Jane Houston Jones describes how Mars will be in Opposition (closest to Earth) January 29 for good viewing opportunities.
Audience: Gen. Edu. JPL NASA
Client: JH Jones
Master: Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/14/2009 - 0:02:54 Producer: Doherty/Kline

AVC-2010-014-1/1 **NASA Has Opportunity to View Interior of Mars - Video File(MER)**
Opportunity rover studies "Marquette Island." Video contains images of "Marquette Island," time lapse footage of Opportunity working/driving, an Opportunity traverse map, MER animations, and interview clips with Dr. Matthew Golombek (Rover scientist) and Frank Hartman (Rover driver)
Audience: NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
SD version is cropped.
01/20/2010 - 0:08:06 Producer: Harris/Hill

AVC-2010-015-1/1 **von Kármán Lecture Series:The Camera that Saved Hubble-WFPC 2**
Presented by Dr. John Trauger, Senior Research Scientist and Principal Investigator, Wide Field and Planetary camera 2 (WFPC 2)
Audience: Gen. Site: vK Aud
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/21/2010 - 0:59:52 Producer: Hardine

AVC-2010-016-1/1 **Opportunity: Making Tracks on Mars - Web Video**
On the 6th anniversary of the Mars Exploration Rover Opportunity's landing, MER scientist Matthew Golombek and rover driver Frank Hartman reflect on the mission so far and describe recent discoveries.
Audience: Gen. JPL NASA
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/22/2010 - 0:03:18 Producer: Doherty/Hill

AVC-2010-018-1/1 **Spirit of Mars - MER - Web Video**
A music video featuring many of Mars Exploration Rover Spirit's pictures taken over the last six years.
Audience: JPL NASA
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/25/2010 - 0:01:09 Producer: Harris

AVC-2010-027-1/1 **Tri-ATHLETE of the Future Demonstration**
NASA's ATHLETE (All-Terrain Hex-Legged Extra-Terrestrial Explorter) demonstrates some of its abilities.
Audience: JPL NASA
Client:
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/05/2010 - 0:05:38 Producer: Harris/Hill

AVC-2010-028-1/1 **SIRTF/Delta II Pre-Launch and Launch Report**
Produced by KSC Multimedia
321-867-7826
Audience: Gen. JPL NASA Site: KSC
Client: Media Relations
Master: DVD
Audio 1: Mono mix 2: Mono mix
08/24/2003 - 1:20:00 Producer: KSC

AVC-2010-031-1/1 **NASA's WISE Mission Releases Medley of First Images - Video File**
The Wide-field Infrared Survey Explorer, or WISE is scanning the entire sky in infrared light.
Four new, processed images illustrate a sampling of the mission's targets: a wispy comet, a bursting star-forming cloud, the grand Andromeda galaxy and a faraway cluster of galaxies.
Audience: Resource
Client: NASA TV/Clavin
Master: DVCProLP Submaster: DVD
Audio 1: Silent 2: Silent
02/16/2010 - 0:01:38 Producer: Savona/Hill

AVC-2010-032-1/1 **WISE First Images**
Montage to music of a few new infrared images from the WISE telescope including the Andromeda Galaxy, star cluster NGC 3603, the Fornax Galaxy Cluster, NGC 1365, and Comet Siding Spring.

Audience: Gen. JPL NASA
Client: Clavin
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/16/2010 - 0:01:20 Producer: Doherty

AVC-2010-034-1/2 **von Kármán Lecture Series:"Humanlike Robots:The Realization of the...**

...Science Fiction of Synthetic Humans"
Presented by Dr. Yoseph Bar-Cohen, Senior Research Scientist and Group Supervisor-Advanced Technologies and NDEAA Lab
Audience: Gen. JPL Site: vK Aud
Client: PSO
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/18/2010 - 1:01:00 Producer: Kennedy

AVC-2010-034-2/2 **von Kármán Lecture Series:"Humanlike Robots:The Realization of the...**

...Science Fiction of Synthetic Humans"
Presented by Dr. Yoseph Bar-Cohen, Senior Research Scientist and Group Supervisor-Advanced Technologies and NDEAA Lab
Audience: Gen. JPL Site: vK Aud
Client: PSO
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/18/2010 - 0:31:54 Producer: Kennedy

AVC-2010-038-1/1 **Celebrating Black History Month: Talk with NASA Engineers**

Ustream event with guests JPL engineers Kobe Boykins, Tracy Drain, and former JPL intern Carrine Johnson. Skype calls from high schools in Los Angeles and Mississippi, call-ins from Alabama.
Audience:
Client: Watanabe
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/24/2010 - 0:45:00 Producer: Hill/ Doherty

AVC-2010-042-1/1 **Titan Canyon Country - Web Video**

This narrated computer-generated 3-D fly-through of an area of Karst topography on Saturn's moon Titan was created by inferring the topography and the layover of a radar image on top of the 3-D map. Included: Computer animation and Earth images of areas with similar topography.
Audience: Gen.

Client: Media Relations/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/05/2010 - 0:01:17 Producer: Hill/Savona

AVC-2010-044-1/1 **Crescenta Valley High School Invention Challenge**
Greg Neat's Crescenta Valley High School engineering class builds an entry for the 2009 JPL Invention Challenge.
Audience: Gen. Edu. JPL NASA
Client: Education
Master: DVD
Audio 1: Mono mix 2: Mono mix
12/11/2009 - 0:02:48 Producer: Doherty/Hill

AVC-2010-046-1/2 **SoCANESRoC IV**
Annual Southern California NASA Explorer Schools Robotic Challenge. 21 teams from grades 4-12 compete with Lego based robotic vehicles that they build and program themselves.
Audience: Gen. Edu. JPL News Site: vK Aud
Client: David Seidel
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/09/2010 - 1:03:00 Producer: Doherty/Kennedy

AVC-2010-046-2/2 **SoCANESRoC IV**
Annual Southern California NASA Explorer Schools Robotic Challenge. 21 teams from grades 4-12 compete with Lego based robotic vehicles that they build and program themselves.
Audience: Gen. Edu. JPL News Site: vK Aud
Client: David Seidel
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/09/2010 - 0:32:37 Producer: Doherty/Kennedy

AVC-2010-047-1/1 **SoCANESRoC IV-Engineer Talk & Awards Ceremony**
JPL Robotics Engineer Paulo Youse gives a spirited talk to the robotic competition contestants, followed by the awards ceremony.
Audience: Gen. Edu. JPL News Site: vK Aud
Client: David Seidel
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/09/2010 - 0:59:30 Producer: Doherty/Kennedy

AVC-2010-048-1/1 **Advancing American Innovation and Competitiveness**
Senate Committee on Commerce, Science and Transportation

regarding "Advancing American Innovation and Competitiveness" NASA witness: CT/Dr. Braun. Other witnesses: OSTP/John Holdren, NIST/Patrick Gallagher, NSF/Arden Bement, Jr.
Audience: JPL NASA Site: Downlink NTV
Client: Baggett
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/10/2010 - 1:32:00 Producer: NASA-TV, Senate

AVC-2010-059-1/2 **von Kármán Lecture Series: Using NASA Satellites**
"Using NASA Satellites to Study Earth's Climate"
Dr. Eric. J. Fetzer, JPL Research Scientist described some of the challenges in understanding satellite data sets, showed recent results, and speculated on future insights.
Audience: Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/18/2010 - 1:03:00 Producer: Hardine

AVC-2010-059-2/2 **von Kármán Lecture Series: Using NASA Satellites**
"Using NASA Satellites to Study Earth's Climate"
Dr. Eric. J. Fetzer, JPL Research Scientist described some of the challenges in understanding satellite data sets, showed recent results, and speculated on future insights.
Audience: Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/18/2010 - 0:09:03 Producer: Hardine

AVC-2010-067-1/1 **Cassini Captures Saturn's Flashdance - Video File**
Cassini spacecraft cameras have captured bursts of lightning flashes on Saturn with a soundtrack that simulates how radio waves from lightning crackle on an AM radio. Includes: Movie of lightning bursts; Earth lightning; interviews and animation of Cassini at Saturn
Audience: Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/08/2010 - 0:05:19 Producer: Savona/Hill

AVC-2010-068-1/1 **Capturing Saturn's Flashdance - Web Video**
After waiting years for the planet to dim enough for cameras

to detect bursts of light, scientists using NASA's Cassini spacecraft have finally captured images of lightning flashing on Saturn.
Audience: Gen. Edu. JPL NASA News
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/08/2010 - 0:02:27 Producer: Savona/Hill

AVC-2010-069-1/1 **Flying by a Venus Volcano - Web Video (SILENT)**
Animated flyover of Idunn Mons, a volcanic peak in the Imdr Regio area of Venus. Topographic data from Magellan, vertical exaggeration = 30x. Color overlay shows thermal data from ESA's Venus Express that suggests recent lava flows. Texted version (:48) followed by textless version (:34).
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCPro25
Audio 1: SILENT 2: SILENT
04/08/2010 - 0:01:25 Producer: Kline

AVC-2010-074-1/2 **von Kármán Lecture Series: "Mapping the Infrared Sky with WISE"**
The Wide-field Infrared Survey Explorer (WISE) surveys the sky in four infrared wavelengths, ranging from four to thirty times redder than our eyes can see. Peter Eisenhardt discusses how the WISE satellite observes everything in the Universe from near-Earth asteroids to galaxies.
Audience: Gen. Site: von Kármán
Client: Public Services
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
SD VERSION HAS ENTIRE SHOW
04/15/2010 - 1:00:35 Producer: Savona

AVC-2010-074-2/2 **von Kármán Lecture Series: "Mapping the Infrared Sky with WISE"**
The Wide-field Infrared Survey Explorer (WISE) surveys the sky in four infrared wavelengths, ranging from four to thirty times redder than our eyes can see. Peter Eisenhardt discusses how the WISE satellite observes everything in the Universe from near-Earth asteroids to galaxies.
Audience: Gen. Site: von Kármán
Client: Public Services
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
SD VERSION HAS ENTIRE SHOW

04/15/2010 - 0:14:50 Producer: Savona

AVC-2010-076-1/1 **Earth Day 2010: A Look at Earth from Space**
Produced by Earth Science Communications Team. Original music composed and performed by Carol Lees. A series of captioned stills taken from orbit.
Audience: JPL NASA
Client: JPL
Master: DVCProLP Submaster: DVCProLP
Audio 1: Stereo L 2: Stereo R
04/20/2010 - 0:02:43 Producer: ESCT

AVC-2010-077-1/1 **ESTO-ATHLETE:A Cargo-Handling Vehicle for the Moon and Mars**
Exploration Systems & Technology Office presents: Brian Wilcox, principal investigator for JPL's All-Terrain Hex-Limbed Extra-Terrestrial Explorer, ATHLETE, describes how this vehicle will one day move astronauts around the Moon and Mars.
Questions and Answers follow presentation.
Audience: Gen. JPL Site: von Kármán
Client: Mike Sander
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/22/2010 - 0:59:28 Producer: Savona

AVC-2010-078-1/1 **Education Career Guidance - Robotics for Kids - Ota Lutz**
NASA/JPL education specialist Ota Lutz offers tips to parents and students interested in becoming more involved in robotic activities and programs.
Audience: Gen. Edu. JPL
Client: Education
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/26/2010 - 0:01:14 Producer: Harris/Watanabe

AVC-2010-079-1/1 **Education Career Guidance - JPL Internships - Christina Frederick**
Math Ph.D. student Christina Frederick shares her experiences about her JPL internship.
Audience: Gen. Edu. JPL
Client: Education
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/26/2010 - 0:00:54 Producer: Harris/Watanabe

AVC-2010-080-1/1 **Education Career Guidance - Intern Qualities - Kobie Boykins**
NASA/JPL mechanical engineer and mentor Kobie Boykins

explains what he looks for in intern candidates.
Audience: Gen. Edu. JPL
Client: Education
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/26/2010 - 0:01:10 Producer: Harris/Watanabe

AVC-2010-082-1/1 **The Europa Jupiter System Mission - Web Video - OPEN CAPTIONS**
Robert Pappalardo, Europa Orbiter Study Scientist, describes the proposed joint NASA/ESA mission to study Europa, Ganymede and Callisto, the 3 moons of Jupiter that may have oceans, and fly by Io. NASA: Jupiter Europa Orbiter; ESA: Jupiter Ganymede Orbiter. SAME AS AVC-2009-025 w captions
Audience: Gen. JPL NASA
Client: McGregor
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/28/2010 - 0:03:25 Producer: Kline/Hill

AVC-2010-084-1/1 **Soil Moisture Active Passive (SMAP) Mission**
NASA's Jet Propulsion Laboratory is taking an important step in helping us learn more about the Earth's water cycle through the development of the Soil Moisture Active Passive, or SMAP, mission.
Audience: Gen. JPL
Client: Karen Yuen
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Produced for Open House 2010
05/06/2010 - 0:03:35 Producer: Savona

AVC-2010-085-1/1 **School Space - NASA Distant Learning Network**
1. How were the planets formed?
2. How does the Earth move; what keeps it going?
3. Why does gravity never stop working?
4. What keeps the Sun on fire?
5. Could the Sun ever run out of fuel?
Audience: Gen. JPL NASA
Client: Susan Watanabe
Master:
Audio 1: Mono mix 2: Mono mix
05/10/2010 - 0:03:37 Producer: Kline

AVC-2010-103-1/2 **von Kármán Lecture Series - "Catastrophe & Earth's Evolution"**
Dr. Pamela Conrad presents a talk which looks at a series of cataclysmic events that have shaped the evolution of Earth

and speculates about what may lie ahead.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Mark Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/10/2010 - 1:02:00 Producer: Semerano

AVC-2010-103-2/2 **von Kármán Lecture Series - "Catastrophe & Earth's Evolution"**
Dr. Pamela Conrad presents a talk which looks at a series of cataclysmic events that have shaped the evolution of Earth and speculates about what may lie ahead.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Mark Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/10/2010 - 0:20:00 Producer: Semerano

AVC-2010-104-1/1 **Summer of Innovation**
Intro: Astronaut Leland Melvin
Presenters: The Daniel Curtis Lee and his band, JPL's Dir.- Charles Elachi, NASA's Administrator- Charles Bolden, Astronaut Stephanie Wilson, Mars Robotic Software Engineer-Julie Townsend, National Summer Learning Association- Erin Gilbert.
Audience: JPL Site: 321 AUD.
Client: Stephen Kulczycki, Org. 1800
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
06/10/2010 - 0:59:45 Producer: Brian Crantz

AVC-2010-105-1/1 **"What's Up" Archive #4 - June 2010 to ...**
Astronomy series for the general public. A guide to naked-eye and small-telescope viewing featuring topics relevant to the month each episode airs.
2010: Jun,Jul,Aug,Sep
CONTINUALLY UPDATED
Audience: JPL
Client: Alice Wessen
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/11/2010 - 1:00:00 Producer: Kline

AVC-2010-106-1/1 **WISE Mission Description - Amy Mainzer - Clean Animation -WebVid**
NEOWISE Principal Investigator Amy Mainzer describes animation of data collected through May 10, 2010. (1:53)
Followed by clean version of animation. (0:37)

Audience: JPL NASA
Client: Agle
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/10/2010 - 0:02:37 Producer: Kline

AVC-2010-109-1/1 **NASA Program Turns Students into Mars Explorers - Video File**
Using the camera on NASA's Mars Odyssey orbiter, students at California's Evergreen Middle School discovered a cave on Mars. Images: cave (a lava tube) and the students. Interview: Michelle Viotti, Manager, Mars Public Engagement, JPL.
Audience: JPL NASA News
Client: Hill
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/23/2010 - 0:03:31 Producer: Harris/Kline

AVC-2010-114-1/1 **Building Curiosity #1: Hot New Rover Wheels! - MSL Web Video**
Dave Gruel, Mgr., Assembly, Testing & Launch Operations for the Mars Science Laboratory (MSL) "Curiosity", describes the attachment and testing of the mobility system (wheels) to the MSL chassis. Illustrated with video, graphics and animations.
Audience: Gen. JPL NASA News
Client: Webster/Hill
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/13/2010 - 0:01:55 Producer: Kline

AVC-2010-117-1/2 **von Kármán Lecture Series - Moons: The Weirdest Planets...**
JPL senior research scientist Bonnie Buratti speaks of our solar system's 170 moons orbiting the main planets. Scientists believe that the most likely places for life to evolve outside the Earth may be in the water-interiors of the moons Europa, Enceladus, and possibly Titan. Q & A follow.
Audience: Gen. Site: von Kármán
Client: Public Services
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
Full Length SD version in library
07/22/2010 - 1:02:00 Producer: Savona

AVC-2010-117-2/2 **von Kármán Lecture Series - Moons: The Weirdest Planets...**
JPL senior research scientist Bonnie Buratti speaks of our

solar system's 170 moons orbiting the main planets. Scientists believe that the most likely places for life to evolve outside the Earth may be in the water-interiors of the moons Europa, Enceladus, and possibly Titan. Q & A follow.

Audience: Gen. Site: von Kármán

Client: Public Services

Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
Full Length SD version in library
07/22/2010 - 0:04:11 Producer: Savona

AVC-2010-118-1/1 **Mars Science Laboratory (MSL) Animation**
Shows the Entry, Descent and Landing. The rover roving the Martian surface, panning and wheels turning, drilling in the surface for samples and putting the samples in the ChemMin sample inlet funnel and processing the data.
Audience: Site: JPL
Client: Mars Public Outreach
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
07/19/2010 - 0:06:22 Producer: Tozzi

AVC-2010-121-1/1 **Mini Soccer Balls in Space - Web Video - Buckyballs**
Astronomer Jan Cami, U. of Western Ontario, Canada & SETI Institute, describes the first discovery of buckyball molecules in space by the Spitzer Space Telescope. Animation: compares buckyball geometry to soccer ball; vibration of buckyballs. RT: 1:45. Followed by NASA TV version with repo'd titles.
Audience: JPL NASA News
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/22/2010 - 0:03:45 Producer: Kline/Hill

AVC-2010-122-1/1 **Building Curiosity #2: First Clean Room Test Drive - MSL Web Video**
With mobility system (wheels), mast and arm attached, the Mars Science Laboratory (MSL) "Curiosity" takes its first test drive in the clean room where it's being assembled. Narrated by Ashwin Vasavada, MSL Deputy Project Scientist.
Audience: JPL NASA News
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/26/2010 - 0:01:19 Producer: Kline/Hill

AVC-2010-129-1/1 **How to Make a Crater - Web Video**
Ota Lutz, NASA/JPL Education, demonstrates using a rock and a pan with layers of flour, sprinkles and cocoa to create craters with ejecta patterns like those on the Moon. She explains how to interpret the rays (ejecta patterns) to

determine information about the crater-creating meteorite.
Audience: Gen. Edu. JPL NASA
Client: Susan Watanabe
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/17/2010 - 0:02:42 Producer: Kline

AVC-2010-130-1/1 **NASA Marks 35th Anniversary of Mars Viking Mission - Video File**
Commemoration of 35th anniversary of launch of
Viking 1 and 2 missions. Historical video: landing
commentary for Viking 1, launches of Vikings &.
Stills of Viking views compared to later missions.
¸Intvu excerpts with mission participants: Gentry
Lee, Bob Tolson, Bill Boyer. AVC-2006-118 revised.
Audience: JPL NASA News
Client: Hill/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/19/2010 - 0:06:01 Producer: Kline

AVC-2010-131-1/2 **von Kármán Lecture-Aquarius: Studying Sea Surface Salinity from Space**
Amit Sen-Aquarius Project Manager explains one of the keys
to understanding the cycle of
water and energy through the atmosphere is Sea
Surface Salinity which has never been measured
from space. A joint mission between NASA and the
Space Agency of Argentina will track SSS to help
resolve these relationships by monitoring variations in the
water cycle, from land runoff, sea ice, to evaporation and
precipitation over the oceans. global SSS data will allow us
to create computer models that bridge
ocean-atmosphere-land-ice systems with the goal of
predicting future climate conditions.
Audience: Gen. Edu. Tech. JPL Resource Site: von Kármán Aud
Client: Communications & Ed, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
USE DVD-BAD AUDIO
08/19/2010 - 1:03:45 Producer: Hardine

AVC-2010-131-2/2 **von Kármán Lecture-Aquarius: Studying Sea Surface Salinity from Space**
Amit Sen-Aquarius Project Manager explains one of the keys
to understanding the cycle of
water and energy through the atmosphere is Sea

Surface Salinity which has never been measured
from space. A joint mission between NASA and the
Space Agency of Argentina will track SSS to help
resolve these relationships by monitoring variations in the
water cycle, from land runoff, sea ice, to evaporation and
precipitation over the oceans. global SSS data will allow us
to create computer models that bridge
ocean-atmosphere-land-ice systems with the goal of
predicting future climate conditions.
Audience: Gen. Edu. Tech. JPL Resource Site: von Kármán Aud
Client: Communications & Ed, Org. 1800
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
USE DVD-BAD AUDIO
08/19/2010 - 0:13:55 Producer: Hardine

AVC-2010-132-1/1 **Building Curiosity #3: Robotic Arm Attached - MSL Web Video**
Narrated by Ben Thoma, Mechanical Lead, Mars Science
Laboratory "Curiosity" Assembly, Test and Launch Operations.
Curiosity's robotic arm is attached in the clean room.
Stills of cruise stage thermal vacuum testing in 25-foot
space simulator.
Audience: JPL NASA
Client: Hill/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/20/2010 - 0:02:13 Producer: Kline

AVC-2010-135-1/1 **Building Curiosity #4: Hand-Eye Coordination - MSL Web Video**
Peter Illsley, Rover Integration Lead: Assembly, Test &
Launch Operations (ATLO), describes how the Curiosity rover
will learn to place its robotic arm where it's told to. The
rover is also shown on a tilt table at a 20-degree angle to
practice working on a Martian slope. Shot in SAF.
Audience: JPL NASA News
Client: Hill
Master: DVCProLP Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/03/2010 - 0:01:40 Producer: Kline

AVC-2010-140-1/1 **Building Curiosity #5: Rover Rocks Rocker-Bogie - MSL Web Video**
Sean Haggart, Mars Science Laboratory Mobility Engineer
talks about the mobility system on MSL that uses a
rocker-bogie suspension system. The six-wheeled vehicle can
turn in place, a full 360 degrees. Rover is shown climbing
over ramps and turning in place. Shot in SAF.

Audience: JPL NASA News
Client: Hill
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
1280x720 QuickTime in DVD content folder
09/16/2010 - 0:02:00 Producer: Savona

AVC-2010-143-1/1 **von Kármán Lecture-Mars Science Laboratory**
Mars Science Laboratory: The Search for Habitable Environments presented by Dr. John Grotzinger, Project Scientist of the Mars Science Laboratory-CalTech discusses that MSL will investigate a landing site that shows clear evidence of ancient aqueous processes based on orbital data and undertake the search for past and present habitable environments.
Audience: Tech. JPL Site: von Kármán Aud
Client: Blaine Bagettt, Org. 1800
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/16/2010 - 1:02:33 Producer: Hardine

AVC-2010-146-1/1 **Asteroid and Comet Census from WISE - Web Video**
Amy Mainzer, principal investigator of NASA's NEOWISE - a project to find asteroids and comets with the Wide-field Infrared Survey Explorer, or WISE narrates this movie that shows a bird's eye view of all the asteroids and comets observed by WISE from January 2010 until mid-September.
Audience: Gen.
Client: Whitney Clavin
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/27/2010 - 0:01:05 Producer: Savona

AVC-2010-149-1/1 **DPS UStream "Saturn Smackdown" Pasadena Convention Center**
Contains the UStream event "Saturn Smackdown" from the Pasadena Convention Center. Host Gay Hill intros Trina Ray and Todd Barber. Airdate October 4, 2010.
Audience: Edu. Resource Site: Pasadena, CA
Client: Hill
Master: DVD
Audio 1: Mono mix 2: Mono mix
10/04/2010 - 1:28:00 Producer: Ziats

AVC-2010-151-1/1 **Dawn/Vesta: "New Spin on Vesta" - Video File**
NASA's Hubble Space Telescope has provided recent images for

scientists to construct videos that help define plans for
Dawn spacecraft's rendezvous with an asteroid in July 2011.
Includes: Web Video and videos of Vesta rotating; and Dawn spacecraft animation
Audience: JPL NASA
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/11/2010 - 0:02:19 Producer: Savona

AVC-2010-152-1/1 **Dawn/Vesta: "New Spin on Vesta" Web Video**
NASA's Hubble Space Telescope has provided recent images for scientists to construct videos that help define plans for
Dawn spacecraft's rendezvous with an asteroid in July 2011.
The images will help improve pointing instructions for
NASA's Dawn spacecraft in a polar orbit around Vesta.
Audience: Gen. JPL NASA
Client: MediaRelations/Cook
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/11/2010 - 0:01:01 Producer: Savona

AVC-2010-153-1/1 **"Spitzer Finds Weird Warm Spot on Exoplanet" Web Video**
This animation shows an unexpected warm spot on the surface of the gaseous exoplanet known as Epsilon Andromedae b. The Spitzer Space Telescope is managed by NASA's Jet Propulsion Laboratory.
Audience: Gen. JPL NASA News
Client: Whitney Clavin
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/18/2010 - 0:00:42 Producer: Savona

AVC-2010-156-1/2 **von Kármán Lecture Series Spitzer Space Telescope**
The von Kármán Lecture Series continues with
"Scientific Results from the Spitzer Space
Telescope" on October 14 in von Kármán Auditorium.
Audience: Edu. Resource Site: von Kármán Aud.
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/14/2010 - 1:02:00 Producer: Hollander

AVC-2010-156-2/2 **von Kármán Lecture Series Spitzer Space Telescope**
The von Kármán Lecture Series continues with
"Scientific Results from the Spitzer Space

Telescope" on October 14 in von Kármán Auditorium.
Audience: Edu. Resource Site: von Kármán Aud.
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/14/2010 - 0:33:23 Producer: Hollander

AVC-2010-162-1/1 **DSN: NASA Antenna Gets Its Bearings - Video File**
The seven-month upgrade to the historic, 70-meter-wide (230-foot-wide)"Mars antenna" at NASA's Deep Space Network site in Goldstone, Calif, is now complete.
Includes: Time-lapse of antenna refurbishment; interviews and time-lapse of test with spacecraft
Audience: Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/01/2010 - 0:04:19 Producer: Savona

AVC-2010-163-1/1 **DSN: NASA Antenna Gets Its Bearings - Web Video**
The seven-month upgrade to the historic, 70-meter-wide (230-foot-wide)"Mars antenna" at NASA's Deep Space Network site in Goldstone, Calif., is now complete. Work was completed on the Hydrostatic & Elevation Bearings. It successfully communicated with the EPOXI spacecraft.
Audience: JPL NASA News
Client: MediaRelations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/01/2010 - 0:01:46 Producer: Savona/Cook

AVC-2010-164-1/1 **Deep Impact/EPOXI Comet Hartley 2 Media B-roll**
Includes: EPOXI Video File; EPOXI mission animation of comet Hartley 2; EPOXI spacecraft animation;Hartley 2 observed by EPOXI;Areceibo radar images;Hartley 2 outgassing movies;Tempel 1 movie;Hartley2groundbasedimage;fourcometsimage;EPOXIcleanroomimage;12radarimage;DSN70-meterDish
Audience: Gen. JPL NASA News Resource
Client: MediaRelations Mejia
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/03/2010 - 0:10:43 Producer: Savona

AVC-2010-170-1/1 **Deep Impact/EPOXI Mission to Comet Hartley 2 Flyby Video File**
NASA's EPOXI mission spacecraft successfully flew past comet

Hartley 2 on Thursday, Nov. 4, 2010.
EPOXI is an extended mission that uses the already in-flight Deep Impact spacecraft.
Includes: EPOXI reaction to closest approach; five approach images; mission animation and interviews
Audience: JPL NASA News Resource
Client: NASA TV/Hill
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/04/2010 - 0:04:42 Producer: Savona

AVC-2010-172-1/1 **Deep Impact/EPOXI Mission Overview**
Project members describe the Deep Impact and EPOXI mission to study comets. Included are Tempel 1 and EPOXI mission to comet Hartley 2.
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/04/2010 - 0:02:23 Producer: Harris

AVC-2010-173-1/1 **Deep Impact/EPOXI Mission: Comets: Remnants of the Beginning**
Michael A'Hearn and Donald Yeomans describe comets and what they're made of and their place in our solar system.
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/04/2010 - 0:02:30 Producer: Kline

AVC-2010-174-1/1 **Deep Impact/EPOXI Mission: Create a Comet with Dry Ice**
Art Chmielewski, demostrates how to build a model of a comet by using: water, dirt, starch, syrup, vinegar, rubbing alcohol and dry ice.
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/04/2010 - 0:03:30 Producer: Doherty

AVC-2010-175-1/1 **Deep Impact/EPOXI Mission: How to Make a Comet**
NASA Educator demostrates using various craft materials how easy it is to make a comet.
Audience: Gen. JPL NASA News
Client: Media Relations

Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/04/2010 - 0:02:30 Producer: Kline

AVC-2010-176-1/1 **Deep Impact/EPOXI Mission: Ask a Scientist Q & A segments**
This was part of a roll-in into the EPOXI commentary program on November 4, 2010.
Includes questions from: Roberto, Kamrin, Lela, Jaylin and Kurt
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/04/2010 - 0:03:20 Producer: Savona

AVC-2010-177-1/2 **von Kármán Lecture "NASA's Going to My Comet" with Malcolm Hartley**

This special event in von Kármán Auditorium features Malcolm Hartley, comet discoverer and astronomer, in addition to Tim Larson, EPOXI Project Manager. Event was held Nov. 2, 2010.
Audience: Edu. Site: von Kármán Aud
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/02/2010 - 1:02:30 Producer: Reggie

AVC-2010-177-2/2 **von Kármán Lecture "NASA's Going to My Comet" with Malcolm Hartley**

This special event in von Kármán Auditorium features Malcolm Hartley, comet discoverer and astronomer, in addition to Tim Larson, EPOXI Project Manager. Event was held Nov. 2, 2010.
Audience: Edu. Site: von Kármán Aud
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/02/2010 - 0:41:00 Producer: Reggie

AVC-2010-178-1/1 **Deep Impact/EPOXI Mission: Applause for EPOXI Comet Close-Up - WEB**

A glimpse into the 11/04/2010 flyby of comet Hartley 2 by the EPOXI spacecraft. Shows mission personnel and others waiting and reacting to the first five close up pictures downloaded from the EPOXI spacecraft.
Audience: Gen. JPL NASA News

Client: EPOXI
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/04/2010 - 0:01:25 Producer: Harris

AVC-2010-181-1/1 **UStream Event: "Cassini Scientist for a Day"**
Ota Lutz moderates an hour program with guests: Amanda Hendrix, Kevin Baines and Rosaly Lopes.
Includes call-in and email questions from students
Webcast to UStream.
Audience: Edu. JPL NASA
Client: Enrico Piazza
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/07/2010 - 1:01:00 Producer: Savona

AVC-2010-182-1/1 **Comet Encounter: EPOXI Mission Flyby of Comet Hartley 2 - WEB**
Comet flyby video comprised of 40 frames taken over 67 minutes by the spacecraft's Medium-Resolution Instrument.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/11/2010 - 0:00:27 Producer: Harris

AVC-2010-183-1/1 **Cassini Sees Saturn Rings Oscillate Like Mini-Galaxy - Video File**
Scientists believe they finally understand why one of the most dynamic regions in Saturn's rings has such an irregular and varying shape, thanks to images captured by NASA's Cassini spacecraft. The rings are behaving like a mini version of our wwn Milky Way Galaxy. (Contains movies of the B ring.)
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVD
Audio 1: NO SOUND 2:
10/25/2010 - 0:01:26 Producer: Harris

AVC-2010-184-1/2 **von Kármán Lecture Series "The Juno Mission to Jupiter"**
The 2010 Theodore von Kármán Lecture Series continues with "The Juno Mission to Jupiter." Steve Matousek, advanced concepts development manager at JPL, hosts the presentation in von Kármán Auditorium November 11, 2010.
Audience: Edu. Site: vK Aud.
Client:

Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/11/2010 - 1:03:00 Producer: Ziats

AVC-2010-184-2/2 **von Kármán Lecture Series "The Juno Mission to Jupiter"**
The 2010 Theodore von Kármán Lecture Series continues with "The Juno Mission to Jupiter." Steve Matousek, advanced concepts development manager at JPL, hosts the presentation in von Kármán Auditorium November 11, 2010.
Audience: Edu. Site: vK Aud.
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/11/2010 - 0:13:05 Producer: Ziats

AVC-2010-193-1/1 **COLD CASE: Possible Ice Volcano on Titan - Web Video**
JPL volcanologist Rosaly Lopes describes how new radar data from the Cassini spacecraft and 3D visualiztion by USGS point to a possible cryovolcano on Saturn's moon Titan.
Audience: Gen. JPL NASA
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/09/2010 - 0:02:04 Producer: Kline/Doherty

AVC-2010-194-1/1 **Cassini Spots Possible Titan Ice Volcano**
New data from NASA's Cassini spacecraft reveal topography on Saturn's moon Titan that makes the best case yet for an ice volcano on Titan.
Includes: Location of volcano; animation flyover of the area; interview with Rosaly Lopes, Cassini radar scientist
Audience: Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/09/2010 - 0:05:45 Producer: Savona

AVC-2010-195-1/1 **von Kármán Lecture Series - "The Dry Ice Polar Caps of Mars"**
Dr. Candice Hansen, Planetary Ices Group, JPL, talks about the unique characteristics of the Martian polar regions.
Audience: Gen. Site: von Kármán
Client: Communications & Ed., Org. 1800
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
12/09/2010 - 0:56:00 Producer: Semerano

AVC-2010-197-1/1 **Odyssey Orbiter Sets Martian Longevity Record - Video File**
ALSO ARCHIVED ON THE SAN IN INNER SOLAR SYSTEM
Audience: Resource
Client: NASA TV/Petrovich
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/16/2010 - 0:06:30 Producer: Savona

AVC-2010-198-1/1 **JPL Invention Challenge 2010 (Ping Pong Ball Challenge)**
ALSO ARCHIVED ON THE SAN IN XTRA TECH
Audience: NASA News
Client: Paul MacNeal
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/16/2010 - 0:01:30 Producer: Savona

AVC-2010-199-1/1 **Mars Odyssey Earns Longevity Badge - Web Video**
NASA's Odyssey orbiter wins title as the longest operating spacecraft at Mars. Video contains pictures set to music with factoids sprinkled throughout.
Audience: Gen. JPL NASA
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/15/2010 - 0:01:13 Producer: Harris

AVC-2010-200-1/1 **Mars Mineral Clues From Orbit Now Aiding Rover Plans - Video File**
Mars mineral mapping from orbit is helping researchers plan how NASA's Mars rover Opportunity will study clues it has never seen before about past Martian environments and help the rover team figure out where to go next.
Audience: Gen. JPL NASA News
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/16/2010 - 0:07:16 Producer: Harris/Hill

AVC-2010-201-1/1 **2010: Year of Pictures (Year End Web Video)**
Music drives this fast-paced look back at JPL mission highlights for the year 2010.
Includes: Earth satellite imagery; Mars; comet Hartley 2; Saturn and its moons; and astronomical images from the Spitzer Space Telescope and Hubble.
Audience: Gen. JPL
Client: Media Relations

Master: DVCProLP Submaster: DVCProLP
Audio 1: Stereo 2: Stereo
12/23/2010 - 0:01:31 Producer: Savona

AVC-2011-001-1/1 **Rover Will Spend 7th Birthday at Stadium-Size Crater - VF Opportunity**

Animated path of Opportunity from landing site to MRO image showing 12/31/10 location at "Santa Maria" crater. Still: NavCam view of crater. POV movie: driving toward eventual destination, Endeavour Crater. Interview: John Callas, Project Manager, Mars Exploration Rovers.
Audience: JPL NASA News
Client: Webster/Hill
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/04/2011 - 0:04:22 Producer: Kline

AVC-2011-004-1/1 **The Whole Universe As Seen By Planck - Web Video**
The Planck mission released a new data catalogue. The catalogue includes thousands of never-before-seen dusty cocoons where stars are forming, and some of the massive clusters of galaxies ever observed. Voice over by Charles Lawrence, NASA project scientist for Planck.
Audience: Gen. JPL
Client: Whitney Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/11/2011 - 0:01:10 Producer: Savona/Hill

AVC-2011-006-1/1 **NASA's Stardust-NExT Prepares for Comet Close-up - VF**
The Stardust-NExT mission readies for comet Tempel 1 flyby. Includes: Launch footage; trajectory animation; spacecraft animation; sample capsule to Earth; upcoming flyby movie; comet surface images; interview; Deep Impact mission movie of comet Tempel 1; trajectory & spacecraft animation
Audience: Resource
Client: NASA TV/Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/18/2011 - 0:05:33 Producer: Savona/Hill

AVC-2011-007-1/1 **Building Curiosity #7: Landing System Drop Test - MSL Web Video**
Engineers put Curiosity's (MSL - Mars Science Laboratory) innovative landing system to the test.
Hosted by Savannah McCoy, DTM (Dynamic Test Model) Rover Verification and Validation Lead. Contains video of the

Skycrane Full Motion Droptest from many angles (including slow motion)
Audience: Gen. Edu. Tech. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/19/2011 - 0:01:56 Producer: Harris/Hill

AVC-2011-015-1/1 **Black History Month - Ashitey Trebi-Ollennu - Video File**
Ashitey is a technical group leader and senior robotics engineer in the Mobility and Manipulation group at NASA's Jet Propulsion Laboratory.
Includes: B-roll of Ashitey on JPL campus and in visitors center; interview excerpts; B-roll of MER, and animation of Phoenix and MSL
Audience: Resource
Client: NASA TV/Petrovich
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/26/2011 - 0:08:34 Producer: Savona

AVC-2011-016-1/1 **Black History Month - Features Ashitey Trebi-Ollennu**
Edited piece to run on the NASA public channel of Ashitey Trebi-Ollennu technical group leader and senior robotics engineer in the Mobility and Manipulation group at NASA's Jet Propulsion Laboratory.
Audience:
Client: NASA TV/Petrovich
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/26/2011 - 0:01:15 Producer: Savona

AVC-2011-018-1/1 **Cosmic Comet Ice Storm - EPOXI Web Video**
DVD also available.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/18/2010 - 0:02:06 Producer: Harris/Hill

AVC-2011-020-1/1 **Date with a Comet - Stardust-NExT - Web Video**
DVD also available
Audience: Gen. JPL NASA News
Client: Stardust-NExT
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/04/2011 - 0:02:23 Producer: Harris/Hill

AVC-2011-021-1/3 **Comets & Asteroids Educator Conference**
Presentations about JPL's Space Exploration, focusing on comets and asteroids.
Part 1 Dr. Paul Chodas - Near Earth Objects Program: Asteroids, Comets, Meteorites.
Audience: Gen. Edu. JPL Resource Site: von Kármán Aud
Client: Seide;/Lutz, Org. 180
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/05/2011 - 0:45:35 Producer: Hollander

AVC-2011-021-2/3 **Comets & Asteroids Educator Conference**
Presentations about JPL's Space Exploration, focusing on comets and asteroids.
Part 2 Robert Mase - Dawn Project Manager
Exploring our Solar System's Smaller Bodies.
Audience: Gen. Edu. JPL Resource Site: von Kármán Aud
Client: Seide;/Lutz, Org. 180
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/05/2011 - 0:46:00 Producer: Hollander

AVC-2011-021-3/3 **Comets & Asteroids Educator Conference**
Presentations about JPL's Space Exploration, focusing on comets and asteroids.
Part 3 Dr. Claudia Alexander - Rosetta Project Scientist & Dr. Murthy Gudipati - JPL Principal Scientist: Instruments, Chemistry, Minerals and the Periodic Table.
Audience: Gen. Edu. JPL Resource Site: von Kármán Aud
Client: Seide;/Lutz, Org. 180
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/05/2011 - 0:52:55 Producer: Hollander

AVC-2011-025-1/1 **Stardust NExT Media B-roll Release**
Movie showing travels of the Stardust spacecraft, including launch (1999), sample collection at comet Wild 2, sample return to Earth and current mission to Tempel 1. Animation of upcoming flyby; Terrain image; Feature image; Tempel 1 taken by Deep Impact; Trajectory & spacecraft animation.
Audience: Gen. JPL NASA News
Client: MediaRelationsMejia
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
DVD also available
02/09/2011 - 0:04:05 Producer: Savona

AVC-2011-027-1/1 **NASA Releases Stardust-NExT Images of Man-Made Crater on Comet - VF**
NASA's Stardust spacecraft returned new images showing a scar resulting from the 2005 Deep Impact mission.Includes: Movie of closest approach images of comet Tempel 1; Before & After image;Image of surface;Particles sounds; post news briefing sound bites and spacecraft launch and animation
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
DVD also available
02/15/2011 - 0:06:09 Producer: Savona/Hill

AVC-2011-028-1/2 **von Kármán Lecture Series-"From Crust to Core GRAIL Reveals Lunar Int.**
Dr. Sami Asmar, GRAIL Deputy Project Scientist, discusses how NASA's Gravity Recovery and Interior Laboratory, or GRAIL, will use twin spacecraft orbiting the moon to help us further understand the history of its interior structure and thermal evolution.
Audience: Gen. Site: von Kármán Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/17/2011 - 1:00:00 Producer: Semerano

AVC-2011-028-2/2 **von Kármán Lecture Series-"From Crust to Core GRAIL Reveals Lunar Int.**

Dr. Sami Asmar, GRAIL Deputy Project Scientist, discusses how NASA's Gravity Recovery and Interior Laboratory, or GRAIL, will use twin spacecraft orbiting the moon to help us further understand the history of its interior structure and thermal evolution.
Audience: Gen. Site: von Kármán Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/17/2011 - 0:10:30 Producer: Semerano

AVC-2011-036-1/1 **Best of NASA Science 2010 - Year in Review**

Presentation. Camera moves on captioned stills with music.
Audience: Gen.
Client: Samantha Harvey
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Also available on DVD
02/24/2011 - 0:11:37 Producer: Savona

AVC-2011-038-1/1 **Building Curiosity #8: Rover Shakedown - MSL Web Video**

DVD also in library.
Audience: Gen. JPL
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/02/2011 - 0:01:33 Producer: Harris/Hill

AVC-2011-041-1/1 **Dawn: Virtual Vesta - Web Video**

The Dawn spacecraft is going to arrive at asteroid Vesta in July 2011. This video shows the type of craters we might expect to find, based on what we see on Earth's moon. Vesta has one of the oldest surfaces in the solar system.
Includes: animation and Hubble images
Audience: Gen. JPL NASA
Client: Jia-Rui Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/08/2011 - 0:01:30 Producer: Savona

AVC-2011-053-1/1 **von Kármán Lecture Series - WISE: The Infrared Full Sky Survey**
Amy Mainzer, principal investigator for NEOWISE lectures on WISE. The mission scanned the entire celestial sky in infrared light about 1.5 times; capturing more than 2.7 million images of objects in space - faraway galaxies to asteroids and comets close to Earth.
Audience: Gen. Edu. Tech. JPL Resource Site: von Kármán Aud.
Client:
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/17/2011 - 1:00:45 Producer: Hollander

AVC-2011-055-1/1 **Building Curiosity #9 - Curiosity's Stunt Double Takes a Spin - MSL We**
DVD also available.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/18/2011 - 0:02:03 Producer: Harris/Hill

AVC-2011-056-1/1 **Mixed Signals from Saturn - Web Video**
Illustration of variations in radio wave ("Saturn kilometric radiation") patterns that are controlled by Saturn's rotation and change with the seasons. Hubble movie of matching changes in auroras. Illustration of Saturn's magnetic field. Movie of rotating Saturn.
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/22/2011 - 0:02:21 Producer: Kline

AVC-2011-057-1/1 **A 'Hiss' from Saturn-Enceladus Electrical Connection - Web Video**
Simple graphic representation & sound of hiss-like radio noise generated by electrons moving along magnetic field lines from Saturn's moon Enceladus to a glowing patch of ultraviolet light on Saturn.
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/17/2011 - 0:00:34 Producer: Kline

AVC-2011-058-1/1 **Women's History Month 2011 - Carol Raymond - Video File**
Carol A. Raymond is a Principal Scientist at Jet Propulsion Laboratory, which she joined in 1990. In 2002, Dr. Raymond began work on the Dawn Discovery Mission to Vesta and Ceres as Deputy Principal Investigator. Includes: Carol b-roll; interview; asteroid image; animation; b-roll
Audience: News Resource
Client: NASA TV/Mejia
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/22/2011 - 0:04:34 Producer: Savona

AVC-2011-059-1/1 **Women's History Month 2011 - Features Carol Raymond**
Edited piece to run on NASA's public channel of Carol Raymond, Principal Scientist at the Jet Propulsion Laboratory, which she joined in 1990. In 2002, Dr. Raymond began work on the Dawn Discovery Mission to Vesta and Ceres as Deputy Principal Investigator.
Audience: Gen. JPL NASA News
Client: NASA TV/Mejia
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/22/2011 - 0:01:37 Producer: Savona

AVC-2011-065-1/1 **Building Curiosity #10 - From Shake to Bake - MSL Web Video**
DVD also available
Audience: Gen. JPL NASA News Site: JPL
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/30/2011 - 0:01:48 Producer: Harris/Hill

AVC-2011-076-1/1 **Mars Science Laboratory 2011 animation v1 - MSL Curiosity**
With sound effects. Released on MSL Media Day.
Audience: JPL NASA News
Client: Mars, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/12/2011 - 0:05:27 Producer: Doherty/Tozzi

AVC-2011-077-1/2 **von Kármán Lecture Series-"A Unique Opportunity:...the Shuttle Era"**
Dr. Eugene Trinh, NASA Management Office at JPL and former Spacelab Payload Specialist Astronaut presents a talk entitled, "A Unique Opportunity: Scientific Research and Human Spaceflight in the Shuttle Era"
Audience: Gen. Site: von Kármán Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/14/2011 - 1:00:00 Producer: Semerano

AVC-2011-077-2/2 **von Kármán Lecture Series-"A Unique Opportunity:...the Shuttle Era"**
Dr. Eugene Trinh, NASA Management Office at JPL and former Spacelab Payload Specialist Astronaut presents a talk entitled, "A Unique Opportunity: Scientific Research and Human Spaceflight in the Shuttle Era"
Audience: Gen. Site: von Kármán Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/14/2011 - 0:21:35 Producer: Semerano

AVC-2011-080-1/2 **Earth Day - "Earth: Beautiful, Powerful, Fragile"**
Serina Diniega discusses volcanoes & sand dunes, Ron Blom discusses climate change & civilization, Tom Farr discusses ancient rivers of the Sahara, Ben Holt discusses the California coast, Andrea Donnellan discusses earthquakes and Gary Shapiro discusses Orangutans in this Earth Day event.
Audience: Gen.
Client: Susan Callery
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/21/2011 - 1:00:00 Producer: Semerano

AVC-2011-080-2/2 **Earth Day - "Earth: Beautiful, Powerful, Fragile"**
Serina Diniega discusses volcanoes & sand dunes, Ron Blom discusses climate change & civilization, Tom Farr discusses ancient rivers of the Sahara, Ben Holt discusses the California coast, Andrea Donnellan discusses earthquakes and Gary Shapiro discusses Orangutans in this Earth Day event.
Audience: Gen.
Client: Susan Callery
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/21/2011 - 0:32:00 Producer: Semerano

AVC-2011-084-1/1 **Voyager: Humanity's Farthest Journey - Video File**
NASA's twin Voyager spacecraft are on an unprecedented journey that will take them beyond our solar system.
Includes: Flyby animation of the outer planets; animation of the solar wind; the moons of Io, Europa, Titan, Miranda and Triton; Interviews; Voyager launch; Golden Record
Audience: Resource Site: JPL
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Also Available on DVD
04/27/2011 - 0:07:00 Producer: Savona/Hill

AVC-2011-085-1/2 **von Kármán Lecture Series-"John F. Kennedy and Project Apollo"**
John Logsdon, a noted space policy expert and author, examines how John F. Kennedy, through his continuing involvement, transformed his 1961 proposal into the grand achievement that was Project Apollo. He compares Kennedy's actions in implementing the decision to go to the moon...
Audience: Gen. Edu. JPL NASA Site: von Kármán aud.
Client: Blaine Baggett
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
Standard Def., DVCPRO also available
04/28/2011 - 1:03:00 Producer: Savona

AVC-2011-085-2/2 **von Kármán Lecture Series-"John F. Kennedy and Project Apollo"**
John Logsdon, a noted space policy expert and author, examines how John F. Kennedy, through his continuing involvement, transformed his 1961 proposal into the grand achievement that was Project Apollo. He compares Kennedy's actions in implementing the decision to go to the moon...
Audience: Gen. Edu. JPL NASA Site: von Kármán aud.
Client: Blaine Baggett
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
Standard Def., DVCPRO also available
04/28/2011 - 0:14:00 Producer: Savona

AVC-2011-087-1/1 **Voyager Animation - 2011 Update**
1. How interstellar wind affects solar wind
2. Voyager 1 at Jupiter; 3. V2 at Saturn;
4. V2 at Uranus; 5. V2 at Neptune;
6. V1 exits solar system; 7. Voyager approaching & receding from camera; 8. God's-eye view of trajectories of V1 & V2.
Audience:
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
04/29/2011 - 0:12:55 Producer: J. Howard

AVC-2011-088-1/1 **Voyager: Humanity's Farthest Journey - Web Video**
Description of the history and future of the Voyager mission. Ed Stone, Voy. Project Scientist; Suzy Dodd, Voy. Project Mgr.; Ann Druyan, Co-creator of Voy. Golden Record. Features new animation of the mission and of the interaction of the interstellar wind with the solar wind.
Audience:
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Stereo L 2: Stereo R
04/28/2011 - 0:03:09 Producer: Kline

AVC-2011-089-1/1 **Voyage of Discovery - Voyager Web Video**
2011 animation of the Voyagers' tour through our solar system and exit from it.
Audience:
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Stereo L 2: Stereo R
04/28/2011 - 0:01:34 Producer: J. Howard

AVC-2011-094-1/1 **Asian Pacific American Heritage Month 2011 - Cindy Oda - Video File**
Cindy Oda is the Mars Science Laboratory, Flight Software internal test team lead at JPL. Cindy has also worked on Mars Pathfinder and MER. Includes: B-roll of Cindy at JPL; interview excerpts and Mars Pathfinder image, MER images and MSL animation.
Audience: NASA Resource Site: JPL
Client: NASA TV/Crenshaw
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
Also Available on DVD
05/04/2011 - 0:04:10 Producer: Savona/Mejia

AVC-2011-095-1/1 **Asian Pacific American Heritage Month 2011 - Features Cindy Oda**
Cindy Oda is a sansei, which means third generation Japanese. She works on the Mars Science Laboratory as the Flight Software internal test team lead.
Audience: JPL NASA Site: JPL
Client: NASA/TV/Crenshaw
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
Also Available on DVD
05/04/2011 - 0:01:27 Producer: Savona/Mejia

AVC-2011-100-1/1 **Building Curiosity #11 - Going for a Spin - MSL Web Video**
DVD also available.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/09/2011 - 0:02:25 Producer: Harris/Hill

AVC-2011-103-1/1 **First impressions of Stardust-NExT flyby of comet Tempel 1 - Web Video**
DVD also available.
Audience: Gen. Edu. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/16/2011 - 0:01:55 Producer: Harris/Hill

AVC-2011-106-1/1 **NASA's Aquarius Set To Study Our Salty Seas - Video File**
Continued: Aquarius arrival at Vandenberg AFB cleanroom; Animation of Aquarius as it collects ocean surface salinity data; Interviews with: Amit Sen, Project Mgr.; Gary Lagerloef, PI; Yi Chao, Project Scientis. Animation of Earth's water cycle, animation of ocean circulation around the Earth, Animation of salt and b-roll of ocean waves.
Audience: JPL NASA News Resource
Client: NASA TV/Hill
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Also Available on DVD
05/16/2011 - 0:10:55 Producer: Hill/Savona

AVC-2011-107-1/1 **Aquarius: Studying the Salt of the Sea - Web Video**
DVD copy also.
Audience: Gen. JPL NASA
Client: Aquarius
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/12/2011 - 0:02:23 Producer: Harris/Hill

AVC-2011-113-1/6 **NASA Tweetup at JPL**
00:00:10 Veronica McGregor, opening presentation 00:23:25 Marc Rayman, Dawn presentation, part 1
Audience: Gen. JPL NASA
Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2011 - 1:03:00 Producer: Doherty

AVC-2011-113-2/6 **NASA Tweetup at JPL**
09:35:49 Marc Raman, Dawn presentation, part 2 09:48:10 Suzanne Dodd, Voyager Project Manager 10:06:04 Josh Willis, Oceanographer/Climate talk 10:31:08 Pre-tour info (fades out)
Audience: Gen. JPL NASA
Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2011 - 0:56:47 Producer: Doherty

AVC-2011-113-3/6 **NASA Tweetup at JPL**
01:03:04 Intvus w/guests, part 1 (1st bit missing) 01:07:28 Intvus w/guests, part 2 01:10:35 Veronica McGregor, post-tour comments 01:11:37 Spirit Tribute movie 01:13:15 Spirit Team (John Callas, Ashley Stroupe, Scott Maxwell); 01:35:29 Announce lunch break
Audience: Gen. JPL NASA
Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2011 - 0:33:05 Producer: Doherty

AVC-2011-113-4/6 **NASA Tweetup at JPL**
01:37:18 Stephanie Schierholtz, NASA Soc.Media Mgr 02:04:38 Steve Levin, Juno/GAVRT 02:04:38 John Cassani impromptu remarks 02:13:19 Gene Fahnestock, GRAIL 02:28:19 Amanda Briden GRAIL 02:31:00 Eric Becklin, SOFIA Telescope, part 1
Audience: Gen. JPL NASA
Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2011 - 1:03:40 Producer: Doherty

AVC-2011-113-5/6 **NASA Tweetup at JPL**
14:15:00 Eric Becklin, SOFIA Telescope, part 2 14:23:54 Don Yeomans, Near Earth Objects 14:51:46 Doug Ellison, Eyes on Solar System, pt. 1
Audience: Gen. JPL NASA
Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2011 - 1:03:36 Producer: Doherty

AVC-2011-113-6/6 **NASA Tweetup at JPL**
02:39:54 Doug Ellison, Eyes on Solar System, pt. 2 02:46:14 David Delgado, Imagine Mars 03:13:22 Veronica McGregor, closing wrap-up (fades out during mandane info)
Audience: Gen. JPL NASA
Client: McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2011 - 0:34:36 Producer: Doherty

AVC-2011-121-1/1 **von Kármán Lecture: Climate Change Impact on Civilizations**
Ron Blom of JPL's Solid Earth Group presented the study of historical and archaeological records enabled by remote-sensing data to determine how and why ancient civilizations disappeared or were severely impacted by climate changes.
Audience: Gen. Edu. Tech. JPL Site: von Kármán Aud.
Client: OCE
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix O 2: Mono mix
06/09/2011 - 0:50:30 Producer: Hollander

AVC-2011-122-1/1 **Aquarius/SAC-D Launch (7:20 a.m. PDT)**
JPL's Aquarius instrument onboard the SAC-D spacecraft lifted off this morning (Friday, June 10)at 7:20 a.m. PDT. From NASA's Space Launch Complex 2 at Vandenberg Air Force Base in California. Launch at 13:25:39. The spacecraft was built by CONAE, Argentina's space agency. The mission is expected to gather global measurements of ocean surface salinity, leading to a better understanding of ocean circulation, climate and Earth's water cycle.
The Aquarius/SAC-D Mission is a collaboration between NASA and Argentina's space agency with participation by Brazil, Canada, France and Italy.
Audience: Site: Vandenberg
Client: Alan Buis, Org. 1870
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/10/2011 - 1:03:00 Producer: Hanchett

AVC-2011-124-1/1 **NASA Spacecraft Captures Video of Asteroid Approach - Vesta VFile**
20 images obtained by the Dawn spacecraft on June 1, 2011 are linked into a movie that shows a dark feature as the asteroid rotates.
Audience: Gen. JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
06/13/2011 - 0:01:04 Producer: Kline

AVC-2011-125-1/1 **GRAIL Web Videos for the GRAIL Mission Website**
Introduction video by Maria Zuber - 1:15
Episode 1: Why a gravity map of the moon? - 2:16
Episode 2: How to get a hi-res gravity map of the moon - 2:58; Episode 3: How we get from Earth to the moon. - 1:59; Episode 4: How to make it happen. - 2:11; Episode 5: Testing the team - 1:19; Episode 6: Commanding the spacecraft - 1:45; Episode 7: High Heritage Builds High Confidence. - 3:14 and Episode 8: A message from Sally Ride for MoonKAM. - 1:26.
Audience: Gen. JPL NASA News
Client: Wessen/Asmar
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/15/2011 - 0:19:17 Producer: Savona/Epstein

AVC-2011-128-1/1 **Building Curiosity #12 - Packing For Florida - MSL Web Video**
DVD also available.
Audience: Gen. JPL NASA News Site: SAF
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/21/2011 - 0:01:00 Producer: Harris

AVC-2011-130-1/1 **Building Curiosity #9: The Big Move - MSL Web Video**
The Curiosity rover is moving from JPL to the Kennedy Space Center. This update briefly shows engineers readying the rover for its move to the cape. Hosted by Ben Thoma, Mechanical Lead for Assembly, Test and Launch Operations for MSL.
Audience: Gen. JPL
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/22/2011 - 0:01:33 Producer: Savona/Hill

AVC-2011-132-1/1 **Dawn VF/NASA Probe Nears Position for Year-Long Stay at Giant Asteroid**
Interviews: Carol Raymond, Dawn Deputy Principal Investigator; Chris Russell, Principal Investi- gator; Robert Mase, Project Manager (all of JPL). Videos: Vesta seen as Dawn approaches; Dawn launch 9/27/07. Animations: Dawn's flight path, Dawn orbiting Vesta. Comparison of Dawn & Hubble images
Audience: JPL NASA News
Client: Cook/Vega
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/22/2011 - 0:08:23 Producer: Kline

AVC-2011-134-1/1 **Mars Science Laboratory ("Curiosity") Animation (Narrated)**
Condensed animation of the MSL rover Curiosity that includes cruise stage, entry, descent, and landing, and surface operations. Narrated by Allen Chen, EDL Systems Engineer.
Audience: Gen. Edu. JPL NASA News Resource
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/28/2011 - 0:04:20 Producer: Doherty

AVC-2011-135-1/1 **Mars Science Laboratory ("Curiosity") Animation**
Animation of the Mars Science Laboratory rover "Curiosity"

includes cruise stage, entry, descent, and landing, and surface operations. With sound effects.
Audience: Gen. JPL NASA News Resource
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/28/2011 - 0:11:20 Producer: Lane/Doherty/Tozzi

AVC-2011-139-1/1 **Spirit of Mars - Web Video (Updated)**
Updated from AVC-2010-018
DVD also available.
Audience: JPL NASA
Client: McGregor
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/19/2011 - 0:01:10 Producer: Harris

AVC-2011-140-1/1 **Attempts to Contact NASA's Spirit Rover Conclude - MER VF**
NASA is ending attempts to regain contact of Spirit rover. Includes: Compilation images set to music; Flyover of Spirit's entire traverse; Map of Spirit's travels; Interview excerpts; image of Spirit's wheels; compilation images w/o titles; animation Spirit at Columbia Hills;Spirit map.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
DVD also available
07/19/2011 - 0:10:43 Producer: Savona/Hill

AVC-2011-141-1/2 **Celebrating Spirit on Mars**
John Callas: MER Project Manager/Emcee
Charles Elachi: Director, JPL
Ed Weiler: NASA Associate Administrator, Science Mission Directorate
Pete Theisinger: Mars Science Lab. Proj. Mgr.
Kobie Boykins: MER Solar Array Cognizant Engineer/ATLO Engineer
Jeff Mellstrom: MER Descent Image Motion Estimation System (DIMES) Manager
Daniel Limonadi: MER Rover Systems Engineer
Audience: JPL NASA
Client: JPL
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/19/2011 - 0:44:41 Producer: Doherty

AVC-2011-141-2/2 **Celebrating Spirit on Mars**
John Callas: MER Project Manager/Emcee
Steve Squyres: MER P.I., Cornell U.
Oded Aharonson: Rover Science Team, Caltech
Steve Ruff: Rover Science Team, Arizona State U.
Dick Morris: Rover Science Team, Johnson Space Ctr
Audience: JPL NASA
Client: JPL
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/19/2011 - 0:29:12 Producer: Doherty

AVC-2011-143-1/1 **Landing Site: Gale crater - Mars Science Laboratory (MSL) VF**
NASA has chosen the MSL landing site inside Gale crater which is scheduled to land on Mars in August 2012. Includes: Animated flyover of Gale crater; interview excerpts of John Grotzinger; Curiosity rover in the Spacecraft Assembly Facility at JPL and MSL animation
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/21/2011 - 0:09:02 Producer: Kline/Hill/Savona

AVC-2011-144-1/1 **von Kármán Lecture Series - "Hot Water: The Oceans & Global Warming"**
JPL Oceanographer and climate scientist Josh Willis discusses the water and oceans on Earth and their role in global climate changes. As the planet warms up, the oceans absorb much of that heat. He also discusses the ins and outs of Global Warming as they pertain to the world's oceans.
Audience: Gen. Edu. Tech. JPL Resource Site: von Kármán Aud
Client:
Master: DVCPro50 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/21/2011 - 1:02:25 Producer: Hollander

AVC-2011-147-1/1 **Building Curiosity 14: Curiosity at Kennedy Space Center**
DVD also available.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
07/26/2011 - 0:02:17 Producer: Harris/Hill

AVC-2011-148-1/1 **The Juno Mission: Unlocking Jupiter's Mysteries - Overview Web Video**
DVD also available.
Audience: Gen. NASA News
Client: Juno
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/27/2011 - 0:02:53 Producer: Harris/Hill

AVC-2011-157-1/1 **Briefing: Dawn Views Vesta**
Charles Elachi; Colleen Hartman, NASA HQ Senior Advisor; Chris Russell, Dawn Principal Investigator; Marc Rayman, Dawn Chief Engineer; Holger Sierks, Framing Camera Team; Enrico Flamini, Chief Scientist, Italian Space Agency.
Audience: JPL NASA News
Client: Agle
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/01/2011 - 0:59:00 Producer: Doherty

AVC-2011-158-1/1 **Dawn over Vesta, Dawn Leaving Vesta/Arriving Ceres, Vesta Rotation-Web**
0:30 Animation of Dawn Scanning & Flying above Vesta's Surface
0:23 Animation of Dawn Leaving Vesta & Arriving at Ceres
0:22 Vesta Full Rotation Movie (also called Asteroid Vesta Rotates)
Audience: JPL NASA
Client: Agle/Clavin
Master: DVCProLP Submaster: DVD
Audio 1: Silent 2: Silent
08/01/2011 - 0:01:19 Producer: Kline

AVC-2011-164-1/1 **Juno Launch Coverage from KSC - 6:30AM**
George Diller-NASA Launch Commentator interviews
Jan Chodas, Juno Proj. Mgr/JPL
Diller interviews John Calvert, NASA Misison Mgr.
Shots of: Booster Delivery, Centar Delivery, shows Vertical Integration Facility, Mobile Launch Platform, Solid Rocket Motors loading and off-loading, Juno Spacecraft lift to facility, shots of rocket and Mission Control area
Diller interviews Vernon Thorp,
Prog. Mgr., ULA-Talked about flight events and showed the mission profile video
Diller interviews Scott Bolton,
Juno P.I.-Scott talked about what is a P.I. led mission & described animations of the spacecraft and how Jupiter was

formed including the solar system.
Video of Launch Services Program- "Earth's Bridge to Space"
Various shots of the rocket.
Audience: Site: KSC
Client: Media Relations, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 1:03:46 Producer: Hanchett

AVC-2011-166-1/1 **NASA Mars Rover Opportunity Reaches Endeavour Crater - Video File**
1. Animated traverse map of Opportunity from landing site to Spirit Point on the edge of Endeavour crater. 2. POV movie as Opportunity drives. 3. Interview excerpts: John Callas, Project Mgr., Mars Exploration Rovers. 4. Animation of rover driving on Mars.
Audience: JPL NASA News
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/10/2011 - 0:03:35 Producer: Kline

AVC-2011-172-1/2 **von Kármán Lecture Series-"DSN: Our Link to Spacecraft..."**
Joseph Statman, Deep Space Network technical staff member, gives a talk on how the DSN keeps in communication with spacecraft both orbiting the Earth and deep into the solar system.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Mark Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/18/2011 - 1:00:00 Producer: Semerano

AVC-2011-172-2/2 **von Kármán Lecture Series-"DSN: Our Link to Spacecraft..."**
Joseph Statman, Deep Space Network technical staff member, gives a talk on how the DSN keeps in communication with spacecraft both orbiting the Earth and deep into the solar system.
Audience: Gen. Edu. Site: von Kármán Aud.
Client: Mark Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/18/2011 - 0:23:00 Producer: Semerano

AVC-2011-174-1/4 **JUNO/Atlas V Launch Program**
Video-Journey To Jupiter/Mission Juno;Launch Complex 41-Cape Cannaveral Air Force Station, FL;

Various cmaera shots; Scott Bolton; Mission
Control & Launch Control;
George Diller Interviews
w/Jan Chodas, Juno Project Manager-discussed building the spacecraft-video of transporting to Lockheed Martin, Denver, CO, off loading, trnasport bus, unpacking, cleanroom, blanketing, wing attachments, seperation nuts, spin test, fairing what will happen the first 2 hrs.
John Calvert, NASA Mission Manager shows a video of transport of booster and centar, Vertical Integration Facility, Solid Rocket Motors (5), Stacking
Vernon Thorp, Program Manager-ULA (United Launch Alliance)
He discussed the solid rocket motors; shows a video of the launch, breakout of motors,
centar seperation and engine cut-off and engine start #2.
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:54:32 Producer: NASA KSCTV

AVC-2011-174-2/4 **JUNO/Atlas V Launch Program**
Camera shots of rocket; George Diller, NASA Commentator interviews Scott Bolton, Juno P.I./Southwest Institute; Earth's Bridge to Space Video; In memory of signs; Launch Control/Mission Control; Polling; Launch Countdown; Solid Rocket Motors Seperate;Live TLM Data-Status
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:55:22 Producer: NASA KSCTV

AVC-2011-174-3/4 **JUNO/Atlas V Launch Program**
Replays of camera shots: VAB Roof, TV Van-1, UCS-3, OTV Camera 60, Rocket Camera, Patrick Doams, OTV Camera 1, Atlas Camera 3, Atlas Camera 5, UCS-23, Status: Live TLM, Re-start of Centar-2nd burn.
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:33:40 Producer: NASA KSCTV

AVC-2011-174-4/4 **JUNO/Atlas V Launch Program**
Status: Live TLM Data continued; Mission Control-people

shaking hands; George Diller, NASA Commentator interviews Omar Baez, NASA Launch Director and does a launch assessment.
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:14:09 Producer: NASA KSCTV

AVC-2011-176-1/1 **GRAIL Briefing - Aug. 25, 2011**
Jim Green, Director, Planetary Science Division, NASA HQ; Maria Zuber, GRAIL Principal Investigator, MIT; David Lehman, GRAIL Project Manager, JPL; Leesa Hubbard, teacher in residence, Sally Ride Science. At NASA HQ.
Audience:
Client: Buis
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/25/2011 - 0:42:15 Producer: Borst

AVC-2011-178-1/1 **NASA's GRAIL Twins to Explore the Moon - Video File**
GRAIL's twin spacecraft are tasked for a nine-month mission to explore Earth's nearest neighbor, where they will determine the structure of the lunar interior. Includes: Animation of the spacecraft from launch to deployment and operation around the moon; B-roll in cleanroom; interviews.
Audience: Resource
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/25/2011 - 0:11:05 Producer: Savona/Hill

AVC-2011-179-1/1 **GRAIL Overview - Web Video**
Team members describe the mission to Earth's nearest neighbor. GRAIL's twin spacecraft are tasked for a nine-month mission to explore Earth's nearest neighbor, where they will determine the structure of the lunar interior from crust to core.
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/25/2011 - 0:03:22 Producer: Savona/Hill

AVC-2011-182-1/1 **Name That Rover**
The official MSL Rover naming contest video call for

entries.
Audience: Gen. Edu. JPL NASA Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Stereo mix 2: Stereo mix
12/12/2008 - 0:01:45 Producer: Eric Tozzi

AVC-2011-183-1/1 **Curiosity Rover Trailer**
Official trailer for the Curiosity Rover Mission. Features EDL, landing and surface opps from the new animation.
Audience: Gen. JPL NASA Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Stereo mix 2: Stereo mix
08/10/2011 - 0:01:37 Producer: Eric Tozzi

AVC-2011-184-1/1 **The Challenges of Getting To Mars: Selecting A Landing Site**
Episode 1 of the MSL Challenges series covers the landing site selection process. Features Ashwin Vasavada as he explains the difference between the four final site candidates.
Audience: Gen. JPL NASA Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: Stereo mix 2: Stereo mix
05/18/2011 - 0:03:50 Producer: Eric Tozzi

AVC-2011-185-1/1 **Spirit's Triumphs On Mars**
A look back on the Spirit Rover mission featuring John Callas, Ashley Stroupe, Scott Maxwell. Features as an End of Mission piece.
Audience: Gen. JPL NASA Site: JPL
Client: Mars Public Engagement
Master: DVCProHD
Audio 1: Stereo mix 2: Stereo mix
05/25/2011 - 0:04:36 Producer: Eric Tozzi

AVC-2011-186-1/1 **GRAIL Media Release for September 2011 Launch**
The Gravity Recovery And Interior Laboratory (GRAIL) mission to the moon launches on Sept. 8, 2011. The twin spacecraft will examine the lunar interior from crust to core.
Includes: GRAIL Video File (11:05); GRAIL Animation with Narration (4:05) and GRAIL News Briefing (42:15)
Audience: NASA News Resource
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP

Audio 1: Mono mix 2: Mono mix
09/01/2011 - 0:57:35 Producer: Savona/Mejia

AVC-2011-191-1/1 **GRAIL/Delta II Pre-Launch News Conference**
Intro:George Diller, NASA Public Affairs
Participants: Ed Weiler-Associate Administrator of the Science Mission Directorate, NASA HQ; Tim Dunn-NASA Launch Director, KSC; Vernon Thorp-Program Manager/NASA Missions United Launch Alliance-Denver; David Lehman-GRAIL Project Manager, JPL; John Henk-GRAIL Program Manager, Lockkheed Martin Space Systems-Denver; Joel Tumbiolo-Launch Weather Officer, 45th Weather Squadron, CCAFS
Audience: NASA Site: NASA KSC
Client: Veronica McGregor, Org. 1870
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/06/2011 - 0:42:30 Producer: NASA KSC

AVC-2011-192-1/1 **GRAIL/Delta II Mission Science Briefing**
Moderator: D.C. Agle, Media Relations Specialist/JPL
Participants: Robert Fogel, Grail Program Scientist/NASA; Maria Zuber, Grail Principal Investigator/MIT; Sami Asmar, Grail Deputy Project Scientist/JPL; Leesa Hubbard, Teacher in Residence/Sally Ride Science, San Diego, CA
Audience: Site: NASA KSC
Client: Veronica McGregor, Org. 1870
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/07/2011 - 1:00:19 Producer: NASA KSCTV

AVC-2011-193-1/1 **Jim Taranik, Scientist, Visionary & Educator - Memorial Video**
A memorial tribute to Jim Taranik, Scientist, Visionary and Educator. Recollections from Charles Elachi, Ronald Blom and Diane Evans.
(For play at Desert Research Institute, DRI, Reno NV)
Audience: JPL
Client: NanetteMerlino/DRI
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/08/2011 - 0:03:09 Producer: Savona/Hill

AVC-2011-194-1/1 **JUNO Atlas V Post Launch News Conference**
JUNO/Atlas V post-launch news conference from

Kennedy Space Center features George Diller, NASA Public Affairs; Jim Adams, Deputy Director, Planetary Science Division; Scott Bolton, Principal Investigator; and Jan Chodas, Project Manager, JPL.
Audience: Resource Site: KSC
Client: DC
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
08/05/2011 - 0:36:00 Producer: KSC

AVC-2011-195-1/1 **NASA Remembers The 10th Anniversary of 9/11**
Remarks by astronauts Ron Garan and Mike Fossum, NASA PAO, Kiki Michelli; NASA Administrator Charles Bolden; Senator Bill Nelson; Rep. Chaka Fattah and Rep. Steven Palazzo; Dep. Chief U.S. Marshall Ret. Matthew Fogg; NASA Dep. Admin. Lori Garver; Expedition 3 Commander Frank Culbertson
Audience: Site: NASA HQ
Client: Susan Braunhiem
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/13/2011 - 0:58:00 Producer: NASA HQ

AVC-2011-198-1/2 **GRAIL Launch (4:10am - 5:10am PST)**
George Diller, NASA Launch Commentator interviews Vernon Thorp, NASA Mission Prog. Mgr./ULA. Shows a video of flight events and talks about the history of the Delta II Rocket; rocket on pad; Mission Control area; Banner shot of in memory of our colleague and friend Ed Atcher- The ULA Team.
Audience: Site: KSC
Client: Veronica McGregor
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/08/2011 - 1:04:00 Producer: NASA KSCTV

AVC-2011-198-2/2 **GRAIL Launch (5:10am - 6:10am PST)**
Weather & temperature discussed-Proton Flux Grid; Vehicle Exposure Forecast; OPS Forecast, OPS Commit Criteria; shots of rocket; Mission Control; Diagram with GRAIL Logo; Video: Shuttle Program/William Shatner, Station cameras: Views of the Texas Wildfires, Hurricane Katia, NASA spacecraft observes new characteristics of Solar Flares, Astronaut Culbertson recalls time on the Space Station during the 9/11 attacks.
Audience: Site: KSC

Client: Veronica McGregor
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/08/2011 - 1:04:00 Producer: NASA KSCTV

AVC-2011-199-1/1 **von Kármán Lecture Series - "From A to Z: Curiosity to the Launch Pad"**

Mars Science Laboratory Deputy project Manager Richard Cook talks about preparing the Curiosity rover for launch.
Audience: Gen. Site: 321-Aud.
Client: Mark Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/15/2011 - 0:00:00 Producer: Semerano

AVC-2011-201-1/2 **von Kármán Lecture Series "Getting Curiosity to the Launch Pad"**
The von Kármán Lecture Series continues with "From A to Z: Getting Curiosity to the Launch Pad," held in 321 Auditorium at JPL. Project members discuss the trials and tribulations encountered while creating the latest project in NASA's Mars Exploration Program. Launch is scheduled for late 2011.
Audience: Site: 321-A
Client: Razze
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/15/2011 - 1:02:00 Producer: Semerano

AVC-2011-201-2/2 **von Kármán Lecture Series "Getting Curiosity to the Launch Pad"**
The von Kármán Lecture Series continues with "From A to Z: Getting Curiosity to the Launch Pad," held in 321 Auditorium at JPL. Project members discuss the trials and tribulations encountered while creating the latest project in NASA's Mars Exploration Program. Launch is scheduled for late 2011.
Audience: Site: 321-A
Client: PSO
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/15/2011 - 0:39:00 Producer: Semerano

AVC-2011-202-1/1 **NASA Mars Research Helps Find Buried Water on Earth - Video File**
Refer to 2011-200 for the Web Video
Audience: Resource
Client: NASA TV/Buis/Hill
Master: DVCProLP Submaster: DVCProLP

Audio 1: Mono mix 2: Mono mix
09/14/2011 - 0:04:19 Producer: Savona/Hill

AVC-2011-203-1/1 **NASA's Journey Above Vesta - Dawn Spacecraft Web Video**
Carol Raymond, Dawn deputy principal investigator describes the latest images from the Dawn spacecraft of Vesta. Vesta is a large object in the main asteroid belt. Images were provided by NASA/JPL-Caltech/UCLA/MPS/DLR/IDA
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/16/2011 - 0:02:00 Producer: Savona/Hill

AVC-2011-206-1/5 **GRAIL/Delta II Launch Coverage (Lehman, Wessen, Ride)**
George Diller, NASA Launch Commentator
Launch Complex 17B-Cape Canaveral Air Force Station, FL; Shots of different control rooms; aerials; Video on the GRAIL mission showing the GRAIL spacecraft mapping the Moons gravity, David Lehman, GRAIL Project Manager/JPL, Tim Dunn, NASA Launch Manager/NASA's Launch Services Program, Bruce Reid, GRAIL Mission Manager/NASA's Launch Service Program, Randii Wessen, Sally Ride; Weather Report; Loaded liquid oxygen into the first stage.
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Stereo Mix 2: Stereo Mix
09/10/2011 - 0:54:20 Producer: NASA KSCTV

AVC-2011-206-2/5 **GRAIL/Delta II Launch Coverage**
Starts by showing Delta II on launch pad; George Diller, NASA Launch Commentator and NASA Launch Director, Tim Dunn discusses the status of the Launch; Weather report with radar maps
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Stereo Mix 2: Stereo Mix
02/22/2011 - 0:53:35 Producer: NASA KSCTV

AVC-2011-206-3/5 **GRAIL/Delta II Launch Coverage**
George Diller, NASA Launch Commentator talks about the weather; various shots of control rooms; shots of Delta rocket on pad; Weather conditions for a 2nd opportunity with

radar maps and minus 4 minutes for final countdown for launch.
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Stereo Mix 2: Stereo Mix
02/22/2011 - 0:47:36 Producer: NASA KSCTV

AVC-2011-206-4/5 **GRAIL/Delta II Launch Coverage (Countdown and LAUNCH)**
Starts with T-minus 4 minutes for release of hold; Countdown to launch and LIFTOFF!; Solid motors burn out; Seperation; Animation of spacecraft 3 minutes into flight with voice of Steve Agid, Flight Commentator; Shots of NASA Telemetry Lab, Hangar AE, CCAFS; GRAIL/Delta II Launch Replays: KSCTV Truck #1-9/10/11, Trauck #2, KSC DOMAS, Patrick DOAMS, UCS23, Blockhouse PAO Camera, Dield PAO Camera, Pad 17A PAO Camera, AE Pad Camera, Pad 17A Camera 1, Launch coverage will resume at 10:10am EST; Animation of spacecraft and George Diller commentator; Shot of GRAIL A & B in tandom
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Stereo Mix 2: Stereo Mix
02/22/2011 - 0:34:19 Producer: NASA KSCTV

AVC-2011-207-1/2 **50 Years of Exploration "The Golden Anniversary of NASA"**
Starts out with Neil Armstrong, Astronaut
1950's
sputnik; Chris Kraft, Jr., Flight Dir.; George Hupson, Aerospace Engineer; Christine Darden, Aerospace Engineer; U.S. Senator, John Glenn, Astronaut; Ed kilgore, Aerospace Engineer; Explorer 1-1957; Bill Snoody, Aerospace Engineer and John Casani, Project Manager; Ray Hook, Aerospace Engineer; Pres. D. Eisenhower; T. Keith Glennan, First ANSA Administrator; Harry Finger, Assoc. Administrator; Rocket Launches; Capsule Designs; Scott Carpenter, Astronaut; William Kinard, Chief Scientist; Tests for astronauts; 1923-2007 Walter Schirra, Astronaut; Astronaut Virgil Grissom and a panel of other astronauts tlaking about Project Mercury
1960's
ECHO Satellite; Project Mercuryastronauts working; Bill Stoney, Aerospace Engineer; 1921-2004 Max Faget, Capsule Designer; Monkeys in space; Astronaut Alan Shepard's first flight in space; Pres. John F. Kennedy address; Gene Cernan,

Astronaut; Sam Benningfield, Aerospace Engineer; John Glenn's first flight in space-landing in water, parade and news crews;Paul Kutler, Computational Scientist talks about Sonic Booms; Mariner 4-Images; Gemini-Michael Collins, Astronaut using computers; Apollo 1-Walter Cunningham, Astronaut; Fire on Launch Pad; Apollo 7-11 days in space; Shots of Earth; Buzz Aldrin, Astronaut describes the Moon; James Lovell, Astronaut-Apollo 8; Gene Krantz, Flight Director-Lunar Landing; Richard Nafzger, Apollo TV Engineer brought TV to the world!; Footprint on moon and astronauts; Chris Kraft, Jr., Flight Dir.; Alan Bean, Astronaut-Apollo 12; Walking on the Moon
1970's
Apollo 13-Person saying "Houston We Have a Problem" and landing of Apollo; Norm Chaffee, Aerospace Engineer; Astronauts driving on the Moon; Bill Snoody, Aerospace Engineer; Pictures of Apollo 17; Gene Cernan, Last astronaut on the Moon; Bill Stoney, Aerospace Engineer; LANDSAT, Digital Camera and Color Analysis; Richard Fisher, Heliophysics Dir.; SKYLAB; Pres. Gerald Ford; Mariner-Venus; John Deilon, Launch Dir.; 1925-2006 Ansel Butterfield (Viking Parts Manager); Bill Boyer-Viking Systems Manager; Edward Stone, voyager Scientist-Neptune flybys; Jack Franklin, Aerospace Engineer; Rotor Aircrafts; Del Freeman, Aerospace Engineer; William Kinard, Cheif Scientist-Shuttle Program Opportunity
1980's
First Shuttle Launch-Discovery; Sally Ride, First U.S. Woman Astronaut; shots of Launch Pad; Dominic Gorie, Astronaut; Vance Brand, Astronaut; Guion Bluford, Jr. First African American Astronaut
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/16/2008 - 1:01:00 Producer: NASA KSCTV

AVC-2011-207-2/2 **50 Years of Exploration "The Golden Anniversary of NASA"**
Starts with Astronaut Sally Ride talking about her experiences in space; Guion Bluford, Jr., First African American Astronaut; Landing of the Shuttle; Challenger Crew; Pres. Ronald Reagan; Joe Kosmo, Sr. Proj. Engineer talks about risks; Ed Kilgore, Aerospace Engineer talks about what happend mechanically on Challenger
1990's
Discovery Launch; Hubble Space Telescope; James Crocker,

Hubble Engineer; Jeff Rosenthal, Chief Scientist; John Mather, Proj. Scientist-COBE Spacecraft and proof the Big Bang Theory is right; Carl Walz, AStronaut; Shuttle MIR; Shannon Lucid, Astronaut; U.S. Senator, Astronaut John Glenn-1998 in space again on Discovery; Endeavor-International Space Station

2000's

Soyuz Spacecraft; Norm Chaffee, Aerospace Engineer-International Space Station; Columbia-Loss contact with Pres. G.W. Bush address; Gene Krantz, Flight Director; Sharon Stack-Hypersonic Engineer; Hyper X-on a Pegus Vehicle; John Paulson, Vehicle Analysis Engineer/Airplanes; Delta Rocket carrying Opportunity and Spirit to MArs; Gene Cernan, AStronaut, Unmanned Spacecrafts; Steve Squyres, Project Investigator; Scott Maxwell, Rover Driver and images of the rovers driving on Mars; Discovery-Shuttle Launch to the Space Station, Arrival, working on station and the legacy of the station; Takao Doi, JAXA Astronaut; Pres.

George W. Bush; Leland Melvin, Astronaut discusses humans

are explorers; Presidents George H.W. Bush and Bill Clinton talk about going to Mars; Lowery Duvall, Aerospace Engineer talks about what NASA stands for; Ray Bradbury, Author talks about the Future of Mankind.
Audience: Site: KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/16/2008 - 0:26:00 Producer: NASA KSCTV

AVC-2011-208-1/1 **NASA's 50th Anniversary Video-Short Version**

George Hopson, Aerospace Engineer/Cold War
1957-Sputnik; U.S. Senator John Glenn, Astronaut; James Lovell, Astronaut building satallites; Explorer 1, John Casani, Proj. Mgr.; October 1, 1958 T.Keith Glennan, First NASA Administrator
1960's
Alan Shepard, Astronaut-Firstin Space Flight; Chris Kraft, Jr. Flight Director-Freedom 7
Pres. John F. Kennedy; Christine Darden, Aerospace Engineer; View of Earth from Space; Press and camera shots; Bill Snoddy, Aerospace Engineer; X-15; Paul Kutler, Computational Scientist-Sonic Booms; Gemini, Michael Collins, Astronaut; Wlater Cunningham, Astronaut; Fire on Pad; Apollo 7 a Triumph from a Disaster; Buzz Aldrin, Astronaut-images of the Moon and the astronaut saying: "The Eagle has Landed" and "One Small Step for Man One Giant Leap For Mankind"
1970's
Bill Krantz, Flight Dir.-discusses TRUST and last minute decisions; Apollo 13; Shot of exploring the Moon; Eugene Cernan, AStronaut; Astronaut with American Flag on Moon; SKYLAB-Richard Fisher, Heliophysics Director; Alan Bean, Astronaut; Pres. Gerald Ford expresses admiration; Ansel Butterfield (1925-2006) Viking Parts Manager; Images of the Moon; Edward Stone, Voyager Scientist-Neptune Flyby
1980's
First Space Shuttle/Discovery
Sally Ride, First U.S. Woman Astronaut to go in space; Guion Bluford, Jr., First African American Astronaut; Joe Kosmo, Sr., Proj. Engineer talks about RISKS and the Challenger Accident
1990's
Discovery-Hubble Space Telescope; Ray Crocker, Hubble Engineer; John Mather, Proj. Scientist-Big Bang Radiation;

Shannon Lucid, Astronaut-Shuttle MIR Program
2000's
Expedition 1 crew to International Space Station; Pictures of Crew of Space Shuttle Columbia; Delta Launch of the Rover Opportunity; Images of Mars; Scott Maxwell, Mars Rover Driver; Carl Waltz, AStronaut-Arrival on the International Space Station; Peggy Whitson, Astronaut; Takao Doi, JAXA Astronaut; Pres. George W. Bush Address; Presidents George H. W. Bush and Bill Clinton make comments about going to Mars; Leland Melvin, Astronaut talks about how we are explorers; Lowery Duvall, Aerospace Engineer talks about what NASA stands for.
Audience: Site: NASA KSC
Client: Anita Sohus
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/23/2008 - 0:12:00 Producer: NASA KSC

AVC-2011-210-1/1 **Aquarius Yields First Global Map of Ocean Salinity - VF**
NASA's new Aquarius instrument has produced its first global map of the salinity, or saltiness, Earth's ocean surface.Includes: Global Map animation;7-day cycle animation;launch & cleanroom b-roll;spacecraft animation;interviews;water cycle,circulation,salt animation; ocean b-roll
Audience: NASA News Resource
Client: NASA TV/Alan Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/22/2011 - 0:09:29 Producer: Savona/Hill

AVC-2011-214-1/1 **Computer Science Space Connection: Software in Space-De Jong**
This pilot includes interviews with the people who design the software that enable robotic spacecraft to observe the Earth, visit the planets in our solar system and explore to the edge of the Universe. Computer graphic images and video of mission operations illustrate the application of computer software to NASA missions. Athlete and Robonaut laboratory and field tests demonstrate the capability of the next generation of robot explorers.
Audience: Tech.
Client: Eric De Jong
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/28/2011 - 0:08:36 Producer: Savona/De Jong

AVC-2011-217-1/1 **NASA Leads Study of Unprecedented Arctic Ozone Loss - VF**
A NASA-led study using Aura Microwave Limb Sounder (MLS) data has documented an unprecedented depletion of Earth's protective ozone layer above the Arctic last winter and spring. Includes: Ozone and Chlorine monoxide data from (MLS); interview and animation of the Aura and Calipso spacecraft.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Buis/Hill
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/30/2011 - 0:05:58 Producer: Savona/Hill

AVC-2011-219-1/1 **The Journey Continues-International Space Station**
Aboard the International Space Station
Chris Ferguson-STS 135 Mission Commander; Sandra Magnus-STS-135 Mission Specialist; Rex Walheim-STS-135 Mission Specialist; Doug Hurley-STS-135 Mission Pilot
Audience: Site: ISS
Client: Eric De Jong
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
07/15/2011 - 0:02:18 Producer: NASA KSCTV

AVC-2011-221-1/1 **Spirit Looks Back**
Captioned images provide a retrospective of Mars Exploration Rover Spirit's career. With music.
Audience: JPL NASA
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/06/2011 - 0:02:51 Producer: Beck

AVC-2011-224-1/1 **A Planet with Two Suns - Kepler - Web Video**
Animation: a gaseous planet discovered by NASA's Kepler mission, "Kepler 16-b," circling two stars every 229 Earth days: side view then overhead view. The stars orbit each other every 41 days.
Audience:
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/15/2011 - 0:01:18 Producer: Kline

AVC-2011-225-1/1 **Rover's Eye View of Three-Year Trek on Mars - MER Opportunity**
309 images of the martian horizon taken during 13-mile

journey from Victoria crater to Endeavour crater. Numbers at top left are martian day numbers (sols). Audio comes from rover accelero-
meter data adjusted to an audible frequency.
Audience:
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/06/2011 - 0:02:58 Producer: Kline

AVC-2011-226-1/1 **NEOWISE: WISE Finds Fewer Asteroids near Earth - Web Video**
Narrator: Amy Mainzer, NEOWISE Principal Investi- gator. Description of near-Earth asteroid census made by Wide-field Infrared Explorer (WISE), differences in expected quantities, imaging with infrared vs. visible light.
Audience:
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/28/2011 - 0:01:31

AVC-2011-227-1/1 **NASA Finds Fewer Asteroids near Earth - NEOWISE Video File**
WISE has found there are fewer asteroids in the vicinity of Earth than previously thought.Graphics & animation show old & new estimates and compare infrared studies to visible-light studies. Inter- views: Amy Mainzer, NEOWISE Principal Investigator & Don Yeomans, Mgr. Near-Earth Object Office.
Audience:
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/28/2011 - 0:04:54 Producer: Kline

AVC-2011-229-1/2 **von Kármán Lecture - "A Self-Powered Underwater Robot"**
Thomas Valdez describes the Sounding Oceanographic Lagrangrian Observer Thermal Recharging autonomous underwater vehicle in a talk entitled, "A Self-Powered Underwater Robot for Ocean Exploration and Beyond".
Audience: Gen. Site: 321-Aud
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/13/2011 - 1:04:00 Producer: Semerano

AVC-2011-229-2/2 **von Kármán Lecture - "A Self-Powered Underwater Robot"**

Thomas Valdez describes the Sounding Oceanographic Lagrangrian Observer Thermal Recharging autonomous underwater vehicle in a talk entitled, "A Self-Powered Underwater Robot for Ocean Exploration and Beyond".
Audience: Gen. Site: 321-Aud
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/13/2011 - 0:10:18 Producer: Semerano

AVC-2011-230-1/1 **NASA Surfs the Skies above Oahu, Hawaii - Web Video**
This fly-over of Oahu was made by draping Jan. 13, 2010, image data from the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) instrument on NASA's Terra spacecraft over new ASTER Version 2 digital elevation data. Vertical dimensions are exaggerated 2x.
Audience: Gen. JPL NASA News
Client: Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
10/14/2011 - 0:01:21 Producer: Kline

AVC-2011-235-1/1 **NASA/JPL Climate Day 2011**
JPL Earth scientists and educators present the science of global climate change to high school students at the Pasadena Convention Center.
Keynote Speaker, Alec Loorz, founder of Kids vs Global Warming.
Audience: Gen. JPL NASA Site: Pasadena Conv
Client: Annie Richardson
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/27/2011 - 0:02:35 Producer: Savona

AVC-2011-241-1/1 **Asteroid 2005 YU55 - Web Video**
Scientists track asteroid 2005 YU55 with antennas of the Deep Space Network (DSN) at Goldstone, California as the space rock safely flies past Earth slightly closer that of the moon's orbit on Nov. 8, 2011. It's an opportunity for scientists to scan the asteroid during its close pass.
Audience: Gen. JPL NASA News
Client: Agle/Hill
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/03/2011 - 0:01:57 Producer: Savona/Hill

AVC-2011-242-1/1 **Asteroid 2005 YU55 - Video File**
Scientists track asteroid 2005 YU55 with antennas of the Deep Space Network at Goldstone, California as YU55 safely flies past Earth slightly closer that the moon's orbit on Nov. 8, 2011.Includes: YU55radarimage;animation;arecibopix;GoldstoneB-roll;interview;radarimagesofJL33&CR37&asteroidANI.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/03/2011 - 0:03:52 Producer: Savona

AVC-2011-243-1/1 **"What's Up" Archive #5 - November 2011 to**
Astronomy series for the general public. A guide to naked-eye and small-telescope viewing featuring topics relevant to the month each episode airs.
CONTINUALLY UPDATED
2011: Nov.
2012:
Audience: Gen. JPL NASA
Client: Wessen
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/03/2011 - 0:00:00 Producer: Kline

AVC-2011-247-1/1 **Launch Nears for NASA's Car-Size Mars Rover MSL - Video File**
Mars Science Laboratory "Curiosity" is being prepared for launch from Florida's Space Coast.
Includes: Spacecraft being moved to launch complex at Kennedy Space Ctr.; rover in KSC clean room; mission animation; animated flyover of landing site at Gale Crater and interviews.
Audience: Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/09/2011 - 0:14:13 Producer: Savona/Hill

AVC-2011-250-1/2 **von Kármán Lecture: Bringing the High Energy Universe Into Focus**
Dr. Fiona Harrison, Principal Investigator, NuSTAR/Caltech discussed the Nuclear Spectroscopic Telescope Array (NuSTAR) that will carry into orbit the first astronomical telescope capable of focusing energy X-rays.
Audience: Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800

Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/10/2011 - 1:03:48 Producer: Hardine

AVC-2011-250-2/2 **von Kármán Lecture: Bringing the High Energy Universe Into Focus**
Dr. Fiona Harrison, Principal Investigator, NuSTAR/Caltech discussed the Nuclear Spectroscopic Telescope Array (NuSTAR) that will carry into orbit the first astronomical telescope capable of focusing energy X-rays.
Audience: Site: von Kármán Aud
Client: Blaine Baggett, Org. 1800
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/10/2011 - 0:10:45 Producer: Hardine

AVC-2011-254-1/1 **Re-launching History (Web Video) with Dr. Greg Lyzenga**
DVD also available.
Audience: Gen. JPL
Client: Baggett
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/16/2011 - 0:03:40 Producer: Harris/Hill

AVC-2011-256-1/1 **NASA Science Update-Europa's Hidden Lakes**
Moderator: Dwayne Brown, NASA Headquarters Office of Communications; Panelist: Britney Schmidt, Univ. of Texas/Austin; Tom Wagner, Proj. Scientist-NASA HQ.; Tory Polar, Astro Biologist & Sr. Research Scientist-Ames Research Center; Louise Prockter, Scientist-Johns Hopkins A.P.L
Audience: Site: NASA HQ
Client: Veronica McGregor
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/14/2011 - 0:31:00 Producer: Hanchett

AVC-2011-258-1/1 **NASA MSL Press Conference**
NASA MSL press conference from KSC features Michael Meyer, lead scientist for Mars Exploration programs; Bethany Ehlmann, assistant professor at Caltech; and John Grotzinger, MSL project scientist. George Diller, NASA public affairs, moderates this 10am PST event.
Audience:
Client:
Master:

Audio 1: Mono mix 2: Mono mix
11/21/2011 - 0:28:00

AVC-2011-259-1/1 **NASA News Conference "Looking for Signs of Life in the Universe"**
NASA News Conference from KSC features Mary Voytek, NASA Director of Astrobiology; Pan Conrad, MSL Deputy Principle Investigator; Jamie Foster, University of Florida; Steve Benner, Director of Applied Molecular Evolution; and Catharine Conly, Planetary Protection Officer. George Diller hosts.
Audience: Resource Site: NASA-TV
Client: BB
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/22/2011 - 0:46:48 Producer: Stumpp

AVC-2011-260-1/2 **NASA MSL Science Briefing**
NASA MSL Science Briefing from KSC features Michael Meyer, lead scientist; John Grotzinger, project scientist; Michael Malin, Malin Space Science Systems; Roger Wiens, Los Alamos National Laboratory; David Blake, Aames Research Center; and Paul Mahaffy, Godard Space Flight Center.
Audience: Resource Site: KSC
Client: BB
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/22/2011 - 1:04:00 Producer: Stumpp

AVC-2011-261-1/1 **NASA MSL Pre-Launch News Conference**
The NASA Pre-Launch News Conference for MSL from KSC features JPL's Pete Theisinger, project manager; Collen Hartman, Science Mission Directorate; Omar Baez, launch director; Vernon Thorp, ULA; and Joel Tumbiolo, launch weather officer. George Diller hosts.
Audience: Resource Site: KSC
Client: BB
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/23/2011 - 0:52:00 Producer: Stumpp

AVC-2011-262-1/1 **NASA MSL Press Briefing "Mission to Mars:Robotics and Humans Together"**
NASA's MSL Press Briefing from Johnson Space Center features Doug Ming, MSL co-investigator; Bret Drake, Human Spaceflight Architecture Team;

Matt Ondler, Advanced Project Development; Astronaut Mike Gernhardt; and John Charles, Human Research Program.
Audience: Resource Site: JSC
Client: BB
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/23/2011 - 0:47:00 Producer: Stumpp

AVC-2011-263-1/1 **NASA Press Briefing "Why Mars Excites and Inspires Us"**
NASA Press Briefing from KSC on "Why Mars Excites and Inspires Us" features Leland Melvin, NASA education administrator; Clara Ma, high school student; Scott Anderson, high school teacher; Laura Lyon, Harvard University student; and JPL's Veronica McGregor. George Diller moderates.
Audience: Resource Site: KSC
Client: SK
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/25/2011 - 0:46:00 Producer: Stumpp

AVC-2011-264-1/3 **NASA MSL Mars Science Lab Launch coverage**
Coverage of the Mars Science Laboratory (MSL) launch from Kennedy Space Center on NASA-TV. Launch is on tape three.
Audience: Resource Site: KSC
Client: SK
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 1:02:00 Producer: Stumpp

AVC-2011-264-2/3 **NASA MSL Mars Science Lab Launch coverage**
Coverage of the Mars Science Laboratory (MSL) launch from Kennedy Space Center on NASA-TV. Launch is on tape three.
Audience: Resource Site: KSC
Client: SK
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 1:02:00 Producer: Stumpp

AVC-2011-264-3/3 **NASA MSL Mars Science Lab Launch coverage (LAUNCH)**
Coverage of the Mars Science Laboratory (MSL) launch from Kennedy Space Center on NASA-TV.
Audience: Resource Site: KSC

Client: SK
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 1:02:00 Producer: Stumpp

AVC-2011-265-1/1 **NASA MSL Post-Launch Press Conference**
The NASA MSL Post-Launch Press Conference from KSC features JPL's Pete Theisinger, MSL project manager; Caltech's John Grotzinger, MSL project scientist; and Doug McCuisition, director for NASA's Mars Exploration Program. George Diller, NASA Public Affairs, moderates.
Audience: Resource Site: KSC
Client: SK
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
11/26/2011 - 0:37:42 Producer: Stumpp

AVC-2011-268-1/1 **Curiosity Heads to Mars - MSL Spacecraft Separation (WEB Video)**
The Mars Science Laboratory spacecraft separates from the upper stage of its Atlas V launch vehicle and heads to Mars.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/28/2011 - 0:00:45 Producer: Harris/Hill

AVC-2011-269-1/1 **The Challenges of Getting to Mars: Getting a Rover Ready for Mars**
Episode 3 of the MSL Challenges series covers the various assembly and testing work that went into preparing the Curiosity rover for launch. Features interviews with Peter Illsley, Rob Manning & Joel Krajewski.
Audience: Gen. Site: JPL/KSC
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/22/2011 - 0:04:23 Producer: Beck

AVC-2011-270-1/1 **Soar Over Asteroid Vesta in 3D - Dawn Web Video**
DVD Also Available.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/30/2011 - 0:01:40 Producer: Harris/Hill

AVC-2011-271-1/1 **Dawn Soars over Asteroid Vesta in 3-D - Video File**
Dawn has been orbiting Vesta since July 15, 2011, obtaining high-resolution images of its bumpy, pock-marked surface.
Includes: 3-D flyover video of Vesta; interview and animation of Dawn arriving at Vesta, orbiting the asteroid and flying over the surface.
Audience: JPL NASA News Resource
Client: NASA TV/Cook/Vega
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/30/2011 - 0:05:49 Producer: Savona/Hill

AVC-2011-272-1/1 **NASA's Voyager Hits New Region at Solar System Edge - VF**
NASA's Voyager 1 spacecraft has entered a new region in the borderlands between our solar system and interstellar space.
Includes: animation of Voyager 1 heading towards interstellar space; graphics of cosmic rays; graphic of magnetic field lines; animation of magnetic field and interview
Audience: JPL NASA News Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/01/2011 - 0:04:02 Producer: Savona/Hill

AVC-2011-274-1/1 **Flyover of Newton Crater on Mars - MRO Web Video**
DVD also.
Audience: Gen. JPL NASA
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/04/2011 - 0:01:25 Producer: Harris/Hill

AVC-2011-275-1/1 **Possible Water Flows on Warm Martian Slopes - MRO Web Video**
DVD also in library.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/04/2011 - 0:02:01 Producer: Harris/Hill

AVC-2011-276-1/1 **NASA's MRO Data Suggest Water Flowing on the Red Planet - VF**
DVD Also in library
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP

Audio 1: Mono mix 2: Mono mix
08/04/2011 - 0:11:42 Producer: Harris/Hill

AVC-2011-277-1/1 **Dark Hill on Asteroid Vesta**
DVD also in library.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/05/2011 - 0:00:38 Producer: Harris/Vega

AVC-2011-278-1/1 **Mars in a Minute: Is Mars Really Red?**
Mars is often known as the "Red Planet," but is it really read? This 60-second animated video, the first in the "Mars in a Minute" series, answers one of the most frequently asked questions about Mars. Illustrated/animated/narrated by Scott Hulme.
Audience: Gen. Edu. Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/10/2011 - 0:01:00 Producer: Hulme

AVC-2011-279-1/1 **Mars in a Minute: How Do You Get to Mars?**
What does it take to get a spacecraft from Earth all the way to Mars? There are a few key things to consider, as explained in this 60-second animated video -- the second in the "Mars in a Minute" series. Illustrated/animated/narrated by Scott Hulme.
Audience: Gen. Edu. Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/21/2011 - 0:01:00 Producer: Hulme

AVC-2011-280-1/1 **Asteroid 2005 YU55 Movies Made Nov. 7, 2011 at Goldstone**
1. 6-frame movie
2. 28-frame movie
Movie of Asteroid 2005 YU55 generated from data obtained by NASA's Goldstone Solar System Radar on Nov. 7, 2011, when YU55 was approximately 860,000 mi. (1.38 million kilometers) away from Earth.
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent

11/11/2011 - 0:00:55 Producer: Kline

AVC-2011-281-1/1 **Enceladus Sparkles in Radar View**
First synthetic aperture radar (SAR) views of Saturn's moon Enceladus on Nov. 6, 2011.
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
12/01/2011 - 0:00:56 Producer: Kline

AVC-2011-282-1/1 **GRACE Observes Melting of Greenland Ice**
Animation of data from the twin GRACE (Gravity Recovery and Climate Experiment) spacecraft shows changes in Greenland's ice mass from 2003 through 2011.
Audience: JPL NASA News
Client: Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
12/05/2011 - 0:00:59 Producer: Kline

AVC-2011-283-1/1 **Merging Tsunamis of the 2011 Tohoku-Oki Earthquake (Japan)**
Simulation of merging tsunamis on March 11, 2011 off the coast of northeast Japan.
Audience: JPL NASA News
Client: Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
12/05/2011 - 0:00:31 Producer: Kline

AVC-2011-284-1/1 **von Kármán Lecture Series: 2012 and the End of Days Phenomena**
Speaker Don Yeomans tries to separate myth from reality in this talk of the 2012 "End of Day's" concept. Yeomans discusses the many ideas of the Earth's demise: the planets align; an unseen rogue planet hits Earth; the Earth's poles will shift and the sun's pathway through the Milky Way.
Audience: Gen. Site: von Kármán Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/08/2011 - 0:48:00 Producer: Savona

AVC-2011-285-1/1 **2011 JPL Invention Challenge - It's a Kick**
Twenty-three high school teams and seven JPL teams compete side-by-side in the Lab's annual Invention Challenge. This year's contest objective is to create a device that kicks a

regulation size and weight football into a trashcan located five meters away.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/14/2011 - 0:02:02 Producer: Savona/Hill

AVC-2011-289-1/1 **Sleigh Ride Over the Red Planet - MRO HiRISE Web Video**
DVD Also available.
Audience: Gen. JPL NASA
Client: McGregor
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/20/2011 - 0:01:33 Producer: Harris

AVC-2011-292-1/1 **NASA's Cassini Delivers Holiday Treats From Saturn - VF Video File**
DVD also available.
Audience: Gen. JPL NASA
Client: HQ
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/21/2011 - 0:02:23 Producer: Harris/Hill

AVC-2011-293-1/1 **GRAIL Media B-Roll**
Video File (12/28/11); Spacecraft separation; mission animation narrated by Maria Zuber; Delta II prepped for launch; three angles of the moon's surface
Audience: News
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/23/2011 - 0:15:01 Producer: Doherty/Mejia

AVC-2011-294-1/1 **Cassini/Huygens Animation Collection**
Footage of the spacecraft going around Saturn; Black and white pictures of the surface, and the Titan probe release along with the descent and landing. Produced by the Solar System Visualization Group-DIAL Lab
Audience: Site: JPL
Client: Eric De Jong
Master: DVCProHD Submaster: DVCProHD
Audio 1: NO AUDIO 2: NO AUDIO
01/19/2005 - 0:11:15 Producer: Eric De Jong

AVC-2011-295-1/1 **NASA's GRAIL Twins on Final Approach for New Year's Moon Arrival - VF**

DVD also in library.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/23/2011 - 0:08:11 Producer: Savona/Doherty/Harri

AVC-2011-296-1/1 **GRAIL-A Arrives in Lunar Orbit - Web Video**

DVD also in Library.
Audience: Gen. JPL NASA News
Client: GRAIL Mission
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/31/2011 - 0:01:03 Producer: Harris/McGregor/Agle

AVC-2012-003-1/1 **Curiosity Tweaks Course to Mars - Cruising W/Curiosity - MSL Web Video**

DVD also in library
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/12/2012 - 0:01:29 Producer: Harris/Hill

AVC-2012-005-1/1 **NASA Science Briefing GRAIL "Students Name Lunar Twins"**

NASA Science Briefing to announce Emily Dickinson Elementary School in Bozeman, Mont. as contest winner to name the GRAIL Lunar Twins as "Ebb and Flow." Dwayne Brown hosts, along with Leland Melvin, Jim Green and Maria Zuber, principal investigator. Sally Ride participates via phone.
Audience: Site: HQ
Client: BB
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/17/2012 - 0:22:12 Producer: Langley

AVC-2012-008-1/2 **von Kármán Lecture Series - "The Art of Image Processing"**

Dr. Robert Hurt, Visualization Scientist, Spitzer Science Center, Caltech, presents an overview on the nature of color and wavelengths and how they can be used and combined to image stars and galaxies.
Audience: Gen. JPL Site: von Kármán Aud
Client: Marc Razze

Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/19/2012 - 1:00:00 Producer: Semerano

AVC-2012-008-2/2 **von Kármán Lecture Series - "The Art of Image Processing"**
Dr. Robert Hurt, Visualization Scientist, Spitzer Science Center, Caltech, presents an overview on the nature of color and wavelengths and how they can be used and combined to image stars and galaxies.
Audience: Gen. JPL Site: von Kármán Aud
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/19/2012 - 0:23:00 Producer: Semerano

AVC-2012-011-1/1 **MRO Instrument Pointing Simulation & Mars Color Imager Camera (MARCI)**
Mars Reconnaissance Orbiter Instrument Pointing Simulation 4-7-06, 1:42 Min. Animation featuring the spacecraft moving to get into position for optimal martian snapshots. Color Imager Instrument Pointing Sumulation 4-13-06, 19 sec., this animation highlights the first use of the MARCI(Mars Color Imager) camera on Mars Reconnaissance Orbiter.
Produced by: The Solar System Visualization Group
Eric De Jong, Zareh Gorjian, Mike Stetson, Kaji Kuramura, Jason Craig, Chris Leuong, Rob Baldwin
RECORD in 1080
Audience: Site: JPL DIAL LAB
Client: Elena Mejia, Org. 1870
Master: DVCProHD Submaster: DVCProHD
Audio 1: SILENT 2: SILENT
04/07/2006 - 0:02:13 Producer: SSV Group/De Jong

AVC-2012-012-1/2 **The Lunar Report: Ranger Surveyor: Semi-Annual Report #11 (Reel #1)**
January 1 through June 30, 1963
Shows various shots of spacecraft; solar panels; Men working; JPL preferred parts list; Shake tests; Assembly; TV Split System Plans/Drawings
Audience: Site: JPL
Client: Blaine Baggett, Org. 1800
Master: HDCam Submaster: DVCProHD
Audio 1: SILENT 2: SILENT
01/01/1963 - 0:20:19 Producer: JPL Photo Lab

AVC-2012-012-2/2 **The Lunar Report: Ranger Surveyor: Semi-Annual Report #11 (Reel #2)**

January 1 through June 30, 1963
Shows various Testings; Canopus Sensor Field of View Output; Black & White of High Bay in Spacecraft Assembly Facility (SAF); Black and White images; Drop Test; Men working on spacecraft.
Audience: Site: JPL
Client: Blaine Baggett, Org. 1800
Master: HDCam Submaster: DVCProHD
Audio 1: SILENT 2: SILENT
01/01/1963 - 0:15:58 Producer: JPL Photo Lab

AVC-2012-017-1/1 **View from the Far Side of the Moon - GRAIL Web Video - Ebb**
DVD also available.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/31/2012 - 0:00:57 Producer: Harris/Agle

AVC-2012-018-1/1 **NASA GRAIL Moon Mission Beams First Video of Far Side - Video File**
Video also contains b-roll of the GRAIL launch on Sep. 10, 2011 and GRAIL mission animation.
DVD also available.
Audience: Gen. JPL NASA News
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/31/2012 - 0:03:53 Producer: Harris/Agle

AVC-2012-019-1/1 **Montana 4th Graders Name GRAIL Spacecraft Twins - Web Video**
Includes Skype video of kids announcing the names "Ebb" & "Flow".
Audience: Gen. JPL NASA News
Client: Agle
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/17/2012 - 0:01:32 Producer: Kline

AVC-2012-020-1/1 **Opportunity: 8 Years and Counting - Web Video**
John Callas, Mars Exploration Rover Project Manager, describes the rover Opportunity's mission accomplishments to date and how the rover will measure Mars' rotation while Opportunity is parked for the Martian winter.
Audience: Gen. JPL NASA News

Client: Webster
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/23/2012 - 0:02:39 Producer: Kline

AVC-2012-021-1/1 **Aquarius Yields NASA's First Global Map of Ocean Salinity - WebVid**
Animation of rotating Earth with Aquarius data superimposed on it.
Audience: Gen. JPL NASA News
Client: Buis
Master: DVCProLP
Audio 1: Silent 2: Silent
09/27/2011 - 0:00:39 Producer: Savona

AVC-2012-022-1/1 **The Challenges of Getting to Mars: Transporting a Mars Rover**
Episode covering the transportation of the Curiosity Rover to Kennedy Space Center. Interview with Peter Illsley. Includes nat sound version with seperate FX.
Audience: Gen. Edu. JPL NASA News
Client: Mars Public Engagement
Master: DVCProLP Submaster: DVCProLP
Audio 1: Stereo mix 2: Stereo mix
None
11/16/2011 - 0:05:38 Producer: Tozzi

AVC-2012-023-1/1 **The Challenges of Getting To Mars: Launching a Mars Rover**
Episode covering the challenges associated with launching the Curiosity rover. Includes Nat Sound version with seperate FX.
Audience: Gen. Edu. JPL NASA News
Client: Mars Public Engagement
Master: DVCProLP Submaster: DVCProLP
Audio 1: Stereo mix 2: Stereo mix
None
01/26/2012 - 0:05:00 Producer: Tozzi

AVC-2012-024-1/1 **NASA Mission Takes Stock of Earth's Melting Land Ice - Video File**
Animation was produced by Goddard.
Audience: Gen. JPL NASA News
Client: Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/07/2012 - 0:05:34 Producer: Kline

AVC-2012-025-1/1 **GRACE Mission Measures Global Ice Mass Changes - Web Video**
Animation was produced by Goddard.

Audience: Gen. JPL NASA
Client: Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/08/2012 - 0:01:48 Producer: Kline

AVC-2012-028-1/1 **Views Show Old NASA Mars Landers - MRO HiRise Video File -VF**
DVD also available.
Audience: Gen. JPL NASA News
Client: HQ
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/08/2012 - 0:01:28 Producer: Harris/Hill

AVC-2012-036-1/2 **VK Lecture Series-"Climate Sciences & the Climate Center of JPL"**
Graeme Stephens, director of the JPL Center for Climate Science and principal investigator for the CloudSat mission, discusses key areas in climate sciences which are used to help develop our understanding of Earth's climate processes.
Audience: Gen. JPL
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/16/2012 - 1:03:00 Producer: Semerano

AVC-2012-036-2/2 **VK Lecture Series-"Climate Sciences & the Climate Center of JPL"**
Graeme Stephens, director of the JPL Center for Climate Science and principal investigator for the CloudSat mission, discusses key areas in climate sciences which are used to help develop our understanding of Earth's climate processes.
Audience: Gen. JPL
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/16/2012 - 0:13:00 Producer: Semerano

AVC-2012-046-1/4 **Women's History Month: Leaders in Space Exploration (8:45am-9:50am)**
Intro: Dr. Cinzia Zuffada, Associate Chief Scientist/JPL introduces Dr. Charles Elachi, JPL Director and Moderator Patt Morrison, Journalist, author, radio-television personalisty.
Panelists: Margaret Kivelson, UCLA; Maria Zuber, MIT and GRAIL Principal Investigator; Amy Mainzer, JPL's Deputy Project Scientist for WISE and Principal Investigator for the NEOWISE project; Carol Raymond JPL's DAWN Deputy

Principal Investigator; Fiona Harrison,Caltech Professor of Physics and Astronomy Space Radiation Lab (SRL)
Audience: Site: 321 Auditorium
Client: Cinzia Zuffada
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/08/2012 - 1:03:49 Producer: Hardine

AVC-2012-046-2/4 **Women's History Month: Leaders in Space Exploration (9:50am-10:30am)**

Fiona Harrison,Caltech Professor of Physics and Astronomy Space Radiation Lab (SRL)
Questions and Answers with the audience and speakers as Patt, Morrison, journalist, author, radio-television personality moderates.
Dr. Zuffada announces a break for Networking.
Audience: Site: 321 Auditorium
Client: Cinzia Zuffada
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/08/2012 - 0:39:00 Producer: Hardine

AVC-2012-046-3/4 **Women's History Month: Leaders in Space Exploration (11am-12 Noon)**

Women at JPL: Inspiring career stories and panel discussion.
Dr. Cinzia Zuffada introduces the Moderator, Cozette Hart, Director of HR; Panelists: Dr. Mag Powell-Meeks, Associate Chief Information Officer; Dr. Claudia Alexander, Scientist who specializes in the phsics of comet interiors and comet evolution; Jan Chodas, Project Manager for the JUNO Mission; Kendra Short,Division Manager for Mechanical Sysstems Engineering Fabrication Test; Elizabeth Kay-Im, Section Manager for Instrument Software & Data Systems; Dr. Rosaly Lopes, Deputy Manager of Planetary Sciences and Parvin Kassie, Section Manager of Education.
Audience: Site: 321 Auditorium
Client: Cinzia Zuffada
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/08/2012 - 1:03:00 Producer: Hardine

AVC-2012-046-4/4 **Women's History Month: Leaders in Space Exploration (12:00-12:11noon)**

JPL outreach to female students and graduates.
Parvin Kassie, Section Manager of Education tells the audience about job opportunites for paid internships,

fellowships and Research Post-DocPrograms at JPL. Cozette Hart also talks about employment opportunities for New grads and Inter (Summer & Parttime) at all degree levels; Closing remarks by Dr. Cinzia Zuffada.
Audience: Site: 321 Auditorium
Client: Cinzia Zuffada
Master: DVCProHD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/08/2012 - 0:11:00 Producer: Hardine

AVC-2012-048-1/1 **12-21-2012: Just Another Day**
DVD also available.
Audience:
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/13/2012 - 0:03:31 Producer: Harris/Hill

AVC-2012-050-1/2 **von Kármán Lecture Series - "Mysterious Titan"**
Trina Ray, co-chair of the Titan Orbiter Science team talks about Saturn's largest moon - the mission by Cassini-Huygens, the geography, oceans and atmosphere.
Audience: Gen. Edu. Tech. JPL Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/15/2012 - 1:03:00 Producer: Hollander

AVC-2012-050-2/2 **von Kármán Lecture Series - "Mysterious Titan"**
Trina Ray, co-chair of the Titan Orbiter Science team talks about Saturn's largest moon - the mission by Cassini-Huygens, the geography, oceans and atmosphere.
Audience: Gen. Edu. Tech. JPL Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/15/2012 - 0:24:00 Producer: Hollander

AVC-2012-056-1/1 **Mars Lander Compilation**
Animation with sound effects of three spacecraft at Mars:
1) Mars Science Laboratory ("Curiosity")
11:20 2) Phoenix Animation - Includes Launch 3:01 3) Mars Exploration Rover 7:25
Audience:

Client:
Master: DVD
Audio 1: Mono mix 2: Mono mix
03/21/2012 - 0:21:00 Producer: Semerano

AVC-2012-057-1/1 **NASA's Lunar Spacecraft Returns 1st Images Selected by Students - VF**
3 stills generated by MoonKAM (Moon Knowledge Acquired by Middle school students) aboard NASA's GRAIL (Gravity Recovery And Interior Laboratory) mission. Images acquired from the "Ebb" spacecraft 3/15-18/2012. Also: GRAIL launch and GRAIL mission animation.
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/22/2012 - 0:03:43 Producer: Kline

AVC-2012-058-1/1 **The Challenges of Getting to Mars: The Cruise To Mars**
Explains the Cruise phase of the MSL/Curiosity mission covering Trajectory Correction Manuevers and thermal tuning. Interviews with Navigation team members. Includes a dialog L and FX R version.
Audience: Resource Site: JPL
Client: Mars Public Engagement, Org. S
Master:
Audio 1: Stereo L 2: Stereo R
None
03/27/2012 - 0:03:23 Producer: Tozzi

AVC-2012-059-1/1 **FIRST Robotics (Web Video)**
21st Los Angeles Regional FIRST Robotics Competition at the Long Beach Convention Center. 66 high school teams compete.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/29/2012 - 0:01:17 Producer: Doherty

AVC-2012-063-1/1 **Storm Chaser on Mars (Web Video)**
The Mars Reconnaissance Orbiter snaps a high resolution image of a dust devil in action on the surface of Mars. A 3D simulation shows what it would look like if you were flying 360 degrees around it. Narrated by Rich Zurek, MRO Project Scientist.
Audience: Gen. Edu. JPL NASA
Client: Zurek

Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/20/2012 - 0:01:13 Producer: Doherty

AVC-2012-064-1/1 **MRO Catches Twister in Action (Video File)**
A whirlwind on Mars lofts a column of dust more that half a mile high in an image from the HiRISE camera on the Mars Reconnaissance Orbiter.
Audience:
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/16/2012 - 0:04:04 Producer: Doherty

AVC-2012-070-1/1 **von Kármán Lecture - "Gale Crater: Exploring the MSL Landing Site"**
Dr. Matthew Golombek, Senior Research Scientist, gives a presentation on the selection of the Gale Crater landing site that was made during a five year process, which involved broad participation of the science community.
Audience: Gen. Site: von Kármán Aud.
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/12/2012 - 1:02:00 Producer: Semerano

AVC-2012-073-1/1 **Cassini Sees New Objects Blazing Trails in Saturn's F Ring - VF**
Movies highlighting trails caused by small objects punching through Saturn's F ring. Movie: moon Prometheus drags particles out of F ring. Stills: trail seen during Saturn Orbit Insertion/2004; six typical trails; four unusual trails; animation of Cassini spacecraft.
Audience: JPL NASA News
Client: Cook
Master: DVCProHD Submaster: DVCProLP
Audio 1: Silent 2: Silent
03/29/2012 - 0:02:50 Producer: Kline

AVC-2012-074-1/1 **Saturn's Weirdest Ring - Web Video**
Carl Murray, Cassini Imaging Team member, narrates movies of Saturn's F ring and the moon Prometheus as it drags ice particles out of the F ring, forming "mini-jets".
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/29/2012 - 0:02:07 Producer: Kline

AVC-2012-075-1/1 **NASA's Dawn Spacecraft Reveals Secrets of Giant Asteroid - VF**
B&W and colorized images of Aquilia region & Vibidia crater on Vesta, colorized images of Tappeia crater, movie made from Dawn data showing shape & gravity field of Vesta, animation of Dawn over Vesta.
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
04/25/2012 - 0:02:41 Producer: Kline

AVC-2012-076-1/1 **Vesta's Shape and Gravity - Web Video**
Video from NASA's Dawn mission shows shaded topo- graphy of the giant asteroid Vesta (left) & its gravity field (right). Dashed line indicates North
-South axis. Red areas have higher than average gravity; dark blue areas have weaker than average gravity, mostly due to formation of impact basins.
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
04/25/2012 - 0:01:21 Producer: Kline

AVC-2012-084-1/1 **Dawn's Virtual Flight Over Vesta - Web Video**
Simulated flight into sunrise along Vesta's equa- tor over Divalia Fossa (parallel troughs), Marcia Crater (nicknamed "Snowman"), Aricia Tholus (mountainous area more than 3 miles high north of Vesta's equator). Flyovers created by German Aerospace Center (DLR) using Dawn images.
Audience: Gen. JPL NASA
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/09/2012 - 0:01:36 Producer: Kline

AVC-2012-085-1/1 **Touring Vesta's Craters - Web Video**
B&W movie: Rheasilvia basin in S. hemisphere; color version highlights topography; enhanched color movie of "Snowman" feature in N. hemisphere;
Oppia crater in S. hemisphere showing composition of surface & age.
Audience: Gen. JPL NASA
Client: Cook
Master: DVCProLP Submaster: DVCProLP

Audio 1: Mono mix 2: Mono mix
05/10/2012 - 0:02:25 Producer: Kline

AVC-2012-086-1/1 **NASA's Dawn Defines Vesta's Role in Solar System History - video file**
Movies of Rheasilvia basin, "Snowman" feature, Oppia crater, Vesta rotating. Still of meteorites confirmed to have come from Vesta. Anim: Dawn spacecraft over Vesta. Artist's concept: Vesta's internal structure. Interview: Carol Raymond, Dawn Deputy Principal Investigator, JPL.
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/10/2012 - 0:07:14 Producer: Kline

AVC-2012-087-1/1 **Mars Science Laboratory Reporter Field Trip - video file**
MSL Project Scientist John Grotzinger held a work- shop in the Mojave Desert to show science writers how researchers will study geology using Curiosity rover. Video: MSL Launch Nov. 26, 2011. Animation: MSL mission & Curiosity Rover. Interview excerpts featuring Grotzinger.
Audience: JPL NASA News
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/03/2012 - 0:10:08 Producer: Harris/Kline

AVC-2012-088-1/2 **von Kármán Lecture Series - "The Quest for Other Worlds Like Earth"**
Kepler Project Scientist Nick Gautier gives a presentation on the discovery of hundreds of planets orbiting other stars. The Kepler mission is specifically designed to survey our region of the Milky Way galaxy to discover Earth-size and smaller planets where water might exist.
Audience: Gen. JPL Site: von Kármán Aud.
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/10/2012 - 1:00:00 Producer: Semerano

AVC-2012-088-2/2 **von Kármán Lecture Series - "The Quest for Other Worlds Like Earth"**
Kepler Project Scientist Nick Gautier gives a presentation on the discovery of hundreds of planets orbiting other stars. The Kepler mission is specifically designed to survey our region of the Milky Way galaxy to discover Earth-size and smaller planets where water might exist.
Audience: Gen. JPL Site: von Kármán Aud.

Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
05/10/2012 - 0:24:00 Producer: Semerano

AVC-2012-090-1/1 **Viking for TV Distribution-(Mariner 4 & 9) (Film 1040-3-Same as 1064)**
Same as JPL 1064-BETTER Color-Audio lower-NASA HQ 266
Produced by Image Associates-A Byron color correct print
Pictures of JPL laboratory with people walking around;
Status board in Mall area of Viking 1 & 2;
Summer 1975-Titan Centar Rocket launch; Animation of early stages of spacecraft & description of orbiter and lander; B. Gentry Lee-Director of Science Analysis and Mission Planniong talks about Missions; Animation and real video of Entry Descent and Landing (EDL); Dr. Thomas A.. Mutch-Leader of Lander Imaging Team; Pictures of cameras; Testing in Colorado Desert of cameras and prints; July 14, 1 65-Mariner 4 images-Sand Dunes, Moons and volcanoes; Mariner 9 B&W images of Swirls of Dust and various features of the surface of Mars; Picture of the lander and orbiter; picture of a channel shown on Mars to prove water existed; Antartica-Salt crystals, and moss; Testbed model of Viking and soil sampling-SOUND of ARM!; Instruments and 3 different experiments-Biology investigations; team in a meeting; July 4 #1 and Sept. 4 #2 Landings; Gentry Lee talks about life on Mars and his personal story of having his first child;
Program Director Kenneth Grimm and participants: Walter Jakobowski, B. Gentry Lee, Dr. Joshua Lederberg, Dr. Lynn Margulis, Dr. Thomas A. Mutch, Dr. Carl Sagan, Dr. Gerald A. Soffen, Dr. Richard S. Young.
Audience:
Client: Blaine Baggett
Master: HDCam Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
16mm film transfer on 4/16/12 by FotoKem
01/13/1976 - 0:27:59 Producer: NASA HQ

AVC-2012-100-1/1 **ASCENT-Commemorating Shuttle-Special Edition (SUBTITLED)**
Compilation of film and video presents the best of the best ground based Shuttle motion imagery from the STS-114, STS-117 and STS-124 missions. Rendered in the highest definition possible. A tribute to the dozens of men & women of the Shuttle imaging team and the 30 years of success.
Audience: Site: Glenn Research
Client: James Firak
Master: DVD Submaster: DVD

Audio 1: Mono mix 2: Mono mix
04/23/2012 - 0:45:21 Producer: NASA Glenn

AVC-2012-104-1/1 **Mars in a Minute: How Do You Land on Mars?**
Landing a spacecraft on Mars is one of the trickiest things we do. This 60-second video explains how it's done, and the three landing systems we use at the Red Planet.
Illustrated/animated/narrated by Scott Hulme.
Audience: Gen. Edu. JPL Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/13/2012 - 0:01:00 Producer: Hulme

AVC-2012-105-1/1 **Mars in a Minute: Where Does Your Curiosity Lead?**
Curiosity is a big part of what it means to be human. It's also the name of NASA's next Mars rover. This 60-second video from NASA's Jet Propulsion Laboratory shows how one type of curiosity can inspire another.
Illustrated/animated/narrated by Scott Hulme.
Audience: Gen. Edu. JPL Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/11/2012 - 0:01:00 Producer: Hulme

AVC-2012-106-1/1 **Mars in a Minute: How Hard Is It to Land Curiosity on Mars?**
Landing the Curiosity rover on Mars is the most difficult and nail-biting part of the whole mission. See just how hard it is to land on Mars in this 60-second video.
Illustrated/animated/narrated by Scott Hulme.
Audience: Gen. Edu. JPL Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2012 - 0:01:00 Producer: Hulme

AVC-2012-108-1/1 **NuSTAR in Space - Web Video**
Animation of deployment of NuSTAR's 33-foot (10-meter) mast, scheduled for approximately 7 days after launch.
Audience: JPL NASA News
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
03/16/2012 - 0:01:09 Producer: Kline

AVC-2012-109-1/1 **Hunting Black Holes with X-Ray Eyes - NuSTAR Web Video**
Fiona Harrison, NuSTAR Principal Investigator, and Daniel Stern, NuSTAR Project Scientist, describe the NuSTAR mission including science goals and how the spacecraft was constructed.
Audience: JPL NASA News
Client: CClavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
04/30/2012 - 0:03:09 Producer: Kline

AVC-2012-111-1/1 **NASA Preparing to Launch Its Newest X-Ray Eyes - NuSTAR Video File**
Animations: NuSTAR deploying mast, galaxy with black hole at center, two galaxies merging, Pegasus launch. Video: NuSTAR testing, stock Pega- sus launch. Interviews: Fiona Harrison, Principal Investigator; Daniel Stern, Project Scientist; Yunjin Kim, Project Manager.
Audience: JPL NASA News
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/29/2012 - 0:11:16 Producer: Kline

AVC-2012-113-1/1 **Asteroid Vesta's Coat of Many Colors - Dawn Web Video**
Animation based on data from NASA's Dawn space- craft transitions from high-resolution black-and- white images wrapped onto a 3-D shape model of Vesta to false-color images. Colors highlight the differences in surface composition. Green shows relative abundance of iron.
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2012 - 0:01:27 Producer: Kline

AVC-2012-115-1/1 **In Memoriam: Ray Bradbury 1920-2012 - Web Video**
DVD also available
Audience: Gen. JPL NASA
Client:
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2012 - 0:04:06 Producer: Baggett/Harris

AVC-2012-121-1/1 **Inspired by Bradbury**
Author Ray Bradbury is shown during his last visit to JPL in

Feb. 2009, helping celebrate the success of rovers Spirit & Opportunity. Mars rover driver Ashley Stroupe describes how he "took us to Mars" before we knew how to actually go there. Bradbury is shown learning to drive a rover via simulation.
Audience: Gen. JPL NASA News
Client: Hill
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/07/2012 - 0:01:59 Producer: Kline

AVC-2012-122-1/1 **WISE Finds Few Brown Dwarfs Close to Home - Web Video**
Animation narrated by Davy Kirkpatrick, Caltech, illustrates the Wide-field Infrared Survey Explorer's (WISE) discovery that dim M dwarfs - the most common type of star in the solar neigh- borhood - are much rarer than brightly-shining stars: roughly 1 brown dwarf for every 6 stars.
Audience: Gen. JPL NASA News
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/08/2012 - 0:01:21 Producer: Kline

AVC-2012-123-1/1 **NASA's MRO Catches Whirling Martian Dust Devil - Web**
An image of a "dust devil" on the Amazonis Planitia region of northern Mars is followed by an animation depicting what the 70-meter wide by 20-kilometer tall twister whould look like to an observer in the Martian atmosphere.
Audience: Gen. JPL NASA News
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
04/04/2012 - 0:00:45 Producer: Kline

AVC-2012-124-1/1 **NASA's Spitzer Sees Light of Super Earth - Web Video**
Robert Hurt, Imaging Scientist, Spitzer Science Center, Caltech, narrates animation illustrating how the measurement of changes in brightness as the planet 55 Cancri e passes behind its star is the first direct measurement of the brightnes of such a small planet.
Audience: Gen. JPL NASA News
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/07/2012 - 0:00:37 Producer: Kline

AVC-2012-125-1/1 **Data From Voyager 1 Points to Interstellar Future (Video File)**
Data from NASA's Voyager 1 indicate that the spacecraft is approaching interstellar space. Project Scientist Ed Stone explains.
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/14/2012 - 0:03:36 Producer: Doherty / Agle

AVC-2012-126-1/1 **NASA Releases Data and Findings on Asteroid AG5 (Video File)**
Researchers anticipate that asteroid 2011 AG5 will safely fly past and not impact the Earth in 2040. Director of NASA's Near Earth Objects Office Don Yeomans explains.
Audience: JPL NASA News
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
06/14/2012 - 0:04:12 Producer: Doherty / Agle

AVC-2012-132-1/2 **von Kármán Lecture Series - "Melting Snows - The Threatened Lifeblood"**
The von Kármán Lecture Series continues with Dr. Thomas Painter, research scientist in the Water and Carbon Cycles Group, in JPL's Earth Science Section. Dr. Painter presents "Melting Snows: The Threatened Lifeblood of the Western United States."
Audience: Site: vKA
Client: Office of Comm & Edu
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/21/2012 - 1:02:00 Producer: Hollander

AVC-2012-132-2/2 **von Kármán Lecture Series - "Melting Snows - The Threatened Lifeblood"**
The von Kármán Lecture Series continues with Dr. Thomas Painter, research scientist in the Water and Carbon Cycles Group, in JPL's Earth Science Section. Dr. Painter presents "Melting Snows: The Threatened Lifeblood of the Western United States."
Audience: Site: vKA
Client: Office of Comm & Edu
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix

06/21/2012 - 0:28:37 Producer: Hollander

AVC-2012-133-1/1 **Curiosity's Seven Minutes of Terror - MSL**
DVCProLP Dub also made.
Audience: Gen.
Client: M. Viotti
Master: DVCProHD Submaster: DVCProHD
Audio 1: stereo mix 2: stereo mix
06/22/2012 - 0:05:07 Producer: Beck

AVC-2012-134-1/1 **Getting Curiosity To Mars**
JPL Open House Video - Getting Curiosity To Mars. Hosted by Ann Deveraux
Audience: Gen. Edu. JPL NASA News Site: JPL
Client: Mars Public Engagement
Master: DVCProLP Submaster: DVCProLP
Audio 1: Stereo L 2: Stereo R
06/09/2012 - 0:18:45 Producer: Gay Hill

AVC-2012-136-1/1 **The Titanian Seasons Turn, Turn, Turn - Cassini Video File**
Images from NASA's Cassini spacecraft show a concentration of high-altitude haze and a vortex materializing at the south pole of Saturn's moon Titan, signs that the seasons are turning on Saturn's largest moon.
Audience: NASA News Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVD
Audio 1: Silent 2: Silent
07/12/2012 - 0:01:16 Producer: Savona

AVC-2012-137-1/1 **Cassini Spots Daytime Lightning on Saturn - Video File**
NASA's Cassini spacecraft has captured images of last year's storm on Saturn, the largest storm seen up-close at the planet.
Annotated near-true-color image of lightning strike as blue dot on lefthand panel and no lightning on righthand panel. Unannotated included
Audience: NASA News Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVD
Audio 1: Silent 2: Silent
07/12/2012 - 0:00:54 Producer: Savona

AVC-2012-138-1/1 **Curiosity Gears Up for Landing on Mars - Video File**
The Mars Science Laboratory mission's aptly named rover, Curiosity, will land on the Martian Surface on Aug. 6, 2012.

Includes: EDL animation; Gale Crater flyover; graphic of landing ellipse; clean room & testbed footage; interviews; drop test;soil sample test; mobility testing; 11/26/11 launch.
Audience: NASA News Resource
Client: NASA TV/Agle
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/16/2012 - 0:14:00 Producer: Savona

AVC-2012-142-1/2 **vK Lecture Series-The Power of Two: How Humans & Robots Explore Space**

Brian Wilcox, manager of space robotics technology for the Solar System Exploratin Directorate, gives a presentation on the growing relationship between robots and humans from robotic scouting missions, to space station construction to opening the planetary frontiers.
Audience: Gen. Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/19/2012 - 1:03:00 Producer: Hollander

AVC-2012-142-2/2 **vK Lecture Series-The Power of Two: How Humans & Robots Explore Space**

Brian Wilcox, manager of space robotics technology for the Solar System Exploratin Directorate, gives a presentation on the growing relationship between robots and humans from robotic scouting missions, to space station construction to opening the planetary frontiers.
Audience: Gen. Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
07/19/2012 - 0:20:00 Producer: Hollander

AVC-2012-147-1/1 **Mars Science Laboratory Mission SCIENCE News Briefing 10am**
Moderator: Jane Platt, Media Relations News Chief
Panelists: Michael Meyer, Scientist, Mars Exploration Program lead-NASA Headquarters, Washinton John Grotzinger, MSL Project Scientist, Caltech, Pasadena Don Hassler, Principal Investigator, Radiation Assessment Detector on MSL, Southwest Research Michael Malin, Principal Investigator, Mars Descent Imager on MSL, Malin Space Science Systems, San Diego
Audience: Gen. Tech. JPL NASA News Site: von Kármán Aud

Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/02/2012 - 0:55:44 Producer: Doherty

AVC-2012-148-1/1 **Mars Science Laboratory Mission ENGINEERING News Briefing 11am**
Moderator: Jane Platt, Media Relations News Chief
Panelists:Doug McCuistion, Mars Exploration Program
Director-NASA Headquarters, Washington
Pete Theisinger, MSL Project Manager-JPL
Adam Steltzer, MSL Entry Descent and Landing Phase Lead-JPL
Tomas Martin-Mur, MSL Navigation Team Chief-JPL Ashwin
Vasavada, MSL Deputy Project Scientis-JPLt
Doug Ellision, Visualization Producer-JPL
Audience: Gen. Tech. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/02/2012 - 0:57:00 Producer: Doherty

AVC-2012-149-1/2 **Countdown To "Curiosity" Landing NASA Social Event**
Moderator: Veronica McGregor, JPL News & Social
Manager;Speakers: Dr. Charles Elachi, JPL Dir.;
Video of Charlie Bolden, NASA Admin.; Lori Garver,
Dep. NASA Admin.; Dave Lavery, NASA Program
Exec.;Clara Ma, Naming Contest Winner; Doug
Ellison, JPL Visualization Producer; Stephanie Smith, JPL
Social Media Specialist Introduces the MSL Science Panel:
Ashwin Vasavada, Deputy Project Scientist-JPL, Pam Conrad,
SAM Deputy Principal Investigator-Goddard Ken Edgett,
Principal Investigator for MAHLI-Malin Sopce Science Systems
Audience: JPL Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/03/2012 - 1:03:00 Producer: Doherty

AVC-2012-149-2/2 **Countdown To" Curiosity" Landing NASA Social Event**
Moderator: Stephanie Smith, Social Media SPC
Speakers: continuation of MSL Science Panel with
Questions and Answers; Video 7 Minutes of Terror;
MSL EDL Panel: Rob Manning, Adam Steltzner, Steve
Lee and Anita Sangupta with Q & A after; John
Grunsfeld-NASA Assoc. Administrator
Audience: JPL Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870

Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/03/2012 - 1:02:41 Producer: Doherty

AVC-2012-150-1/1 **MSL PreLanding Update & Entry, Descent & Landing News Briefing 9:30am**

Moderator: Veronica McGregor, Media Relations Mgr.
Panelists: Doug McCuistion, Mars Exploration Program Director-NASA HQ; Arthur Amador, MSL Mission Mgr.-JPL; Steve Sell, MSL Enty, Descent & Landing Team -JPL; Richard Cook, MSL Deputy Proj. Mgr.-JPL; Ashwin Vasavada, MSL Deputy Proj. Sci.
Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/04/2012 - 1:15:14 Producer: Doherty

AVC-2012-151-1/1 **Mars Science Laboratory Pre-Landing News Briefing 9:30am**

Moderator: Veronica McGregor, Media Relations Mgr.
Panelists: Doug McCuistion, Mars Exploration Program Director-NASA HQ
Brian Portock, MSL Mission Manager-JPL
Tomas Martin-Mur, MSL Navigation Team Chief-JPL Adam Steltzner, MSL Entry, Descent and Landing Phase Lead-JPL
Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/05/2012 - 1:32:00 Producer: Doherty

AVC-2012-153-1/1 **NASA's Curiosity Rover Lands on Mars - Video File**

Scientists and engineers at NASA's Jet Propulsion Laboratory, celebrate after receiving confirmation that the Mars Curiosity rover had landed safely on Mars. Includes: B-roll from MSA & von Kármán of cheering; first images; EDL animation; soundbites from briefing; landing ellipse gfx; rover footage
Audience: JPL NASA News Resource Site: MSA & vK aud.
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Blu-ray Disc Available
08/06/2012 - 0:11:21 Producer: Savona/Vega/Hill

AVC-2012-154-1/2 **Mars: It's All About Learning Pre-Show (8:30 PDT)& Commentary 9:00pm**

Commentator: Gay Yee Hill, JPL Media Relations
Interviews: Leland Melvin, Associate Administrator for Education at NASA Headquarters
Will.i.Am, American rapper
Clara Ma, Naming Contest Winner
Doug Ellison, Visualization Producer-JPL
1st Part of Commentary
Allen Chen, Flight Dynamics & Operations Lead
Lori Garver Deputy Administrator at NASA HQ. Pete TheisingerMSL Project Manager
Adam Steltzner, Entry, Descent and Landing Phase Lead
John Grunsfeld, Associate Administrator at NASA HQ.
Audience: Gen. JPL NASA News Site: 230 Darkroom
Client: Voronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/05/2012 - 1:30:00 Producer: Doherty

AVC-2012-154-2/2 **MSL Commentary #1 Starts at 9:55pm PDT (Landing, First Pic, Cheers)**

Commentator: Gay Yee Hill, JPL Media Relations
Interviews: John Grunsfeld, NASA Associate Administrator
Rob Manning, MSL Chief Engineer-JPL
Charlie Bolden, NASA Administrator
John Holdren, Sr. Advisor to Pres. Barack Obama
Dr. Elachi, JPL Director
Lori Garver, NASA Dep. Admininstrator
Audience: Gen. JPL NASA News Site: 230 Darkroom
Client: Voronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/05/2012 - 1:32:47 Producer: Doherty

AVC-2012-155-1/1 **MSL Curiosity News Briefing 11:15pm PDT**

Moderator: Veronica McGregor, Media Relations Mgr.
Congradulations: At the podium Dr. Elachi, Charlie Bolden & John Holdren.
Panelist: John Grunfeld, NASA Associate Administrator
Charles Elachi, JPL Director
Pete Theisinger, MSL Project Manager
Adam Steltzner, Entry, Descent and Landing Phase Lead-JPL
John Grotzinger, Project Scientist, Caltech
All parade through cheering crowd to their seats.

Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/05/2012 - 0:57:17 Producer: Doherty

AVC-2012-156-1/1 **Curiosity Surface Operations Commentary #2 (12:30am PDT)**
Moderator: Gay Yee Hill, Media Relations
Interviews: Mike Watkins, JPL MSL Mission Systems Manager discusses what is happening once the rover is on the surface of Mars.
John Grotzinger, Caltech Project Scientist talks about Gale Crater along with a color elevation map and images.
Audience: Gen. JPL NASA News Site: 264-MSSA
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/06/2012 - 0:36:52 Producer: Doherty

AVC-2012-157-1/1 **Mars Science Laboratory-Curiosity Landing News Briefing (9:00am PDT)**
Moderator: Veronica McGregor, Media Relations
Panelists: Michael Watkins, MSL Mission Systems Manager-JPL
Miguel San Martin, Chief Engineer, Guidance and Control-JPL
John Grotzinger, MSL Project Scientist-Caltech Sarah Milkovich, HiRISE Investigation Scientist-JPL
Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/06/2012 - 1:19:00 Producer: Doherty

AVC-2012-158-1/1 **MSL Latest Data and Imagery News Briefing (4:00pm PDT)**
Moderator: Veronica McGregor, Media Relations
Panelists: Jennifer Trosper, MSL Mission Manager-JPL
Joy Crisp, MSL Deputy Project Scientist-JPL
Michael Malin, Principal Investigator, Mars Descent Imager on MSL, Malin Space Science Systems, San Diego, CA.
Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix

08/06/2012 - 0:52:51 Producer: Doherty

AVC-2012-159-1/1 **The Latest MSL Imagery News Briefing (10:00am PDT)**
Moderator: Veronica McGregor, Media Relations
Panelists: Michael Watkins, MSL Mission Manager-JPL; Ken Edgett, MAHLI Principal Investigator, Malin Space Science Systems, San Diego, CA; Sarah Milkovich, HiRISE Investigation Scientist-JPL
Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/07/2012 - 0:55:05 Producer: Doherty

AVC-2012-161-1/1 **NASA's Mars Curiosity Checks Out Its Surroundings - VF**
Includes: video of heat shield dropping away during rover landing; image of Martian surface from NavCams; 360 degree image; Rover's self portrait image; color image of heat shield from descent; Rover shadow image; Crime scene image from MRO; soundbites from briefing; rover b-roll
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Blu-ray Disc Available
08/09/2012 - 0:08:10 Producer: Savona/Hill

AVC-2012-162-1/1 **MSL-Curiosity Update News Briefing (10:00am PDT)**
Moderator: Veronica McGregor, Media Relations Mgr.
Panelists: Jennifer Trosper, MSL Mission Manager, JPL
Justin Maki, MSL Imaging Scientist, JPL
John Grotzinger, MSL Project Scientist, Caltech
Michael Malin, Principal Investigator, Mars Descent Imager on MSL-Malin Space Science Systems, San Diego, CA
Don Hassler, RAD Principal Investigator-Southwest Research Institute,-Boulder, Colo.
Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/08/2012 - 1:00:00 Producer: Doherty

AVC-2012-163-1/1 **MSL-Curiosity Update News Briefing (10:00am PDT)**
Moderator: Veronica McGregor, Media Relations Mgr.

Panelists: Michael Watkins, MSL Mission Manager.-JPL
Michael Malin, Principal Investigator-MastCamera on MSL,
Malin Space Science Systems, San Diego, CA Dawn Sumner, MSL
Science Team Member-UC Davis, CA; Andy Mishkin, Integrated
Planning & Execution Team Chief-JPL
Doug Ellison, Visualization Producer-JPL
Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/09/2012 - 0:52:20 Producer: Doherty

AVC-2012-166-1/1 **MSL-Curiosity Fifth Day on Mars News Briefing (10:00am PDT)**
Moderator: Veronica McGregor, Media Relations Mgr.
Panelists: Allen Chen, MSL Entry Descent and Landing
Operations Lead-JPL
Gavin Mendeck, Member of EDL Team-NASA Johnson Space Center,
Houston, TX
Devin Kipp, Member of EDL Team-JPL
Steve Sell, Member of EDL Team-JPL
Jody Davis, Member of EDL Team-NASA LangleyResearch Center,
Hampton, VA.
Ben Cichy, Senior Software Engineer-JPL
Audience: Gen. JPL NASA News Site: von Kármán Aud
Client: Verronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/10/2012 - 1:21:00 Producer: Doherty

AVC-2012-167-1/1 **NASA's Curiosity Creates Curious Dust Cloud - Video File**
Includes: Animation of the entry, descent and landing phase
of the rover; control room moments before landing; annotated
& unannotated Hazcam images showing dust cloud; Adam
Steltzner, EDL Lead; B-roll of MSL launch Nov.26, 2011;
Annotated MRO image of rover & descent stage's impact.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/10/2012 - 0:09:35 Producer: Savona

AVC-2012-170-1/1 **Curiosity on Mars: Surface Operations Begin (Web Video)**
Surface Operations Flight Director Jessica Samuels describes
Curiosity's first week on Mars and what's coming up for the
rover.
Audience: Gen. JPL NASA

Client: MSL
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/13/2012 - 0:01:58 Producer: Doherty

AVC-2012-189-1/1 **Mars in a Minute: Phoning Home**
How did we know that Curiosity landed safely on the surface of Mars? Explains how Curiosity will communicate its landing events on Aug. 5, 2012 with Earth and how other spacecraft around Mars will assist. Illustrated/animated/narrated by Scott Hulme. Editing by Christopher Harris.
Audience: Gen. Edu. JPL NASA Site: JPL
Client: Baggett / Viotti
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/04/2012 - 0:02:30 Producer: Hulme / Harris

AVC-2012-194-1/1 **MARDI Descent Movies from MSL Curiosity Landing - Web Videos**
1. Curiosity's Descent
2012-08-06 RT 1:30
2. Curiosity Bids Goodbye to Heat Shield
2012-08-08 RT 0:51
3. Dropping in on Mars: A Rover's Eye View
2012-08-10 RT 3:03
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/16/2012 - 0:06:27 Producer: Harris

AVC-2012-195-1/1 **President Obama Calls Curiosity Team - Web Video**
Pres. Obama congratulates JPL & the Mars Curiosity Rover Team on a successful mission. Featured: D. Lavery-Prog. Executive, NASA HQ., J.Trosper Mission Mgr; A. Steltzner-EDL Lead, Dr. Elachi-JPL Dir.; R. Cook-Deputy Proj. Mgr; M. Watkins-Mission Mgr; Jessica Samuels-Team Lead Surface Operations
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/13/2012 - 0:07:21 Producer: Harris

AVC-2012-196-1/2 **von Kármán Lecture Series - "Voyager Interstellar Mission"**
Caltech senior scientist Alan Cummings, co-investigator for Voyager's cosmic ray subsystem

experiment. The Voyager 1 and 2 spacecraft, launched in 1977, were both built and are operated by JPL. The pair are in good health and are approaching interstellar space.
Audience: Gen. Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/16/2012 - 1:03:00 Producer: Savona

AVC-2012-196-2/2 **von Kármán Lecture Series - "Voyager Interstellar Mission"**
Caltech senior scientist Alan Cummings, co-investigator for Voyager's cosmic ray subsystem
experiment. The Voyager 1 and 2 spacecraft, launched in 1977, were both built and are operated by JPL. The pair are in good health and are approaching interstellar space.
Audience: Gen. Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
08/16/2012 - 0:24:00 Producer: Savona

AVC-2012-203-1/1 **Voyager at 35: Break on Through to the Other Side - VF**
Includes: Animation showing the trajectories of both Voyagers as they travel towards the edge of the solar system; Animations of Voyagers exiting the solar system; Grand Tour animation of Outer planets; Low-energy particles animation; launch of Voyager 2 on Aug. 20, 1977 and Interviews
Audience: NASA News Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Available on Blu-ray
08/20/2012 - 0:06:00 Producer: Savona

AVC-2012-204-1/1 **Voyager: 35 years later - Web Video**
Launched in 1977, Voyager 2 and its twin Voyager 1 are the longest-operating NASA spacecraft ever, and are still going strong, hurtling away from the sun. Mission managers eagerly anticipate the day when they break on through to the other side - the space between stars.
Audience: Gen. Edu. JPL NASA News
Client: Jia-Rui Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Available on Blu-ray

08/20/2012 - 0:02:30 Producer: Savona/Hill

AVC-2012-205-1/1 **Curiosity on Mars: Instrument Check-Out (Web Video)**
Flight Director Bobak Ferdowsi describes what Curiosity has done the previous week and what to expect in the following week.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/17/2012 - 0:01:21 Producer: Doherty

AVC-2012-207-1/1 **Zooming in on the Scene of Curiosity's Landing - Web Video**
A zoom from a graphic representation of the globe of Mars transtions to the landing site of the Curiosity rover as seen by the Mars Reconnaissance Orbiter's HiRISE imager. The locations of the rover and its parachute, back shell, heat shield & sky crane are labeled and seen in close-up.
Audience: Gen. JPL NASA News
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: SILENT 2: SILENT
08/08/2012 - 0:01:05 Producer: Kline

AVC-2012-208-1/1 **Curiosity Pre-Launch Mast Test - Web Video**
Video of the rover's mast being raised from its stowed position to its vertical operational position in the clean room at JPL.
Audience: Gen. JPL NASA News
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/08/2012 - 0:02:25 Producer: Kline

AVC-2012-209-1/1 **Up, Down and All Around Curiosity - Web Video**
This movie begins with the expansive 360-degree view from NASA's Curiosity rover and shows the surrounding terrain within Gale Crater then zooms in on the rover's deck.
Audience: Gen. JPL NASA News
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: SILENT 2: SILENT
08/09/2012 - 0:00:33 Producer: Kline

AVC-2012-212-1/1 **Cassini Finds Probable Subsurface Ocean on Saturn Moon (VF)**
Animation showing gravitational tugging on Titan during its orbit of Saturn.
Graphic displaying internal structure of Titan.
Audience: JPL NASA
Client: Cassini
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/20/2012 - 0:01:52 Producer: Doherty/Cook

AVC-2012-224-1/1 **MSL Curiosity News Briefing (11:30am PDT) Ray Bradbury**
Moderator: Jane Platt, Media Relations News Chief
Panelists: Michael Meyer, Lead Scientist, Mars Exploration Program-NASA HQ
ete Theisinger, MSL Proj. Manager-JPL
Matt Heverly, MSL Lead Rover Planner-JPL
Roger Wiens, PI ChemCam-Los Alamos National Lab Joy Crisp, MSL Deputy Proj. Scientist-JPL
Audience: Site: von Kármán Aud
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/22/2012 - 0:53:11 Producer: Doherty

AVC-2012-227-1/1 **NASA Mars Rover Begins Driving at "Bradbury Landing" - VF**

Includes: 360 degree panorama showing evidence of a successful first test drive; Computer simulation of drive commands sent up to the rover; Color image of Bradbury landing site; Before and after images of laser at rocks; Calif.,Gov. Jerry Brown tours mission control b-roll; press briefing bites
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Available on Blu-ray
08/23/2012 - 0:04:58 Producer: Savona/Hill

AVC-2012-233-1/1 **MSL Curiosity News Briefing (2:00pm PDT) Human Voice Sent from Mars**

Moderator: Jane Platt, Media Relations News Chief
Panelists: Dave Lavery, MSL Prog. Executive-NASA Headquarters
Mike Malin-Principal Investigator for MARDI & Mastcam-Malin Space Science Systems, San Diego, CA John Grotzinger-Project Scientist-Caltech
Paul Mahaffy-Principal Investigator SAM-Goddard Space Flight Center
Chad Edwards, Chief Telecommunications Engineer, Mars Program-JPL
New pictures and Charlie Bolden sent his voice to Mars and back to Earth-came from 264 The Mission Surface Support Area.
Audience: News Site: 264 MSA & vkA
Client: Veronica McGregor, Org. 1870
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/27/2012 - 0:57:43 Producer: Doherty

AVC-2012-234-1/1 **Mars Curiosity Returns Voice & Telephoto Views - VF**
Includes: Color panorama showing a 360-degree view of the rover's landing site, and Mt. Sharp visible to the rover; A portion of a larger image taken by the rover's 100-millimeter Mast Camera on Aug, 23, 2012; Voice of Charles Bolden, NASA Administrator and Dave Lavery sound bites.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Available on Blu-ray Disc

08/27/2012 - 0:04:12 Producer: Savona/Hill

AVC-2012-239-1/1 **NASA's Curiosity Debuts First Interplanetary Song from Mars - VF**
Includes: Song excerpt "Reach for the Stars" by musician will-i-am that was transmitted to Earth from the Curiosity rover as students and guests looked on at JPL's von Kármán Aud.; sound bite excerpts from will-i-am, Entertainer/Musician and Leland Melvin, Astronant and Educator
Audience: Gen. Edu. JPL NASA News Resource
Client: NASA TV/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Available on Blu-ray Disc.
08/28/2012 - 0:03:52 Producer: Savona/Hill

AVC-2012-240-1/1 **Reach for the Stars**
With an audience of LA's Boyle Heights high school students, astronaut Leland Melvin and musician will.i.am debuts "Reach for the Stars" which was sent to Earth from the Mars Curiosity rover. Also, Q & A with JPL's Adam Steltzner and NASA's Mike Meyer.
Audience:
Client: EPO/Parvin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/28/2012 - 0:54:30 Producer: Doherty/Kulczycki

AVC-2012-241-1/1 **Curiosity on Mars: Flex, Zap, Drive (Web Video)**
Flight Director Torsten Zorn provides an update of what the Mars rover Curiosity has been up to the previous week and what's expected the upcoming week.
Audience: Gen. JPL NASA News
Client: Media Relations/Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/24/2012 - 0:02:08 Producer: Doherty

AVC-2012-254-1/1 **Curiosity on Mars: Messages from Mars (Web Video)**
Flight Director Bobak Ferdowsi sums up Curiosity's activities of the previous week and describes upcoming events.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix

08/31/2012 - 0:02:00 Producer: Doherty

AVC-2012-261-1/1 **Voyager: Humanity's Farthest Journey - Web - UPDATED distances**
Updated from AVC-2011-088.
The differences in this version and the original:
1. Distances traveled are updated as of 9/5/12.
2. Final shot of heliosphere graphic is replaced with
animation of Voyager leaving solar system.
Audience:
Client: Baggett/Angrum
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/04/2012 - 0:03:09 Producer: Kline

AVC-2012-263-1/2 **von Kármán Lecture Series - "Voyager Celebrates 35 Years in Space"**
After a powerpoint presentation by Voyager Project
Scientist, Ed Stone, Ed is joined on stage for a question
and answer session with a panel of the mission's Principal
Investigators: Donald Gurnett, Tom Krimigis, Norman Ness and
John Richardson.
Audience: Gen. Edu. JPL Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/04/2012 - 1:02:15 Producer: Savona

AVC-2012-263-2/2 **von Kármán Lecture Series - "Voyager Celebrates 35 Years in Space"**
After a presentation by Voyager Project Scientist, Ed Stone,
Ed is joined on stage for a question and answer session by a
panel of the mission's Principal Investigators: Donald
Gurnett, Tom Krimigis, Norman Ness and John Richardson.
Audience: Gen. Edu. JPL Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/04/2012 - 0:11:10 Producer: Savona

AVC-2012-264-1/1 **Dawn Spacecraft Leaves Giant Asteroid Vesta - Video File**
Includes: Last images Dawn took of Vesta; animation of Dawn
orbiting,leaving and arriving at Ceres; images taken in fall
2011 and summer 2012; gravity field map of Vesta; craters on
Vesta; animation of flyover of Vesta; interview with Marc
Rayman and a simulated flyover of Vesta landmarks
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVCProLP

Audio 1: Mono mix 2: Mono mix
Available on Blue-ray Disc.
09/05/2012 - 0:13:19 Producer: Savona/Hill/Cook

AVC-2012-265-1/1 **A Farewell Portrait of Giant Asteroid Vesta - Dawn web video**
A simulated flyover of the most intriguing landmarks on giant asteroid Vesta, as seen by NASA's Dawn spacecraft.
Flyover created by DLR (German Aerospace Center)
Audience: Gen. JPL NASA
Client: Dawn Mission
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/29/2012 - 0:05:13 Producer: Harris

AVC-2012-267-1/1 **Dawn Vesta Greatest Hits - Dawn web video**
This video highlights Dawn's top accomplishments during its orbit around the giant asteroid Vesta.
Audience: Gen. JPL NASA
Client: Dawn Mission
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/05/2012 - 0:02:34 Producer: Harris / Cook

AVC-2012-273-1/1 **Curiosity on Mars: Stopping and Stretching (Web Video)**
Saina Ghandchi of MSL Data Management delivers an update on Curiosity's progress and previews what is coming up.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/06/2012 - 0:01:28 Producer: Doherty

AVC-2012-275-1/1 **Video to Accompany Holst's "The Planets" - Mars HD Update**
The "Mars" portion of AVC-2007-073 is updated to include MSL and all-HD footage. NOTE: Music is copyrighted and exists for reference only.
Audience:
Client: JPL
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/13/2012 - 0:07:01 Producer: Kline

AVC-2012-276-1/1 **von Kármán Lecture Series - "The Challenge of Mars Exploration"**
Using videos and images, Mars Science Laboratory Project Manager Richard Cook discusses Entry, Descent and Landing of the Curiosity rover and the start of its two year mission

on the red planet.
Audience: Gen. Edu. JPL Site: von Kármán Aud
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
09/13/2012 - 1:20:10 Producer: Savona

AVC-2012-277-1/1 **Curiosity on Mars: Living on Mars Time (Rover Update-Web Video)**
Lead Flight Director David Oh describes what Curiosity has been doing on Mars and what's coming up. He also describes how his family spent a month on Mars time which is 40 minutes faster than an Earth day.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/13/2012 - 0:01:40 Producer: Doherty

AVC-2012-281-1/2 **NASA Remembers Neil Armstrong-Tribute at WA National Cathedral**
A Video tribute of Neil Armstrongs life and footage of many Fellow Apollo Astronauts, NASA Admin., NASA Deputy Admin., Managers, Flight Directors, Engineers, X-15 Researcher, Actress, Former US Sec. of the Navy, Musical Artist, Sevety-Third US Tresary Sec., others pay tribute.
Audience: Site: WA Cathedral
Client: Blaine Baggett
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/12/2012 - 1:03:00 Producer: NASA HQ

AVC-2012-281-2/2 **NASA Remembers Neil Armstrong-Tribute at WA National Cathedral**
Continuation of Rev. Gina Goldband Campbell, Acting Director of Worship; Rt. Rev. Mariann Edgar Buddle, Bishop of the Episcopal Diocese of Washington; Michael Collins, Apollo Command Module Pilot; Blessing and end of ceremony.
Audience: Site: WA Cathedral
Client: Blaine Baggett
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/12/2012 - 0:32:00 Producer: NASA HQ

AVC-2012-309-1/1 **Curiosity on Mars: Tribute to Jake (Web Video)**
MSL Flight Director Jessica Samuels gives an update on what Curiosity has been up to the previous week and what is expected during the coming week.
Audience: JPL NASA

Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/20/2012 - 0:01:40 Producer: Doherty

AVC-2012-311-1/1 **"Surveyor Report #12, September 1 to December 31 1963" (JPL 557)**
This 1964 production describes the technical developments and Surveyor Project test activities during the period. Particular attention is paid to improvements in the Atlas-Centaur launch vehicle system and the thrust assembilies which are part of Surveyor's propulsion system.
Footage of an Atlas-Centaur engineering test launch. Shots of JPL scientists and engineers working on mock-up of the Surveyor spacecraft. Shots of the Hughes Environment Lab. Shots of Surveyor's engines in static testing. Footage of Surveyor hoisted by crane while its thrusters are tested and footage of Surveyor aloft in a balloon whiles testing its radar altimeter.
Audience: JPL
Client: Blaine Baggett
Master: HDCam Submaster: DVCProHD
Audio 1: Mono mix 2: Mono mix
09/25/2012 - 0:28:09 Producer: JPL/Hughes

AVC-2012-336-1/1 **NASA's MSL Rover Finds Old Streambed on Martian Surface - VF**
Image of rock outcrop called "Hottah"; Image of "Link"; Image of "Goulburn"; Map of 3 rock outcrops; Image of Link with Earth comparison (side by side); Video comparison of Death Valley and Gale Crater with voiceover from Bill Dietrich; Interview excerpts from Rebecca Williams.
Audience: Gen. JPL NASA News Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
Available on DVD and Blu-ray
09/27/2012 - 0:06:45 Producer: Savona/Hill

AVC-2012-342-1/1 **MSL Press Briefing**
John Grotzinger, Mike Malin, Rebecca Williams and William Dietrich discuss Curiosity's recently found evidence of an ancient Martian stream bed.
Audience: JPL NASA News
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix

09/27/2012 - 0:51:40 Producer: Doherty

AVC-2012-348-1/1 **Curiosity on Mars: Curiosity Rocks!**
MSL Long Term Planner Sanjeev Gupta describes the important science findings: evidence of an ancient stream bed.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/28/2012 - 0:02:54 Producer: Doherty

AVC-2012-357-1/1 **Curiosity on Mars: Rover Gets Set to Scoop (Web Video)**
Sampling System and Science Lead Daniel Limonadi describes how Curiosity will use its scoop to acquire Martian sample and deliver it to the onboard scientific instruments.
Audience: Gen. JPL NASA News
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/04/2012 - 0:01:45 Producer: Doherty

AVC-2012-358-1/1 **von Kármán Lecture Series - "Herschel Opens Up the Cool Universe"**
Paul Goldsmith gives a presentation on what discoveries the Herschel Space Observatory has made when measuring distant objects at temperatures between a few degrees and 100 degrees above absolute zero, including material out of which new stars are forming.
Audience: Gen. Site: von Kármán Aud.
Client: Office of Comm & Edu
Master: DVD Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/11/2012 - 1:16:28 Producer: Semerano

AVC-2012-359-1/1 **Curiosity on Mars: Here's the Scoop! (Web Video)**
Tactical Uplink Lead Noah Warner describes the progress of Curiosity's scooping tests at RockNest.
Audience: JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/12/2012 - 0:02:04 Producer: Doherty

AVC-2012-361-1/1 **Cassini: 15 Years of Exploration Web Video**
Cassini mission images of Saturn and its moons set to music with titles. All imagery were compiled from milestones through the years as Cassini celebrates 15 years of

exploration in the Saturnian system.
Audience: Gen. JPL NASA
Client: Media Relations/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/15/2012 - 0:02:30 Producer: Savona

AVC-2012-370-1/1 **Curiosity on Mars: Mars Soil Sample Delivered (Web Video)**
Payload Downlink Coordinator Betina Pavri describes the steps Curiosity took to scoop, sift, sieve and deliver a soil sample to the onboard analytical instruments.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/19/2012 - 0:01:40 Producer: Doherty

AVC-2012-373-1/1 **Cassini: Infrared Hotspots in a Monster Saturn Storm Web Video**
This animation shows "beacons" of hot air seen in the infrared that appeared during a great springtime storm on Saturn from January 2011 to March 2012.
Audience: Gen. JPL NASA News
Client: Media Relations/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/25/2012 - 0:01:09 Producer: Savona

AVC-2012-374-1/1 **Cassini Sees Huge Hotspots in Saturn Storm - Video File**
NASA's Cassini spacecraft has tracked the aftermath of a rare massive storm on Saturn. Includes: Animation of storm from a side view and top view; interview with Brigette Hesman, NASA's Goddard Spaceflight Center.
Audience: JPL NASA News Resource
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/25/2012 - 0:02:53 Producer: Savona/Hill

AVC-2012-375-1/1 **MSL Curiosity Ellipse Map**
MSL Team members with landing ellipse map. Features John Grotzinger, Steve Lee, Dawn Sumner, Tim Parker, Fred Calef, Paolo Bellutta
Audience: Tech. JPL NASA Site: JPL Vid Lib
Client: JPL
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix

08/13/2012 - 0:07:19

AVC-2012-380-1/2 **von Kármán Lecture Series-"Exploring New Worlds with the Dawn Mission"**

Carol Raymond, deputy principal investigator for JPL's Dawn mission to the main asteroid belt between Mars and Jupiter, discusses completing 13 months of analyzing asteroid Vesta and Dawn's new mission: A February 2015 rendezvous with protoplanet Ceres.
Audience: Gen. JPL Site: von Kármán Aud.
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/08/2012 - 1:00:00 Producer: Semerano

AVC-2012-380-2/2 **von Kármán Lecture Series-"Exploring New Worlds with the Dawn Mission"**

Carol Raymond, deputy principal investigator for JPL's Dawn mission to the main asteroid belt between Mars and Jupiter, discusses completing 13 months of analyzing asteroid Vesta and Dawn's new mission: A February 2015 rendezvous with protoplanet Ceres.
Audience: Gen. JPL Site: von Kármán Aud.
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/08/2012 - 0:24:13 Producer: Semerano

AVC-2012-381-1/1 **Curiosity on Mars: SAM Sniffs Mars' Air (Web Video)**
DVD and BluRay
Audience:
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/09/2012 - 0:02:20 Producer: Doherty

AVC-2012-382-1/1 **Mars in a Minute: Is Mars Red Hot?**
What would it feel like if you could stand on the surface of Mars - toasty warm, or downright chilly? Find out in this 60-second animated video, part of the "Mars in a Minute" series. Illustrated/animated/narrated by Scott Hulme.
Audience: Gen. Edu. JPL Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/01/2012 - 0:01:00 Producer: Hulme

AVC-2012-383-1/1 **Mars in 1 Minute: Ist Mars Wirklich Rot?**
German language version of "Mars in a Minute: Is Mars Really Red?" Translated and narrated by Curiosity science team member Walter Goetz. Illustrated/animated by Scott Hulme. For English version, see AVC-2011-278.
Audience: Gen. Edu. JPL Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/14/2012 - 0:01:00 Producer: Hulme

AVC-2012-384-1/1 **Mars pa et Minut: Er Mars Virkelig Rod?**
Danish language version of "Mars in a Minute: Is Mars Really Red?" Translated and narrated by Curiosity science team member Morten Madsen. Illustrated/animated by Scott Hulme. For English version, see AVC-2011-278.
(Note: in this video's title, the word "pa" should have a circle over the "a" and the word "Rod" should have a slash through the "o", but the current library system does not accept those special characters.)
Audience: Gen. Edu. JPL Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/14/2012 - 0:01:00 Producer: Hulme

AVC-2012-385-1/1 **Curiosity on Mars: Wind and Radiation on Mars (Web Video)**
Deputy Project Scientist Ashwin Vasavada describes the RAD instrument's ability to measure radiation, and how the REMS instrument measures Martian weather.
Audience: JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/15/2012 - 0:02:18 Producer: Doherty

AVC-2012-389-1/1 **Watching Earth Breathe Web Video**
AIRS instrument onboard NASA's Aqua spacecraft measure carbon dioxide in the atmosphere which is created from both human activity and the seasonal vegetation cycle. These observations are providing scientists key insight and a better understanding of our global biosphere.
Audience: Gen. Edu. JPL NASA
Client: Sharon Ray
Master: DVCProLP Submaster: DVCProLP

Audio 1: Mono mix 2: Mono mix
11/28/2012 - 0:01:57 Producer: Savona

AVC-2012-391-1/1 `
Voyager 1 Encounters Magnetic Highway - Video File~
NASA's Voyager 1 spacecraft has encountered a new region at the far reaches of our solar system that appears to be a "magnetic highway" for charged particles. Includes: Animations showing inside and inner region and crossing "magnetic highway"; interview and web video.
Audience: Gen. JPL NASA News Resrc. Site:
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/03/2012 - 0:04:43 Producer: Savona/Hill

AVC-2012-393-1/1 `
Curiosity on Mars: Curiosity Roves Again~
Tactical Downlink Lead Torsten Zorn describes how Curiosity took a self-portrait and is now continuing her drive to the next target after six weeks at Rocknest.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
11/29/2012 - 0:01:34 Producer: Doherty

AVC-2012-396-1/1 `
GRAIL Twins Create Most Accurate Gravity Map of Moon - VF~
Twin NASA washing machine-size probes orbiting the moon have generated the highest resolution gravity-field map of any celestial body.
Includes: Flyover movie from MoonKam of the moon; Movie lunar gravity field; Movie of Bouguer gravity; Interview; Launch and Animation of GRAIL
Audience: Gen. JPL NASA News Resrc.
Client: NASA TV/Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/05/2012 - 0:08:00 Producer: Savona/Hill

AVC-2012-397-1/1 `
von Karman Lecture Series - "GRAIL Unwraps the Moon"~
Gravity Recovery and Interior Laboratory Project Scientist Sami Asmar presents this talk on the findings of the twin GRAIL spacecraft mission on mapping the gravity field of the

Moon.
Audience: Gen. Edu. Site: von Karman Aud.
Client: Office of Comm & Edu
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/06/2012 - 1:01:54 Producer: Semerano

AVC-2012-399-1/1 `
Curiosity on Mars: Rover's Results from Rocknest~
Deputy Project Scientist Ashwin Vasavada describes how the success of the testing at Rocknest demonstrates that Curiosity and all the systems work together as designed.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/07/2012 - 0:02:25 Producer: Doherty

AVC-2012-404-1/1 `
NASA GRAIL Twins to Impact Moon Monday - Video File~
The lunar-orbiting twins of NASA's GRAIL mission will impact an unnamed mountain on the moon Monday, Dec. 17, 2012. Includes: launch and spacecraft deployment and operation animation; MoonKAM movie;End of mission flight path;intvu; Gravity&Bouguer field movies and crustal movie.
Audience: Gen. JPL NASA News Resrc.
Client: NASA TV/Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/13/2012 - 0:05:40 Producer: Savona/Hill

AVC-2012-407-1/1 `
GRAIL End of Mission Commentary~
Twin spacecraft Ebb and Flow end their extended mission by crashing into a lunar mountain to be named after Sally Ride. Gay Yee Hill interviews PI Maria Zuber, Project Manager Dave Lehman, Nav Team Lead Sarah Watkins, and Sally Ride's sister, Rev. Bear Ride.
Audience: JPL NASA News
Client: GRAIL Mission
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/17/2012 - 0:35:00 Producer: Doherty / Hill

AVC-2012-409-1/1 `
Mars in a Minute: How Do Rovers Drive on Mars?~
Where's the driver's seat for a Mars rover? Millions of miles away, back on Earth! Learn more about how NASA's rover drivers operate vehicles on the Red Planet in this 60-second animated video, part of the "Mars in a Minute" series. Illustrated/animated/narrated by Scott Hulme.
Audience: Gen. Edu. Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/18/2012 - 0:01:00 Producer: Hulme

AVC-2012-411-1/1 `
Heat Shield, Meet Mars! - MSL Curiosity - Web Video~
Low-res imagery from Mars Descent Imager (MARDI) of the heat shield hitting the ground and raising a cloud of dust.
Audience:
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: SILENT 2: SILENT
08/06/2012 - 0:00:48 Producer: Kline

AVC-2012-412-1/1 `
How Curiosity Keeps an Eye on Hazards - MSL - Web Video~
1. Animation from whole rover to CU of one set of hazcams.
2. Animation showing hazcams' field of view.
3. Image taken by hazcam.
Audience:
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: SILENT 2: SILENT
08/06/2012 - 0:00:41 Producer: Kline

AVC-2012-413-1/1 `
Into Gale Crater - MSL Web Video~
Computer animation zooms in on the intended landing ellipse for the Mars Science Laboratory then pans the surroundings.
Audience:
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: SILENT 2: SILENT
08/04/2012 - 0:00:46 Producer: Kline

AVC-2012-414-1/1 `
Imagine Mars Overview - Chicago~

David Delgado describes the Imagine Mars program and shows
it in practice with students in Chicago.
Audience:
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/10/2010 - 0:05:10 Producer: Beck

AVC-2012-415-1/1 `
Imagine Mars Music Video - Chicago~
David Delgado describes the production of a music video
related to the Imagine Mars program by students in Chicago.
Followed by the music video.
Audience:
Client: JPL
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
09/10/2010 - 0:05:26 Producer: Beck

AVC-2012-417-1/1 `
What It's Like to Land on Mars - MSL Web Video~
MSL Entry, Descent & Landing Phase Lead Adam Steltzner
narrates a combination of animation and imagery from MARDI
(Mars Descent Imager) that depicts Curiosity's landing on
Mars on Aug. 5, 2012.
Audience:
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/21/2012 - 0:04:05 Producer: Kline

AVC-2012-419-1/1 `
50th Anniversary of JPL's Planetary Exploration Images-Web Video~
Mariner 2-World's First Planetary Mission
Audience:
Client: Blaine Baggett, Org. 1800
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/13/2012 - 0:02:28 Producer: Kline

AVC-2013-001-1/1 `
Curiosity on Mars: Curiosity's Martian Holiday (Web Video)~
Tactical Uplink Lead Colette Lohr describes Curiosity's
recent drives and what to expect from her after the
holidays.
Audience: JPL NASA

Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
12/21/2012 - 0:01:58 Producer: Doherty

AVC-2013-003-1/1 `
Interplanetary Voicemail - Web Video~
MSL team members listen to a voice message from NASA Administrator Charles Bolden which had been sent to Mars and back.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
08/27/2012 - 0:01:32 Producer: Doherty

AVC-2013-004-1/1 `
Curiosity's First Scoopful of Mars - Web Video~
Video clip showing the first Martian material collected and vibrated by the scoop on Curiosity's robotic arm.
Audience: JPL NASA
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
10/07/2012 - 0:00:57 Producer: Doherty

AVC-2013-008-1/1 `
Curiosity on Mars: Rover Gives Mars the Brush-Off~
Mobility Downlink Lead Justin Lin describes Curiosity's first use of the Dirt Removal Tool.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/10/2013 - 0:01:34 Producer: Doherty

AVC-2013-009-1/1 `
Parting Moon Shots from NASA's GRAIL Mission - Web Video~
Video of the moon taken by the NASA GRAIL mission's MoonKam (Moon Knowledge Acquired by Middle School Students) camera aboard the Ebb spacecraft on Dec. 14, 2012. Features forward-facing and rear-facing views.
Audience: Gen. JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent

01/10/2013 - 0:01:51 Producer: Kline

AVC-2013-010-1/1 `
When Huygens Met Titan - Web Video~
Using data from the Huygens probe's instruments, animation recreates the final descent of ESA's Huygens probe as it landed on Titan on Jan. 14, 2005, after it was dropped off by NASA's Cassini spacecraft. The last image is an actual picture Huygens took from the Titan surface.
Audience: Gen. JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: SILENT 2: SILENT
01/14/2013 - 0:01:38 Producer: Kline

AVC-2013-012-1/1 `
Voyager: The Grand Tour - uprezzed from AVC-1990-095~
Produced by Martin Marietta. Ken Colby Animation or interactive pictures from Voyager 1 and 2 missions with sound bytes from Dr. Ed Stone, Andy Ingersoll and sounds of earth. Takes us through Voyager mission from launch and gives a description of what was found at each planet starting at Jupiter going through Saturn, Uranus, Neptune and into future missions.
Audience: Gen. JPL NASA
Client: JPL
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/29/1990 - 0:17:51

AVC-2013-013-1/2 `
von Karman Lecture Series - "Probing the Dark Sector with Euclid"~
Research scientist Jason Rhodes of the Relativistic Astrophysics Group gives a presentation on the nature and distribution of dark matter and dark energy in the universe. An animation showing the Euclid spacecraft, designed by ESA and carrying a NASA instrument, is shown.
Audience: Gen. Site: von Karman Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/17/2013 - 1:03:00 Producer: Semerano

AVC-2013-013-2/2 `
von Karman Lecture Series - "Probing the Dark Sector with Euclid"~
Research scientist Jason Rhodes of the Relativistic

Astrophysics Group gives a presentation on the nature and distribution of dark matter and dark energy in the universe. An animation showing the Euclid spacecraft, designed by ESA and carrying a NASA instrument, is shown.
Audience: Gen. Site: von Karman Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/17/2013 - 0:12:40 Producer: Semerano

AVC-2013-017-1/1 `
Mars: Dry Ice & Dunes - MRO Web Video~
JPL planetary scientist Serina Diniega narrates images from NASA's Mars Reconnaissance Orbiter showing a seasonal dry ice layer at Mars' north pole.
Audience: Gen. JPL NASA
Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/24/2013 - 0:02:36 Producer: Kline

AVC-2013-020-1/1 `
Ring World III-The Story of Cassini~
Documentary covering the Cassini Mission from Launch to Fall 2011.
Audience:
Client: Alice Wessen
Master: DVD
Audio 1: Mono mix 2: Mono mix
11/18/2011 - 0:20:28 Producer: Epstein

AVC-2013-023-1/1 `
Curiosity on Mars: Working with Curiosity's ChemCam Laser (Web Video)~
Nina Lanza: ChemCam post-doc, curiosity uses its ChemCam laser to explore a tiny cluster of rocks nicknamed "Rock Nest"
Audience:
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
10/26/2012 - 0:02:20

AVC-2013-024-1/1 `
Curiosity on Mars: First CheMin Results (web video)~
David Bish: NASA's Curiosity rover gets its first taste of Mars and finds plagioclase, feldspar, pyroxene, and olivine

minerals.
Audience: Gen. JPL Resrc.
Client:
Master:
Audio 1: Mono mix 2: Mono mix
11/01/2012 - 0:02:03 Producer: Hill/Epstein

AVC-2013-034-1/2 `
von Karman Lecture Series - "Geoengineering and Climate Intervention"~
Riley Duren, chief systems engineer for the Earth Science and Technology Directorate, presents concepts for directly manipulating Earth's climate system, collectively referred to as "geoengineering," that have been proposed as contingency responses to global warming.
Audience: Gen. Site: von Karman Aud.
Client: Mark Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/14/2013 - 1:00:00 Producer: Semerano

AVC-2013-034-2/2 `
von Karman Lecture Series - "Geoengineering and Climate Intervention"~
Riley Duren, chief systems engineer for the Earth Science and Technology Directorate, presents concepts for directly manipulating Earth's climate system, collectively referred to as "geoengineering," that have been proposed as contingency responses to global warming.
Audience: Gen. Site: von Karman Aud.
Client: Mark Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/14/2013 - 0:27:08 Producer: Semerano

AVC-2013-039-1/1 `
NASA Radar Images Asteroid Toutatis~
64-frame movie of asteroid Toutatis generated from data taken by Goldstone's Solar System Radar on Dec. 12 & 13, 2012. Rotation is shown faster than actual speed. Dec. 12: Toutatis was 4.3 million miles (6.9 million kilometers) from Earth. Dec. 13: it was 4.4 million mi. (7 million km).
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
12/13/2012 - 0:00:39 Producer: Kline

AVC-2013-041-1/1 `
OSIRIS-REx Mission Animation~
OSIRIS-REx is a new Frontiers Mission launching in Sept. 2016. Encounters asteroid (101955) 1999 RQ36 in Oct. 2018, maps surface at distance of .7 to 5 km, takes sample of surface, returns sample to Earth in 2023.
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/15/2013 - 0:01:11

AVC-2013-042-1/1 `
The Yarkovsky Effect - Animation~
In 1902 Ivan yarkovsky suggested that the daily heating of an object rotating in space could exert a small force on the object. This force acts like a tiny rocket thrust, gradually changing the object's orbit.
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/15/2013 - 0:00:26

AVC-2013-043-1/1 `
Images of Asteroid 2012 DA14's Flyby of Earth on Feb. 15, 2013~
Feb. 14: from Faulkes Telescope South, Siding Spring, Australia. Feb. 15: from Samford Valley Observatory, Brisbane, Aus.; Murrumbateman Observ- atory, Murrumbateman, Aus.; Faulkes; Gingin Obser- vatory, West Gingin, Aus.; La Sagra Sky Survey (asteroid's discoverers), Andalusia, Spain.
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/15/2013 - 0:07:30 Producer: Kline

AVC-2013-044-1/1 `
Drilling into Mars - Web Video~
"RSVP" animation of Curiosity rover shows the first rock sample drilling on Mars on Feb. 8 & 20, 2013 (Sols 182 & 193). Animation, sped up 25 times, shows rotary percussive drill, swishing the sample inside drill bit to clean the sample cham- bers and transfer to rover's scoop for inspection.
Audience: JPL NASA News

Client: Webster
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/20/2013 - 0:01:46 Producer: Kline

AVC-2013-045-1/1 `
Curiosity on Mars: Curiosity Drills its First Hole~
Drill team Engineer Scott McCloskey discusses Curiosity's first drilling test and successful hole. The first time we have drilled into another planet.
Audience: Gen. Edu. JPL NASA News Resrc.
Client:
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/15/2013 - 0:01:21 Producer: Epstein

AVC-2013-046-1/1 `
Curiosity on Mars: Curiosity Collects its First Drill Sample~
Curiosity Chief Drill engineer Louise Jandura discusses the first drill sample collected in the scoop and verified.
Audience: Gen. Edu. Tech. JPL NASA News
Client:
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/21/2013 - 0:01:38 Producer: Epstein

AVC-2013-047-1/1 `
NuSTAR Helps Solve Riddle of Black Hole Spin - Video File~
For the first time, two X-ray telescopes measured definitively, the spin rate of a black hole. Includes: Artist's concept of a black hole; Animation of a spinning black hole; Animation of two spinning black holes merging; Chart depicting high-energy X-ray light;NuSTAR telescope animation
Audience: Gen. JPL NASA News Resrc.
Client: NASA TV/Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/26/2013 - 0:02:53 Producer: Hill/Savona

AVC-2013-048-1/1 `
Micro-sub Explores Buried Antarctic Lake - WISSARD Web Video~
Alberto Behar, co-investigator on WISSARD (Whillans Ice Stream Subglacial Access Research Drilling) describes the mission to explore Lake Whillans, a lake about a kilometer below an Ant- arctic glacier. Behar designed a

micro-submarine to fit down the narrow borehole to the lake.
Audience: JPL NASA News
Client: Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/27/2013 - 0:02:08 Producer: Kline

AVC-2013-060-1/2 `
von Karman Lecture-"Migration of Robotic Arm Technology from Mars"~
"There and Back Again: The Migration of Robotic Arm Technology from Mars to Earth", is a talk presented by Brett Kennedy, supervisor of the robotic Vehicles and Manipulators Group and cognizant engineer for Curiosity's robotic arm.
Audience: Gen. Edu. Site: von Karman Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/14/2013 - 1:00:00 Producer: Semerano

AVC-2013-060-2/2 `
von Karman Lecture-"Migration of Robotic Arm Technology from Mars"~
"There and Back Again: The Migration of Robotic Arm Technology from Mars to Earth", is a talk presented by Brett Kennedy, supervisor of the robotic Vehicles and Manipulators Group and cognizant engineer for Curiosity's robotic arm.
Audience: Gen. Edu. Site: von Karman Aud.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/14/2013 - 0:38:28 Producer: Semerano

AVC-2013-062-1/1 `
Planck Exposes Ancient Light of the Universe - Web Video~
Charles Lawrence, U.S. Planck Project Scientist, JPL, narrates animation showing how the Planck mission studies photons originating 370,000 years after the big bang by removing wavelengths of more recently-generated wavelengths of light to leave just the ancient light.
Audience: JPL NASA News
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/20/2013 - 0:00:58 Producer: Kline

AVC-2013-063-1/1 `
A Journey of Light through Space and Time - Planck Web Video~
Charles Lawrence, U.S. Planck Project Scientist, JPL,
narrates animation showing the paths of pho- tons generated
370,000 years after the big bang. The Planck mission
analyzes the photons' paths, which were affected by gravity
of large masses they passed and from collisions with
electrons.
Audience: JPL NASA News
Client: Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
03/20/2013 - 0:01:56 Producer: Kline

AVC-2013-065-1/1 `
Planck Mission Brings Universe Into Sharp Focus - Video File~
The Planck space mission has released the most accurate and
detailed map of the oldest light in the universe. Includes:
Universe map of the oldest light;Photon animation after big
bang;Comparison satellites image;Series of images showing
material that lies between us and ancient light;Interviews
Audience: Gen. JPL NASA News Resrc.
Client: NASA TV/Clavin
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
03/21/2013 - 0:06:13 Producer: Hill/Savona

AVC-2013-067-1/1 `
Early Radar Observations of Asteroid 2012 DA14 - Web Video~
120,000 to 314,000 kilometers
Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/16/2013 - 0:00:42 Producer: Kline

AVC-2013-072-1/2 `
von Karman Lecture - "Regenerative Fuel Cells, Energy Storage Systems"~
Thomas Valdez, a senior member of the engineering staff and
Fuel Cell Group lead, gives a presentation on regenerative
fuel cells and energy storage systems for space
applications. Included is video of the Athelete rover
undergoing testing.
Audience: Gen. Edu. Site: von Karman Aud.
Client: Marc Razze
Master: DVCPro50 Submaster: DVD

Audio 1: Mono mix 2: Mono mix
04/11/2013 - 1:00:00 Producer: Semerano

AVC-2013-072-2/2 `
von Karman Lecture - "Regenerative Fuel Cells, Energy Storage Systems"~
Thomas Valdez, a senior member of the engineering staff and Fuel Cell Group lead, gives a presentation on regenerative fuel cells and energy storage systems for space applications. Included is video of the Athelete rover undergoing testing.
Audience: Gen. Edu. Site: von Karman Aud.
Client: Marc Razze
Master: DVCPro50 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/11/2013 - 0:21:30 Producer: Semerano

AVC-2013-073-1/1 `
Curiosity on Mars: Mars' Bygone Atmosphere~
Deputy Project Scientist Ashwin Vasavada describes how the SAM instrument measurements of the gas Argon relates to Mars' ancient atmosphere.
Audience: Gen. JPL NASA
Client: Media Relations
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/12/2013 - 0:02:12 Producer: Doherty

AVC-2013-075-1/1 `
The Martians: Testing Curiosity's Parachute, Pt. 1~
Documentary footage, interviews and music tell the story of testing Curiosity's parachute. Episode centers on testing, failures, and high-speed footage. Features Adam Steltzner, Tom Rivellini, Doug Adams, Thom Wynne, and others. Shot in 2009.
Audience: Gen. Site: JPL/NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/19/2010 - 0:05:26 Producer: Beck

AVC-2013-076-1/1 `
The Martians: Testing Curiosity's Parachute, Pt. 2~
Documentary footage, interviews and music tell the story of testing Curiosity's parachute. Episode centers on setbacks and fatigue during the long test campaign. Features Adam Steltzner, Doug Adams and others. Shot in 2009.

Audience: Gen. Site: JPL/NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/19/2010 - 0:04:27 Producer: Beck

AVC-2013-077-1/1 `
The Martians: Testing Curiosity's Parachute, Pt. 3~
Documentary footage, interviews and music tell the story of testing Curiosity's parachute. Episode centers on a successful mortar-fired test in the NASA Ames wind tunnel. Features Tom Rivellini, Doug Adams, Adam Steltzner and others. Shot in 2009.
Audience: Gen. Site: JPL/NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/19/2010 - 0:04:27 Producer: Beck

AVC-2013-078-1/1 `
The Martians: Testing Curiosity's Parachute, Pt. 4~
Documentary footage, interviews and music tell the story of testing Curiosity's parachute. Episode centers on an April Fool's joke played on test conductor Doug Adams. Features Tom Rivellini, Doug Adams, Al Witkowski, Pat Goulding, Thom Wynne, Jillian Arnold and Anthony Levay. Shot in 2009.
Audience: Gen. Site: JPL/NASA Ames
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/19/2010 - 0:05:29 Producer: Beck

AVC-2013-079-1/1 `
The Martians: Life at 79 Degrees North~
Documentary footage, interviews and music take viewers along on a NASA research trip on robotics and astrobiology. The team heads to Svalbard in arctic Norway, and compares that environment with Mars. Features Andrew Steele, David Blake, Kirsten Fristad and Jen Eigenbrode. Shot in 2006.
Audience: Gen. Site: Norway
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/19/2010 - 0:04:55 Producer: Beck

AVC-2013-080-1/1 `
The Martians: Opening Dreams~
Documentary footage, interviews and music tell the story of the Open Dream Ensemble, a theater group from North Carolina who in 2009 created and staged "Peril on the Red Planet," a musical play for students about a human colony on Mars. Features James Stewart, Lauren Culpepper and Mollye Maxner.
Audience: Gen. Site: Winston-Salem
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/19/2010 - 0:04:46 Producer: Beck

AVC-2013-081-1/1 `
The Martians: Imagine Mars Program~
Documentary footage, interviews and music highlight Imagine Mars, an educational program for students. Inner-city Chicago students show off their designs for a community on Mars created through the after-school program. Also features JPL Imagine Mars coordinator David Delgado.
Audience: Gen. Site: Chicago
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2011 - 0:05:11 Producer: Beck

AVC-2013-082-1/1 `
The Martians: Imagine Mars "Bye Bye Earth" Music Video~
Inspired by their project in JPL's "Imagine Mars" education program (highlighted in AVC-2013-082), Chicago students created a rap video about their imagined community on Mars. Features intro with behind-the-scenes footage and remarks by Imagine Mars coordinator David Delgado.
Audience: Gen. Site: Chicago
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
06/06/2011 - 0:05:26 Producer: Beck

AVC-2013-083-1/1 `
The Martians: Launching Curiosity to Mars~
Documentary footage, interviews and music tell the story of all the work and final preparations completed by Curiosity engineers to get the rover ready for its flight to Mars. Concludes with footage from launch. Features Peter Illsley, Art Thompson, Dellon Strommen, Joel Krajewski, etc.

Audience: Gen. Site: JPL/KSC
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
01/26/2012 - 0:04:27 Producer: Beck

AVC-2013-084-1/1 `
Spirit Looks Back~
A look back at some of the milestones and great images from Spirit surface mission at Mars, as told through zooms and pans on images from the rover set to music. Master contains two versions (with and without onscreen text identifying the images).
Audience: Gen. Site: JPL
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/24/2011 - 0:01:40 Producer: Beck

AVC-2013-088-1/1 `
A Saturn Hurricane~
Hurricane-like storm at the north pole of Saturn as seen by NASA's Cassini spacecraft. 200 images taken Nov. 27, 2012, were re-projected so the viewer is looking straight down on the pole and interpolated to create a smooth movie.
Audience: JPL NASA News
Client: Cook
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
04/16/2013 - 0:00:40 Producer: Kline

AVC-2013-089-1/1 `
How Does a Spacecraft Take a Picture?~
Animated description of how a spacecraft records an image as data and sends it to Earth and how, on Earth, the data is reconstructed as an image. The Cassini mission at Saturn is used as a real-life example of the process. Narrator: Tyler Langley. Target audience: grades 4-8.
Audience: Edu. JPL
Client: Alice Wessen
Master: DVCProLP Submaster: DVCProLP
Audio 1: Stereo L 2: Stereo R
03/11/2013 - 0:03:02 Producer: Kline

AVC-2013-090-1/1 `
NASA Opens New Era in Measuring Western U.S. Snowpack - Video File~

The Airborne Snow Observatory (ASO) produces the most accurate measurements to date of how much water is in a mountain snowpack. Video of current and ASO methods of surveying snowpack & making snow water equivalent map of Tuolumne River Basin. Interview: Tom Painter,Principal Investigator,JPL.
Audience: JPL
Client: Buis
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/01/2013 - 0:04:32 Producer: Kline

AVC-2013-091-1/1 `
Asian-American Month Profile: Pauline Hwang~
Profile of Pauline Hwang, the Tactical Uuplink Lead for the Mars Science Laboratory during Cruise and Entry, Descent and Landing. She currently leads a team that creates instructions for the Curiosity rover's exploration of Gale Crater on Mars. Texted & textless versions + elements.
Audience: NASA
Client: Elena Mejia
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
05/02/2013 - 0:09:19 Producer: Kline

End of File.

JPL-20130101-mWhatsU-0001 **Whats Up January 2013**

Date :	1/1/13	Duration :	00:01:44:28

Monthly series for amateur astronomers. January features: Finding planets Saturn, Venus, Mars, Jupiter. How to find Juno, Dawn and Voyager spacecraft using Eyes on the Solar System.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130201-mWhatsU-0001 **Whats Up February 2013**

Date :	2/1/13	Duration :	00:02:19;07*

Monthly series for amateur astronomers. February features: view Mercury, Mars, Saturn, Jupiter and the moon. Asteroid 2012 DA-14 flyby of Earth. Comet Pan-STARRS.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130215-mAstrds-0001 **Gingin Observatory Spots Near-Earth Asteroid at Closest Approach**

Date :	2/15/13	Duration :	00:00:44:05*

Live from Gingin Observatory in West Gingin, Australia. This movie shows the asteroid 2012 DA14 flying safely by Earth, as seen from Australia around the time of its closest approach, around 11:24:42 a.m. PST (2:24:42 p.m. EST, or 19:24:24 UTC), Feb. 15, 2013. At that time, the asteroid was about 17,150 miles (27,600 kilometers) above Earth's surface. The asteroid appears streaked because the telescope was focused on the stars while the asteroid passed through the field of view.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20130220-mCassin-0001 **NASA Radar Images Asteroid Toutatis**

Date :	2/20/13	Duration :	00:01:49;03

A 64-frame movie of asteroid Toutatis generated from data taken by Goldstone's Solar System Radar on Dec. 12 and 13, 2012.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20130226-mNuSTAR-0001 **NuSTAR Helps Solve Riddle of Black Hole Spin Video File**

Date :	2/26/13	Duration :	00:03:03;07*

Video file with slate. For the first time, two X-ray telescopes measured definitively the spin rate of a black hole. Includes: Artist's concept of a black hole; animation of a spinning black hole; animation of two spinning black holes merging; chart depicting high-energy X-ray light; NuSTAR telescope animation.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20130301-mWhatsU-0001 **Whats Up March 2013**

Date :	3/1/13	Duration :	00:02:21;19*

Monthly series for amateur astronomers. March features: comet Pan-STARRS, comet ISON, Rosetta approaching comet 67P / Churyumov-Gerasimenko. View Saturn and Jupiter.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130311-mScPict-0001 **How Does a Spacecraft Take a Picture?**

Date :	3/11/13	Duration :	00:03:03;04

Animation narrated by Tyler Langley explains how a spacecraft makes an image, how the image is transmitted to Earth as data and how the data is converted back into an image.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Animation;Edited

JPL-20130326-sGRACE-0001 **NASA's GRACE Satellites See Groundwater Losses**

Date :	3/26/13	Duration :	00:05:18;06

Animations of trends in total groundwater storage in Australia, India, the Middle East and California's Central Valley as measured by NASA's Gravity Recovery and Climate Experiment (GRACE) satellites from 2003 to 2009.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130401-mWhatsU-0001 **Whats Up April 2013**

Date :	4/1/13	Duration :	00:02:23;14

Monthly series for amateur astronomers. April features: Saturn and its rings, north polar storm. Cassini spacecraft's orbits and 91st Titan flyby. Comet Pan-STARRS. Look at Jupiter, Hyades and Pleiades. Lyrid meteor shower.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono

Res :	720p59.94	Type:	Edited

JPL-20130417-mGRACE-0001 **NASA's GRACE Satellites See Groundwater Losses Around the World**

Date :	4/17/13	Duration :	00:04:25;22*

Animation of accumulated groundwater losses over time (Jan. 2003-Dec. 2009) in Australia, California's Central Valley, India and the Middle East as measured by GRACE.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Animation;Edited;Film Transfer

JPL-20130501-mTech-0001 **NASA Opens New Era in Measuring Western US Snowpack_VF**

Date :	5/1/13	Duration :	00:04:32:18*

The Airborne Snow Observatory (ASO) produces the most accurate measurements to date of how much water is in a mountain snowpack. Video of current and ASO methods of surveying snowpack & making snow water equivalent map of Tuolumne River Basin. Interview: Tom Painter, Principal Investigator, JPL.

Master :	DVCProLP	Submaster :	DVCProLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	B-Roll

JPL-20130501-mWhatsU-0001 **What's Up May 2013**

Date :	5/1/13	Duration :	00:02:24;02*

Monthly series for amateur astronomers. May features: Spring constellations. Gemini, Cancer, Leo, Cygnus, Lyra. Eskimo nebula, Beehive Cluster. M-65, M-66, NGC-3628 and Markarian's Chain galaxies. Moon and Saturn. Habitable exoplanets.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130524-mGalaxy-0001 **Cosmic Swirly Straws Feed Galaxy**

Date :	5/24/13	Duration :	00:01:28;15

Supercomputer animation of the creation of a galaxy during the first 2 billion years of the universe showing that gas flows into galaxies along filaments similar to cosmic bendy straws.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p60	Type:	Edited

JPL-20130529-mRadar-0001 **Revealing Asteroids with Radar: 1998**

QE2

Date : 5/29/13 Duration : 00:02:18:15

Marina Brozovic, Radar Scientist-JPL and Lance Benner, Reaserach Scientist-JPL explains the Asteroid 1998 QE2 closest approach to Earth flyby on May 31, 2013. Brozovic discusses the size, rotation, shape and it is too far and too small to see. She talks about the Asteroid Toutatis (shows a black and white image). Benner tells us that there are only two radar facilities in the world that can observe these and they are Goldstone and Arecibo observatories. Animation of showing how the radar will be able to observe the rotation of the asteroid and see surface features.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20130601-mWhatsU-0001 **Whats Up June 2013**

Date : 6/1/13 Duration : 00:02:36;23

Monthly series for amateur astronomers. Features: Asteroid 1998 QE2, Gamma Delphinids, Main Belt Asteroids: Ceres, Pallas, Vesta , Juno

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130603-mMSL-0001 **Curiosity Mars Rover Drilling into Its Second Rock**

Date : 6/3/13 Duration : 00:00:41;03*

A sequence of images from the Front Hazard-Avoidance Camera on NASA's Mars rover Curiosity shows the rover drilling into rock target "Cumberland" on May 19, 2013. The video is at accelerated speed. It loops 4 times.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20130605-mMars-0001 **Dry Ice Moves on Mars**

Date : 6/5/13 Duration : 00:02:26:23*

Serina Diniega, JPL Systems Engineer, describes experiments done on Earth sand dunes that explain gullies on Mars that end in pits, rather than "debris aprons" as Earth gullies do.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p 60	Type:	Edited

JPL-20130611-mCARVE-0001 **NASA's CARVE Searches for a Sleeping Climate Giant VF**

Date : 6/11/13 Duration : 00:05:28;10

Video: CARVE field campaign flying over Arctic terrain. Map of CARVE campaign study areas.

Samples of CARVE data. Interview excerpts: Charles Miller, CARVE Principal Investigator, JPL.

Master :	DVCProLP	Submaster :	DVCProLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130611-mMSL-0001 **Curiosity on Mars: Rover Ready to Switch Gears**

Date :	6/7/13	Duration :	00:02:04;14

Ashwin Vasavada, Deputy Project Scientist-Mars Science Laboratory, JPL reports on the measurements from Curiosity's Radiation Assessment Detector (RAD) instrument, the conclusion that the rover is working in an ancient Martian stream bed, and that Curiosity's instruments are analyzing the rock sample from the second drill site.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20130612-sMSL-0001 **MSL cleared raw footage: Sol 201 - Team Reestablishes Comm. with Curiosity**

Date :	2/28/13	Duration :	00:14:32;22

After a computer anomaly on the Curiosity rover at Mars, team members send up commands and wait to receive a signal that the spacecraft is still alive and communicating. Features Rob Manning explaining the radio spectrum graphs, Ryan Mukai, Bobak Ferdowski, Brad Compton, Magdy Bareh, Richard Cook, Michael Watkins, Jennifer Trosper, Peter llott and more. (Also features brief informal interviews with Manning and llott).

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	B-Roll

JPL-20130617-mAstrds-0001 **Radar Movies Highlight Asteroid 1998 QE2 and Its Moon**

Date :	6/17/13	Duration :	00:00:53;17*

Black and white radar data depicting Asteroid 1998 QE2's primary body. Its moon, or secondary body, is the bright dot ascending just to the left of image center. 1998 QE2 has a rotation period of about 5 hours; its moon takes approximately 32 hours to orbit the primary body.

Master :	DVCProHD	Submaster :	File
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20130621-mVKLect-0001 **VK Lecture Series - "Forecasting Quakes: Facts, Myths and Possibilities"**

Date :	6/21/13	Duration :	00:58:59;20

Marc Razze, JPL's Public Services Representative introduces Greg Lyzenga of JPL's Solid Earth Group. Greg discusses the scientific principles that allow, or rule out, useful earthquake forecasts. This talk reviews the past history and basic principles behind efforts to anticipate the

location, size and timing of seismic events and highlights new techniques in data collection and improved understanding of how the Earth works leading to ever improving forecast capability.

Master :	BCAMsp	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130621-mVKLect-0002 **VK Lecture Series - "Forecasting Quakes: Facts, Myths and Possibilities"**

Date :	6/21/13	Duration :	00:30:00;00

Greg Lyzenga of JPL's Solid Earth Group closes his presentation with a Questions and Answer session.

Master :	BCAMsp	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130621-mVoyage-0001 **NASA Voyager Explores Last Layer of Solar Bubble**

Date :	6/21/13	Duration :	00:05:26:26

Data from Voyager 1, now over 11 billion miles from the sun, suggest the spacecraft is getting closer to becoming the first human-made object to reach interstellar space. In this charged-particle environment--the "magnetic highway--Voyager has detected low-energy galactic cosmic rays as detection of particles of the same energy from the sun has disappeared.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130701-mMSL-0001 **Phobos Passing Overhead as Seen by NASA's Curiosity Rover**

Date :	7/1/13	Duration :	00:00:32;14*

Black and white footage of Phobos, the larger of the two moons of Mars, moves from lower center to near the top of this sped-up movie. The actual elapsed time is 27 minutes.;NASA's Curiosity Mars Rover pointed its Navigation Camera straight upward shortly after sunset and shot these 86 frames on June 28, 2013, PDT.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20130701-mWhatsU-0001 **What's Up July 2013**

Date :	7/1/13	Duration :	00:02:32;05*

Monthly series for amateur astronomers. July features: Wave at Saturn.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix

Res :	720p59.94	Type:	Edited

JPL-20130709-m2020-0001 **NASA's Mars 2020 Rover Mission**

Date :	7/9/13	Duration :	00:03:09;02*

NASA's Mars 2020 Rover Mission. Jim Bell-Science Definition Team Member, Planetary Scientist, Arizona State University; Jack Mustard-Science Definition Team Chair, Brown University; Lindy Elkins-Tanton-Director of the Carnegie Institution for Science's Department of Terrestrial Magnetism and Abigal Allwood-Science Definition Team Member, Astrobiologist, Jet Propulsion Laboratory discuss The Story of Mars 2020, What will the 2020 Rover do on Mars, Building on the Legacy of Curiosity, Progress Toward Mars Sample Return, and an opportunity to prepare for human exploration of Mars.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20130710-sSMAP-0001 **SMAP Spacecraft 1st Stage Deployment from Delta Rocket CGI**

Date :	7/10/13	Duration :	00:00:07:15*

SMAP booster/Spacecraft deployment from Delta launch vehicle. California coast visible in background after launch from Vandenburg Air Force Base. First stage booster.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0002 **SMAP Spacecraft 2nd Stage and Fairing Deployment CGI**

Date :	7/10/13	Duration :	00:00:10:00*

Delta nose cone fairing deployment from SMAP 2nd stage booster/Spacecraft. Booster fires at end of shot.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0003 **SMAP Spacecraft Deployment fron 2nd Stage CGI**

Date :	7/10/13	Duration :	00:00:11:20*

SMAP spacecraft deployment from booster stage.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0004 **SMAP Spacecraft Solar Panel Deployment CGI**

Date :	7/10/13	Duration :	00:00:47:25

SMAP Spacecraft solar panel deployment. Spacecraft is not sun pointed and fires thrusters to orient the spacecraft and panels toward the sun.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0005 **SMAP Spacecraft Antenna Boom Deployment CGI**

Date :	7/10/13	Duration :	00:00:34:09

Deployment of SMAP Antenna Boom above Earth.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0006 **SMAP Spacecraft Boom Deployment 2X (slow version) CGI**

Date :	7/10/13	Duration :	00:01:08:35

SMAP Boom deployment - 2X slower version approved by the mission for their use.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0007 **SMAP Spacecraft Antenna Deployment CGI**

Date :	7/10/13	Duration :	00:00:33:09

SMAP Boom deployment. This is the normal speed version which is fast, use for media release. 2X version is version for mission use.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0008 **SMAP Spacecraft Antenna Spinup CGI**

Date :	7/10/13	Duration :	00:00:50:00

SMAP Spacecraft spinner, spin up to 5 rpm with counter rotation of SC bus. SC bus stabilizes with use of internal reaction wheels.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0009 **SMAP Spacecraft Beauty shot CGI**

Date :	7/10/13	Duration :	00:00:33:09

Beauty shot of SMAP spacecraft above Magellan straits/South America in early morning. Orbit is descending orbit. Spinner antenna is spinning at final 14.RPM. White beam from antenna fades up last half of shot. This is for visualization only as beam will not really be visible. This is the

preferred beauty shot for media.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0010 **SMAP Spacecraft Science Data Collection CGI**

Date :	7/10/13	Duration :	00:01:06:18

Science Data collection - SMAP Spacecraft in orbit moving South above North America. Antenna is spinning and simulated beam is rotating and intersecting with the Earth in a circular path. The resulting data swath shows different graphical representations of Radar data, simulated data collection and ultimately derived data that will be collected with the SMAP instrument. Camera POV moves outward showing the multi day swaths that will create a global collection of data.

Master :		Submaster :	
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20130710-sSMAP-0012 **SMAP Full Mission Animation CGI**

Date :	7/10/13	Duration :	00:06:06;00*

Full edited CGI mission animation. Showing SMAP Spacecraft 1st Stage Deployment from Delta 2 rocket, 2nd Stage and Fairing Deployment, SC Deployment from 2nd Stage, Solar Panel Deployment, Antenna Boom Deployment, Antenna Deployment, Antenna Spin Up, Spacecraft Beauty Shot, and Science Data Collection. This includes all mission approved CGI animations. This version does not have any text captions

Master :		Submaster :	
Audio1 :	Mono	Audio2 :	Mono mix
Res :	720p59.94	Type:	Animation;Edited

JPL-20130710-sSMAP-0013 **Simulated SMAP launch**

Date :	6/24/13	Duration :	00:00:39;17

This is simulated footage of the SMAP launch, using recorded footage from NASA TV of the WISE daytime launch at VAFB. SMAP type graphics were also composited into some of the sequences. "Simulated Footage" is burned into the top of the frame during the entire sequence. THis is NOT the REAL SMAP launch!

Master :		Submaster :	
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited;Grfx / Still

JPL-20130711-mMSL-0001 **Curiosity on Mars: Trek to Mount Sharp Begins**

Date :	7/11/13	Duration :	00:02:02;29*

As Curiosity begins her trek to Mount Sharp, MSL Rover Planner and Flight Software Developer Jeff Biesiadecki describes the navigation tools rover drivers use to plan, document and present

drives.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20130718-mVKLect-0001 **von Karman Lecture: Exploring the Extreme Universe with NuSTAR-1**

Date :	7/18/13	Duration :	0.04380787

Intro: Marc Razze, Public Services Representative. Daniel Stern, NuSTAR Project Scientist, JPL, presents highlights from the first year of observations and describes how the Nuclear Spectroscopic Telescope Array (NuSTAR) is changing our picture of the extreme universe. Beginning of questions and answer session.

Master :	DVCPro HD-LP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Live Multi Cam;Sat / Air Chk

JPL-20130718-mVKLect-0002 **von Karman Lecture: Exploring the Extreme Universe with NuSTAR-2**

Date :	7/18/13	Duration :	0.007291667

Question and Answer session continued.

Master :	DVCPro HD-LP	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130719-mCassin-0001 **Wave at Saturn**

Date :	7/9/13	Duration :	0.021574074

Ustream production describing how the Cassini spacecraft at Saturn will make an image mosaic of the side of Saturn facing away from the sun, including in one segment of the mosaic an image of the Earth and its moon. Recorded live on the JPL mall as hundreds of people gathered to wave in the direction of Saturn while Cassini made the image. Host: Gay Yee Hill. With Scott Edgington, Cassini Deputy Project Scientist, JPL; Joseph Burns, Cassini Imaging Scientist, Cornell (via Skype); Stuart Atkinson, amateur astronomer in the UK (via phone); Jane Houston Jones, JPL outreach specialist and amateur astronomer.

Master :	DVCPro HD-LP	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130729-mMSL-0001 **Curiosity Rover Report-Curiosity on Mars "Curiosity**

Hits Paydirt"

Date :	3/15/13	Duration :	0.001724537

Joel Hurowitz-MSL Surface Sampling System Scientist talks about the "John Klein" drill site area.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20130730-mSMAP-0001 **SMAP: Soil Moisture Active Passive-SAF 3-min version**

Date :	10/21/13	Duration :	00:03:12;02*

Stock live action footage and animation describe the SMAP mission from launch through configuration for operation in space. The animation demonstrates the types of measurements SMAP's instruments will make. Subtitles describe the events.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Effects	Audio2 :	Effects
Res :	720p59.94	Type:	Edited

JPL-20130730-mSMAP-001 **SMAP: Soil Moisture Active Passive-Full-length version**

Date :	7/30/13	Duration :	00:06:00;12*

Stock live action footage and animation describe the SMAP mission from launch through configuration for operation in space. The animation demonstrates the types of measurements SMAP does.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Animation;Edited

JPL-20130801-mMSL-0001 **Twelve Months in Two Minutes: Curiosity's First Year on Mars**

Date :	8/1/13	Duration :	00:02:12;23*

This series of 548 images shows the view from NASA's Mars rover Curiosity's front Hazard-Avoidance Camera from the day the rover landed in August 2012 through July 2013. The scenes include Curiosity collecting its first scoops of Martian soil and collecting a drilled sample from inside a Martian rock.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20130801-mWhatsU-0001 **Whats Up August 2013**

Date :	8/1/13	Duration :	00:02:12;14

Monthly series for amateur astronomers. August features: Perseid meteor shower and comet ISON update.

Master :	File	Submaster :	DVCProHDL

			P
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130808-mHQ-0001 **Curiosity: One Year on Mars Anniversary Celebration-NASA**

Date : 8/5/13 Duration : 01:32:54:12

Trent Perrotto introduces Jim Green - Director, Planetary Division NASA's SMD, Prasun Desai - Acting Director, Strategic Integration, NASA's STMD, Sam Scimemi - Director, NASA;s International Space Station Program, Astronauts Chris Cassedy and Karen Nyberg aboard Space Station, Charles Bolden.

Master :	DVCProLP	Submaster :	DVCProLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Satellite / Air Check

JPL-20130815-mVKLect-0001 **von Karman Lecture Series: Curiosity's First Year on Mars**

Date : 8/15/13 Duration : 00:56:00;05

Sarah Marcotte, Mars Outreach introduces Dr. Ashwin R. Vasavada, JPL's Deputy Project Scientist, Mars Science Laboratory. He discussed the successful landing and revealed some of the results from the last year of working on the surface of the Red Planet.

Master :	DVCPro HD-LP	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130815-mVKLect-0002 **von Karman Lecture Series: Curiosity's First Year on Mars**

Date : 8/15/13 Duration : 00:36:00;05

Clapping-then Ashwin takes questions, picture of Mt. Sharp entry point.

Master :	DVCPro HD-LP	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130816-mMSL-0001 **One Martian Moon Passes the Other as Seen by NASA's Curiosity Rover**

Date : 8/16/13 Duration : 00:01:20;00

Zoom to camera on Curiosity, then pan up to sky to see move: Deimos, the smaller of the two moons of Mars, appears near the center of the field of view and is occulted by Mars' larger moon, Phobos, in this sped-up movie. The actual elapsed time is 55 seconds. NASA's Curiosity rover used its Mast Camera to record this series of 41 images on August 1, 2013.

Master :	DVCProH	Submaster :	DVCProHD

	D		
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20130822-mMSL-0001 **Curiosity on Mars: The Odometer Keeps Turning**

Date :	8/22/13	Duration :	00:01:21;10*

Colette Lohr, MSL Tactical Uplink Lead introduces the Curiosity Rover Report; Pics of the rover trekking to Mount Sharp; Video of Mars Moons Phoboes moving in front of Deimos taken by the MastCam camera's telephoto lens; Black & White pictures from the rear hazard avoidance camera; Picture of CHIMRA-Collection and Handing for the In-Situ Martian Rock Analysis and deliver samples to the instruments; Animation of the SAM (Sample Analysis at Mars) instrument inlet that is located in the belly of the rover; pictures of Quadruple Mars spectrometer, Tunable Laser Spectrometer and Gas Chromatograph.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Stereo mix	Audio2 :	Stereo mix
Res :	720p59.94	Type:	Edited

JPL-20130829-mVoyage-0001 **Voyager: Humanity's Farthest Journey - UPDATED Voyager 2 Destination**

Date :	9/4/12	Duration :	00:03:09;23*

1. Voyager [,ÄúV,Äù] Launch; 2. Animation: Voyager 1 flying from star field into interstellar plasma; 3. Animation: V oyager1 flying from solar particles into interstellar plasma; 4. March 2012 solar storms seen by Solar Dynamics Observatory and Solar and Heliospheric Observatory; 5. Sound of dense interstellar plasma; 7. Animation: Voyagers flying past 4 outer planets.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20130901-mWhatsU-0001 **Whats Up September 2013**

Date :	9/1/13	Duration :	00:02:15;23

Monthly series for amateur astronomers. September features: LADEE-Lunar Atmosphere and Dust Environment Explorer Launch, Comet ISON, What's Visible in the Night Sky, Juno

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20130904-mVoyage-0001 **Voyage of Discovery-Music**

Date :	4/26/11	Duration :	00:01:33;22*

Animation of the two Voyagers flying by our solar system's 4 outer planets and of Voyager 1.

Master :	DVCProHD	Submaster :	DVCProHD

Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Animation

JPL-20130904-mVoyage-0002 **Voyage of Discovery_No Music**

Date :	4/26/11	Duration :	00:01:33;22*

Animation of the two Voyagers flying by our solar system's 4 outer planets and of Voyager 1.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Animation

JPL-20130910-mVoyage-0001 **Voyager Media Reel**

Date :	9/10/13	Duration :	00:06:03;07*

Voyager launch (3 angles, silent); animations: Voyager 1 flying from heliosphere into interstellar plasma, flying from particles emitted by sun into interstellar plasma; solar storms of March 2012 as recorded by NASA's Solar Dynamics Observatory & NASA's Solar and Heliospheric Observatory; sound of dense plasma (ionized gas) vibrating in interstellar space recorded by plasma wave instrument (Oct.-Nov 2012 & Apr.-May 2013); animation of the two Voyager spacecraft flying past the 4 outer planets of our solar system.

Master :	DVCPro50	Submaster :	DVCPro50
Audio1 :	Mono	Audio2 :	Mono
Res :	720x480	Type:	Animation;B-Roll

JPL-20130910-mVoyage-0001 **Voyager 1 Measures Cosmic Ray Data**

Date :	9/10/13	Duration :	00:01:05:01

Animation of data from Voyager 1's cosmic ray instrument on August 25, 2012, shows a dramatic dip in the levels of charged particles originating inside the heliosphere and a rise in the level of cosmic rays, particles originating from stars other than the sun, suggesting Voyager 1 had reached interstellar space. This was later confirmed by data from another instrument.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p60	Type:	Edited

JPL-20130912-mVKLect-0001 **vKA Lecture: "Telexploration and Video Game Technologies"**

Date :	9/12/13	Duration :	01:05:47;00

Marc Razze, Public Services Representative introduces Jeff Norris, planning and execution systems manager in the Systems and Software Division at JPL. Jeff gives a talk on Telexploration. The goal of the Telexploration project is to make us better explorers by building immersive environments that feel like we are really there. By drawing together technologies from sources as unlikely as the video game industry and advancing the state of the art in human-system interaction, we are working towards low-cost ‚Äúholodecks‚Äù ‚Äî not only for every NASA mission scientist, but for every person who longs to explore space. This presentation will described progress towards these ambitious goals as well as the challenges that are ahead.

Master :	DVCProHD	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130912-mVKLect-0002 **vKA Lecture: "Telexploration and Video Game Technologies"**

Date :	9/12/13	Duration :	00:01:50;00

Question and Answer session continued.

Master :	DVCProHD	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130912-mVoyage-0001 **Interstellar Voyager**

Date :	9/12/13	Duration :	00:02:08;21*

Voyager Project Scientist, Dr. Ed Stone, California Institute of Technology explains how a sun eruption caused the plasma around the Voyager 1 spacecraft to vibrate producing sound waves the frequency of interstellar space. Voyager Project Manager, Suzanne Dodd is amazed that Voyager 1 has operated for 36 years and traveled 11.6 billion miles while still delivering scientific data.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20130912-mVoyage-0001 **NASA Science Update: VOYAGER, Are We There Yet?**

Date :	9/12/13	Duration :	00:57:30;01

Dr. Ed Stone, Voyager Project Scientist, California Institute of Technology makes a historic announcement of NASA's Voyager 1 spacecraft is in interstellar space, the space between the stars. Dwayne Brown, NASA Office of Communications moderates and John Grunsfeld, NASA Associate Administrator of SMD makes a few comments. Panelists: Dr. Edward Stone- Voyager Project Scientist, California Institute of Technology, Don Gurnett-PI Voyager Plasma Wave Investigation, Univ. of Iowa, Gary Zank-Dept. of Space Sciences, CSPAR, Univ. of Alabama-Huntsville, Suzanne Dodd-Voyager Project Manager, Jet Propulsion Laboratory (JPL). Questions and answers; Video at end: Message to Voyager-Welcome to Interstellar Space. Video consisted of Neil de Grasse Tyson-Astrophysicist & Director of the Hayden Planetarium; Ann Druyan-Creative Director of Voyager Golden Record; Bill Prady-Big Bang Theory Co-Creater/Producer; Mike Massimino-Astronaut; LeVar Burton-Actor, Star Trek: Next Genration; Wil Wheaton-Actor, Star Trek: Next Generation; Tim Ferris-Producer of Voyager Golden Record; Nick Sagan-Author, son of Carl Sagan; Black & White picture of Nick and Carl Sagan together; Janet Sternberg-Portugese speaker on Voyager Golden Record.;

Master :	DVCProHD	Submaster :	DVCProHD

Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Satellite / Air Check

JPL-20130919-mMSL-0001 **Curiosity on Mars: Leave the Driving to AutoNav**

Date :	9/19/13	Duration :	00:02:33;05

Curiosity Rover Update. Shots of JPL's Mars Yard with Curiosity; Mark Maimone, MSL Rover Planner and Mobility Engineer gives an update on the Curioisty Rover; Testing with Curiosity; Shot of data on computer screen of Autonomous Navigation Software in use; Black and White pictures from the NavCam View; Animation of Curiosity's first autonomous drive on Mars-showing the camera moving as she drives; Visual Odometry is another part of autonomous navigation capabilities; Before and after shots of a short and long drive on the Mars terrain from the NavCam; Demo of how fast Curiosity travels on Mars-2 inches per second; Time Lapse of rover point view at the MArs's Yard; Map of Curiosity's location and her route to Mount Sharp.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20131001-mWhatsU-0001 **Whats Up October 2013**

Date :	10/1/13	Duration :	00:02:19;04

Monthly series for amateur astronomers. October features: Juno's Earth flyby, International Observe the Moon Night, and how to observe the moon's far side. View Jupiter.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20131009-mGRACE-0001 **NASA's GRACE Tracks Monthly Changes in US Land Water Storage 2003-2013**

Date :	10/9/13	Duration :	00:01:44;27*

Animation illustrates the highs and lows of combined land water storage (snow, soil moisture and surface water) over the continental U.S. from 2003 to early 2013 as measured by NASA's Gravity Recovery and Climate Experiment (GRACE) satellites.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Edited

JPL-20131010-mVKLect-0001 **von Karman Lecture Series: Theodore von Karman and the Creation of JPL**

Date :	10/10/13	Duration :	00:53:00;05

Mark Razze, Public Services Representative introduced speaker Dr. Erik Conway, JPL Historian. He discussed that the year 2013 marks the 50th anniversary of Theodore von Karman's death. Conway told the story of von Karman's life in aeronautics, engineering, and science, and

particularly focused on his role in founding JPL.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131101-mWhatsU-0001 **Whats Up November 2013**

Date : 11/1/13 Duration : 00:02:55;06

Monthly series for amateur astronomers. November features: Maven Mission, Comet ISON

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20131104-mSocial-0001 **NASA Earth Science Social-1**

Date : 11/4/13 Duration : 00:57:02;00

Social Media event in von Karman Auditorium. Overview of how we study Earth from space and data obtained. SMAP overview. Eyes on the Earth demo. RapidScat and QuikSCAT discussion. Ocean sciences, including demo of fire vs. water-filled balloon. Featured people: Veronica McGregor, JPL's News & Social Media Manager; Deputy Director of Earth Science Directorate, JPL's Jim Graf; Stephanie L. Smith, JPL's Social Media Specialist; Narendra Das-JPL's Research Scientist and Erika Podest-JPL's Research Scientist; Doug Ellison, JPL's Visualization Producer; JPL's RapidScat Project Scientist, Ernesto Rodriquez; Josh Willis, JPL's Oceanographer/Climate Scientist, explains why the ocean is so important... this overlaps into tape #2.

Master :	DVCProHD	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131104-mSocial-0001 **NASA Social Earth Now**

Date : 11/4/13 Duration : 02:00:20:00

NASA Earth Science Social event in von Karman auditorium. Overview of how we study Earth from space and data obtained. SMAP overview. Eyes on the Earth demo. RapidScat and QuikSCAT discussion. Ocean sciences, including demo of fire vs. water-filled balloon. Overview of carbon cycle and OCO-2. Featured people: Veronica McGregor, Jim Graf, Stephanie L. Smith, Narendra Das, Erika Podest, Doug Ellison, Howard Eisen, Ernesto Rodriguez, Josh Willis.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131104-mSocial-0002 **NASA Earth Science Social-2**

Date : 11/4/13 Duration : 01:03:18;00

NASA Social #Earth Now. Social Media event in JPL's von Karman Auditorium. Overview of carbon cycle and the Orbiting Carbon Observatory-OCO-2. Featured people: Stephanie L. Smith, JPL's Social Media Specialist; Howard Eisen and Ernesto Rodriquez; Josh Willis, JPL's Oceanographer/Climate Scientist and Project Scientist for the Jason 3 Mission; Annmarie Eldering, JPL's Deputy Project Scientist for OCO-2 and Mike Gunson, JPL's Project Scientist for OCO-2; Dave Crisp, JPL's Principal Investigator for OCO-2; Veronica McGregor, JPL's Media Relations Manager.

Master :	DVCProHD	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131107-mMars-0001 **Curiosity and MAVEN Explore Mars - 2 Min version**

Date : 11/7/13 Duration : 00:02:05;24*

Animation with music and sound effects shows the approach of MAVEN to Mars as Curiosity works on the surface. Curiosity's camera head tilts upward to watch MAVEN pass overhead. A star effect shows Curiosity's location at Gale Crater from MAVEN's point of view.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Stereo	Audio2 :	Stereo
Res :	720p59.94	Type:	Edited

JPL-20131107-mVKLect-0001 **IRAS to Spitzer and Beyond: 30 years of Space-Based Infrared Astronomy**

Date : 11/7/13 Duration : 00:01:06;00

The infrared lies beyond the red end of the visible spectrum of light. Cool and dusty things throughout the Universe appear bright in infrared. 2013 is a significant year in infrared astronomy -- it marks the 30th anniversary of the launch of IRAS, the Infrared Astronomical Satellite, which revolutionized our view of the infrared cosmos, increasing the number of known infrared sources by about 70%. It's also the 10th anniversary of the launch of the Spitzer Space Telescope, at the time the most sensitive infrared telescope ever built, which has helped revolutionize our understanding of galaxy evolution, exoplanets, and star formation. 2013 is also the 4th anniversary of the launch of the infrared missions Herschel and WISE, the Wide-Field Infrared Survey Explorer. This talk will review some of the major discoveries from each of these important infrared astronomy missions.

Master :	DVCPro HD-LP	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131111-mCassin-0001 **Cassini_Mossaic_VF**

Date :	11/11/13	Duration :	00:04:31:21*

A panorama of the majestic Saturn system is unveiled in a new mosaic from NASA's Cassini mission. It sweeps 404,880 miles across Saturn and its inner ring system, including all of Saturn's rings out to the E ring. Cassini's imaging team processed 141 wide-angle images to create the panorama. The mosaic is part of Cassini's "Wave at Saturn" campaign, which marked the first time Earthlings had advance notice a spacecraft was taking their picture from planetary distances. A new version of the collage of photos shared by the public is also available, with the Saturn system as backdrop.;Interview with Linda Spilker.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p 60	Type:	Edited

JPL-20131113-mWhatsU-0001 **What's Up Archive #6 - November 2013 to**

Date :	11/21/13	Duration :	0.013159722

Astronomy series for the general public. A guide to naked-eye and small-telescope viewing featuring topics relevant to the month each episode airs. 2013: Nov.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20131114-mMSL-0001 **Curiosity's Path to Mount Sharp**

Date :	11/14/13	Duration :	00:02:17;01

Animated flyover of the area Curiosity has explored moves on to Murray Buttes, named for Bruce Murray, former JPL Director. Murray Buttes contains a valley that may allow Curiosity a path to Mount Sharp that does not need to cross sand dunes. Narrated by John Grotzinger, Mars Science Laboratory Project Scientist.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20131126-mOPALS-0001 **Hello World**

Date :	11/26/13	Duration :	00:00:36;01*

A very brief history of communication. First video communication sent from the OPALS payload. Hello World is known among programmers as the first computer coding message.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p60	Type:	Edited

JPL-20131201-mWhatsU-0001 **Whats Up December 2013**

Date : 12/1/13 Duration : 00:02:31;18

Monthly series for amateur astronomers. December features: Comet ISON. Venus at its brightest (magnitude -4.9). Mars grows brighter. View Jupiter. Geminid meteor shower. View Orion's stars Betelgeuse and Rigel and the Orion Nebula.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20131205-mCassini-0001 **Cassini Scientist for a Day**

Date : 12/5/13 Duration : 00:01:00;05

Cassini scientists will answer students‚Äô questions about Saturn and its moons in a live webcast Thursday, Dec. 5 from 10 to 11 a.m. Pacific Time. Above image shows a jet stream known as a hexagon swirling around Saturn‚Äôs north pole, as obtained by Cassini data.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131205-mSocial-0001 **Cassini Google Plus Hangout on Air: Weird & Wonderful Saturn**

Date : 12/5/13 Duration : 01:01:40;05

Jia-Rui Cook Moderator from JPL's Media Relations introduced the three presenters: Kunio Sayanagi, Cassini Imaging Team Associate, Hampton University, VA.; Carolyn Porco, Cassini Imaging Team Lead, Space Science Institute, Boulder, CO; Linda Spilker, Cassini Project Scientist, NASA's Jet Propulsion Laboratory (JPL), Pasadena, Calif.; Earl Maize, Cassini Program Manger, JPL. Kunio told about a unique six sided jet stream around the North pole of Saturn call "The Hexagon". Carolyn discussed about a mosaic of the inter planets of the solar system. Linda talked about What's up next for Science and new and exciting things for the next few years. Earl talked about how does the spacecraft do all it's acrobatics it needs to do to get the great science.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live 1 Cam

JPL-20131205-mVKLect-0001 **von Karman Lecture Series: Revealing the Ancient Universe with Planck**

Date : 12/5/13 Duration : 00:01:33;05

Marc Razze, JPL's Public Services Representative introduces Charles Lawrence, project scientist for the U.S. Planck team. Charles presents a talk on the Planck mission. Launched on May 14, 2009, the Planck mission studies the ancient radiation from the Big Bang.

Master :	DVCProH	Submaster :	DVD

	D		
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131205-mVKLect-0002 **von Karman Lecture Series: Revealing the Ancient Universe with Planck**

Date :	12/5/13	Duration :	00:00:33;05

Charles Lawrence continues to discuss temperature variations, constraints on inflation and ends with a questions and answer session.

Master :	DVCProHD	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131216-sVoyage-0001 **Voyager 1 Zooms of Jupiter**

Date :	3/5/79	Duration :	00:08:31;02

Voyager 1 Zooms of Jupiter. Black and White. From Julie Cooper in JPL Archives. JPL/218, Box 62. BC 4131831.

Master :	DVCPro25	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720x480	Type:	Film Transfer

JPL-20131217-mMER-0001 **MER A (Spirit) Delta II Pre-Launch & Post Launch Press Conf./MER B (Opportunity)Launch**

Date :	6/7/03	Duration :	01:19:30;05

Pre-Launch Briefing 6-7-03, 1:00PM. MER A (Spirit) Moderator, George Diller-NASA HQ Public Affairs. Panelists: Orlando Figeroa-NASA's Mars Exploration Program Director, Omar Baez-NASA Launch Director, Kris Walsh-Boeing/KSC Director for NASA Programs, Pete Theisinger-Project Manager, JPL, Joel Tumbiolo-Launch Weather Officer. Q &A. MER A (Spirit) Post Launch 6-10-03, 4PM. MER B (Opportunity/Delta II Launch 6-7-03 from Hanger A & E. Shots of Delta Ops Bldg., Tom Gavin at Console. NASA Admin. Sean O'Keefe congratulates team on a successful launch and speaks to press.

Master :	BCAMsp	Submaster :	DVCPro25
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20131218-mDSN-0001 **DSN 50 Years of Interplanetary WiFi**

Date :	12/18/13	Duration :	00:02:47:24

The history, purpose, uses and future of the Deep Space Network are described.

Master :	File	Submaster :	DVCProHDLP

Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20131219-mDSN-0001 **DSN Anniversary Video File**

Date :	12/19/13	Duration :	00:07:36;26

NASA's Deep Space Network, the world's largest and most powerful communications system for "talking to" spacecraft, will reach a milestone: the 50th anniversary of its official creation, on Dec. 24, 2013. The Deep Space Network has been so critical to so many missions over the decades that network's team members like to use the phrase "Don't leave Earth without us.";

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20131219-mDSN-0001 **DSN 5oth Anniversary for Media**

Date :	12/19/13	Duration :	00:08:30;00*

NASA's Deep Space Network, the world's largest and most powerful communications system for "talking to" spacecraft, will reach a milestone: the 50th anniversary of its official creation, on Dec. 24, 2013.;Interviews with Allen Chen, Al Bhanji, Paul Westmorland

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p 60	Type:	Edited

JPL-20131219-mLangly-0001 **Viking 30th Anniversary Highlights Special from Langley Research Center**

Date :	12/19/13	Duration :	00:58:58;02

Highlights of: James Martin, Gentry Lee, Viking 1 & 2 launches and landings, cheers and hugs, soil sampling, humans walking on Mars, Lesa Roe-Director of Langley "One NASA". Mars: Past, Present, and Future. " Presenters: John Casani-Special Assistant to the Office of The Director-JPL; Tom Young-Viking Project , Chair; Israel Taback-Viking Project-EDL; Norm Grabilll-Viking Project-Landing Site Information; Joel Levine-Science Directorate, Langley. Noel Hinners-Former associate Administrator for Space Science. Gentry Lee-JPL Viking Project-Chair. He talked about being part of history, The Golden Age of Space Exploration and shouting Hip, Hip Horray when Viking landed; Ray Arvidson-Viking Project and Washington University, St. Louis, Ron Greeley-Viking Project and Arizona State Univ.; Douglas McCuistion-Director of Mars Exploration Program, Chair. He discussed how Viking changed our view of Mars and goals; Michael Meyer-Lead Scientist, NASA Mars Exploration Program. Rob Manning-JPL-EDL Engineer, Doulas Cooke-Deputy, Associate Administrator of NASA Exploration Systems 2004 Vision for the Space Program, layout the strategy to implement how to put people on Mars and those factors. Conway Snyder-Viking Project. He talked about what he remembers about the mission. ;Joel Levine talked about Viking student interns of 1976 and where are they now. ;;

Master :	DVD	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720x480	Type:	Edited;Live Multi Cam

JPL-20131220-mDSN-0001 **DSN 50th Anniversary Media Reel**

Date :	12/20/13	Duration :	00:08:30;00

B-roll of Goldstone Deep Space Network complex, animation: 3 DSN stations around the world, interviews.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	B-Roll;Edited

JPL-20140101-mWhatsU-0001 **Whats Up January 2014**

Date :	1/1/14	Duration :	00:02:29;07*

Monthly series for amateur astronomers. January features: Jupiter at conjunction, Venus at opposition, Juno mission update, Quadrantid meteor shower.;

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140107-mMER-0001 **MER 10th Anniversary Video File**

Date :	1/2/14	Duration :	00:11:20;28

NASA Mars rovers Spirit and Opportunity landed on Mars in January 2004 for missions of exploration planned to last for three months.¬† Spirit worked for six years and Opportunity is still going strong, conducting research.¬† Both rovers found important evidence for ancient environments where water was active. Spirit landed inside Gusev Crater on Jan. 4, 2004, Universal Time (Jan. 3, PST). Opportunity landed in the Meridiani Planum region on Jan. 25, UT (Jan. 24 PST).;Interviews with John Callas and Steve Squyres.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p 60	Type:	Animation;B-Roll;Edited

JPL-20140110-mTech-0001 **Robosimian at DARPA Challenge**

Date :	1/13/14	Duration :	00:02:46;27*

JPL's multi-limbed robot "Robosimian" is shown at DARPA's Robotics Challenge.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140115-mArctic-0001 **Clouds Over Cracks in Arctic Sea Ice Show Mercury Pumping**

Date :	1/15/14	Duration :	00:00:33;16

Clouds rising from cracks in Arctic sea ice near Barrow, Alaska. The warmth that forms the clouds pumps mercury down to the ice and ocean, where it can be toxic to animals.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Edited

JPL-20140115-mRocket-0001 **G-FOLD Diversion Test**

Date : 1/15/14 Duration : 00:03:05;00

G-FOLD (Fuel-Optimal Large Divert Guidance Algorithm) is described by Kyle Nyberg, Masten Space Systems engineer. Using Masten's Xombie rocket, G-FOLD demos real-time, in-flight, onboard calculation of a divert to a landing site 1/2 mile away form the one programmed into the rocket's computer when it was launched. The flight is documented by onboard cameras and cameras on the ground.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140115-mVKLect-0001 **vK Lecture Series-"The Mars Exploration Rovers: A Decade of Discovery"**

Date : 1/15/14 Duration : 01:25:32;02

von Karman Lecture Series: "The Mars Exploration Rovers: A Decade of Discovery" (Opportunity-10 Years on Mars). Presented by Dr. John Callas, Project Manager, Mars Exploration Rover Project-JPL. Callas introduced panelists and discussed , How MER Rovers Affected Our Lives. Featured guest panelists: Dr. Charles Elachi, JPL Director discussed The Big Picture, Why We Explore and No Fear of Failure. Steve Squares, MER Principal Investigator discussed the Science Legacy. Members of the rover driving team: Ashley Stroupe, Technical Lead; Mike Seibert, Flight Director; Bill Nelson, Engineering Chief; Heather Justice, Rover Driver. Bill Nye, Planetary Society -Chief Executive Officer discussed The Cultural Legacy.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140117-mAIRS-0001 **NASA's AIRS Sees Polar Vortex Behind US Big Chill**

Date : 1/17/14 Duration : 00:02:21;13

Animation shows measurements of temperatures about 3,000 feet above the Earth's surface made by the Atmospheric Infrared Sounder Mission (AIRS) in Dec. 2013/Jan. 2014. Eric Fetzer, AIRS Project Scientist, describes how the Polar Vortex, a region of cold air that forms over the Arctic in winter, dipped down into the northern U.S. causing extremely low temperatures.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140121-mEarth-0001 **Earth Right Now Promo**

Date :	1/21/14	Duration :	00:01:38'04

Earth Right Now promo video to kick off the Earth Right Now Campaign. Includes stock footage, animations from GPM, SMAP, OCO-2, and RapidScat

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p 60	Type:	Edited

JPL-20140122-mEarth-0001 **Earth Right Now_2014 Campaign Kick_Off Promo**

Date :	1/22/14	Duration :	00:02:20;17

Launch; Environmental shots: glaciers; flood, drought, soil, farming, oceans; various spacecrafts: SMAP, OCO2, GPM, ISS-RapidScat

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	B-Roll

JPL-20140123-mMER-0001 **Mars News Briefing, Celebrating 10 Years Roving on Mars-11:00am PT**

Date :	1/23/14	Duration :	00:53:20;02

Moderator: Guy Webster, Media Relations Specialist-JPL. Panelists: Michael Meyer, Mars Exploration Program Lead Scientist, NASA Headquarters, Washington; Ray Arvidson, Mars Exploration Rovers Deputy Principal Investigator, Washington University in St. Louis, Mo.; John Callas, Mars Exploration Rovers Project Manager, NASA Jet Propulsion Laboratory, Pasadena, Calif.; Steve Squyres, Mars Exploration Rovers Principal Investigator, Cornell University, Ithaca, N.Y. Meyer and Squyres were are NASA Goddard Space Flight Center in Greenbelt, Maryland and Arvidson and Callas were at JPL.

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140130-mJPL-0001 **African American Heritage: Bill Allen**

Date :	1/30/14	Duration :	00:01:29;29

Profile of JPL Mechanical Design Engineer Bill Allen

Master :	DVCProH DLP	Submaster :	xSAN
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140201-mWhatsU-0001 **Whats Up February 2014**

Date :	2/1/14	Duration :	00:02:23;03

See all the planets plus mission updates from comet and asteroid missions Dawn and Rosetta.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140210-mCassin-0001 **Dance of Saturn's Auroras**

Date :	2/10/14	Duration :	00:01:24;11*

Images of auroras on both poles of Saturn caused by a blast of solar wind in April and May 2013. 1. An ultraviolet view from Hubble of a north pole aurora. 2. An ultraviolet view from Cassini's ultraviolet imaging spectrograph on May 20-21 of a north pole aurora. 3. An infrared view at Saturn's south pole from Cassini's visual and infrared mapping spectrometer on May 17.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140213-mVKLect-0001 **vKA Lecture: The History and Future of Space Communications (DSN)-1**

Date :	2/13/14	Duration :	01:17:33;28*

von Karman Lecture: The History and Future of Space Communications-Celebrating 50 Years of the NASA Deep Space. ;Marc Razze, Public Services Representative introduced Joseph Lazio, Chief Scientist of the Interplanetary Network Directorate outlined the highlights of the Deep Space Network's 50 years. On Dec. 24, 1963, a memo from William Pickering, JPL director at that time, announced that the Deep Space Network was established. Prior to this date, antennas had been built at the Goldstone site in the Mojave Desert, and overseas sites were being developed in Woomera, Australia, and in Johannesburg, South Africa. Pickering,Äôs action combined these disparate elements to create the first integrated global communications capability to deep space. Some things Lazio highlighted on were: Infrastructure to the DSN, Where are the Antennas today, Voyager has left the Solar System, 50 years of science progress, Plate Tectonics, Environmental movement leading to global awareness, Support of all Apollo missions, Asteroids, Comets, Beyond the Moon landing and more. Part 1 of 2.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p60	Type:	Live Multi Cam

JPL-20140214-mMSL-0001 **Curiosity on Mars: Rover's 5K Run**

Date :	2/14/14	Duration :	00:01:23;00*

Rover Planner Matt Heverly describes the Earth-based testing taking place to minimize wheel damage on Mars-based Curiosity. And to commemorate Curiosity's achievement of driving 5 km, members of the team and other JPLers ran a 5K race.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140218-mNuSTAR-0001 **Sloshing Star Goes Supernova**

Date :	2/18/14	Duration :	00:00:58;08

Computer simulation shows one of the ways that massive stars are thought to explode in supernovas and seed the universe with elements like gold and iron. New data from NASA's NuSTAR suggests that exploding stars slosh around before detonating. Narrated by Brian Grefenstette, Caltech. Animation: Christian Ott, Caltech.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Animation;Edited

JPL-20140218-pNuSTAR-0001 **NASA's NuSTAR Untangles Mystery of How Stars Explode-Video File**

Date :	2/18/14	Duration :	00:04:28;00*

NASA's Nuclear Spectroscopic Telescope Array (NuSTAR), a high-energy X-ray observatory, created the first-ever map of radioactive material in supernova remnant "Cassiopeia A." Animations: narrated simulation of a supernova; NuSTAR telescope in space. NuSTAR's map. X-ray views of elements making up the supernova remnant. Interviews: Fiona Harrison, NuSTAR Principal Investigator; Brian Grefenstette, Lead Author, NuSTAR Supernova Paper.

Master :	DVCProH DLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140219-mRadar-0001 **Radar Movie Highlights Asteroid 2006 DP14**

Date :	2/19/14	Duration :	00:01:02;05*

A sequence of radar images of Asteroid 2006 DP14 taken on Feb. 11, 2014, when the asteroid was about 2.6 million miles from Earth. The asteroid is approximately 1300 feet long and 660 feet wide. Followed by optical images from the Remanzacco Observatory.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Edited

JPL-20140225-mAstrds-0001 **Radar Movie Highlights Asteroid 2006 DP14**

Date :	2/25/14	Duration :	00:00:29;07

Radar data taken on Feb. 11, 2014, when asteroid 2006 DP 14 was about 2.6 million miles from

Earth. The asteroid is approx. 1,300 ft loon and 660 ft wide.

Master :	DVCProHD DLP	Submaster :	File
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20140228-mAIRS-0001 **NASA's AIRS Sees Atmospheric Rivers Bring Rain to Drought Stricken California**

Date :	2/28/14	Duration :	00:01:02;02

Animation shows the total amount of water vapor in Earth's atmosphere for most of February 2014. Two "atmospheric rivers" are apparent. The animation concludes with the "Pineapple Express" atmospheric river carrying moisture from around Hawaii to California.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Edited

JPL-20140301-mWhatsU-0001 **Whats Up March 2014**

Date :	3/1/14	Duration :	00:02:49;07*

Monthly series for amateur astronomers. Watch starlight get blocked by a passing asteroid, planets march across the sky and a lunar eclipse preview.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140313-mVKLect-0002 **von Karman Lecture: The Orbiting Carbon Observatory-2**

Date :	3/13/14	Duration :	00:15:45;02

Speaker Dr. David Crisp, Science Team Lear, OCO-2 continues with a question and answer session.

Master :	DVCProHD	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p60	Type:	Live Multi Cam

JPL-20140320-mStars-0001 **Studying Other Worlds with the Help of a Starshade**

Date :	3/20/14	Duration :	00:01:53;01*

Edited project. Animation shows the prototype Starshade, a giant structure designed to block the glare of stars so that future space telescopes can take pictures of planets. By imaging Earth-like planets, researchers can learn about their potential habitability. Followed by demonstration of Starshade development model in the Space assembly Facility (SAF).

Master :	DVCProHD	Submaster :	DVCProHD
Audio1 :	Mono	Audio2 :	Mono

Res :	720p59.94	Type:	Edited

JPL-20140401-DSN-0001 **DSN NASA Social**

Date :	4/1/14	Duration :	01:31:56;26

Live NASA TV/Ustream show highlighting the DSN on its 50th Anniversary. Wayne Sible, DSN Deputy Project Mgr.; Joseph Lazio, Chief Scientist for Interplanetary Network (JPL); Badri Younes, NASA's Deputy Associate Administrator for Space Communications and Navigation. Engineering Panel: Bobak Ferdowsi, Steve Collins, Ann Devereaux. Science Panel: Ashwin Vasavada, Marina Brozovic, Linda Spilker. DSN webpage: Doug Ellison. Host: Veronica McGregor.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p60	Type:	Live Multi Cam

JPL-20140401-DSN-0002 **DSN NASA Social**

Date :	4/1/14	Duration :	00:27:59;28

Live NASA TV/Ustream show highlighting the DSN on its 50th Anniversary. Badri Younes, NASA's Dep. Assoc. Admin for Space Communications and Navigation. Science Panel: Ashwin Vasavada, Marina Brozovic, Linda Spilker. Host: Veronica McGregor

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p60	Type:	Live Multi Cam

JPL-20140401-mWhatsU-0001 **Whats Up April 2014**

Date :	4/1/14	Duration :	00:03:28;07*

Monthly series for amateur astronomers. April features: Mars at opposition, a lunar eclipse and Lyrid meteor shower.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140410-mVKLect-0001 **VK Lecture-The JPL Technology Transfer Program**

Date :	4/10/14	Duration :	01:10:28;24*

Indrani Graczyk, Manager of JPL's Commercial Program Office, discusses the goal of the tech transfer program at JPL. ‚ÄãJPL is known for missions that greatly impact our understanding of the solar system and the universe. But the ground breaking research and development done at JPL has also had many impacts on everyday life on earth. JPL innovations can be found everywhere, from farms to hospitals to our very own homes. The goal of the Technology Transfer Program at JPL is to seek commercial applications for the inventions developed at the Laboratory. Successful technology transfer results in new products for all, and can result in new companies or even new industries. JPL's history is rich with such examples, and shows how the

space program can immensely benefit the quality of life for all mankind. ;

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140418-sOPALS-0001 **SpaceX-3/Dragon Launch to the ISS**

Date :	4/18/14	Duration :	00:25:48;00

Coverage of the SpaceX-3/Dragon Launch to the ISS from the Kennedy Space Center. Included in the payload of over 5,000 lbs of equipment carried by the Falcon 9 rocket to the ISS is a system called OPALS, which will test whether lasers can be used to carry data from space to Earth.

Master :	DVCPro50	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Satellite / Air Check

JPL-20140501-mGanymd-0001 **Jupiter's 'Club Sandwich' Moon**

Date :	5/1/14	Duration :	00:00:51;19*

Animation shows a cutaway view of Ganymede, the largest moon in our solar system, which is thought to host an enormous ocean beneath its icy crust. A new model suggests the moon may have oceans and ice stacked up in multiple layers like a club sandwich.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Edited

JPL-20140501-mGanymd-0001 **Jupiter's 'Club Sandwich' Moon**

Date : 5/1/14 Duration : 00:00:51;19*

Animation shows a cutaway view of Ganymede, the largest moon in our solar system, which is thought to host an enormous ocean beneath its icy crust. A new model suggests the moon may have oceans and ice stacked up in multiple layers like a club sandwich.

Master : DVCProHDLP Submaster : DVCProHDLP

Audio1 : Silent Audio2 : Silent

Res : 720p59.94 Type: Edited

JPL-20140501-mWhatsU-0001 **Whats Up May 2014**

Date :	5/1/14	Duration :	00:02:42;09

Monthly series for amateur astronomers. May features: great views of Saturn and Mars and a possible new meteor shower.

Master :	File	Submaster :	DVCProHDL

			P
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140508-mGRACE-0001 **NASA Mission Detects Significant Antarctic Ice Mass Loss-Video File**

Date :	5/8/14	Duration :	00:05:43;22

Scientists have conducted the first-ever gravity survey of the entire Antarctic ice sheet using data from the joint NASA/German Aerospace Center Gravity Recovery and Climate Experiment (GRACE). This comprehensive study found the ice sheet's mass has decreased significantly for 2002 to 2005.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140509-mAntarc-0001 **West Antarctica Glacier Loss Appears Unstoppable**

Date :	5/9/14	Duration :	00:10:17;08*

Researchers at the University of California, Irvine, and JPL find that a rapidly melting section of the West Antarctic Ice Sheet appears to be in an irreversible state of decline. Animations: ice sheet processes, retreat of the grounding line; Animated GIFs: Pine Island and Thwaites glaciers; B-roll of NASA's DC-8 aircraft operating during Operation IceBridge flyovers of Antarctica; Interview excerpts: Eric Rignot (ree-NYOH), Glaciologist, JPL/UC Irvine.

Master :	DVCProH D	Submaster :	DVCProHD
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140509-mAntarc2-0001 **Runaway Glaciers in West Antarctica**

Date :	5/9/14	Duration :	00:02:14;29*

Narrated animation that explains how the flow speed of glaciers draining into the Amundsen Sea in Western Antarctica has been increasing and why the retreat of ice in this part of Antarctica is unstoppable.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20140512-mAntarc-0001 **West Antarctic Glaciers: Past the Point of No Return**

Date :	5/12/14	Duration :	00:02:16:06

Eric Rignot, JPL Glaciologist. Glaciers emptying into the Amundsen Sea are the fastest melting in Antarctica. Together, they contain enough ice to raise the global sea level by almost four feet. If the glaciers sustain this rate of retreat they could disappear in one to two centuries.

Master :	DVCProH DLP	Submaster :	DVD
Audio1 :	Mono	Audio2 :	Mono

Res :	720p59.94	Type:	Edited

JPL-20140512-mOCO2-0001 **OCO-2 Trailer**

Date :	5/12/14	Duration :	00:02:05:06*

Trailer / promo for OCO-2. Voice over narration by Amber Jenkins. Stock footage and OCO-2 animations throughout.;CO-2, carbon dioxide, global coverage, earth, green house gasses. Smoggy cities, oil pumps, trees respirating.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20140515-mRapSct-0001 **What Has the Wind Done for You Lately**

Date :	5/15/14	Duration :	00:03:00;16

A description of how RapidScat will measure the Earth's winds from space. Animation shows RapidScat being attached to the International Space Station. Scatterometry and scatterometers are explained.

Master :	DVCProH D	Submaster :	File
Audio1 :	Stereo	Audio2 :	Stereo
Res :	720p59.94	Type:	Edited

JPL-20140522-mMRO-0009 **Mars Weathercam Helps Find Big New Crater**

Date :	5/22/14	Duration :	00:02:23;21*

The Mars Reconnaissance Orbiter (MRO) has discovered the biggest crater in the solar system that has been confirmed with before and after imaging. Daily global weather maps made by MARCI (Mars Color Imager) on MRO were compared to find that the crater was formed on March 28, 2012. HiRISE images show about a dozen smaller craters nearby and images of landslides possibly caused by a shock wave from the impact.

Master :	DVCProH D	Submaster :	DVCProHD
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140522-mVKLect-0001 **vKA Lecture: "The Past, Present and Future of Propulsion at the Jet Propulsion Laboratory"**

Date :	5/22/13	Duration :	01:34:56;15

Putting the ‚ÄòP‚Äô in JPL: The Past, Present and Future of Propulsion at the Jet Propulsion Laboratory. Marc Razze, Public Services Representative introduced presenter Todd Barber, JPL's Cassini lead propulsion engineer. Todd talks about the history of propulsion used in early rocketry and planetary spacecraft through the decades at JPL. Closed Captioned.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi

Cam

JPL-20140527-mLDSD-0001 **LDSD Media Reel**

Date :	5/27/14	Duration :	00:13:10;15*

1. Time-lapse footage of one type of LDSD decelerator system; Supersonic Inflatable Aerodynamic Decelerator (SIAD) installed and inflated in clean room at NASA's Jet Propulsion Laboratory, Pasadena, California-trt: 1:00 Min. 2. SIAD sled test at the U.S. Navel Weapons Station at China Lake, California-trt 1:07 Min. 3. Parachute sled test at the U.S. Navel Weapons Station at China Lake, California-trt 3:17 Min. 4. Test Flight computer visualization-trt: 55 seconds 5. Interview Sound Bites: 4 subjects (Mark Adler, LDSD Project Manager-JPL; Michael Gazarik, NASA Associate Administrator of the Space Technology Mission-NASA HQ; Ian Clark, LDSD Principal Investigator-JPL; Robert Manning, Chief Engineer for LDSD Project-JPL-trt: 6:14 Min.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Stereo	Audio2 :	Stereo
Res :	720p59.94	Type:	Edited

JPL-20140602-mLDSD-0001 **LDSD L-1 Press Briefing**

Date :	6/2/14	Duration :	00:38:45:15*

Recorded in the U.S. Navel Pacific Missile Range Facility's hanger located in Kaui, Hawaii. Introduction: Captain Bruce W. Hay, Jr. USN Commanding Officer of The Pacific Missile Range Facility. Moderator: Dave Steitz, NASA Headquarters-Office of Communications. Panelists: Dr. Michael Gazarik, Associate Administrator of Space Technology Directorate-NASA discussed technology, future missions, evolvable Mars Campaign and the areas they invest in. Ian Clark, Principal Investigator-LDSD, JPL discussed an overview why they are there, examples of parachute testing, JPL SAID, supersonic parachute including video footage of testing. Mark Adler, Project Manager-LDSD, JPL discussed what are we doing in Hawaii for the testing, Hawaii nicknames and showed a video of steps of the test.

Master :	DVCProLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140602-mWhatsU-0001 **Whats Up June 2014**

Date :	6/1/14	Duration :	00:02:39;10*

Monthly series for amateur astronomers. June features: moon and planet pairings (Mercury, Jupiter, Saturn) at dawn and dusk, spot Mercury, comet Siding Spring.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140605-sOPALS-0001 **OPALS Flyover Animation**

Date :	6/3/14	Duration :	00:00:59;28

Animation of OPALS explaining how it works with visuals including mountains and Table Mountain Observatory and the International Space Station (ISS).

Master :	DVCProH DLP	Submaster :	File
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Animation

JPL-20140609-mMSL-0001 **Mercury in Front of the Sun Seen from Mars**

Date :	6/9/14	Duration :	00:00:44;07*

Mercury is seen passing in front of the sun on June 3, 2014, as viewed from Mars. The Mast Camera on NASA's Curiosity rover recorded the event. Two sunspots, each about the diameter of Earth, also appear.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Edited

JPL-20140611-mAstrds-000 **Radar Observations of Asteroid 2014 HQ124**

Date :	6/8/11	Duration :	00:00:52;08*

Radar data of asteroid 2014 HQ124 taken over four hours on June 8, 2014, when the asteroid was between about 864,000 miles (1.39 million km) and 902,000 miles (1.45 million km) from Earth.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Edited

JPL-20140611-mOCO2-0001 **OCO-2 Video File**

Date :	6/11/14	Duration :	00:06:17:22*

Video File for OCO-2. Includes interviews with Ralph Basilio and Annmarie Eldering. Footage includes, OCO-2 animations, arrival at Vandenberg AFB, uncanning at Vandenberg, OCO-2 at Orbital facility clean room, and solar-induced fluorescence.

Master :	DVD	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	A-Roll;Animation;B-Roll

JPL-20140611-mOCO2-0001 **OCO-2 Mission Video**

Date :	6/11/14	Duration :	00:03:12;08

OCO-2 Mission overview video. Interviews with Ralph Basilio, Annmarie Eldering, Mike Gunson, Dave Crisp, and PJ Guske. B-roll of carbon sinks and sources. Long version is 4 mins and designated for the OCO-2 web page. The Short version is 3 minutes and designated for the JPL

page and JPL youtube page.

Master :	DVCProHD DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited;Interview;Live 1 Cam

JPL-20140611-mOCO2-0001 **OCO-2 Mission Video**

Date : 6/11/14 Duration : 00:04:13;21

OCO-2 Mission overview video. Interviews with Ralph Basilio, Annmarie Eldering, Mike Gunson, Dave Crisp, and PJ Guske. B-roll of carbon sinks and sources. Long version is 4 mins and designated for the OCO-2 web page. The Short version is 3 minutes and designated for the JPL page and JPL youtube page. ;OCO-2 will give global coverage of carbon dioxide measurments in the atmosphere. Will also be able to tell when plants are respirating (growing) - solar-induced flourescence

Master :	DVCProHD DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited;Interview;Live 1 Cam

JPL-20140612-mOCO-0001 **OCO-2 Pre-Launch Media Briefing_NASA's New Carbon Counting Mission**

Date : 6/12/14 Duration : 00:47:48;02

OCO-2 Pre-Launch Media Briefing from NASA HQ. Intro: Steve Cole, NASA Office of Communications. Panelists: 1. Betsy Edwards, OCO-2 Program Executive Science Mission Directorate-NASA HQ discussed studying the Earth as a system. 2. Ralph Basilio, OCO-2 Project Manager at JPL. Basilio discussed what the team has been doing with designs and documents, operations thru launch 3. Mike Gunson, OCO-2 Project Scientist at JPL. Gunson discussed why the mission is urgent as it is important. 4. Ann Marie Eldering, OCO-2 Deputy Project Scientist at JPL. Eldering discussed how are we going to do this with OCO-2, Demo of measurement with black beans. Eldering also discussed how the instruments operate and how it takes precise measurements.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live 1 Cam;Sat / Air Chk

JPL-20140619-mHQ-0001 **NASA Asteroid Update**

Date : 6/19/14 Duration : 01:03:46:00

Moderator: Trent Perrotto, NASA Office of Communications; Michele Gates, Prog. Dir., NASA's Asteroid Redirect Mission (ARM); Lindley Johnson, Prog. Exec., NASA's Near-Earth Object Program (NEO); Paul Chodas, Prog. Scientist, NEO; David Tholen, Astronomer, U. of Hawaii;

Marco Micheli, Research Asst., U. of Hawaii; David Trilling, Northern Ariz. U.; Michael Mommert, Northern Ariz. U.; Jason Kessler-Program Executive, NASA's Asteroid Grand Challenge. Questions and Answer Session.

Master :	DVCPro HD	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140619-mHQ-0002 **NASA Asteroid Update**

Date : 6/19/14 Duration : 00:26:03:25

Questions and Answers continued. Trent Perotto, NASA Office of Communication moderates. Phone line questions from the Media: AP, MSNBC, Nature and Ruters; Social Media Questions- Jason Townsend, NASA HQ Social Media Team.

Master :	DVCPro HD	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam;Sat / Air Chk

JPL-20140619-mVKLect-0001 **von Karman Lecture: Europa-Challenges of Exploring a Cold, Distant World**

Date : 6/19/14 Duration : 01:23:31;18

Kevin Hand, deputy chief scientist for solar system exploration, discusses Jupiter's moon Europa and highlights an underwater robot design for the exploration of the icy moon.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140626-m2020-0001 **Mars 2020 Draft Environmental Impact Statement Virtual Public Meeting**

Date : 6/26/14 Duration : 01:03:00;05

Mars 2020 Draft Environmental Impact Statement Virtual Public Meeting using Adobe Connect between NASA HQS and JPL. Mars 2020 NASA NEPA team held a public meeting on June 26, 2014, to accept comments on the Mars 2020 DEIS. The Adobe Connect system is a tool which includes a live moderator/facilitator, live video links showing the presenter(s), the ability to show presentation slides and images, a list of attendees (who can be required to pre-register or not), a comment box, a closed captioning system (to be provided for the Mars 2020 meeting at a separate Web address), and the ability to record both the video and audio and produce a written transcript of the event (thus providing a complete administrative record).

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi

Cam

JPL-20140626-m2020-0002 **Mars 2020 Draft Environmental Impact Statement Virtual Public Meeting**

Date :	6/26/14	Duration :	00:40:00;05

Mars 2020 Draft Environmental Impact Statement Virtual Public Meeting using Adobe Connect between NASA HQS and JPL. Concluding summary of Mars mission concept and goes to questions and answer session.;

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140626-mMSL-0001 **Curiosity Team Women VF**

Date :	6/26/14	Duration :	00:04:35:11

Video File of Mars Curiosity team working in Mars Science Laboratory Surface Mission Support area at NASA's Jet Propulsion Lab, June 26, 2014.;Interviews with: Mallory Lefland, Curiostiy Tactical Downlink Lead, Nicole Spanovich and Science Operations Team Chief

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p60	Type:	A-Roll;B-Roll

JPL-20140628-mLDSD-0001 **Engineering Test of NASA's Low_Density Supersonic Decelerator**

Date :	6/28/14	Duration :	01:03:47;00

Commentary during engineering test of NASA's Low-Density Supersonic Decelerator (LDSD) from the U.S. Navy's Pacific Missile Range Facility on Kauai, Hawaii. Includes activities in control room and live coverage from onboard cameras. Voice-over commentary from JPL by Gay Yee Hill, JPL Media Relations, and Dan Coatta, JPL Mechanical Engineer. Launch is at 8:47:45 Hawaii Standard Time. This tape covers the first 22 minutes of flight.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140628-mLDSD-0002 **Engineering Test of NASA's Low_Density Supersonic Decelerator**

Date :	6/28/14	Duration :	00:31:04;00

Commentary during engineering test of NASA's Low-Density Supersonic Decelerator (LDSD) from the U.S. Navy's Pacific Missile Range Facility on Kauai, Hawaii. Includes activities in control room and live coverage from onboard cameras. Voice-over commentary from JPL by Gay Yee Hill, JPL Media Relations, and Dan Coatta, JPL Mechanical Engineer. This tape covers

flight to 56,200 feet.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140628-mLDSD-0003 **Engineering Test of NASA's Low_Density Supersonic Decelerator**

Date : 6/28/14 Duration : 00:56:22;00

Commentary during engineering test of NASA's Low-Density Supersonic Decelerator (LDSD) from the U.S. Navy's Pacific Missile Range Facility on Kauai, Hawaii. Includes activities in control room and live coverage from onboard cameras. Voice-over commentary from JPL by Gay Yee Hill, JPL Media Relations, and Dan Coatta, JPL Mechanical Engineer. This tape begins at 102,400 feet. Includes release and SIAD (Supersonic Inflatable Aerodynamic Decelerator) test.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140701-mOCO2-0001 **OCO-2 Post-launch News Conference**

Date : 7/1/14 Duration : 00:22:38;22*

Post launch press conference with George Diller, NASA Public Affairs, Ralph Basilio, OCO2 Project Manager, JPL, Mike Miller, Orbital Sciences Space Systems Group, Geoff Yoder, Science Mission Directorate, NASA Headquarters.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140701-mWhatsU-0001 **Whats Up July 2014**

Date : 7/1/14 Duration : 00:02:38;10

Monthly series for amateur astronomers. July features: spot Venus, Mercury and Pluto, see Ceres and Vesta and the Milky Way.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0001 **LDSD Test Vehicle Returns**

Date : 6/29/14 Duration : 00:01:15;04*

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was

recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0002 **LDSD Test Vehicle Returns**

Date : 6/29/14 Duration : 00:01:15;04*

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0003 **LDSD Test Vehicle Returns**

Date : 6/29/14 Duration : 00:01:15;04*

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0004 **LDSD Test Vehicle Returns**

Date : 6/29/14 Duration : 00:01:15;04*

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0005 **LDSD Test Vehicle Returns**

Date :	6/29/14	Duration :	00:01:15;05

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0006 **LDSD Test Vehicle Returns**

Date :	6/29/14	Duration :	00:01:15;04*

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0007 **LDSD Test Vehicle Returns**

Date :	6/29/14	Duration :	00:01:15;04*

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0008 **LDSD Test Vehicle Returns**

Date :	6/29/14	Duration :	00:01:15;05

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mLDSD-0009 **LDSD Test Vehicle Returns**

Date :	6/29/14	Duration :	00:01:15;05

NASA's saucer-shaped test vehicle, the Low-Density Supersonic Decelerator (LDSD) was recovered from the ocean and returned to Port Allen, Kauai, on June 29, 2014. Includes footage of the test vehicle on the recovery vessel and comments from Ian Clark, LDSD Principal Investigator, and Mark Adler, LDSD Project Manager.

Master :	DVCProHDLP	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140702-mOCO-0001 **OCO_2 Delta II Coast Phase Launch Coverage**

Date :	7/2/14	Duration :	00:17:29;23

Delta Launch control during the OCO-2/Delta II Coast Phase. Live voice of Steve Agid, Flight Commentor. Video on board the spacecraft. Shots of clapping, hand shakes and hugs.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam;Sat / Air Chk

JPL-20140702-mOCO-0001 **Delta II Launch of OCO_2 Spacecraft**

Date :	7/2/14	Duration :	00:41:38;02*

Pre-launch through launch. On-air coverage paused after this and resumed at 3:45 a.m. for satellite release (on part 2).

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Sat / Air Chk

JPL-20140702-mOCO-0002 **Launch of Orbiting Carbon Observatory-2 (OCO-2)**

Date :	7/2/14	Duration :	00:17:29;23

NASA coverage of the Launch, end of Coast Phase and release of the Orbiting Carbon Observatory-2 (OCO-2) from Vandenberg Air Force Base on July 2, 2014. Launch is at 02:56:25. Timecode breaks at 03:11:24 and jumps to 03:44:38. Release of satellite is at 03:52:42 on part 2. Animation from 02:58:26 (shortly after separation) until 03:46:22. Live images return just before release of satellite. (Part 2 of 2)

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Sat / Air Chk

JPL-20140708-mLDSD-0001 **Briefing:_NASA's_Flying_Saucer_Test**

Date :	7/8/14	Duration :	00:33:03;02

Press briefing about the 6/28/14 Kauai, Hawaii, test of the Low-Density Supersonic Decelerator (LDSD). Jeff Sheehy ("SHEE-high"), Sr. Technologist, Space Technology Mission Directorate, NASA HQ; Mark Adler, Project Mgr., LDSD, JPL; Ian Clark, Principal Investigator, LDSD, JPL. Moderator: Jane Platt, JPL Media Relations.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140715-mMSL-0022 **Flash from Curiosity Rover's Laser Hitting a Martian Rock**

Date :	7/15/14	Duration :	00:01:07;01

Final approved version

Master :	DVCProH DLP	Submaster :	File
Audio1 :	SILENT	Audio2 :	SILENT
Res :	720p59.94	Type:	Edited

JPL-20140717-mVKLect-0001 **Revealing Saturn: Cassini's Tenth Year**

Date :	7/17/14	Duration :	01:16:18;03*

The von Karman Lecture Series 2014. Marc Razze, JPL's Public Services Representative introduced speaker Dr. Linda Spilker, Cassini Project Scientist. Spilker presented highlights from 10 years of Cassini's ambitious inquiry at Saturn.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140717-mVKLect-0001 **Revealing Saturn: Cassini's Tenth Year**

Date :	7/17/14	Duration :	01:03:46;00

The von Karman Lecture Series 2014. Marc Razze, JPL's Public Services Representative introduced speaker Dr. Linda Spilker, Cassini Project Scientist. Spilker presented highlights from 10 years of Cassini's ambitious inquiry at Saturn.

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140717-mVKLect-0002 **Revealing Saturn: Cassini's Tenth Year**

Date :	7/17/14	Duration :	00:14:16;00

The von Karman Lecture Series 2014. Continuation of the questions and answer session.

Master :	DVCPro HD-	Submaster :	File

	LP		
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140718-mHQ-0001 **America's Next Giant Leap: A Conversation with Morgan Freeman**

Date :	7/18/14	Duration :	00:52:30;04

Gay Yee Hill, JPL Media Relations moderated conversations with Lori McCreary, CEO of Revelations Entertainment/Exec Producer of the TV Science Series Through the Wormhole; Morgan Freeman, Actor/Director/Producer; James Younger, Exec. VP Factual Productions at Revelations Entertainment. Commemorating 45 years ago on 7-20-1969 the Apollo 11 crew landed on the Moon. They looked back at the Giant Leap and discussed going forward at the next Giant Leap, like sending astronauts to Mars. Freeman talked about his experiences of presenting science to the general public and his personal vision for space.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140723-mGRACE-0001 **Parched West Is Using Up Underground Water (VF)**

Date :	7/23/14	Duration :	00:04:04;00

,Ä¢ Still images of Lake Mead waterline, or ‚Äúbathtub ring‚Äù;,Ä¢ Time-lapse footage of Hoover Dam;,Ä¢ Still images of parched ground ;,Ä¢ Map of Colorado River Basin ;,Ä¢ Animation of NASA's GRACE satellite mission;,Ä¢ Jay Famiglietti, JPL Senior Water Scientist

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140723-mJPL-0001 **Astronaut Mike Hopkins Talk**

Date :	7/23/14	Duration :	00:56:14:20

Single-camera coverage as Astronaut Mike Hopkins discusses his initial mission aboard the International Space Station. Hopkins launched from the Baikonur Cosmodrome in Kazakhstan on September 25, 2013, and returned to Earth after 166 days in space on March 10, 2014. The crew completed 2,656 orbits of Earth and traveled more than 70 million miles. Hopkins crewmates at launch were cosmonauts Oleg Kotov and Sergey Ryazanskiy. JPL's Stephen Kulczycki introduces Hopkins.

Master :	DVCPro HD	Submaster :	File
Audio1 :	Mono	Audio2 :	SILENT
Res :	720p59.94	Type:	Live 1 Cam

JPL-20140728-sHersch-0001 **Herschel Animation**

Date :	7/28/14	Duration :	00:00:57;03

Three animated views of ESA's Herschel Space Observatory in space. Poor quality, derived from standard definition original.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20140731-mMars-0001 **Mars 2020 Rover_Studying the Red Planet as Never Before**

Date :	7/31/14	Duration :	00:52:06;22*

From NASA HQ - Taped off NASA TV - Dwayne Brown, NASA Office of Communications, hosts a panel discussion on the 2020 Mars Rover. Participants at NASA Headquarters are: John Grunsfeld, Bill Gerstenmaier, Michael Meyer and Ellen Stofan. The instruments that will be carried aboard JPL,Äôs Mars 2020 mission are announced.;

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Sat / Air Chk

JPL-20140801-mWhatsU-0001 **Whats Up August 2014**

Date :	7/1/14	Duration :	00:02:38;10

Monthly series for amateur astronomers. August features: Mars and Saturn at sunset and Venus and Jupiter before dawn. Perseid meteor shower. Andromeda galaxy.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140805-mMSL-0000 **NASA's Curiosity Rover Celebrates Two Years on Mars VF**

Date :	8/5/14	Duration :	00:03:38;10

,Ä¢ Map with animated traverse line showing where Curiosity has traveled over the last two years;,Ä¢ Panorama of the landscape surrounding Curiosity on the way to Mt. Sharp ;,Ä¢ Map showing sandy Martian valleys that Curiosity will cross;,Ä¢ Timelapse of Curiosity driving, from the rover,Äôs hazard cameras

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140805-mMSL-0001 **NASA's Curiosity Rover Celebrates Two Years on Mars VF**

Date :	8/5/14	Duration :	00:03:38;10

,Ä¢ Map with animated traverse line showing where Curiosity has traveled over the last two years;,Ä¢ Panorama of the landscape surrounding Curiosity on the way to Mt. Sharp ;,Ä¢ Map

showing sandy Martian valleys that Curiosity will cross;,Ä¢ Timelapse of Curiosity driving, from the rover,Äôs hazard cameras

Master :	DVCPro HD-LP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20140806-mLDSD-0001 **Hi-Rez Imagery from NASA,Äôs LDSD Project (VF)**

Date :	8/6/14	Duration :	00:04:07;07*

Hi-Rez Imagery from NASA,Äôs Low-Density Supersonic Decelerator (LDSD) Project.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited;B-Roll

JPL-20140807-mLDSD-0001 **Media Reel of Early Results of LDSD "Saucer" Test**

Date :	8/7/14	Duration :	00:04:02;00

Balloon Preparations, Balloon Launch, Rocket Motor Spin-Up, Rocket Fire, Rocket Motor Spin Down, SAID Deploy, Ballute and Parachute Deploy.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20140813-mTech-0001 **Origami Solar Array Prototype**

Date :	8/13/14	Duration :	00:00:32;05

Researchers unfold a prototype of a solar array that uses origami principles for deployment. Brian Trease at NASA,Äôs Jet Propulsion Laboratory says this kind of technology could one day be used for space solar power applications.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Edited

JPL-20140813-sEarth-0001 **Earth Globe with animated dimensional clouds**

Date :	8/13/14	Duration :	00:01:10:25

Time-lapse clouds, as from a weather satellite, are seen on a globe of Earth. The clouds have been volumized and given shadows to exaggerate their height above Earth's surface.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	Animation

JPL-20140814-mVKLect-0001 **Von Karman Lecture: Curiosity,Äôs Second Year: The Epic and Occasionally Bogus Journey to the Foothills of Mt. Sharp**

Date :	8/14/14	Duration :	01:30:06:17

Mandy Branm, Public Services Representative introduced Deputy Project Scientist Ashwin Vasavada. Ashwin gives a talk on the Curiosity Rover's Second year on Mars and gives a glimpse into what future explorations the six-wheeled robotic vehicle may attempt.;

Master :	DVCProHD	Submaster :	DVD
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20140825-mNewHor-0001 **NASA Science Briefing New Horizons Pluto Mission**

Date :	8/25/14	Duration :	00:45:39:16

Aircheck from NASA HQ Science Briefing "New Horizons Pluto Mission: Continuing Voyager's Legacy of Exploration." Host Dwayne Brown moderates the panel, which includes Jim Green, NASA Planetary Division Manager; Ed Stone, Voyager Project Scientist; and Alan Stern, New Horizon Principal Investigator from the Southwest Research Institute.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Sat / Air Chk

JPL-20140825-mVoyage-0001 **NASA Science Briefing The Voyager Mission Experience**

Date :	8/25/14	Duration :	00:57:36:29

Aircheck from NASA-TV from HQ of the NASA Science Briefing "The Voyager Mission Experience: Memories from the Team." Dwayne Brown, Office of Communications, introduces moderator David Grinspooon of the Planetary Science Institute in Tucson, Arizona. Panelists include John Spencer, Southwest Research Institute; Fran Bagenal, University of Colorado; Jeff Moore, Ames Research Center; and JPL's Bonnie Buratti.

Master :	DVCProHD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Sat / Air Chk

JPL-20140827-mRapSct-0001 **RapidScat Trailer**

Date :	8/27/14	Duration :	00:01:36;08

Trailer for RapidScat Mission. Part of Earth Right Now campaign. No dialogue or voice over. Set to music by Moby. Includes shots of ISS, Earth Science Mission control, Space X launch, Space X Dragon, RapidScat spinning in clean room at JPL.

Master :	File	Submaster :	
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	1080p30	Type:	Film Transfer

JPL-20140901-mWhatsU-0001 **Whats Up September 2014**

Date : 9/1/14 Duration : 00:02:35;00

Monthly series for amateur astronomers. September features: Mars passes the red star Antares. Use the moon to find Jupiter, and use Jupiter to look for the Zodiacal Light.

Master : File Submaster : DVCProHDLP

Audio1 : Mono Audio2 : Mono

Res : 720p59.94 Type: Edited

JPL-20140908-mHQ-0001 **Studying Earth from the ISS**

Date : 9/8/14 Duration : 00:48:22;20

Discussion of current and future instruments used to study Earth from the International Space Station. With Steve Cole, NASA Office of Communications; Julie Robinson, ISS Program Scientist, JSC; Steve Volz, Associate Director, Flight Programs, Earth Science Division; Melanie Miller, Robotic Officer, JSC: Ernesto Rodriguez, ISS-RapidScat Principal Investigator, JPL; Matt McGill, CATS P.I., Goddard.

Master : DVCProHDLP Submaster : File

Audio1 : Mono mix Audio2 : Mono mix

Res : 720p59.94 Type: Sat / Air Chk

JPL-20140908-mRapSct-0001 **RapidScat Mission Video**

Date : 9/8/14 Duration : 00:03:37;08

RapidScat mission overview. Interviews with Howard Eisen, Stacey Bolan, Julia Stalder, and John Wirth. Footage includes clean room build up and testing, stock footage of hurricanes and ocean winds as well as ISS installation.;RapidScat is an instrument installed on the ISS to measure ocean winds.

Master : File Submaster :

Audio1 : Mono mix Audio2 : Mono mix

Res : 1080p30 Type: Edited

JPL-20140911-mVKLect-0001 **VK Lecture: Studying soil moisture from space**

Date : 9/11/14 Duration : 01:01:29;28*

Sam Thurman gives a presentation on NASA's Soil Moisture Active Passive mission, or SMAP; a remote sensing mission designed to measure and map Earth's soil moisture distribution and freeze/thaw state with unprecedented accuracy, resolution, and coverage. Using a single satellite launched into a near-polar, low altitude orbit, SMAP's state-of-the-art radar and radiometer sensors are able to peer beneath clouds, vegetation, and other surface features to create global maps of these measurements every 2-3 days over a period of three years. Data from SMAP will be used in an extraordinary variety of important scientific applications and research, addressing weather forecasting and climate modeling, drought, flood and landslide predictions, agricultural productivity, and seasonal climate-related human health issues.

Master : DVCProH Submaster : File

		DLP		
	Audio1 :	Mono mix	Audio2 :	Mono mix
	Res :	720p59.94	Type:	Live Multi Cam

JPL-20141001-mWhatsU-0001 **Whats Up October 2014**

Date :	11/6/14	Duration :	00:02:29;12*

Monthly series for amateur astronomers. Total lunar eclipse, partial solar eclipse, Mars and Comet Siding Spring.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Edited

JPL-20141009-mVKLect-0001 **VK Lecture: Rosetta-A lesson on comets, the solar system and Earth-1**

Date :	10/9/14	Duration :	01:26:07;02*

Many scientists today believe that comets crashed into Earth in its formative period, spewing organic molecules there were crucial to the growth of life. The Rosetta spacecraft will drop a lander to a comet surface to study its composition. JPL‚Äôs Art Chmielewski and Claudia Alexander, the Rosetta mission's U.S. project manager and project scientist, respectively, speak about the Rosetta Mission.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20141013-mSocial-0001 **Comet NASA Social**

Date :	10/13/14	Duration :	02:00:47;24

NASA Social (presentations and Q&A) held in Building 230 to explain Comet Siding Spring's close approach to Mars on Oct. 19, 2014, and the Rosetta mission's attempt to land on Comet 67P/Churyumov-Gerasimenko. Stephanie L. Smith, JPL Social Media; Don Yeomans, NEO Program Office Manager; Rich Zurek, Mars Program Chief Scientist & MAVEN Scientist; Rob Lock, Mars Orbiter Studies Lead; Chad Edwards, Mars Chief Telecommunications Engineer; Sarah Milkovich, MRO HiRISE Scientist; Jeff Plaut, Mars Odyssey Scientist; Matt Golombek, MER Project Scientist; Ashwin Vasavada, MSL Deputy Project Scientist; Art Chmeilewski, Rosetta US Project Manager; Claudia Alexander, Rosetta US Project Scientist; Sam Gulkis, Rosetta MIRO PI; Paul Weissman, Rosetta Scientist.

Master :	DVCProHDLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Live Multi Cam

JPL-20141018-mCassin-0001 **Cassini Bistatic - Exploring Titan with Radio Waves**

Date :	10/18/14	Duration :	00:02:32:00

Learn how the Cassini spacecraft uses radio waves to peer beneath the haze on Saturn's moon Titan to investigate its many mysteries.

Master :	DVCProHD DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	1080p30	Type:	Edited

JPL-20141022-sRapSct-0001 **ISS-RapidScat in Operation**

Date :	10/22/14	Duration :	00:11:27;27

RapidScat in operation on International Space Station on October 22, 2014

Master :	DVCProHD DLP	Submaster :	File
Audio1 :	Silent	Audio2 :	Silent
Res :	720p59.94	Type:	B-Roll;Sat / Air Chk

JPL-20141105-mWhatsU-0001 **Whats Up November 2014**

Date :	11/5/14	Duration :	00:02:37;07*

Monthly series for amateur astronomers. November features: Rosetta mission to comet 67P/Churyumov-Gerasimenko, the Taurid and Leonid meteor showers, historical meteor shower commentary.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	B-Roll

JPL-20141106-mVKLect-0001 **Von Karman Lecture: Asteroid Redirect Robotic Mission-1**

Date :	11/6/14	Duration :	01:01:59;08*

Brian Muirhead gives a talk on the Asteroid Redirect Robotic Mission concept which seeks to rendezvous with, capture, and redirect to translunar space an entire small near-Earth asteroid. This talk addresses the key aspects of the concept and the options studied to assess its technical feasibility. Includes several animations on the mission. Introduced by Marc Razze.

Master :	DVCProHD DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20141112-mRoseta-0001 **Rosetta NASA Commentary**

Date :	11/12/14	Duration :	01:04:25;21*

Live coverage of ESA's Rosetta mission Philae lander touching down on comet 67P/Churyumov-Gerasimenko--The first-ever soft landing on a comet. Hosted by Gay Yee Hill, her guests included Don Yeomans, Matt Taylor, Jim Green, Claudia Alexander and Art Chmielewski. The program switched to ESA coverage with Thomas Reiter, Jean-Jacques Dordain, Mauro Dell'Ambrogio, Stephen Ulamed, Andrea Accomazzo, Kim Churymov, Svetlana Gerasimenko and Roel Gathier commenting on the mission.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20141120-mEuropa-0001 **Extreme Shrimp May Hold Clues to Alien Life**

Date :	11/20/14	Duration :	00:02:14;29

This extreme oasis of life deep in the Caribbean Sea may hold clues to life on other planetary bodies, including Jupiter's moon Europa. Narrated by Max Coleman, Senior Research Scientist, Jet Propulsion Laboratory.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Stereo Mix	Audio2 :	Stereo mix
Res :	720p59.94	Type:	Edited

JPL-20141201-mWhatsU-0001 **Whats Up December 2014**

Date :	12/1/14	Duration :	00:02:32;10

Monthly series for amateur astronomers. December features: Geminid and Ursid meteor showers, locations of the moon, planets and comets Siding Spring and PanSTARRS.

Master :	File	Submaster :	DVCProHDLP
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20141204-mVKLect-0001 **VK Lecture:"NASA,Äôs Dawn Mission to the Asteroid Belt"**

Date :	12/4/14	Duration :	01:28:55;22

von Karman Lecture Series: Coming Soon to a Dwarf Planet in Your Solar System: NASA's Dawn Mission to the Asteroid Belt. Marc Rayman ,chief engineer and mission director of the Dawn Mission, presents a talk on the spacecraft and its two exotic destinations, the asteroids Ceres and Vesta. The talk also highlights the successful use of ion propulsion that is used aboard the spacecraft. He shares the excitement and profundity of controlling a robotic ambassador from Earth in deep space.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Live Multi Cam

JPL-20141205-mMSL-0001 **NASAs Curiosity Finds Clues to How Water Helped Shape Martian Landscape**

Date : 12/5/14 Duration : 00:05:56;01

Sediments deposited in large lakes that filled and dried repeatedly over tens of millions of years built the base of Mount Sharp, the Martian mountain that NASA's Curiosity rover is examining. This working interpretation implies that ancient Mars sustained a climate that could have produced long-lasting lakes at many locations. Curiosity has been studying layers at the foot of the mountain. The rocks bear witness to a series of lakes much larger and longer-lasting than any previously confirmed by close-up investigation on Mars.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Stereo Mix	Audio2 :	Stereo mix
Res :	720p59.94	Type:	Edited

JPL-20141208-mMSL-0001 **Curiosity on Mars: The Making of Mount Sharp**

Date : 12/8/14 Duration : 00:02:17:06*

MSL Deputy Project Scientist Ashwin Vasavada describes the hypothesis that Gale Crater was once a lake and Mount Sharp was shaped by flowing water over millions of years.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20141209-mMRO-0001 **MRO Video File**

Date : 12/9/13 Duration : 00:03:23;03*

Edited B-roll:;1) Animated GIF of well-monitored site in Valles Marineris canyon on Mars. Dark features, possibly due to salty water, appear on both north- and south-facing walls. The flows are most active during the part of the year when the slope gets the most sunshine. 2) This video shows several dynamic processes on Mars, captured by the High Resolution Imaging Science Experiment (HiRISE) camera on NASA's Mars Reconnaissance Orbiter.¬† Some changes, such as avalanches, are caught while in motion. Others are shown in sequences of HiRISE images. The video also includes animation of a snaking whirlwind of dust based on information from a HiRISE image.

Master :	DVCProH D	Submaster :	File
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	720p59.94	Type:	Animation;B-Roll

JPL-20141211-mOCO2-0001 **Early Results from NASA‚Äôs Orbiting Carbon Observatory-2 Mission**

Date : 12/11/14 Duration : 00:03:51;25

‚ÄúEarly Results from NASA‚Äôs Orbiting Carbon Observatory-2 Mission" - Launch of OCO-2 on July 2, 2014, Global coverage animation, Carbon Dioxide Simulation from NASA GEOS-5

System, OCO-2 Target Measurement animation, OCO-2 Target Measurements of Carbon Dioxide over Pasadena, California. Solar Induced Chlorophyll Fluorescence (SIF) - background, Solar Induced Chlorophyll Fluorescence (SIF) - results.

Master :	DVD	Submaster :	File
Audio1 :	Mono	Audio2 :	Mono
Res :	720p59.94	Type:	Edited

JPL-20141215-mRoseta-0001 **12_Years_Through_Space**

Date :	12/15/14	Duration :	00:01:47:11

Diagrammatic animation of Rosetta's path through space from Earth to comet 67P/Churyumov-Gerasimenko. Significant points in the journey are labeled.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Silent	Audio2 :	Silent
Res :	1080i60	Type:	Animation

JPL-20141215-mVoyage-0001 **Voyager Experiences 3 Tsunami Waves in Interstellar Space**

Date :	12/15/14	Duration :	00:01:02;13

The plasma wave instrument on NASA's Voyager 1 spacecraft captured the sounds of dense plasma, or ionized gas, vibrating in interstellar space. A so-called "tsunami wave" occurs when the Sun emits a coronal mass ejection, throwing out a magnetic cloud of plasma from its surface. The instrument heard these vibrations three times: October to Novemeber 2012, April to May 2013, and February to November 2014 (latest data). The third wave still be going. The graphic shows the frequency of the waves, which indicates the density of the plasma. Colors correspond to the intensity of the waves, with red being the loudest and blue the weakest.

Master :	DVCProH DLP	Submaster :	File
Audio1 :	Stereo Mix	Audio2 :	Stereo mix
Res :	720p59.94	Type:	Edited

JPL-20141230-mSMAP-0001 **SMAP Trailer**

Date :	12/30/14	Duration :	00:01:21:03

Short trailer on SMAP mission, set to music, no dialogue or voice over. Stock footage of issues addressed by SMAP data - crop yiel, flood, drought, etc. Stock footage used throughout.;

Master :	File	Submaster :	
Audio1 :	Mono mix	Audio2 :	Mono mix
Res :	1080p30	Type:	Edited

JPL-20150101-mWhatsU-0001 **What's Up January 2015**

Date: 1/1/15 Duration: 00:02:44;25*

Monthly series for amateur astronomers. January features: Jupiter and its moons, historically and currently.

Master: File

Audio1: Mono Audio2: Mono

Res: 720p59.94 Type: Edited

JPL-20150107-mSMAP-0001 **SMAP Video File**

Date: 1/7/15 Duration: 00:12:30;29

Video File release in conjunction with the SMAP L-30 press briefing. Includes interviews with project manager Kent Kellogg and project scientist Eni Njoku. Also includes SMAP animations and b-roll of the buildup and testing of the SMAP spacecraft. Includes a still photo of drought and flooding.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Animation; B-Roll

JPL-20150108-mSMAP-0001 **SMAP L-30 Briefing**

Date: 1/8/15 Duration: 00:50:04;17

Soil Moisture Active Passive (SMAP) L-30 Briefing from NASA HQ taped off the air entitled, Mission to Track Water in Earth's Soil. With Christine Bonniksen, Kent Kellogg, Dara Entekhabi and Bran Doorn. Moderated by Steve Cole.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Live Multi Cam

JPL-20150114-mCassin-0001 **Approaching Titan a Billion Times Closer**

Date: 1/14/05 Duration: 00:03:23:28

Animated zoom-in from image of Titan and Saturn down to Titan's surface. Narrator: Dan Kruse.

Master: File

Audio1: Mono Audio2: Mono

Res: 720p59.94 Type: Edited

JPL-20150114-mNEOWISE-0001 **One Year of NEOWISE Observations Mapped**

Date: 1/14/15 Duration: 00:01:04;00

Data animation shows the progression of NASA's NEOWISE survey in the year after its Dec. 2013 restart. Dots represent asteroids and comets that the mission observed.

Master: File

Audio1: Silent Audio2: Silent

Res: 720p59.94 Type: Edited

JPL-20150114-mTech-0001 **VolcanoBot Explores Volcanic Fissure**

Date: 1/14/15 Duration: 00:03:32;28*

B-roll for media: Researchers from NASA's Jet Propulsion Laboratory took a robot called ,"VolcanoBot 1," to a fissure at the active Kilauea Volcano in Hawaii in May 2014.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Edited

JPL-20150114-mTech-0002 **VolcanoBot Explores Volcanic Fissure**

Date: 1/14/15 Duration: 00:03:32;28

B-roll for media: Researchers from NASA,'s Jet Propulsion Laboratory took a robot called ,"VolcanoBot 1," to a fissure at the active Kilauea Volcano in Hawaii in May 2014.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Edited

JPL-20150115-mMRO-0001 **Found: MRO Locates Beagle 2 Lander**

Date: 1/15/15 Duration: 00:01:13'02

The UK-led Beagle 2 lander mission, presumed lost on Dec. 25, 2003, was located on the Martian surface using images from the Mars Reconnaissance Orbiter taken several months apart. Narrated by JPL Planetary Geologist Timothy Parker.

Master: File
Audio1: Mono Audio2: Mono
Res: 720p59.94 Type: Edited;Grfx / Still

JPL-20150115-mVKLect-0001 **The von Karman Lecture: Low Density Supersonic Decelerator**

Date: 1/15/15 Duration: 00:59:41;13

Presented by Mr. Mark Adler, LDSD Project Manager & Dr. Ian Clark, LDSD Principal Investigator. As NASA plans ambitious new robotic missions to Mars, the spacecraft needed to land safely on the red planet's surface necessarily becomes increasingly massive, hauling larger payloads to accommodate extended stays on the Martian surface. The heavier planetary landers of tomorrow, however, will require much larger drag devices than any now in use to slow them down -- and those next-generation drag devices will need to be deployed at higher supersonic speeds to safely land vehicle, crew and cargo. NASA's Low-Density Supersonic Decelerator, or LDSD, Technology Demonstration Mission, led by the Jet Propulsion Laboratory, has conducted full-scale, stratospheric tests of these breakthrough technologies high above Earth to prove their value for future missions to Mars. Introduced by Marc Razze.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Live Multi Cam

JPL-20150121-mTech-0001 **Crazy Engineering- Mars Helicopter**

Date: 1/21/15 Duration: 00:02:59;11

Michael Meacham, JPL Mechanical Engineer, interview Bob Balaram, Chief Engineer, JPL Mobility and Robotics Systems, about the Mars Helicopter technology being developed for future Mars rover missions.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 720p59.94 Type: Edited

JPL-20150122-mMER-0001 **11 Years and Counting Opportunity on Mars**

Date: 1/22/15 Duration: 00:01:37;08

Stills illustrate the many unique areas that the Mars Exploration Rover Opportunity has traveled during its 11 year historic journey.

Master: File
Audio1: Mono Audio2: Mono
Res: 720p59.94 Type: Edited

JPL-20150126-mSMAP-0001 **Technical Origami**

Date:	1/26/15	Duration:	00:03:14;15

Three minute video on SMAP's reflector boom assembly, known as the RBA. Features Shawn Goodman and Wendy Edelstein from the SMAP project. Includes lots of shots of testing and models of SMAP including animation; Talks about the design and test challenges of building a 20ft rotating antenna and deploying it in space.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	1080p30	Type:	A-Roll; Animation

JPL-20150123-sSMAP-0001 **SMAP Vehicle Flow part 1**

Date:	1/23/15	Duration:	00:03:34'00

SMAP inside high bay at VAFB. Spacecraft being stacked and canned.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	B-Roll

JPL-20150127-mHQ1-0001 **ELaNa CubeSat Science Briefing**

Date:	1/27/15	Duration:	00:47:06;10

SMAP Launch Coverage. ELaNa CubeSat Science Briefing from Vandenberg Air Force Base. ;Panelists: Moderator-George Diller, NASA Communications-NASA Headquarters; Scott Higginbotham, NASA ELaNa-X Mission Manager; David Klumpar, Firebird-II Principal Investigator, Dir., Montana State University; John Bellardo, EXOCUBE Co-Principal Investigator, Cal Poly State University; David Rider, GRIFEX Principal Investigator-Jet Propulsion Laboratory

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Sat / Air Chk

JPL-20150127-mHQ2-0001 **SMAP Pre-Launch News Conference-1pm, PT**

Date:	1/27/15	Duration:	00:46:22;14

SMAP Launch Coverage. Pre-Launch News Conference from Vandenberg Air Force Base, California. 1:00 PM, PT. Discuss Launch activities, Flight of the Delta II rocket and what will happen to the SMAP spacecraft once it leaves the Delta II rocket.;Panelists: Moderator-George Diller, NASA Communications-NASA Headquarters; Christine Bonniksen, SMAP Program Executive-NASA Headquarters; Tim Dunn, NASA Launch Manager-Kennedy Space Center, Fla.; Vern Thorp, Program Manager, NASA Missions-United Launch Alliance, Sentinel, Colorado; Kent Kellogg, SMAP Project Manager-Jet Propulsion Laboratory; Dara Entekhabi, SMAP Science Team Leader-Massachusetts Institute of Technology in Cambridge; 1st Lt. John Martin, Launch Weather Officer, 30th Operations Support Squadron-Vandenberg Air Force Base.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Sat / Air Chk

JPL-20150128-mHQ-0001 **SMAP NASA Social 9:30 AM, PT**

Date: 1/28/15 Duration: 01:59:57;00*

SMAP Launch Coverage-NASA Social at 9:30 AM, PT from Vandenberg Air Force Base in California. A Video starts the program showing NASA's SMAP satellite launching, time lapse of assembly, the Earth Orbiting Mission Operations Center and animation of SMAP.; Moderated by: Jason Townsend, NASA Social Media Team; Speakers: Jared Entin, NASA Program Scientist for SMAP; Sam Thurman, SMAP Deputy Project Manager, JPL; Wendy Edelstein, SMAP Science Team Lead, MIT; Randy Koster, SMAP Science Team, NASA Goddard; Wade Crow, SMAP Science Team, USDA; Susan Moran, SMAP Science Team, USDA; Continuation of Part 1. Talking about Early Adapters; Video & Publication urls; Question and Answer session. Speakers: Mic Woltman-Vehicle Systems Engineer, NASA Launch Services Program; Col. Marc De Rosario, 30th Space Wing Operations Commander, VAFB; John Bellardo, Co-Principal Investigator, CubeSat, Cal Poly San Luis Obispo; David Rider, GRIFEX Principal Investigator, JPL; David Klumpar, FIREBIRD Principal Investigator, Montana State University.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Sat / Air Chk

JPL-20150130-mAstrds-0001 **New Views of Asteroid 2004 BL86**

Date: 1/30/15 Duration: 00:00:45;27

A movie of Asteroid 2004 BL86 generated on January 27, 2015, using radar data obtained by both NASA's 230 foot wide (70 meter) Deep Space Network antenna at Goldstone, California and the National Radar Astronomy Observatory's 328 ft. wide (100 meter) Green Bank Telescope in West Virginia. Observations made when the asteroid was 800,000-1,000,000 miles (1.3=1.6 million km) from Earth.

Master:	File		
Audio1:	Silent	Audio2:	Silent
Res:	720p59.94	Type:	Edited

JPL-20150131-mSMAP-0001 **SMAP Delta II Post Launch News Conference**

Date: 1/31/15 Duration: 00:10:57;05

SMAP/Delta II Post Launch News Conference from Vandenberg Air Force Base, recorded off NASA TV. With George Diller, NASA Communications; Kent Kellogg, SMAP Project Manager, JPL; Scott Higginbotham, NASA ELaNa-X Mission Manager; Geoff Yoder, Deputy Assoc. Admin., NASA-HQ, Science Mission Directorate.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Sat / Air Chk

JPL-20150201-sSMAP-0001 **SMAP Tower Rollback**

Date: 2/1/15 Duration: 00:01:43;02*

Various B-roll of tower rollback of SMAP. Shot at night. Footage shot by KSC crew at Vandenberg Air Force Base, CA. Nice shot of the NASA and SMAP logos on the Launch Pad. Commentator: George Diller,

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	B-Roll

JPL-20150202-mHQ-0001 **Reach for New Heights_ NASA Fiscal Year 2016 Budget**

Date: 2/2/15 Duration: 00:37:25;18

During his ”State of NASA” speech from Kennedy Space Center s Operations and Checkout Building's High Bay, Administrator Charles Bolden touched on the agency’s scientific and technological achievements and the exciting work ahead as NASA pushes farther into the solar system and continues to lead the world in a new era of exploration. Robert Canbana, Director of KSC introduces Charles Bolden, NASA Administrator. One Boeing CST 100 Mock-up, a Dragon Cargo Module and an Orion spacecraft was shown in the background.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Sat / Air Chk

JPL-20150212-mMSL-0002 **Curiosity on Mars: Rover Walkabout**

Date: 2/12/15 Duration: 00:01:56:09*

MAHLI Principal Investigator Aileen Yingst describes how Curiosity's search for sites of scientific interest changed from a linear approach to a "walkabout" approach. She also explains that the MAHLI (Mars Hand Lens Imager) has two sets of LEDs that can illuminated rock features at night.

Master: File

Audio1: Mono Audio2: Mono

Res: 720p59.94 Type: Edited

JPL-20150212-mVKLect-0001 **VK Lecture: No Way Back -**
Charting Irreversible Climate Change with Jason-3

Date: 2/12/15 Duration: 01:10:45;17*

Theodore von Karman Lecture Series: "No Way Back: Charting Irreversible Climate Change with Jason-3"; Dr. Josh Willis, Jason 3 Project Scientist, gives a presentation on the Earth orbiting satellite, Jason 3. As humans drive Earth's climate into a new regime, it is critical to keep our fingers on the pulse of the planet. Sea level rise is both a stark reminder of our impact on the climate and its impact on us. The oceans capture over 90 percent of the heat trapped by greenhouse gases, expanding as they warm. They also collect water from melting glaciers and ice sheets, making sea level rise a doubly important indicator of global warming. Without adaptation, a 2-meter rise would displace 187 million people worldwide. Sea level will continue to rise, but how fast? Like its predecessors, Jason-3 will serve as our eyes on sea level rise. Measuring global sea level once every 10 days, it will chart out the global rise of the oceans--a rise that is unlikely to subside or reverse for generations. But Jason-3 will be more than a sentinel of climate change. It will also measure the tilt of the ocean surface providing oceanographers with information about ocean currents, measure wind and waves helping forecasters predict marine weather, and even find local warm spots that can intensify hurricanes. As humans drive Earth's climate into a new regime, it is critical to keep our fingers on the pulse of the planet. Sea level rise is both a stark reminder of our impact on the climate and its impact on us. The oceans capture over 90 percent of the heat trapped by greenhouse gases, expanding as they warm. They also collect water from melting glaciers and ice sheets, making sea level rise a doubly important indicator of global warming. Without adaptation, a 2-meter rise would displace 187 million people worldwide. Sea level will continue to rise, but how fast? Like its predecessors, Jason-3 will serve as our eyes on sea level rise. Measuring global sea level once every 10 days, it will chart out the global rise of the oceans--a rise that is unlikely to subside or reverse for generations. But Jason-3 will be more than a sentinel of climate change. It will also measure the tilt of the ocean surface providing oceanographers with information about ocean currents, measure wind and waves helping forecasters predict marine weather, and even find local warm spots that can intensify hurricanes. Introduced by Marc Razze, Public Services Representative-JPL.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Live 1 Cam; Live Multi Cam

JPL-20150213-mVoyage-0001 **Reflections on the Pale Blue Dot**

Date: 2/13/15 Duration: 00:01:07;19*

Memories of Feb. 14, 1990, when Voyager 1 looked back at Earth from 3.7 billion miles away and took a picture known as "The Pale Blue Dot." With science writer Ann Druyan, widow of Carl Sagan.

Master: File
Audio1: Mono Audio2: Mono
Res: 720p59.94 Type: Edited

JPL-20150218-sDawn-0001 **Dawn Gods Eye Trajectory Top View**

Date: 11/12/14 Duration: 00:00:59:38

Dawn mission Gods Eye trajectory of spacecraft and planetary bodies. Time Range is March 2007 - Dec 2016. Includes SC Launch, arrival at Vesta, and arrival at Ceres. Date stamp is burned into upper left of clip. Camera POV stars above solar system then animates to 3/4 side view.

Master: File
Audio1: None Audio2: None
Res: 720p59.94 Type: Animation

JPL-20150218-sDawn-0002 **Dawn Gods Eye Trajectory Animated Camera POV**

Date: 12/11/14 Duration: 00:00:59:38

Dawn mission Gods Eye trajectory of spacecraft and planetary bodies. Time Range is March 2007 - Dec 2016. Includes SC Launch, arrival at Vesta, and arrival at Ceres. Date stamp is burned into upper left of clip. Camera POV is above solar system with a straight down camera view. This is the most current overall trajectory animation for 2015.

Master: File
Audio1: None Audio2: None
Res: 720p59.94 Type: Animation

JPL-20150218-sDawn-0003 **Ceres Arrival Trajectory**

Date: 2/3/15 Duration: 00:01:16:40

Dawn spacecraft trajectory from Jan 2015 - May 2015 of arrival at Dwarf Planet Ceres. Animation shows Sun position, Ceres and animated SC and animated trajectory. Camera POV is behind Ceres looking toward inner solar system and sun. Date stamp is burned into upper right of clip.

Master: File
Audio1: None Audio2: None
Res: 720p59.94 Type: Animation

JPL-20150218-sDawn-0004 **Ceres Arrival Trajectory grfx1**

Date: 2/3/15 Duration: 00:01:16:40

Dawn spacecraft trajectory from Jan 2015 - May 2015 of arrival at Dwarf Planet Ceres. Animation shows Sun position, Ceres and animated SC and animated trajectory. Camera POV is behind Ceres looking toward inner solar system and sun. Date stamp is burned into upper right of clip. This version includes a green Ceres orbital path, Sun pointing graphic, Ceres poles, and arrow indicating Ceres direction of travel in it's orbit around the sun.

Master: File
Audio1: None Audio2: None
Res: 720p59.94 Type: Animation

JPL-20150218-sDawn-0005 **Ceres Arrival Trajectory grfx2**

Date: 2/3/15 Duration: 00:01:16:40

Dawn spacecraft trajectory from Jan 2015 - May 2015 of arrival at Dwarf Planet Ceres. Animation shows Sun position, Ceres and animated SC and animated trajectory. Camera POV is behind Ceres looking toward inner solar system and sun. Date stamp is burned into upper right of clip. This version includes a green Ceres orbital path, Sun pointing graphic, and Ceres poles.

Master: File

Audio1: None Audio2: None

Res: 720p59.94 Type: Animation

JPL-20150218-sDawn-0007 **Dawn at Ceres Transitional Orbits**

Date: 2/19/15 Duration: 00:00:59:29*

Stylized animation of Dawn SC during different transitional orbits as it arrives at Ceres and starts scientific observations at different orbital altitudes. Animation is not to scale.

Master: File

Audio1: None Audio2: None

Res: 720p59.94 Type: Animation

JPL-20150218-sDawn-0008 **Dawn at Ceres Instrument Orbits**

Date: 2/23/15 Duration: 00:01:10:04*

Stylized animation of Dawn SC orbiting Ceres during scientific observations and illustrating narrow and wide scan instrument FOV fulcrums. This animation includes an "Artist Concept" of the Ceres surface that was created before arrival at Ceres. This is a stand-in and will be replaced with a real Ceres global mosaic when it becomes available. Animation is not to scale.

Master: File

Audio1: None Audio2: None

Res: 720p59.94 Type: Animation

JPL-20150225-mSMAP-0001 **SMAP Antenna Deploy**

Date: 2/25/15 Duration: 00:01:46:02

Short video of SMAP's antenna deployment on February 24, 2015. Shots from JPL's mission control room with Kent Kellogg, Project Manager and others. Includes mission animation and real animation used by project with real time telemetry.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: A-Roll

JPL-20150227-mDawn3-0001 **Destination Ceres Breakfast at Dawn**

Date: 2/27/15 Duration: 00:02:50;29*

Destination Ceres - Breakfast at Dawn. On March 6, the Dawn spacecraft will slip into orbit around Ceres, a dwarf planet located in the main asteroid belt. This mission marks the first time a dwarf planet has been visited by a spacecraft and scientists are eager to see its surface in detail. Ceres gets its name from the ancient Roman goddess of agriculture and grain crops.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Edited

JPL-20150302-mDawn-0001 **Dawn Ceres Arrival News Briefing**

Date: 3/2/15 Duration: 00:51:39;03*

News briefing to describe the approach of the Dawn spacecraft to Ceres orbit. Includes stills of "Bright Spot" and mosaic surface map and rotation movies. Host: Jane Platt. Remarks by Dr. Charles Elachi, Director, Jet Propulsion Laboratory. With Jim Green, Director, Planetary Science Division, NASA HQ; Robert Mase, Dawn Project Manager; Carol Raymond, Dawn Deputy Principal Investigator.

Master: File

Audio1: Mono Audio2: Mono

Res: 720p59.94 Type: Live Multi Cam

JPL-20150309-mDawn-0001 **Destination Dwarf Planet: Dawn Approaches Ceres**

Date: 3/9/15 Duration: 00:01:55:35

1. Animation: Dawn using ion propulsion. 2. Series of stills taken Dec. 1, 2014, to Feb. 25, 2015, showing improvements in resolution as Dawn gets closer to Ceres. 3. Feb. 19, 2015, rotation movie. 4. Animation: Dawn entering Ceres orbit.

Master: File

Audio1: Silent Audio2: Silent

Res: 720p59.94 Type: Edited

JPL-20150310-mCassin-0001 **Cassini Data Suggest Saturn Moon's Ocean May Harbor Hydrothermal Activity (Video File)**

Date: 3/10/15 Duration: 00:03:00;17*

Cassini Data Suggest Saturn Moon's Ocean May Harbor Hydrothermal Activity (Video File) - NASA's Cassini spacecraft has provided scientists evidence of present-day hydrothermal activity on Saturn’s moon Enceladus. The data add to the possibility that Enceladus, which contains a subsurface ocean and displays remarkable geologic activity, could contain environments suitable for living organisms. Hydrothermal activity is a process where seawater infiltrates and reacts with a rocky crust, emerging as a heated, mineral-laden solution. This is a natural occurrence in Earth’s oceans. According to two new studies by scientists, the results are the first clear indications that an icy moon may have similar ongoing active processes.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Edited

JPL-20150326-mVKLect-0001 **VK Lecture-Adventures from the Field**

Date: 3/26/15 Duration: 01:06:42;23*

“Adventures From the Field: (Down and Dirty) Stories of Pursuing JPL Science from the Ground up to Space”. Mark Helmlinger, a remote sensing calibration, characterization and validation specialist in JPL’s Imaging Spectroscopy Group, gives a lecture at von Karman Auditorium. JPL regularly sends research teams to the most important planet in the solar system-Earth. Join Helmlinger (a.k.a. Hellwinger) as he shares pictures and stories about the research efforts he has been a part of. From calibrating satellites to using the desert as an analog for Mars; on foot, from towers, carts, cycles, cars and airplanes, Hellwinger has been honored to help out in some fairly obscure corners of the Earth. The purpose of particular field campaigns and what that means to planetary and Earth science will be discussed. There will also be a demonstration of some of the science behind remote sensing.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Live Multi Cam

JPL-20150327-mExo-0001 **Exoplanet Q&Alien - Names**

Date: 3/27/15 Duration: 00:02:09:23*

An explanation of the meaning of exoplanet names: They include the star's name, the order of discovery and the distance of the planet from the star.

Master: File
Audio1: Mono Audio2: Mono
Res: 1080i29.97 Type: Edited

JPL-20150331-mLDSD-0001 **LDSD Media Reel**

Date: 3/31/15 Duration: 00:15:13:28*

1. Time-lapse footage of one type of LDSD decelerator system; Supersonic Inflatable Aerodynamic Decelerator (SIAD) installed and inflated in clean room at JPL. 2. SIAD sled test at the U.S. Naval Weapons Station at China Lake, California. 3. Parachute sled test at same location. 4. Test Flight computer visualization. 5. Interview Sound Bites: Mark Adler, LDSD Project Manager-JPL; Ian Clark, LDSD Principal Investigator-JPL; Robert Manning, Chief Engineer for LDSD Project-JPL.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 720p59.94 Type: Edited

JPL-20150331-mLDSD1 **NASA's Low Density Supersonic Decelerator Takes a Spin LDSD Video File**

Date: 3/31/15 Duration: 00:10:42;14*

LDSD spin test video file. Includes interview with integration engineer Ban Tieu. B-roll includes parachute and sled test from China Lake, LDSD test in Hawaii from 2014, and spin test footage in JPL high bay 1.;1. LDSD test flight at the Pacific Missile Range Facility in Kauai, Hawaii, on June 28, 2014. 2. Spin test in clean room at NASA's Jet Propulsion Laboratory, Pasadena, CA on March 27, 2015. 3. Time-lapse footage of one type of LDSD decelerator system-Supersonic Inflatable Aerodynamic Decelerator (SAID) installed and inflated in the clean room at JPL. 4. SAID sled test at the U.S. Naval Weapons Station at China Lake, California. 5. Parachute sled test at the U.S. Naval Weapons Station at China Lake, California. Interview with Ban Tieu, LDSD Integration Manager/Engineer, JPL.

Master: File
Audio1: Mono Audio2: Mono
Res: 720p59.94 Type: A-Roll; Edited

JPL-20150331-mLDSD3-0001 **Mars Landing Technology Test**

Date: 3/31/15 Duration: 01:03:30;00*

Media were invited to see a spin test of the Low-Density Supersonic Decelerator (LDSD) in a clean room at NASA's Jet Propulsion Laboratory on March 31, 2015. The team is preparing the rocket-powered, saucer-shaped vehicle for a test in June at the Navy's Pacific Missile Range Facility on Kauai, Hawaii. The show was hosted by Gay Hill (JPL Media Relations) and included interviews with James Reuther;(Deputy Associate Administrator Space Technology Mission Directorate), Paul Lytal (LDSD Integration and Test Mechanical Lead), Rob Manning;(LDSD Chief Engineer), and Grace Tan-Wang (LDSD Flight Operations Manager)

Master: File
Audio1: Stereo Mix Audio2: Stereo mix
Res: 720p59.94 Type: Sat / Air Chk

JPL-20150401-mTech-0001 **VolcanoBot March 2015 Test**

Date: 4/1/15 Duration: 00:03:47;06

B-roll for media: Researchers from NASA's Jet Propulsion Laboratory took a robot called ,"VolcanoBot 2" to a fissure at the active Kilauea Volcano in Hawaii in March 2015. In the video, the left panel shows depth data from the robot's vision sensor. Data are collected in infrared. Bright yellow is close to the sensor. Black represents no data.

Master: File

Audio1: Silent Audio2: Silent

Res: 720p59.94 Type: Edited

JPL-20150401-mWhatsU-0001 **What's Up April 2015**

Date: 4/1/15 Duration: 00:02:33:11

Monthly series for amateur astronomers. April features the total lunar eclipse of April 4, viewing the Pleiades and Venus, Jupiter and the Lyrid meteor shower on April 23.

Master: File

Audio1: Mono Audio2: Mono

Res: 1080p60 Type: Edited

JPL-20150601-mLDSD-0001 **LDSD Overview Briefing**

Date: 6/2/15 Duration: 00:33:03;01

Held in the U.S. Navy's Pacific Missile Range Facility in Barking Sands, HI. (Kauai, Hawaii) 2:00pm ET. ; Moderator: Kim Newton, Office of Communications-NASA Marshall Space Flight Center, Huntsville, Alabama. Panelists: Captain Bruce Hay, U.S. Navy Commanding Officer of the Pacific Range Facility; Steve Jurczyk, Associate Administrator for The Space Technology Mission Directorate-NASA HQ; Dr. Ian Clark, Principal Investigator for LDSD-JPL; Dr. Mark Adler, Program Manager of LDSD-JPL. A question and answer session followed the briefing.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Live Multi Cam

JPL-20150407-mHQ-0001 **NASA Science Update- The Solar System and Beyond: The Search for Water and Habitable Planets**

Date: 4/7/15 Duration: 00:57:52:07

NASA Science Update - The Solar System and Beyond: The Search for Water and Habitable Planets. Moderator: Dwayne Brown, NASA Office of Communications. Panelists: John Grunsfeld, Associate Administrator, Science Mission Directorate; Jim Green, NASA Director of Planetary Science; Jeff Newmark, NASA Interim Director of Heliophysics; Paul Hertz, NASA Director of Astrophysics; Ellen Stofan, NASA Chief Scientist. Questions and Answers at the end.;

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Sat / Air Chk

JPL-20150423-mVKLect-0001 **VK Lecture-Rescue Robots**

Date: 4/23/15 Duration: 01:16:00;07

A presentation by Brett Kennedy, currently the Supervisor of the Robotic Vehicles and Manipulators Group at JPL. His areas of expertise include space robotics, bio-inspired robotics, novel mobility systems, robotic manipulators, and underactuated grippers.

Master:	File		Pro50
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Live Multi Cam

JPL-20150506-mSMAP-0001 **SMAP Monitors Drought and Flood in Texas**

Date: 5/6/15 Duration: 00:02:12;17

SMAP satellite data poise for use by the Colorado River Authority in Austin, TX. Interviews with Ron Anderson, Chief Engineer and David Walker, River Operations Manager of Lower Colorado River Authority-LCRA. Interview with UT's Todd Caldwell, Ph.D. Hydrologists/Geoscientist and Texas Rancher, Stanley Rabke. Shots of Lake Travis, Miller Dam, and Mansfield Dam. Shots of Todd Caldwell doing cal val in the field. Installing soil moisture sensors to calibrate SMAP data. Shots of Austin.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	4K 30	Type:	A-Roll;B-Roll

JPL-20150508-mMSL-0001 **Curiosity on Mars: Rover Road Trip**

Date: 5/8/15 Duration: 00:02:00:04*

Rover Planner Erisa Hines describes long term routes planned for Curiosity's path to Mount Sharp.

Master:	File		
Audio1:	Mono	Audio2:	Mono
Res:	720p59.94	Type:	Edited

JPL-20150521-mVKLect-0001 **VK Lecture: The Search for Planets, Habitability and Life in our Galaxy**

Date: 5/21/15 Duration: 01:20:27;05*

Dr. Nick Siegler-Technology Manager, NASA Exoplanet Exploration Program, JPL gave a talk on what will the first evidence of life outside our own solar system may look like and what future technologies are required to discover that evidence. Exoplanet-hunting space-borne telescopes must suppress the bright glare from stars up to ten billion times in order to directly image the faint reflected light from a planet and look for tell-tale signatures of life. To tackle this challenge, the Jet Propulsion Laboratory is developing two novel starlight suppression approaches: 1) coronagraphs (an internal occulter) and 2) starshades (an external occulter). He discussed where these technologies are today, and how they must evolve in order to support possible exoplanet missions in the next decade and beyond.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Live Multi Cam

JPL-20150526-mHQ-0001 **NASA News Briefing-Europa: Understanding This Ocean World**

Date: 5/26/15 Duration: 00:50:25;25

NASA News Briefing-Europa: Understanding This Ocean World. Recorded off air, from NASA TV. 2pm ET. Moderator: Felicia Chou, NASA Office of Communications. Panelists: Kurt Niebur, Euorpa Program Scientist; Jim Green, NASA Director of Planetary Science Division; John Grunsfeld, Associate Administrator of Science Mission Directorate-NASA HQ. Questions and answer session followed. John Grunsfeld discussed the Moon of Jupiter and the mission. Jim Green covered the science in detail. Kurt Niebur talked about 9 instruments they selected to be used: Magnetometer; 3-Faraday Cups; Infrared Spectrometer; Cameras, EIS-Europa Imaging System- 1. Wide Angle-Large images of low resolution in color 2. Narrow Angle-very High Resolution images; Ice Penetrating Radar, Thermal Imager; Mass Spectrometer and Dust Analyzer; Ultraviolet Spectrograph-hunt plumes; Is Europa Habitable?

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Sat / Air Chk

JPL-20150601-mWhatsU-0001 **What's Up June 2015**

Date: 6/1/15 Duration: 00:03:25:39

Monthly series for amateur astronomers. June features: Planets Pluto, Jupiter, Venus and Saturn. Dwarf planet Ceres. Asteroid Pallas. New Horizons and Dawn missions.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Edited

JPL-20150608-mLDSD-0001 **Mars Flight Test Over Hawaii - Commentary**

Date: 6/8/15 Duration: 01:37:03;10

Mars Flight Test Over Hawaii. NASA's Low-Density Supersonic Decelerator Project. Live from U.S. Navy's Pacific Missile Range Facility (PMRF) in Kauai, Hawaii. Second Flight Test. Gay Yee Hill, JPL Media Relations Specialist and Dan Coatta, JPL Mechanical Engineer are Commentators at The Jet Propulsion Laboratory in Pasadena, CA. JPL built the test vehicle. Cameras are on the launch pad, in the Test Vehicle Operations Center, one in Balloon Operations, and one at Makaha Ridge. Dan gives a step by explanation of what will be happening in the test. Dan shows a graph of the Ocean Impact and Recovery. A shot of the balloon getting filled with helium. A nice shot of the Supersonic Inflatable Aerodynamic Decelerator (SIAD). Dan discusses why did we chose the Pacific Missile Range Facility as the spot to test. Video from Google Earth of the different spots at the PMRF. Dan talks about the two technologies we are testing: 1. SIAD (a graphic is shown) 2. Parachute (a graphic is shown of the comparisons of the different parachutes JPL has used in various missions). Dan explains why we need this technology. A video animation of Curiosity Landing on Mars is shown. Shots of different camera views. Dan explains why we have to do this balloon test at high altitudes. A video of last year's test is shown as Dan voices over it. Dan talks about the test goals: 1. The Parachute to work 2. A good set of data. A video is shown of a test of the SIAD on a rocket sled. Dan tells what we see in a camera shot of the balloon and the SIAD. A video animation of the flight path that the balloon did last year 2014. A video of the projection of what they think the flight path will be this year 2015. Umbilical being released from the SIAD capsule. Dan describes the balloon and what it is made of. The balloon is released. Dan describes as the test capsule is rising higher in the air to reach 120,000 feet. Video of the projected path of the balloon as it is rising through the atmosphere. Dan describes the Global Mapper. It is showing an overhead view of the trajectory of the balloon. Interviews of: Steve Sell, LDSD Flight Systems Engineer. Steve talks more about the Global Mapper. Grace Tan Wang, Flight Operations Manager talks about how complex is the test and that other NASA centers are participating like Wallops, JPL as the Program Management, Headquarters, Langley, Marshall and others including the Navy. Gay recaps on what happened earlier. Dan explains why we are going through extreme measures. Interview with Gabriel Garde, Mission Operations Manager, Balloon Program Office tells us how he thinks the balloon launch went. Gay says they are wrapping up the commentary about switching to Ustream and updates at the www.nasa.gov/ldsd.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Live Multi Cam

JPL-20150608-mLDSD-0002 **Mars Flight Test Over Hawaii - Commentary**

Date: 6/8/15 Duration: 00:59:09;14*

Starts off with a shot of the Global Mapper and a shot of Balloon Operations area. Gay welcomes back everyone. Dan does a voice over of a video as he recaps of what happened earlier as the Balloon launched. A shot of the balloon is still in sight due to flight path and the atmospheric conditions. Carl Frolander "Frog" is the camera operator at the Hanger videotaping the balloon as it reaches 120,000 feet mark. Dan explains the Flight Test Profile and shows a graphic. A shot of the balloon at its full shape. Video of last year 2014 test as Dan explains step by step of what happened. Shot of the team getting ready to power up the test vehicle. Dan goes over the goals of this year's 2015 test. 1. Parachute to work 2. A Good set of data. Dan explains the difference from 2014 Disksail to the 2015 Ringsail. Video of the Parachute test at China Lake, CA. A shot of the team sharing the "lucky" mission peanuts. Dan explains the Global Mapper footage. Dan goes over what each camera view with show. Countdown to drop. Separation video. 4-Split screen camera. Views. Gay tells that the test is complete and what the next steps are. Dan explains what transpired through the test and how things went. Dan explains what will happen after splash down of the vehicle. Images shown of last year's recovery test after splash down. Gay talks about summer 2016 test. Dan talks about what will happen in 2015 will determine what will happen next summer of 2016. Video of SIAD-E rocket test. Gay wraps up with ending with telling a telecon will happen on 6-9-15 and updates at: www.nasa.ldsd. A video of the SIAD-E Sled Test.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Live Multi Cam;Sat / Air Chk

JPL-20150608-mLDSD-0003 **Mars Flight Test Over Hawaii - Commentary**

Date: 6/8/15 Duration: 01:03:06;04

Gay Yee Hill, Media Relation Specialist welcomes and explains what is taking place at the Pacific Missile Range Facility at JPL. Cameras on the launch pad, in the Test Vehicle Operations Center, one in Balloon Operations and one in Makaha Ridge. She introduces Dan Coatta, JPL Mechanical Engineer. Dan explains the flight test profile while looking at a video. Crew and Project doing a poll. Dan tells why we chose the Pacific Missile Range Facility to do the test and shows a map of facility, the Launchpad, Mission Control. Technologies: 1. Supersonic Inflatable Aerodynamic Decelerator (SIAD) R graphic of side by side flat and inflated 2. Parachutes-graphic of comparisons. Dan tells why we need this technology. Mars Science Laboratory (MSL) Animation. Standing by for the Balloon Launch. Dan talks about why we have to go through this exercise of a balloon at high altitudes. A video of play by play of what happened last year and how it is the similar as this year. Completed inflating the balloon. Dan explains the goals of this year's test. Video of SIAD test on a rocket sled at China Lake, CA. Dan explains more about the test from various camera views. Dan explains the video animation of last year's flight path. Dan explains a video of the projection of what the flight path will be this year. Dan gives an idea of what camera views will be seen once launched. Gay goes over a timeline of expectations of what will happen. Dan talks more about the balloon. Dan explains what the test capsule is doing. Gay gives an update of the capsule and that it reached the 50,000 mark. Dan goes over the projected path of the balloon as it is rising in the atmosphere. Nice shot of the Moon in back ground. Dan discussed how bad weather affects tests. Talks about how we have to test on Earth before we send different technologies to Mars. Health and Safety poll.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Live Multi Cam;Sat / Air Chk

JPL-20150608-mLDSD-0004 **Mars Flight Test Over Hawaii - Commentary**

Date: 6/8/15 Duration: 00:33:27;23

Starts with the balloon continuing to ascend. Gay tells that the test vehicle and balloon has reached its 20,000 footmark. Gay says all systems green, things we want to hear. You can see the Moon in view. Dan explains what nominal means. Dan explains the overhead view of the trajectory of the balloon. Interview with Steve Sell, LDSD Flight Systems Engineer explains about the Global Mapper, what the excitement is in the room. Grace Tan Wang, Flight Operations Manager explains how complex the test is, How it is coordinated with a number of NASA Centers. Gay tells what will be happening as time goes. Dan explains why we are going to extreme measures and talks about the new technologies that was developed (the SAID and the Parachute). Interview with Gabriel Garde, Mission Operations Manager of NASA's Balloon Program Office at Wallops Facility in Virginia. Gabriel tells how the balloon launch went and his experience with the Pacific Missile Range Facility, Does he use the launch tower usually and challenges. Forty-five minutes since the balloon and test vehicle was launched and reached the 45,000 mark and will end the commentary for an hour and a half. Video footage of the balloon ascending into the atmosphere.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Live Multi Cam;Sat / Air Chk

JPL-20150608-mLDSD-0005 **Mars Flight Test Over Hawaii - Commentary**

Date: 6/8/15 Duration: 00:58:45;17*

Starts with a shot of the Global Mapper. Shots of the Balloon Facility. Gay welcomes back. Dan explains a video of a recap of what happened earlier of the balloon launch and the test vehicle lifts up into the atmosphere. A shot of the balloon at 120,000 feet. Camera Operator Carl Frolander "Frog" is capturing the video footage from a hanger from the ground. Dan talks about the Flight Test Profile. Dan says that the balloon is at full shape. Video of 2014 last year's test of the SIAD and the balloon. Low res cameras on the vehicle and the high res is in the black box aboard the vehicle. Shot of the team getting ready to power up the vehicle. Goals of 2015- 1. Parachute to work 2. Get a good set of data; Camera views aboard the vehicle. Dan explains the graphic designs of last year's 2014 Disksail parachute and this year's 2015 Ringsail. Video at the rocket sled track of a test of the parachute, China Lake, CA. Sharing the "Lucky" peanuts with the team. Dan explains how they track the trajectory on the Global Mapper. Dan goes over what each camera will show. Dan describes an image from the balloon looking down at the test vehicle. Countdown to drop and separation is confirmed. Cheers and claps. Camera shots from vehicle. Split screen shot of four camera views. Gay explains that the LDSD test is complete and they are going to shut; before the vehicle lands in the water so all cameras and data is protected. Dan explains what transpired through the test and how things went. Dan explains why we do tests like this before we send a spacecraft to Mars. Gay claims that this is the largest parachute that has been tested. Dan explains images from last year's 2014 test. Dan talks about the new SIAD to be tested next year 2016. Video of the SIAD -E rocket test. Gay closes and tells about the telecon 6-9-15 and to follow the updates on www.nasa.gov.ldsd. Video of the SIAD-E, produced by Dan Coatta.

Master: File

Audio1: Mono mix Audio2: Mono mix

Res: 720p59.94 Type: Live Multi Cam;Sat / Air Chk

JPL-20150609-mLDSD-0002 **NASA's Second Test Flight of the Low-Density Supersonic Decelerator**

Date: 6/9/15 Duration: 00:04:51:17*

FINAL VERSION: The Low-Density Supersonic Decelerator (LDSD) project's second flight test. Includes: Launch of the balloon carrying the LDSD test vehicle and low-definition imagery from cameras on board. Interview excerpts: Ian Clark, LDSD Principal Investigator, JPL, and Mark Adler, LDSD Project Manager, JPL.

Master: File

Audio1: Mono Audio2: Mono

Res: 720p59.94 Type: Edited

JPL-20150618-mVKLect-0001 **Von Karman Lecture Series: On Sea Ice**

Date: 6/18/15 Duration: 01:16:06;19

A presentation by Dr. Ron Kwok. While the astonishing decline in Arctic sea ice coverage, and the smaller opposing trend in the Southern Ocean, have occupied the headlines lately, there are many processes over a broad range of geophysical scales that contribute to the character of the ice cover. The talk drew on Dr. Kwok's 25 years of involvement in this small but important corner of Earth Science and described several of these processes, such as ice deformation, ice growth & snow accumulation, and in particular their observation and role in polar climate. Dr. Ron Kwok is a Senior Research Scientist at the Jet Propulsion Laboratory. He received his Ph.D. from Duke University, and was a postdoctoral fellow at the University of British Columbia, in Vancouver, B.C. He is also a Fellow of the IEEE. His research interests include the mass and energy balance of the Arctic and Southern Ocean ice cover, and the role of sea ice in global climate. His current focus is on the analysis of ice thickness, small-scale sea ice kinematics, and time-varying gravity data, all collected from various spaceborne and airborne instruments. He is also a member of NASA's ICESat-1 & 2 and NISAR Science Definition Teams, and the European Space Agency's CryoSat-2 Calibration & Validation team. He received the NASA Exceptional Achievement Medal in 2003, the NASA Exceptional Scientific Achievement Medal in 2008, and JPL's Ed Stone Award for Outstanding Research Publication in 2003 and 2005 for his work on understanding the Arctic Ocean sea ice cover. He has published over 140 scientific papers and numerous articles on the state of the Polar Regions.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Live Multi Cam

JPL-20150701-mWhatsU-0001 **What's Up July 2015**

Date: 7/1/15 Duration: 00:03:01:39

Monthly series for amateur astronomers. July features: touring the Milky Way with binoculars. How to use Sagittarius, Scorpius and Capricornus to find Pluto, Ceres and objects within the Milky Way: M8, M22 and B86.

Master:	File		
Audio1:	Mono	Audio2:	Mono
Res:	1080p60	Type:	Edited

JPL-20150709-mMars-0002 **Five Ways Mariner 4 Changed Mars Exploration**

Date:	7/9/15	Duration:	00:02:39;25*

It's been 50 years since the first spacecraft took pictures of another planet. Here are five things about Mariner 4's flyby of Mars you probably didn't know.

Master:	File		
Audio1:	Mono	Audio2:	Mono
Res:	1080i60	Type:	Edited

JPL-20150716-mVKLect-0001 **vK Lecture Series: 1965-Discovery at Mars**

Date:	7/16/15	Duration:	01:11:43;18*

Five Ways Mariner 4 Changed Mars Exploration Video is shown before the presentation. Stephen Kulczycki, Deputy Director of the Office of Communications and Education introduces the presenter. Discovery At Mars: Mars and the Human Imagination was the title of the talk. The Changing Face of Mars, a documentary film on the first mission to visit the Red Planet is presented by producer/director/writer Blaine Baggett, JPL's Director for Communications and Education Division. July 2015 marks the 50th anniversary of Mariner 4, the first spacecraft to successfully fly by Mars. Scientists were surprised by what the first images revealed, a theme that has continued through a half-century of exploring the Red Planet.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Live Multi-Cam

JPL-20150718-mEducat-0001 **What Does it Mean to Be a NASA JPL Intern**

Date:	7/18/15	Duration:	00:01:41;21

JPL student interns share their experiences and what it means to them to be part of the JPL community.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Edited

JPL-20150727-mDawn-0002 **Ceres Topographic Globe Animation**

Date:	7/27/15	Duration:	00:01:12:29

This color-coded map from NASA's Dawn mission shows the highs and lows of topography on the surface of dwarf planet Ceres. The color scale extends 3.7 miles (6 kilometers) below the surface in purple to 3.7 miles (6 kilometers) above the surface in brown. Bright, "white" features do not represent elevation. The topographic map was constructed from analyzing images from Dawn's framing camera taken from varying sun and viewing angles. The map was projected onto a 3-D shape model of Ceres.

Master:	File		
Audio1:	Silent	Audio2:	Silent
Res:	1080p30	Type:	Animation

JPL-20150801-mWhatsU-0001 **What's Up August 2015**

Date:	8/1/15	Duration:	00:03:17:28

August 2015: Perseid meteor shower and view all the current and former planets.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Edited

JPL-20150801-pWhatsU-0001 **What's Up August 2015**

Date:	8/1/15	Duration:	00:03:17:28

Monthly series for amateur astronomers. August features: Perseid meteor shower, where to view all the current and former planets. 1080i30 version

Master:	File		
Audio1:	Stereo	Audio2:	Stereo
Res:	1080p60	Type:	Edited

JPL-20150804-mMSL-0001 **Curiosity 3rd Year Video File**

Date:	8/4/15	Duration:	00:05:20;20

NASA's Mars Curiosity is celebrating the third anniversary of its landing on the Red Planet on Aug. 5, 2012 PDT (Aug. 6 EDT). Included: Time-lapse of Curiosity driving on Martian surface, from the rover's hazard avoidance cameras, NASA's Mars Reconnaissance Orbiter catches sight of Curiosity rover on April 8, 2015, A southward-looking panorama from Curiosity showing diverse geological textures on Mount Sharp, Mars rock with high levels of silica near 'Maria's Pass'. Panoramic image of Yellowknife Bay on Mars, Mars rocks with lakebed sediments. Interview excerpts: Ashwin Vasavada, Mars Science Laboratory Project Scientist, Jet Propulsion Laboratory. Additional b-roll: Mars Science Laboratory Mission control on the day that Curiosity landed on Mars (Aug. 5, 2012 PDT)

Master:	File		
Audio1:	Stereo Mix	Audio2:	Stereo mix
Res:	720p59.94	Type:	Edited

JPL-20150805-mMSL-0001 **Three Years on Mars**

Date:	8/5/15	Duration:	00:03:03;26

After three action-packed years on Mars, the Curiosity rover is ready to take on higher slopes of Mount Sharp.

Master:	File		
Audio1:	Mono	Audio2:	Mono
Res:	1080i 30	Type:	Edited

JPL-20150813-mVKLect-0001 **vK Lecture Series: Drought, Are We In or Out?**

Date:	8/13/15	Duration:	01:18:42;08*

JPL climatologist Bill Patzert speaks on how California's history is written in great droughts. With California now in its fourth year of below-normal rainfall and snowpack, the state faces its most severe drought emergency in decades. Governor Jerry Brown has called for Californians to voluntarily reduce water, and mandatory rationing could be ordered soon so that homes, businesses and farms don't run dry. And, of course, the wildfire danger is also unusually high. How did we get into this drought? In part, blame it on the Pacific Decadal Oscillation, or "PDO," a slowly oscillating pattern of sea-surface temperatures in the Pacific Ocean. At the moment, the PDO might be "flipping" out of its dry phase condition historically linked to extreme high-pressure ridges that block West Coast storms and give the Midwest and East Coast punishing winters. Will a much-advertised El Niño give us drought relief? How does drought impact the Southern California coastal marine environment? To find out how this story may develop this winter, the current prognosis for continued drought and how we deal with future droughts are issues addressed in this talk. Patzert has been a scientist at JPL since 1983. His research is focused on improving our understanding of Earth's climate and important environmental problems ranging from El Niño, La Niña and longer-term climate forecasts. The author of many scientific and popular articles, he works with undergraduate and graduate students from all over the world, and lectures at many local universities. He is often sought out by reporters and is regularly seen on local and national television representing NASA and JPL. In a recent article, he was named as one of the West's most influential individuals in dealing with water issues.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Live Multi-Cam

JPL-20150825-mEarth-0001 **Watching Rising Seas From Space**

Date: 8/25/15 Duration: 00:01:58;24

A brief explanation of sea level rise narrated by Josh Willis, JPL Jason-3 project scientist. Video includes animation created by Goddard showing variations in sea level rise over the last 23 years. Includes the role of oceans and Shorelines.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 1080p30 Type: Edited

JPL-20150828-mGodd-0001 **Earth Right Now Roundtable - NASA Science - Greenland Ice Sheet**

Date: 8/28/15 Duration: 00:57:52;28

Welcome: Michelle Thaller, Research Scientist and Assistant Director of Space Communication at NASA's Goddard Space Flight Center tells the overview of the stories of researchers working at the cutting edge of one of the most pressing problems of our time-Sea Level Rise. Dr. Tom Wagner, Cryosphere Program Scientist at NASA Headquarters in Washington, DC. Wagner talks about what is going on with Sea Level Rise today and what it will be like the next hundred years. He also discusses why ice is so important. Panelists: Josh Willis, Jet Propulsion Laboratory (JPL) talks about the most recent sea level rise; Vina Chu, University of California Berkeley(UC Berkeley) talks about the gear she takes into the field, the measurements they make, how to get things done when things break, her personal journey on how she became part of the research team; Larry Smith, University of California, Los Angeles (UCLA) talks about the project he is working on, why they are focusing on this subject, how he got involved in this particular research ; Mike Bevis, Research Scientist for the NSF talks over a video of him in the field in Greenland and the work he does. Dr. Sophie Nowicki, Research Scientist in the Cryospheric Sciences Laboratory at NASA Goddard Space Flight Center explains over a video about what is happening inside the ice sheet.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Live Multi-Cam

JPL-20150901-mWhatsU-0001 **What's Up September 2015**

Date: 9/1/15 Duration: 00:02:51:06

September 2015: Total eclipse of harvest moon

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Edited

JPL-20150901-mWhatsU-0001 **What's Up September 2015**

Date: 9/1/15 Duration: 00:02:51:06

Monthly series for amateur astronomers. September features: a total eclipse of the harvest moon and where to view the planets.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 1080p60 Type: Edited

JPL-20150910-mVKLect-0001 **vK Lecture Series: The Birth of Planets Around the Sun and Other Stars**

Date: 9/10/15 Duration: 01:04:30;22*

Dr. Neal Turner, supervisor of JPL's Interstellar and Heliospheric Physics Group, gave a talk about why with thousands of planets now known around other stars, why so many planetary systems are quite different from our own. Some stars have several planets inside the location of Mercury's orbit, where our Solar system is basically empty. Other stars have planets more massive than our Jupiter, on looping, eccentric orbits. A few stars have "hot Jupiters" circling every few days on orbits so tight the starlight heats the planets' atmospheres beyond the point where iron vaporizes. Many stars have planets intermediate in size between our rocky Earth and icy Uranus -- sizes that are completely missing from the Solar system. Some planets orbit not one, but two stars, as part of binary star systems. This talk seeks to answer the question where did all this diversity come from. We know planets must form from the gas and dust orbiting young stars. We see the orbiting material with the Hubble and Spitzer Space Telescopes and telescopes on the ground, but the dust makes the material opaque at optical and infrared wavelengths, so it's hard to know what's going on inside. In recent years our view has become clear enough to make out some features that might be caused by young planets orbiting within the material. This presentation discussed several of the new images, and a few of the 3-D computer models astronomers are using to try to learn how planets are born into such diversity. Introduced by Marc Razze, Public Services Representative.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Live Multi-Cam

JPL-20150914-mJupiter-0001 **Map of Heat Flow on Jupiter's Moon Io**

Date: 9/14/15 Duration: 00:00:58;26

Animation shows Jupiter's volcanic moon Io as seen by NASA spacecraft compared to the observed pattern of heat flow from hundreds of active volcanoes.

Master:	File		
Audio1:	Silent	Audio2:	Silent
Res:	720p59.94	Type:	Animation; Edited

JPL-20150916-mTech-0001 **Buoyant Rover for Under Ice Exploration**

Date: 9/16/15 Duration: 00:03:20;13*

Kevin Hand (JPL Planetary Scientist and Astrobiologist), Dan Berisford (Technologist, Thermal and Fluids Engineering Section), John Leichty (Robotics Engineer), and Andy Klesh (Chief Engineer, Interplanetary Small Spacecraft) candidly discuss the concept of a "buoyant rover" for under ice exploration that they built and tested in Barrow, Alaska.

Master:	File		
Audio1:	Stereo Mix	Audio2:	Stereo mix
Res:	720p59.94	Type:	Edited

JPL-20150930-EXOPLNm-0001 **The Search for Another Earth**

Date: 9/30/15 Duration: 00:18:40:02

Twenty years ago, the first exoplanet discovered around a sun-like star, 51 Pegasi b, made us question what we knew about our universe and launched the search for new worlds. This is the story of the pioneers in planet-hunting and how those who have followed are closer to answering one of humanity's most ancient questions: Is there life elsewhere in the universe?;Interviews with Michel Mayor, Didier Queloz, Paul Butler, Bill Barucki, Jill Tarter, Debra Fischer, Tom Barclay, Sara Seager, Scott Gaudi, Jason Kalerai, Nick Seigler, Natalie Batalha, and Alan Boss.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	1080p 29.97	Type:	Edited

JPL-20151001-mWhatsU-0001 **What's Up October 2015**

Date: 10/1/15 Duration: 00:03:54:11

Monthly series for amateur astronomers. 100th episode feature 10 favorite celestial sights of narrator Jane Houston Jones.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 1080i29.97 Type: Edited

JPL-20151008-mVKLect-0001 **vK Lecture Series: Unveiling Ceres**

Date: 10/8/15 Duration: 01:18:48;19

Dr. Carol Raymond, Deputy Principal Investigator and Project Scientist on the Dawn Discovery Mission, gave a talk on the Dawn spacecraft investigations of Ceres, a dwarf planet. Ceres is an intriguing object thought to have formed within the first few million years of the formation of our solar system, and it straddles the boundary between the rocky bodies of the inner solar system, and the ice and water-rich moons of the outer solar system. It may also have a similar astrobiological potential as those icy moons.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Live Multi-Cam

JPL-20151010-mJPL-0001 **Up to the Minute**

Date: 10/10/15 Duration: 00:20:10;21

Produced for JPL's 2015 Open House, Up to the Minute provides viewers a look JPL's recent accomplishments and what's ahead.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Edited

JPL-20151020-sCassin-0001 **Sh01 E21 Establishing R006**

Date: 10/20/15 Duration: 00:00:19:29

Shot 1 - Establishing shot of Cassini spacecraft with Enceladus in the distance.

Master: File
Audio1: NO AUDIO Audio2: NO AUDIO
Res: 1080p60 Type: Animation

JPL-20151020-sCassin-0002 **Sh02 E21 Flyby Tk3 R07**

Date: 10/20/15 Duration: 00:00:14:29*

Shot 2 - Flyby shot of Cassini spacecraft close approach to Enceladus moon, actual flyby through the simulated geyser plumes and particles.

Master: File
Audio1: NO AUDIO Audio2: NO AUDIO
Res: 1080p60 Type: Animation

JPL-20151020-sCassin-0003 **Sh03 E21 Alt R06**

Date: 10/20/15 Duration: 00:00:33:08*

Shot 3 - Cassini spacecraft moving away from fly of Enceladus with large Saturn in the background.

Master: File
Audio1: NO AUDIO Audio2: NO AUDIO
Res: 1080p60 Type: Animation

JPL-20151026-mCassin1-0001 **Enceladus Flyby Web Video**

Date: 10/26/15 Duration: 00:01:51:10

Brett Buffington, Cassini Mission Designer, and Morgan Cable, Cassini Science System Engineer, describe Cassini's planned flyby through the plumes of Enceladus--only 30 miles above the surface.

Master: File
Audio1: Mono Audio2: Mono
Res: 720p59.94 Type: Edited

JPL-20151026-mCassin2-0001 **NASA to Sample Ocean from Icy Saturn Moon Enceladus - Video File**

Date: 10/26/15 Duration: 00:04:54;24

NASA's Cassini spacecraft will sample an extraterrestrial ocean on Wednesday, Oct. 28, when it flies directly through the plume of icy spray coming from Saturn's moon Enceladus. Video File contains animation of Cassini's flyby of Enceladus, images and illustrations of Enceladus, and sound bites from Morgan Cable (Cassini Research Scientist) and Brent Buffington (Cassini Mission Designer)

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Edited

JPL-20151105-mVKLect-0003 **vK Lecture Series: Juno Mission To Jupiter**

Date: 11/5/15 Duration: 01:28:14;11*

Gay Yee Hill, JPL Media Relations Specialist introduced presenter Dr. Steven Levin, Project Scientist, JUNO. Dr. Levin discussed how Juno is expected to survive Jupiter's dangerous radiation environment for over a year, long enough to make over 30 close perijove passes. Skimming a few thousand kilometers above the cloud tops, Juno will measure the magnetic and gravitational fields, use microwave radiometry to determine the global water abundance, image the planet at visible, infrared, and ultraviolet wavelengths, and measure the fields and particles in the Jovian magnetosphere. Improving our understanding of Jupiter will enable us to better understand the history of our solar system and our own origin story.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Live Multi-Cam

JPL-20151112-EARTHm-0001 **OCO-2 Measures Plant Photosynthesis**

Date: 11/12/15 Duration: 00:01:33;21

This animation is a global visualization of the light released by plants during photosynthesis. It's based on the first year of solar-induced fluorescence (SIF) measurements (Sept. 2014 - Sept. 2015) from NASA’s Orbiting Carbon Observatory-2 mission. Each map represents a 16-day cycle and shows average concentrations of SIF. The measurements are reported in radiance (a measure of the amount of light); more light is shown as more green. The seasonal shifts of photosynthesis and the large agricultural areas of the world are apparent.

Master: File
Audio1: Silent Audio2: Silent
Res: 1080i29.97 Type: Edited

JPL-20151112-mEarth-0001 **A Breathing Planet Off Balance**

Date: 11/12/15 Duration: 00:02:32;10

NASA scientists and missions are researching the movement of carbon through the atmosphere, ocean, and plant life to better understand how, and for how long, the Earth can continue to absorb half of all carbon emissions. Interviews with Annmarie Eldering, Goddard's Lesley Ott, and University of Maryland's George Hurtt. Part of the Earth campaign's media roll-out on the issue of carbon.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 1080p 29.97 Type: Edited

JPL-20151118-mEarth-0001 **Annmarie Eldering The Global Carbon System**

Date: 11/18/15 Duration: 00:00:38;03

OCO-2's Deputy Project Scientist talks about the global carbon cycle. Explains how half the carbon emitted by humans is taken up by the land and ocean. OCO-2 will help our understanding of this process. One of four short videos produced in conjunction with Goddard for the Earth campaign carbon issue/platform.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 1080p29.97 Type: Edited

JPL-20151201-WHATSUm-0001 **What's Up December 2015**

Date: 12/1/15 Duration: 00:02:17:23

Monthly series for amateur astronomers. December features Mars now and what to expect from Mars in 2016.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 1080i60 Type: Edited

JPL-20151203-CASSINm-0001 **Cassini Scientist for a Day**

Date: 12/3/15 Duration: 00:01:39;03*

Cassini Scientist for a Day. Cassini scientist Sonia Hernandez makes a pitch to students that Cassini should image Target 1.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 720p59.94 Type: Edited

JPL-20151203-CASSINm-0002 **Cassini Scientist for a Day**

Date: 12/3/15 Duration: 00:01:22;19

Cassini Scientist for a Day. Cassini scientist Estelle Deau makes a pitch to students that Cassini should image Target 2.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 720p59.94 Type: Edited

JPL-20151203-CASSINm-0003 **Cassini Scientist for a Day**

Date: 12/3/15 Duration: 00:01:30;15*

Cassini Scientist for a Day. Cassini scientist Morgan Cable makes a pitch to students that Cassini should image Target 3.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 720p59.94 Type: Edited

JPL-20151203-CASSINm-0004 **Cassini Scientist for a Day**

Date: 12/3/15 Duration: 00:01:54;08*

Cassini Scientist for a Day. Cassini scientist Linda Spilker describes the concept.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 720p59.94 Type: Edited

JPL-20151203-VKLECTm-0001 **vK Lecture Series: Journey to the Center of Mars**

Date: 12/3/15 Duration: 01:25:18;13

The InSight mission to Mars, the 12th in NASA's Discovery Program, will launch in March of 2016, landing six months later in Elysium Planitia. Unlike previous missions to Mars, InSight aims to explore the interior of the planet down to its very core, investigating the fundamental processes of terrestrial planet formation and evolution by performing the first comprehensive surface-based geophysical measurements on Mars. InSight will pursue these goals using seismology, precision tracking, and heat flow measurements. This lecture discussed the mission goals and the challenges faced when trying to study these planetary phenomena from a single location. Dr. Bruce Banerdt is a planetary geophysicist, working in the Earth and Space Sciences Division at JPL since 1977. His research focuses on the geological history of the planet Mars and geophysical investigations of the interiors of terrestrial planets. He has participated in several planetary flight instrument teams, including the Mars Orbiter Laser Altimeters on Mars Observer and Mars Global Surveyor, the Synthetic Aperture Radar on the Magellan mission to Venus, the Seismometer on the NetLander mission to Mars (sadly canceled 2 years before launch) and the SESAME Acoustic Sounder on the European Rosetta comet mission. In addition, he served as Project Scientist for the Spirit and Opportunity rovers for six years, he helped develop a broad-band space-qualified seismometer, and he's been working for the past 25 years to send seismometers to other planets, particularly Mars. He holds a B.S. in Physics and a Ph.D. in Geophysics from the University of Southern California, has served on many NASA and National Academy of Sciences advisory panels, and has published over 60 journal articles, reports and book chapters. Currently, he is the Principal Investigator of the InSight Discovery mission.

Master:	File		
Audio1:	Mono mix	Audio2:	Mono mix
Res:	720p59.94	Type:	Live Multi-Cam

JPL-20151208-DAWNm-0001 **Ceres Rotation and Occator Crater**

Date: 12/8/15 Duration: 00:01:12:12

The first movie shows dwarf planet Ceres in false-color. Scientists use false-color to examine differences in surface materials. The second movie, a flyover, highlights Occator crater, home of the brightest area on Ceres, using the same false-color scheme. The images for both movies were obtained by the framing camera on NASA's Dawn spacecraft from a distance of about 2,700 miles (4,400 kilometers).

Master:	File		
Audio1:	Silent	Audio2:	Silent
Res:	1080i29.97	Type:	Edited

JPL-20160114-VKLECTm-0001 **VK Lecture Series: Deep Space Atomic Clock**

Date: 1/14/16 Duration: 01:04:53;06

The Deep Space Atomic Clock is an upcoming technology demo mission. Principal Investigator Todd Ely and Project Manager Allen Farrington discuss how the mission has been maturing the latest atomic clock technologies into a smaller, less massive package suitable for installation on a variety of deep space probes to enhance navigation precision and gravity science across the solar system.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Live Multi-Cam

JPL-20160201-WHATSUm-0001 **What's Up February 2016**

Date: 2/1/16 Duration: 00:02:42:20

Monthly series for amateur astronomers. February features: five morning planets, comet Catalina, Uranus and Vesta near each other.

Master: File
Audio1: Stereo L Audio2: Stereo R
Res: 1080p60 Type: Edited

JPL-20160101-WHATSUm-0001 **What's Up January 2016**

Date: 1/1/16 Duration: 00:03:30;00

Monthly series for amateur astronomers. January features Quadrantid meteor shower, comet Catalina and the "winter circle of stars." Also explains how star color relates to star temperature.

Master: File
Audio1: Stereo L Audio2: Stereo R
Res: 720p59.94 Type: Edited

JPL-20160128-DAWNm-0001 **Flight Over Ceres**

Date: 1/28/16 Duration: 00:03:43:10

This animated flight over Ceres explores the most prominent craters, as well as the mountain Ahuna Mons. The movie shows Ceres in enhanced color, using images taken by the NASA's Dawn spacecraft as it orbited the dwarf planet. Animation by DLR.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 720p59.94 Type: Edited

JPL-20160211-VKLECTm-0001 **The Europa Mission**

Date: 2/11/16 Duration: 01:27:03;28

Europa Mission Project Manager Barry Goldstein and Project Scientist Bob Pappalardo presented. After many years of study, NASA has approved a new start for a spaceflight mission to investigate the mysteries of Jupiter’s moon Europa. Galileo spacecraft data suggest that an ocean most likely exists beneath Europa’s icy surface and that the “ingredients” necessary for life (liquid water, chemistry and energy) could be present within this ocean today, implying that Europa may be a habitable world. Future exploration of Europa has been deemed an extremely high priority for planetary science, given the potential for revolutionizing our understanding of habitats for life. Over the past several years, JPL has led the effort to mature a mission concept that makes multiple flybys of Europa to investigate its habitability, and recently NASA selected a suite of highly capable remote sensing and in-situ instruments for the Europa mission. The mission design enables globally distributed regional coverage of the moon’s surface, with 40+ close flybys at altitudes from 25 to 100 kilometers. The Europa multiple flyby mission provides a cost-efficient means to explore Europa and investigate its habitability through understanding the satellite’s ice shell and ocean, composition and geology.

Master: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Live Multi-Cam

JPL-20160301-SWOTs-0001 **SWOT 3D CGI Solar Deploy Porsha 1080P**

Date: 3/1/16 Duration: 00:00:29:29

SWOT solar panel deployment after launch. 3D CGI Animation. The Surface Water Ocean Topography (SWOT) Mission is a JPL/CNES mission to make the first global survey of Earth's surface water. Surface water both on oceans, and land lakes, wetlands and rivers. The SWOT mission is based on a new type of radar called Ka-band radar interferometry. The satellite will fly two radar antennae at either end of a 10-meter (33-foot) mast, allowing it to measure the elevation of the surface along a 120- kilometer (75-mile)-wide swath below. Client: Margaret Srinivasan;

Master: File Sub-Master: DVCProHD
Audio1: N/A Res.: 720p59.94
Type: Animation

JPL-20160301-SWOTs-0002 **SWOT 3D CGI KaRin Deploy ProResHQ 1080P**

Date: 3/1/16 Duration: 00:00:51:18*

KaRin interferometer boom deployment hours to days after launch. The actual deployment will take place in stages, with hours to days between each individual boom. Animation is shown as continues motion. Actual moves of booms would be much longer. Animated camera POV moves under the SC to view different instruments (Altimeter, Radiometer, Doris, KaRin interferometer). 3D CGI Animation;

Master: File Sub-Master: DVCProHD
Audio1: N/A Res.: 720p59.94
Type: Animation

JPL-20160301-SWOTs-0003 **SWOT 3D CGI Science to Global ProResHQ 1080P**

Date: 3/1/16 Duration: 00:00:38:00

Animation with stylized green and magenta beams emanating from KaRin interferometer instrument on SC bus. Beams reflect off outer wings, toward Earth surface, then bounce back in reverse into the KaRin instrument. Animated swaths on surface of Earth illustrate left and right swaths and center nadir swath. Red shape indicated altimeter instrument pulses from SC to earth surface and back. Animated swaths animated on to indicate a day of orbits, to 22 days of orbits, revealing full coverage of the earth (Every 22 days). 3D CGI Animation;

Master: File Sub-Master: DVCProHD
Audio1: N/A Res.: 720p59.94
Type: Animation

JPL-20160301-SWOTs-0004 **SWOT 3D CGI KaRin Florida ProResHQ 1080P**

Date: 3/1/16 Duration: 00:00:19:29*

Animated 3D graphic of SWOT SC over Florida. Animation with stylized green and magenta beams emanating from KaRin interferometer instrument on SC bus. Beams reflect off outer wings, toward Earth surface, then bounce back in reverse into the KaRin instrument. Animated swaths on surface of Earth illustrate left and right swaths and center nadir swath. Red shape indicated altimeter instrument pulses from SC to earth surface and back. 3D CGI Animation;

Master: File Sub-Master: DVCProHD
Audio1: N/A Res.: 720p59.94
Type: Animation

JPL-20160301-WHATSUf-0001 **What's Up March 2016**

Date:	3/1/16	Duration:	00:02:46:59

Monthly series for amateur astronomers. March features: Jupiter, its moon and its moons' shadows.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited; A-Roll		

JPL-20160302-DAWNf-0001 **Unveiling Ceres CC**

Date:	3/2/16	Duration:	00:02:37;02*

Edited video narrated by Marc Rayman about topical locations on Ceres.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160309-MROf-0001 **Magnificent Mars**

Date:	3/9/16	Duration:	00:02:20;00*

NASA's Mars Reconnaissance Orbiter has clocked more than a decade of service at the Red Planet and has yielded scientific discoveries and magnificent views of a distant world. Video uses spacecraft animation and stills set to music. These images taken by MRO's HiRISE camera are not in true color because they include infrared information in order to be optimized for geological science.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited; Animation		

JPL-20160309-MROf-0001 **Magnificent Mars 10 Years of Mars Reconnaissance Orbiter**

Date:	3/9/16	Duration:	00:02:20;00*

NASA's Mars Reconnaissance Orbiter has clocked more than a decade of service at the Red Planet and has yielded scientific discoveries and magnificent views of a distant world. Video uses spacecraft animation and stills set to music. These images taken by MRO's HiRISE camera are not in true color because they include infrared information in order to be optimized for geological science.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160324-COMETSf-0001 **Flyby Comet Imaged by Radar**

Date:	3/24/16	Duration:	00:00:39;11*

Radar data of comet P/2016 BA14 taken over three days (March 21 - 23, 2016), when the comet was between 2.5 million miles and 2.2 million miles (4.1 million kilometers and 3.6 million kilometers) from Earth. Radar images from the flyby indicated that the comet is about 3,000 feet (1 kilometer) in diameter. ;

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160324-VKLECTf-0001 **Ten Years at Mars Fixed with 608 Captions**

Date: 3/24/16 Duration: 00:44:12;17*

Dr. Leslie Tamppari, Deputy Project Scientist for the Mars Reconnaissance Orbiter, gives a talk on the discoveries made by the Mars Reconnaissance Orbiter. 10 years ago this month, the Mars Reconnaissance Orbiter arrived at Mars. It has sent back thousands of high-resolution images and more data than all Mars missions combined. It has found the strongest evidence yet that liquid water flows intermittently on present-day Mars; Found evidence of diverse watery environments on early Mars; Seen seasonal changes and longer-term changes over the last decade; and caught avalanches and dust storms in action! Originally slated for a two-year prime science mission followed by a two-year relay mission, MRO has certainly paid its dues. It has probed the planet's atmosphere, surface and subsurface with unprecedented spatial resolution and coverage, and its seven science investigations and six instruments have returned more than 250 terabits of data, enabling numerous discoveries. At the same time, MRO has rendered invaluable service to landers and rovers at Mars. It not only delivered critical information for the selection of landing sites, but also captured crucial data and historic images during the arrivals of the Phoenix lander and Curiosity Rover. It also frequently serves as a relay for data and commands between those spacecraft and Earth. As NASA's Mars Exploration Program looks to the future, MRO continues to characterize and certify new landing sites for both NASA and the European Space Agency, while preparing to cover critical events and surface operations for the InSight lander, Mars 2020 rover, and future missions. Dr. Leslie Tamppari graduated in 1990 from the University of Arizona, majoring in Applied Math. During her studies she had an internship at JPL. After graduation she was hired back to JPL to work as a Science Coordinator for an experiment aboard the Galileo spacecraft. A few years into this job she returned to continue her education at UCLA, where, in 2000, she received her PhD in Geophysics and Space Physics. There she studied water-ice clouds in the Mars atmosphere. Using Viking orbiter data, she was able to detect and map the clouds over the course of a Mars year, which showed for the first time that Mars has nearly constant widespread cloud cover. She has also been the science lead for many future mission proposals and studies, including those for Mars, Europa, and Titan, and she served as the Deputy Project Scientist for the Mars Science Laboratory during its initial days. In 2002, she was invited to be a Co-Investigator for atmospheric studies on the Phoenix mission and in 2003 she was invited to become the Phoenix Project Scientist. She was also the Deputy Project Scientist for the ExoMars Trace Gas Orbiter, in a prior era when the U.S. had four contributed instruments.

Master:	File	Sub-Master:	DVCProHDLP
Audio1:	MPEG-4 Audio (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160329-TECHf-0001 **Destination Mars Rollout Video**

Date: 3/29/16 Duration: 00:01:40;18

Rollout video for Destination Mars. NASA and Microsoft have teamed up to develop software called OnSight, a new technology that will enable scientists to work virtually on Mars using wearable technology called Microsoft HoloLens.

Master:	File	Sub-Master:	DVCProHD
Audio1:	MPEG-4 Audio (48.0 kHz, stereo, 16 bit)	Res.:	1080p29.97
Type:	Edited		

JPL-20160401-WHATSUf-0001 **What's Up April 2016 CC**

Date: 4/1/16 Duration: 00:03:17:44

Monthly series for amateur astronomers. April features: Jupiter's moons transit Jupiter, Mars' retrograde motion explained, the Lyrid meteor shower and 2016's best view of Mercury.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160404-NEOWISf-0002 **Two Years of NEOWISE Asteroid Data Corrected Longer**

Date:	4/4/16	Duration:	00:00:48;25

NASA's asteroid hunting NEOWISE survey uses infrared to detect and characterize asteroids and comets. Since the mission was restarted in December 2013, NEOWISE has discovered 72 near Earth objects and characterized 439 others.

Master:	File	Sub-Master:	DVCProHD
Audio1:	N/A	Res.:	720p59.94
Type:	Edited		

JPL-20160404-TECHf-0001 **Atomic Clock B-roll**

Date:	4/4/16	Duration:	00:14:05:08

Researchers prepare the Deep Space Atomic Clock for testing in a thermal vacuum chamber at NASA's Jet Propulsion Laboratory on April 4, 2016.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	B-Roll		

JPL-20160406-JUNOf-0001 **Juno Media Reel April 2016 Full Length**

Date:	4/6/16	Duration:	00:27:14;28

Spacecraft construction; Solar array deployment test; Launch; Animation/Separation & Solar Panel Deployment: Animation/ Jupiter approach; Animation/Jupiter single orbit; Animation/ Jupiter orbit insertion (J.O.I); Animation/ Artist's concept of Jupiter's gravity field; Animation Juno's first two 53.5-day of Jupiter; Animation/ 14-day orbits starting in late 2016; Animation/ Juno's ground track as it obits Jupiter; Animation/ Views of Jupiter; Animation/ Jupiter's interior; Scott Bolton, Juno Principal Investigator; Steven Levin, Juno's Project Scientist; Rick Nybakken, Juno Project Manager; Tracy Drain, Juno Deputy Chief Engineer; LEGO figures; Juno team meeting B-roll

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160421-VKLECTf-0001 **Von Karman Lecture Series CubeSats Big Goals Tiny Package**

Date: 4/21/16 Duration: 01:07:52;09

Dr. Andrew Klesh, a mission architect at NASA's Jet Propulsion Laboratory in the Planetary Mission Concept group, gives a talk on a miniature revolution in space science that has been underway: CubeSats. First flown as educational tools the size of soup cans, significant capabilities have now been developed to allow these nanospacecraft to travel to the Moon, asteroids, and even Mars. This talk centers around how NASA, other companies, and students are building and flying small spacecraft, and what types of missions they are attempting. Dr. Andrew Klesh is a mission architect at NASAÂ_s Jet Propulsion Laboratory in the Planetary Mission Concept group. His current research focuses on deep space nanospacecraft science and implementation. He is also the Principal Investigator on the INSPIRE deep space CubeSats, and Chief Engineer of MarCO, the first nanospacecraft headed to Mars. He also supports robotic and scientific research in the Arctic, including a novel buoyant rover which explores underneath lake and sea ice. Before starting at JPL, he served as a postdoctoral fellow at the Japanese Aerospace Exploration Agency, JAXA, as a member of the Hayabusa Astrodynamics team, and an IKAROS mission team member. Prior to JAXA, he was a postdoctoral fellow and chief engineer of the University of Michigan's Radio Aurora Explorer CubeSat project. He received his PhD in aerospace engineering, Masters degrees in Space Systems and Aerospace Engineering, and Bachelor's degrees in Aerospace and Electrical engineering, all from the University of Michigan. In all that ‘other’ time he has, he scuba dives as part of the California Science Center Aquarium Dive Team, is an adjunct professor at Arizona State University, works at Space Camp in South Korea each summer, is an instrument-rated private pilot, and finished the IronMan Lake Tahoe in 2015.

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160426-TECHf-0001 **Crazy Engineering Starshade Coronagraph**

Date: 4/26/16 Duration: 00:04:11;08*

Episode 7 of Crazy Engineering series. Host Mike Meacham, Mechanical Engineer at JPL, learns about the two technologies NASA is investing in to image exoplanets. The Starshade, and the Coronagraph. Mike interviews Nick Seigler, Program Chief Technologist, NASA Exoplanet Program in the Starshade lab and the High Contrast Imaging Testbed lab.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160429-ELACHIs-0001 **30th Rotary National Award for Space Achievement Gala**

Date: 4/29/16 Duration: 01:57:33;22*

The 30th Rotary National Award for Space Achievement (RNASA) 2016 Space Awards Gala. Dr. Charles Elachi, Jet Propulsion Laboratory Director, received the 2016 National Space Trophy. The Rotary National Award for Space Achievement (RNASA) Foundation was founded by the Space Center Rotary Club of Houston, Texas in 1985 to organize and coordinate an annual event to recognize outstanding achievements in space and create greater public awareness of the benefits of space exploration. Each year since 1987, the Foundation has presented the National Space Trophy and other awards honoring those who have contributed to our nation's space program. The National Space Trophy is presented annually to an outstanding American who has made major contributions to our nation's space program. Nominations are voted upon by the RNASA Foundation's Board of Advisors that includes a who's who list of individuals intimately involved with the space program, including NASA center directors; presidents of aerospace corporations; military, news media, academic, and political leaders; and previous Trophy winners. In addition to the National Space Trophy, the recipient is honored with a professional portrait (displayed afterwards at Space Center Houston) and an Omega watch.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Sat/Air Chk		

JPL-20160509-JPLf-0001 **JPL B-Roll**

Date: 5/9/16 Duration: 00:06:35:10

A compilation of generic b-roll of various shots of JPL buildings and campus. Shots include front gate and signage, SAF, Mall, Bldg. 180, Bldg. 230, Earth Science Missions Operations Center and Earth Science Visitor Center, Visitor Center, Mars Yard. Also includes many hyperlapse footage of each area. Includes some shots of Open House from 2014 and 2015. ;

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, stereo, 24 bit)	Res.:	720p59.94
Type:	Live 1 Cam		

JPL-20160511-MSLf-0001 **Rover Weather Report**

Date: 5/11/16 Duration: 00:02:32;20

MSL Project Scientist Ashwin Vasavada shares the weather data collected by Curiosity during its two Mars years.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160516-TECHf-0001 **Mixed Reality Media Day Reel**

Date: 5/16/16 Duration: 00:02:50;20

NASA's JPL is a center of innovation in virtual and augmented reality, producing groundbreaking applications of these technologies to support a variety of missions.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160517-TECHs-0001 **B-roll TV Studio**

Date:	5/17/16	Duration:	00:08:07;10

B-roll of the Mixed Reality Media Day event. Various members of the media experiencing the Hololens technology.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160517-TECHs-0002 **Mixed Reality Media Day B-roll VK Auditorium**

Date:	5/17/16	Duration:	00:03:58;07

B-roll of the Mixed Reality Media Day event. Various members of the media experiencing the Hololens technology.

Master:	File	Sub-Master:	DVCPro50
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160519-VIKINGf-0001 **The Legacy of Viking**

Date:	5/19/16	Duration:	00:46:10:22

This year marks the 40th anniversary of the twin Viking landings on Mars. JPL's Gentry Lee, who was the Viking mission's Director of Science Analysis and Mission Planning, shared his experiences during the mission's development and operations on the surface of Mars. Lee is a JPL Fellow and chief engineer for the Solar System Exploration Directorate. In addition to his engineering work, he is also an accomplished science fiction author and played a major role in the development of the original Cosmos TV series. The presentation is sponsored by the Communications and Education Directorate."‹

Master:	File	Sub-Master:	DVCProHD
Audio1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160519-VKLECTf-0001 **Replicating Titan and Mars**

Date:	5/19/16	Duration:	01:06:31;00*

Marc Razze, JPL's Public Services Representative introduced speaker Morgan Cable, Assistant Project Science Systems Engineer for the Cassini mission and a Technologist in the Instrument Systems Implementation and Concepts Section. Cable spoke on "Fire and Ice . . . and Methane: Exploring Mars and Titan using laboratory and field analogues on Earth"; The search for life elsewhere in the solar system has tantalized humanity for centuries. This search has led us to look outward, towards places that may have life (Mars) or the chemical precursors for life (Titan). This search has also led us inward, recreating other worlds in the laboratory and studying places on Earth that can act as analogue environments to other places that are more difficult to reach.

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160601-SURVEYf-0001 **Americas First Lunar Surveyor 50 Years Later**

Date:	6/1/16	Duration:	00:04:41;00

Surveyor 1 landed on the lunar surface on June 2, 1966. It was America's first spacecraft to make a powered soft landing on the moon and the robotic precursor to the Apollo astronaut missions to come.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160601-WHATSUf-0001 **What's Up June 2016**

Date:	6/1/16	Duration:	00:02:52:45

Monthly series for amateur astronomers. June features viewing Jupiter, Mars and Saturn and their moons, Saturn's ring tilt at its maximum, and Comet PanSTARRS.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160616-HQf-0001 **Countdown to Jupiter Juno Spacecraft July 4th Orbit Insertion Mission Briefing**

Date:	6/16/16	Duration:	00:55:16;20*

NASA Mission Briefing: Countdown to Jupiter-Juno Spacecraft's July 4th Orbit Insertion. Dwayne Brown, Office of Communication, NASA Headquarters introduces Geoffrey Yoder, the Acting Associate Administrator of the Science Mission Directorate. Panelists: Diane Brown, Juno Mission Program Executive, NASA HQ.; Scott Bolton, Juno Principal Investigator, South West Research Institute-San Antonio, TX; Rick Nybakken, Juno Project Manager, JPL; Heidi Becker, Juno Radiation Monitoring Investigation Lead, JPL; Alberto Adrian, Juno Co-Investigator Institute for Space Astrophysics and Planetology in Rome, Italy.

Master:	DVCProHD	Sub-Master:	DVCProHD
Audio1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Res.:	720p59.94
Type:	Sat/Air Chk		

JPL-20160616-JUNOf-0001 **NASAs Juno to Fly Closer to Jupiter than Any Other Spacecraft**

Date:	6/16/16	Duration:	00:09:45:18

Animations: Jupiter Orbit Insertion (JOI), planet formation, Jupiter's interior, Juno's flight path, radiation vault. Interviews: Scott Bolton, Principal Investigator; Tracy Drain, Deputy Chief Engineer; Rick Nybakken, Project Mgr.; Steve Levin, Project Scientist. Time-lapse of spacecraft construction. Juno mission's launch from Cape Canaveral, Florida.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160616-VKLECTf-0001 **El Nino and California Water**

Date:	6/16/16	Duration:	01:02:59;28*

Michael Gun son, Global Change and Energy Program Manager and Orbiting Carbon Observatory 2 Project Scientist, introduces a panel consisting of Thomas Painter, Research Scientist, Surface Hydrology Group; Tom Farr, Research Scientist, Earth Surface and Interior Group; Jay Famiglietti, Senior Water Cycle Scientist and Surface Hydrology Group supervisor; Duane Waliser, Chief Scientist, Earth Science and Technology Directorate. The panel discusses El Nino winter and California water and how it is observed from space and how the data is used to make long term predictions.

Master:	File	Sub-Master:	DVCPro25
Audio1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160621-TECHf-0001 **Crazy Engineering Juno**

Date:	6/21/16	Duration:	00:03:17;22

Crazy Engineering focused on Mission Juno. With Tracy Drain and Mike Meacham. Shot in SAF.

Master:	File	Sub-Master:	BCAMsp
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160622-ASTRDSf-0001 **Asteroid 2016 HO3 Revised**

Date:	6/22/16	Duration:	00:01:13:13

Asteroid 2016 HO3 is the best example to date of a near-Earth companion, or "quasi-satellite." This view flies along with Earth and the asteroid as they orbit the Sun. While it orbits the sun, the asteroid makes yearly loops around Earth.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160622-ASTRDSf-0001 **Asteroid 2016 HO3 Revised**

Date:	6/22/16	Duration:	00:01:13:13

Recently discovered asteroid 2016 HO3 is the best example to date of a near-Earth companion, or "quasi-satellite." This view flies along with Earth and the asteroid as they orbit the Sun.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160622-JPLf-0001 **QUEST VIDEO final version**

Date:	6/22/16	Duration:	00:13:27;12*

Video illustration of JPL strategic plan through 2025. Interviews with Tracy Drain, Aaron Parness, Morgan Cable, Linsey Hayes, Jenn Rocca, Ian Fenty, Ashwin Vasavada, Ian Clarke, Nick Seigler, Voroujan Gorjian, Mike Meacham, Josh Willis, Farah Alibay, and various other JPL scientists and engineers.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94

Type: Edited

JPL-20160623-JUNOf-0004 **Jupiter into the Unknown Trailer**

Date: 6/23/16 Duration: 00:02:09'00

A look into the JOI Mission; Narrated by Heidi Becker, Juno Radiation Monitoring Investigation Lead: Scott Bolton, Juno Principal Investigator; Steven Levin, Juno Project Scientist; Rick Nybakken, Juno Project Manager.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160628-JUNOf-0001 **Juno Eyes Intro Commentary Version**

Date: 6/28/16 Duration: 00:00:50;21*

Stand-alone how to find and launch Eyes on the Solar System Juno module.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160630-JUNOf-0001 **Juno Briefing 10am**

Date: 6/30/16 Duration: 00:54:32;02

Science News Briefing about the upcoming Jupiter Orbit Insertion (JOI) of Juno. DC Agle, Media Relations Specialist, JPL moderates. Panelists: Ed Hirst, Mission Manager, JPL; Scott Bolton, Principal Investigator/Southwest Research Institute (SwRI); Steve Levin, Project Scientist/JPL; Jack Connerney, Deputy Principal Investigator/Goddard Space Flight Center; Fran Bagenal, Juno Magnestospheres Co-Investigator/University of Colorado, Boulder. The scientists discuss Jupiter and Juno and what they hope to discover once Juno begins orbiting Jupiter on July 4th, 2016.

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, mono x4, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160630-JUNOf-0002 **Destination Jupiter**

Date: 6/30/16 Duration: 00:26:18;03*

Briefing about the NASA/Apple collaboration regarding Juno mission and artists making music. Dwayne Brown, Office of Communications-NASA Headquarters, Washington moderates. The panelists: Diane Brown, Juno Program Executive-NASA Headquarters, Washington; Scott Bolton, Juno Principal Investigator-Southwest Research Institute (SwRI); Robert Kondrk, Vice President of Apple.

Master:	DVCProHD	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, mono x4, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160701-WHATSUf-0001 **What's Up July 2016**

Date:	7/1/16	Duration:	00:02:55:20

Monthly series for amateur astronomers. July features a tour of the constellations and features of the summer Milky Way.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160701-WHATSUf-0001 **What's Up July 2016**

Date:	7/1/16	Duration:	00:02:55:20

Monthly series for amateur astronomers. July features a tour of the constellations and features of the summer Milky Way.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160704-JUNOf-0001 **Mission Juno Pre Arrival News Briefing 9am PDT**

Date:	7/4/16	Duration:	00:59:10;09

Mission Juno: Unveiling Jupiter's Mysteries Pre-Arrival News Briefing, 9AM. DC Agle, JPL Media Relations Specialist introduces the panel. Panelists: Jim Green, Director, Planetary Science Division/NASA HQ, Washington DC; Scott Bolton, Juno Principal Investigator/Southwest Research Institute, San Antonio, TX; Rick Nybakken, Juno Project Manager/JPL; Heidi Becker, Juno Radiation Monitoring Investigation Lead/JPL. Discussion about JOI scheduled for 7/4/16 at 7:30 PM PST. Questions from the audience, phone, and social media.

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, mono x4, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160704-JUNOf-0002 **Jupiter Orbit Insertion Commentary 730pm PDT**

Date:	7/4/16	Duration:	01:33:28;28

One of the most critical events in the Juno mission took place when the spacecraft entered orbit around Jupiter. Juno's main engine began firing at 8:18 p.m. PDT, with completion of the burn by about 8:53 p.m. Gay Yee Hill, Media Relations Specialist is the commentator. Interviewed: Stuart Stephens, Juno Systems Engineer/JPL; Tracy Drain, Juno Deputy Chief Engineer/JPL; Kevin Hussey, Manager of JPL Visualization Technology Applications/JPL; Richard Cook, Acting Director for Solar System Exploration/JPL; Kristen Francis, Guidance Navigation & Control/Lockheed Martin Space Systems (LMSS); Steve Levin, Juno Project Scientist/JPL; Wil Santiago, Thermal Engineer, LMSS; Rick Nybakken, Juno Project Manager/JPL; Scott Bolton, Principal Investigator/Southwest Research Institute; Geoff Yoder, Associate Administrator for Science Mission Directorate/NASA Headquarters; Mike Watkins, JPL Director.

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, mono x2, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160704-JUNOf-0003 **Jupiter Orbit Insertion Burn Recap**

Date:	7/4/16	Duration:	00:00:51;16*

Highlights of the Juno Orbit Insertion before and after the initial burn of the main engine of the Juno spacecraft.

Master:	DVCProHD	Sub-Master:	DVCProHD
Audio1:	MPEG-4 Audio (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160704-JUNOf-0004 **Mission Juno Post Orbit Insertion News Briefing 10pm PDT**

Date:	7/4/16	Duration:	00:38:22;05

DC Agle, Media Relations Specialist is the moderator for the Mission Juno: Unveiling Jupiter's Mysteries Post-Orbit Insertion News Briefing. Panelists: Geoff Yoder, Acting Associate Administrator, NASA's Science Mission Directorate/NASA Headquarters, Washington, D.C.; Diane Brown, Juno Program Executive/NASA HQ; Scott Bolton, Juno Principal Investigator/Southwest Research Institute/San Antonio, Texas; Rick Nybakken, Juno Project Manager/JPL; Guy Entelechies, Director of Interplanetary Missions/Lockheed Martin Space Systems, Denver, CO; Steve Levin, Juno Project Scientist/JPL.

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, mono x2, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160714-VKLECTf-0001 **NASAs Dawn Mission**

Date:	7/14/16	Duration:	01:43:15;05

Gay Yee Hill, Media Relations Specialist introduced speaker Marc Rayman, Dawn Mission Director and Chief Engineer. Dawn is the only spacecraft ever to orbit a dwarf planet and is the only one ever to orbit any two extraterrestrial destinations. This year it has been orbiting closer to the surface of Ceres than the International Space Station is to Earth. Such a mission would be impossible without the use of ion propulsion, a technology that has largely been in the domain of science fiction, but which was tested extensively on the Deep Space 1 mission, paving the way for Dawn.

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160715-M2020f-0001 **Mars 2020 Facebook Live uncut**

Date:	7/15/16	Duration:	01:00:16;05*

Announcement of NASA's approval of the next Mars rover, currently "Mars 2020." Gay Yee Hill, JPL Media Relations-host. Presenters: Ken Farley, Project Scientist. Matt Robinson, Sampling Development Lead. Allen Chen, EDL Team Chief. Differences between Mars 2020 & Curiosity rover. Purposes of the mission. Tour of Mars Yard & Drilling and Sampling Lab. How EDL will differ from Curiosity's. Questions taken live from internet.

Master:	File	Sub-Master:	DVCProHD
Audio1:	Uncompressed (48.0 kHz, mono x2, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160726-DAWNf-0001 **Ceres Missing Large Craters**

Date:	7/26/16	Duration:	00:00:49:04

A global mosaic and topography globe of dwarf planet Ceres, made from data collected by the Dawn spacecraft, shows that there are fewer large craters than scientists expected to find. The actions of subsurface ice may have erased traces of past craters.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160801-WHATSUf-0001 **What's Up August 2016 cc**

Date:	8/1/16	Duration:	00:02:46:54

Monthly series for amateur astronomers. August features viewing 5 planets (Mercury, Venus, Mars, Saturn, Jupiter) and the Perseid meteor shower.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160805-MSLf-0001 **Curiosity Four Years on Mars**

Date:	8/5/16	Duration:	00:02:02;15

Curiosity celebrates its four years on Mars. Project Scientist Ashwin Asavada narrates the rover's status report, recent accomplishments, and the announcement of a two-year mission extension.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, mono x2, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160811-VKLECTf-0002 **Rosetta and the Comet**

Date:	8/11/16	Duration:	01:24:21;24*

The Rosetta Mission: Comet C-G up close. U.S. Rosetta Project Scientist Bonnie Buratti and Project Manager Art Chmielewski discussed the spacecraft's planned Sept. 30 comet landing. Rosetta has been one of the most difficult space missions ever attempted. After 10 years of flight it caught up with comet 67P/Churyumov-Gerasimenko speeding at 55,000 kilometers per hour and dropped a lander on its surface. Then the mother craft orbited the comet for another year and a half, coming as close as 6 kilometers from the surface. On Tuesday, Sept. 30, the mother ship, not designed for landing, will touch down onto the comet to end the mission. The lecture will not only describe this upcoming landing but will reveal what has been learned from Rosetta about comets and the formation of the solar system.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited; Live Multi-Cam		

JPL-20160829-CASSINf-0001 **Dunes of Shangri La on Titan**

Date:	8/29/16	Duration:	00:01:07;07*

Cassini's radar penetrates Titan's clouds to reveal a field of sand dunes.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160901-JUNOf-0001 **Jupiter’s North Pole Unlike Anything Previously Encountered in Solar System**

Date:	9/1/16	Duration:	00:07:37;21*

Video File. The Juno spacecraft sent back the first-ever images of Jupiter's north pole, taken during the spacecraft's first flyby of the planet with its instruments switched on. JunoCam images: Jupiter seen in various sizes before and after Juno's closest approach. Images of Jupiter's north- and south-polar regions. Sounds of particles detected by Waves instrument traveling across aurora field lines. Infrared movie of the planet. Image of southern aurora. Animation of Juno. Interviews: Scott Bolton, Principal Investigator (SWRi) and Rick Nybakken, Project Manager (JPL).

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160901-JUNOf-0003 **Jupiter’s Glow in Infrared Light**

Date:	9/1/16	Duration:	00:01:22;29*

As the Juno spacecraft approached Jupiter on Aug. 27, 2016, the Jovian Infrared Auroral Mapper (JIRAM) instrument captured the planet's glow in infrared light.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160901-JUNOf-0004 **Juno Listens to Jupiter’s Auroras**

Date:	9/1/16	Duration:	00:01:10;10*

During Juno's close flyby of Jupiter on August 27, 2016, the Waves instrument received radio signals associated with the giant planet's intense auroras. Animation and audio display the signals after they have been shifted into the audio frequency range.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160901-WHATSUf-0001 **What's Up September 2016**

Date:	9/1/16	Duration:	00:02:40;25

Monthly series for amateur astronomers. September features an annular eclipse in Africa, two minor meteor showers (Aurigid and Epsilon Perseid) and planet and moon pair-ups.

Master:	N/A	Sub-Master:	N/A
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	N/A

Type: Edited

JPL-20160906-CASSINf-0001 **Dunes of Shangri La on Titan**

Date: 9/6/16 Duration: 00:01:18;01

Pan across sand dunes on Titan as seen by Cassini's cloud-penetrating radar. Includes animation showing that Titan's dunes flow around obstacles the way dunes on Earth do.

Master: File Sub-Master: DVCProHD

Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: 720p59.94

Type: Edited

JPL-20160907-ARMf-0001 **Asteroid Retrieval Mission Robotic Trajectory and Operations**

Date: 9/7/16 Duration: 00:01:58;29

Animation shows both the robotic aspects of the Asteroid Retrieval Mission (ARM).

Master: File Sub-Master: DVCProHD

Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: 720p59.94

Type: Edited

JPL-20160907-ARMf-0002 **Asteroid Retrieval Mission Robotic Trajectory and Operations no music**

Date: 9/7/16 Duration: 00:01:58;29

Animation shows both the robotic aspects of the Asteroid Retrieval Mission (ARM).

Master: File Sub-Master: DVCProHD

Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: 720p59.94

Type: Edited

JPL-20160907-ARMf-0003 **Asteroid Retrieval Mission Robotic Trajectory and Crew Operations**

Date: 9/7/16 Duration: 00:03:54;18

Animation shows both the human and robotic aspects of the Asteroid Retrieval Mission (ARM).

Master: File Sub-Master: DVCProHD

Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: 720p59.94

Type: Edited

JPL-20160907-ARMf-0004 **Asteroid Retrieval Mission Robotic Trajectory and Crew Operations no music**

Date: 9/7/16 Duration: 00:03:54;18

Animation shows both the human and robotic aspects of the Asteroid Retrieval Mission (ARM).

Master: File Sub-Master: DVCProHD

Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: 720p59.94

Type: Edited

JPL-20160915-CASSINf-0001 **Four Days at Saturn**

Date:	9/15/16	Duration:	00:01:52;17

Images of the full disk of Saturn taken by the Cassini spacecraft over 44 hours (April 25-27, 2016) are combined to make a rotation movie of four 10.5-hour Saturn days.

Master:	File	Sub-Master:	DVCProHDLP
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160915-ROSETAf-0001 **Rosetta's Last Act HiRes**

Date:	9/15/16	Duration:	00:01:43'01

File made by Dan Goods' team. Features Murthy Gudipati, Bonnie Buratti, Art Chimielewski, Mark Hofstadter, Paul Von Allmen, Mathieu Choukroun.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160922-VKLECTf-0001 **VK Lecture Cassini Epic Journey at Saturn**

Date:	9/22/16	Duration:	01:16:32;27

The Cassini mission's findings have revolutionized our understanding of Saturn, its complex rings, the amazing assortment of moons and the planet's dynamic magnetic environment. The robotic spacecraft arrived in 2004 after a seven-year flight from Earth, dropped the parachuted Huygens probe to study the atmosphere and surface of Saturn's big moon Titan, and commenced making astonishing discoveries that continue today. Cassini's current mission extension has led to some remarkable discoveries and more are expected when Cassini repeatedly dives between the innermost ring and the top of Saturn's atmosphere during its final six months starting in April 2017. Late last year Cassini completed its final equatorial tour of Saturn's icy satellites, culminating in a series of Enceladus encounters including a daring pass through the icy moon's southern jets and plume. The mission then began executing a series of Titan flybys, each of which increases the spacecraft's inclination until it finally reaches nearly 64 degrees. At that point, in late November, the Cassini mission will embark on its final set of orbits: 20 F-ring orbits with a periapsis just outside Saturn's F ring, 22 proximal orbits, the Grand Finale, with periapsis between the innermost D ring and Saturn, and finally, entry into Saturn's atmosphere in September 2017. The Cassini mission, a cooperative undertaking by NASA and the European and Italian space agencies, has revolutionized our understanding of Saturn, its rings & amazing assortment of moons, and the planet's dynamic magnetic environment. The astonishing discoveries continue to this day. Cassini will repeatedly dive between the innermost ring and the top of Saturn's atmosphere during its final six months starting in April 2017, before finally plunging into Saturn's atmosphere in September. Dr. Earl Maize is the manager of the Cassini Program. A veteran of 32 years at JPL, he began his career working on the navigation and engineering teams for the Galileo mission to Jupiter. After Galileo's final Earth flyby, he transferred to Cassini as the Spacecraft Operations manager and then Deputy Program Manager. He left the project for eight years to hold management positions in Guidance, Navigation, and Control & Avionics, then returned to Cassini as the Program Manager in January 2013. Dr. Linda Spilker is the Cassini Project Scientist and a Co-Investigator on the Cassini Composite Infrared Spectrometer team, and has worked on Cassini since 1988. Since joining JPL almost 40 years ago - her first and only job out of college, by the way - she has worked on the Voyager Project, the Cassini Project and conducted independent research on the origin and evolution of planetary ring systems. ;

Master:	File	Sub-Master:	DVCProHDLP
Audio1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160930-ROSETAf-0001 **Comet Finale for ESAs Rosetta Mission**

Date: 9/30/16 Duration: 01:58:32:00*

From JPL, Gay Hill, Media Relations Specialist moderates the NASA Comet Finale for ESA's Rosetta Mission. Interviewed are Steve Chesley, Senior Research Scientist, Center for Near-Earth Objects Studies, JPL; Matt Taylor, Rosetta Project Scientist, ESA; Jim Green, NASA's Director of Planetary Science. Followed by ESA Commentary 23 minutes into the show with moderator Monika Jones with participants Jan Worner, Roberto Battiston, Jean-Yves Le Gall and Pascale Ehrenfreund. Andrea Accomazzo discusses the Ops challenges during the mission's history. Other participants include Matt Taylor, Holger Sierks, Kathrin Altwegg, Jean-Pierre Bibring, Larry O'Rourke, Mark McCaughrean, Gerhard Schwehm, Alvaro Gimenez, Paolo Ferri, Sylvain Lodiot, Partick Martin. Production is then thrown back to JPL 1 hr and 32 minutes into the show with comments from Geoff Yoder, Associate Administrator NASA Science Mission Directorate, Bonnie Buratti, US Rosetta Project Scientist and Art Chmielewski, Rosetta US Project Manager.

Master:	File	Sub-Master:	DVCProHDLP
Audio1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160930-ROSETAf-0002 **Comet Finale for ESAs Rosetta Mission with Earth Views for Playback**

Date: 9/30/16 Duration: 01:59:00:00

From JPL, Gay Hill, Media Realtions Specialist moderates the NASA Comet Finale for ESA's Rosetta Mission. Interviewed are Steve Chesley, Senior Research Scientist, Center for Near-Earth Objects Studies, JPL; Matt Taylor, Rosetta Project Scientist, ESA; Jim Green, NASA's Director of Planetary Science. Followed by ESA Commentary 23 minutes into the show with moderator Monika Jones with participants Jan Worner, Roberto Battiston, Jean-Yves Le Gall and Pascale Ehrenfreund. Andrea Accomazzo discusses the Ops challenges during the mission's history. Other participants include Matt Taylor, Holger Sierks, Kathrin Altwegg, Jean-Pierre Bibring, Larry O'Rourke, Mark McCaughrean, Gerhard Schwehm, Alvaro Gimenez, Paolo Ferri, Sylvain Lodiot, Partick Martin. Production is then thrown back to JPL 1 hr and 32 minutes into the show with comments from Geoff Yoder, Associate Administrator NASA Science Mission Directorate, Bonnie Buratti, US Rosetta Project Scientist and Art Chmielewski, Rosetta US Project Manager. Ends with views of Earth.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Live Multi-Cam		

JPL-20160930-TECHf-0002 **Spacecraft Power Systems Short Version**

Date: 9/30/16 Duration: 00:01:35:14

This "whiteboard"ù animation explains the development of the next generation of radioisotope thermoelectric generators (RTGs), called eMMRTGs (enhanced multi-mission radioisotope thermoelectric generators). Shorter version of JPL-20160930-TECHf-0001.

Master:	File	Sub-Master:	DVCProHD
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	720p59.94
Type:	Edited		

JPL-20160930-TECHf-0002 **Spacecraft Power Systems**

Date: 9/30/16 Duration: 00:03:10:04

This "whiteboard" animation explains the development of the next generation of radioisotope thermoelectric generators (RTGs), called eMMRTGs (enhanced multi-mission radioisotope thermoelectric generators).

Master: File Sub-Master: DVCProHD
Audio1: 16-bit Little Endian (44.1 kHz, stereo, 16 bit) Res.: 720p59.94
Type: Edited

JPL-20160930-TECHf-0002 **Spacecraft Power Systems Short Version cc**

Date: 10/5/16 Duration: 00:01:35:14

Short version of a "whiteboard" animation explains the development of the next generation of radioisotope thermoelectric generators (RTGs), called eMMRTGs: enhanched multi-mission radioisotope thermoelectric generators.

Master: File Sub-Master: DVCPro50
Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: 720p59.94
Type: Edited

JPL-20161001-WHATSUf-0001 **What's Up October 2016**

Date: 10/1/16 Duration: 00:02:53;03*

Monthly series for amateur astronomers. October features moon phases, Astronomy day, meteor showers (Taurids, Draconids and Orionids) and Saturn.

Master: N/A Sub-Master: N/A
Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: N/A
Type: Edited

JPL-20161018-JUNOf-0001 **NASAs Juno Mission Science From Close Jupiter Flyby**

Date: 10/18/16 Duration: 00:05:29;04

First release of science from the Juno spacecraft's close flyby of Jupiter on Aug. 27, 2016, includes images from JunoCam, including those processed by "citizen scientists" (the public), illustration of the layers of Jupiter Juno studies using 6 frequencies of microwaves, a JunoCam movie as Juno approached and receded from Jupiter, animations of the MWR (Microwave Radiometer) instrument and of Juno flying by Jupiter.

Master: File Sub-Master: DVCProHDLP
Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: 720p59.94
Type: Edited

JPL-20161019-JUNOf-0001 **News from the Juno Mission Press Conference at Pasadena Convention Center**

Date: 10/19/16 Duration: 00:44:16:11*

Juno science press briefing. Shantanu Naidu, Division of Planetary Sciences Press Officer, moderates. Panel includes: David Schurr, Deputy Director for Planetary Science at NASA; Scott Bolton, Juno Principal Investigator, SwRI; Candice Hansen, Juno Co-Investigator, PSI. Includes images from JunoCam, science data and questions from audience. Shot at Pasadena Convention Center and aired on NASA TV.

Master: DVD Sub-Master: DVCProHD
Audio1: Uncompressed (48.0 kHz, mono x2, 24 bit) Res.: 720p59.94

Type: Live Multi-Cam

JPL-20161020-VKLECTf-0001 **Space Robotics**

Date: 10/20/16 Duration: 01:23:58;05*

Aaron Parness of the Extreme Environment Robotics Group gave a talk in the von Karman Lecture Series about the ability of robots to traverse various diverse surfaces which has revolutionized JPL missions. With more advanced mobility, new targets like cliff faces, cave ceilings, and the surfaces of asteroids and comets could be explored. This talk presented the work of JPL's Robotic Rapid Prototyping Lab. This includes grippers for JPL's Asteroid Redirect Mission, which plans to extract a 15-ton boulder from the surface and alter the asteroid's orbit, a method that could prevent future impacts to the Earth. The talk will also present gecko-inspired adhesives currently being tested on the International Space Station, miniaturized robots that can drive across surfaces in zero gravity, and rock-climbing robots traversing giant lava tubes in New Mexico. He discussed not only the projects, but the new tools and techniques (3-D printers, computer-aided-design software, miniature electronics) that allow us to build and iterate robots more quickly than ever before. Introduced by Marc Razze, JPL Public Services Representative.

Master: File Sub-Master: DVCProHDLP

Audio1: Uncompressed (48.0 kHz, stereo, 16 bit) Res.: 720p59.94

Type: Live Multi-Cam

JPL-20161026-JPLf-0001 **JATO JPLs First Project for the Army**

Date: 10/26/16 Duration: 00:01:36;15

Film of testing of jet-assisted take-off (JATO) in the 1940s with descriptive text overlays. JPL was asked to develop JATO by the Army Air Corps so that bombers could take off from short runways. Audio is music only.

Master: N/A Sub-Master: N/A

Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: N/A

Type: Edited

JPL-20161026-JPLf-0002 **Explorer 1 Americas First Satellite QTCC**

Date: 10/26/16 Duration: 00:03:10;03*

A cutdown of the Army's "The Big Picture" episode that describes the launch of Explorer 1.

Master: N/A Sub-Master: N/A

Audio1: 16-bit Little Endian (44.1 kHz, stereo, 16 bit) Res.: N/A

Type: Edited

JPL-20161026-JPLf-0003 **Corporal Developing Americas First Guided Ballistic Missile QTCC**

Date: 10/26/16 Duration: 00:00:51;07*

A description of the development by JPL of the WAC Corporal.

Master: N/A Sub-Master: N/A

Audio1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit) Res.: N/A

Type: Edited

JPL-20161026-JPLf-0004 **History Rediscovered Found Tapes**

Date:	10/26/16	Duration:	00:02:51;21

Recently rediscovered audio recordings from the JPL archives, highlights the lab's involvement in America's first satellites for communication. JPL Historian Erik Conway discusses the audio recordings and the missions they involved.

Master:	N/A	Sub Master:	N/A
Audio1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Res.:	N/A
Type:	Edited		

JPL-20161101-WHAT'SUf-0001 **What's Up November 2016**

Date:	11/1/16	Duration:	00:02:31;07

Monthly series for amateur astronomers. November features: viewing Venus at sunset, Jupiter at dawn and the dwarf planet Ceres. Three meteor showers: Northern Taurids, Leonids, November Orionids. Explanation of Saturn's solar conjunction.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20161115-EXOPLNs-0001 **Nick Seigler and Tiffany Meshkat for Idaho Public TV**

Date:	11/15/16	Duration:	00:02:34;06

Exoplanet scientists Nick Siegler and Tiffany Meshkat are interviewed (remotely) for Idaho Public TV. They are asked questions by the show's host Joan (?) and then take questions from students. They cover a lot of questions for almost an hour.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	A-Roll

JPL-20161115-EXOPLNs-0003 **Tiffany Meshkat for Idaho Public TV**

Date:	11/15/16	Duration:	00:54:40;23

Exoplanet scientists Nick Siegler and Tiffany Meshkat are interviewed (remotely) for Idaho Public TV. They are asked questions by the show's host Joan (?) and then take questions from students. They cover a lot of questions for almost an hour.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	A-Roll

JPL-20161115-EXOPLNs-0004 **Nick Seigler for Idaho Public TV**

Date:	11/15/16	Duration:	00:54:25;17

Exoplanet scientists Nick Siegler and Tiffany Meshkat are interviewed (remotely) for Idaho Public TV. They are asked questions by the show's host Joan (?) and then take questions from students. They cover a lot of questions for almost an hour.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	A-Roll

JPL-20161117-VKLECTf-0001 **New Eyes on Space**

Date: 11/17/16 Duration: 01:31:23;08

Michael Ressler, U.S. project scientist for the James Webb Space Telescope's Mid-Infrared Instrument, gave a talk on the James Webb Space Telescope. The James Webb Space Telescope will continue to revolutionize our study of the cosmos after it is launched in late 2018. Built to address the questions asked by the Hubble and Spitzer Space Telescopes but out of their reach, JWST will look deeper than either at infrared wavelengths with a suite of instruments that have capabilities that were not previously available. Ressler describes the Webb telescope as a whole, but focused on the Mid-Infrared Instrument, one of the four instruments attached to the telescope and built as a partnership between JPL and a consortium of European astronomical institutes. MIRI is the longest wavelength instrument on the Webb telescope and plays a significant role in all of its major science themes. Introduced by Marc Razze, JPL Public Services Representative with the following: Scheduled to launch in 2018, the James Webb Space Telescope, or JWST, will revolutionize our study of the cosmos. Built to address the questions asked by the Hubble and Spitzer Space Telescopes but out of their reach, JWST will look deeper than either at infrared wavelengths with a suite of instruments that have capabilities that were not previously available. Tonight's talk described JWST as a whole, but focused on the Mid-Infrared Instrument, or MIRI, one of the four instruments attached to JWST, which was built as a partnership between JPL and a consortium of European astronomical institutes. MIRI is the longest wavelength instrument on JWST and plays a significant role in all the major JWST science themes. Tonight's guest is the JPL Project Scientist for MIRI, and it is his responsibility to ensure that the JPL contributions to MIRI will enable it to perform the observations desired by the astronomical community. He received his bachelor's degree in Physics from M.I.T. in 1986, followed by a PhD in Astronomy from the University of Hawaii at Manoa in 1992. He came to JPL after graduation as a National Research Council Postdoctoral Fellow and joined the JPL staff in 1994. He has been involved in building infrared astronomical instruments since he was an undergraduate and has specialized in understanding the design and operation of the detectors in these instruments. Ground-based instruments he has worked on have been used on the Keck Telescopes, the Palomar 200" telescope, and the 3-m NASA Infrared Telescope Facility. He is also a member of the science team and is a detector specialist for the WISE All-Sky survey, where he also had the distinction of having the first scientific paper published using results from that mission. His scientific interests focus on the early stages of the formation of stars, but he has also been involved in a broad range of research topics, from asteroid studies to infrared-bright galaxies.

Master:	File	Sub-Master:	DVCProHDLP
Audio 1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20161121-CASSINf-0001 **Ring Grazing Orbits**

Date: 11/21/16 Duration: 00:01:54;05

Previewing Cassini's Ring-Grazing Orbits

Master:	File	Sub-Master:	DVCProHD
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20161201-WHAT'SUf-0001 **What's Up December 2016**

Date:	12/1/16	Duration:	00:02:40;03*

Monthly series for amateur astronomers. December features viewing of Mercury, Venus and Mars all month long, Mars and Neptune appearing close to each other on New Year's Eve, the Geminids and Ursid meteor showers and viewing comet 45P/Honda-Mrkos-Pajdu.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20161215-DAWNf-0001 **Occator Dawn Views Incredible Crater**

Date:	12/15/16	Duration:	00:02:19:42

Animation with text of Occater crater on Ceres. Animations and music created by DLR. Text and titles created by JPL. Animations created with data captured by NASA's Dawn spacecraft.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited; Animation

JPL-20161215-VKLECTf-0001 **Black Hole Hunting with NuSTAR**

Date:	12/15/16	Duration:	00:51:36;28

The first four years of NuSTAR observations is examined by Project Scientist Daniel Stern. The JPL-managed Nuclear Spectroscopic Telescope Array, or NuSTAR, launched in June 2012 and became the first telescope in orbit to focus high energy X-ray light. This powerful X-ray emission provides a unique probe of the most energetic phenomena in the universe, from flares on the surface of the sun, to the explosions of stars, to the extreme environments around neutron stars and black holes. The crisp, sensitive images enabled by NuSTAR's new technology have dramatically changed our picture of the extreme universe. This talk will present some of the highlights from the first four years of NuSTAR observations, including the surprising discovery of a new class of hyper-luminous neutron stars, measurements of how fast black holes spin, and unique insight into the physics of supernova explosions.

Master:	File	Sub-Master:	DVCProHDLP
Audio 1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20161220-CASSINf-0001 **Cassini Scientist for a Day Essay Contest Overview**

Date:	12/20/16	Duration:	00:01:13;21

Cassini Scientist for a Day Essay Contest - Overview of the contest with Linda Spilker, Cassini Project Scientist

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20161220-CASSINf-0002 **Cassini Scientist for a Day Essay Contest Introduction**

Date:	12/20/16	Duration:	00:01:08;11

Cassini Scientist for a Day Essay Contest - Introduction to the contest with Jay Thompson, Cassini Science Writer

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20161220-CASSINf-0003 **Cassini Scientist for a Day Essay Contest Target 1**

Date:	12/20/16	Duration:	00:01:24;19*

Cassini Scientist for a Day Essay Contest - Target 1. Janelle Wellons, Cassini Instrument Engineer, presents her reasons why students should pick Target 1 (Enceladus' Plumes) as the target to study.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20161220-CASSINf-0004 **Cassini Scientist for a Day Essay Contest Target 2**

Date:	12/20/16	Duration:	00:01:11;15

Cassini Scientist for a Day Essay Contest - Frank Laipert, Cassini Navigator, presents his reasons why students should pick Target 2 (Titan's Lakes) as the target to study.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20161220-CASSINf-0005 **Cassini Scientist for a Day Essay Contest Target 3**

Date:	12/20/16	Duration:	00:01:12;09

Cassini Scientist for a Day Essay Contest - Elise Kowalski, Cassini Science Planner, presents her reasons why students should pick Target 3 (Saturn's hexagon) as the target to study.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170101-WHAT'SUf-0001 **What's Up January 2017**

Date:	1/1/17	Duration:	00:02:32;10

Monthly series for amateur astronomers. January features the Quadrantid meteor shower and viewing Venus, comet 45P and Vesta.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170111-CASSINf-0001 **Titan Touchdown**

Date:	1/11/17	Duration:	00:02:27;23*

On Jan. 14, 2005, ESA's Huygens probe made its descent to the surface of Saturn's hazy moon, Titan. Carried to Saturn by NASA's Cassini spacecraft, Huygens made the most distant landing ever on another world, and the only landing on a body in the outer solar system. This video uses actual images taken by the probe during its two-and-a-half hour fall under its parachutes. Also include mission animation.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170112-VKLECTf-0001 **Exoplanets The Quest for Strange New Worlds**

Date:	1/12/17	Duration:	01:25:39;08*

Eric Mamajek, deputy program chief scientist for the NASA Exoplanet Exploration Program at JPL, presents a talk on the methods used to discover planets orbiting other stars. Planets orbiting other stars (Exoplanets) have become an important field of astronomical study over the past two and a half decades. Recent findings from NASA's Kepler mission suggest that exoplanets are ubiquitous, i.e. nearly every star you see in the night sky probably has exoplanets orbiting it. The number of confirmed exoplanets is now a few thousand. Their discoveries have yielded terms that would have sounded alien to astronomers before the 1990s: Hot Jupiters, Pulsar planets, Super-Earths, Mini-Neptunes, Circumbinary planets. Trends are emerging among exoplanet populations that put our own solar system in context, and most exoplanetary systems appear to be very unlike our own. Mamajek will present a brief history of exoplanet discoveries, the story of the transiting Super-Saturn extrasolar ring system J1407b (a candidate moon-forming disk around a young giant planet) and summarize NASA's ongoing and future plans to discover and characterize strange new worlds. Introduced by Marc Razze.

Master:	File	Sub-Master:	DVCProHDLP
Audio 1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170123-MERf-0001 **Opportunity Turns 13 with CC**

Date:	1/23/17	Duration:	00:02:20;17

This edited video compares MER Opportunity to a teenager in several ways: 1) more independent, 2) stays up late, 3) loves to share, 4) doesn't always call home, 5) getting smarter, 6) always curious. MER team members talk to camera in a light-hearted video.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170130-CASSINf-0001 **Cassini's Ring-Grazing Orbits Facebook Live**

Date:	1/30/17	Duration:	00:30:37:25

NASA's Cassini Mission to Saturn Project Scientist Linda Spilker and mission planner Molly Bittner took questions about Cassini's ring-grazing orbits, the closest look ever at Saturn's moons and ring particles -- and spoke about what we've learned so far and what we can expect to see as they continue. The event was hosted by JPL Media Relations Science Communications Specialist Preston Dyches.

Master:	File	Sub-Master:	N/A
Audio 1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live 1 Cam

JPL-20170201-WHAT'SUf-0001 **What's Up February 2017**

Date:	2/1/17	Duration:	00:02:56;07*

Monthly series for amateur astronomers. February features: viewing Mars, Venus and Uranus; the zodiacal light; and viewing comets 45P and 2P.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170209-VKLECTf-0001 **In Hot Water Glacier Change & Sea Level Rise**

Date:	2/9/17	Duration:	01:11:48;23

Von Karman Lecture Series: In Hot Water: Glacier Change and Sea Level Rise. Marc Razze, JPL+E68s public service representative introduced presenter Alex Gardner who is a research scientist at NASA's Jet Propulsion Laboratory. Glaciers and ice sheets hold massive amounts of freshwater locked up as ice. The loss of glacial ice due to melting as our climate warms or from calving of icebergs can have large impacts on the Earth system and on society. These stores of freshwater feed water supplies that support millions of people around the world, raise global sea levels, and can even change the rate of Earth's rotation. In this talk JPL's Alex Gardner will revealed a world of rapid change as seen through the eyes of a NASA glaciologist.

Master:	DVCProHD	Sub-Master:	DVD
Audio 1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170216-CASSINf-0001 **Enceladus Mystery of the Icy Moon cc**

Date:	2/16/17	Duration:	00:02:34;20

While Linda Spilker and Michele Dougherty narrate, images and video from Eyes on the Solar System show flybys of Enceladus that Cassini made during the course of its mission and its science data recordings of Saturn's magnetic field taken by the magnetometer onboard as well as the plumes coming out of the south pole of Enceladus.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170216-EXOPLNf-0001 **NASAs Spitzer Reveals Largest Batch of Earth Size Habitable Zone Planets Around a Single Star**

Date:	2/16/17	Duration:	00:06:22;13*

Announcement of the discovery of 7 rocky planets orbiting TRAPPIST-1, a star 40 light-years from Earth. Three of the planets are in the habitable zone, and all 7 could have liquid water. Stills: size comparisons of TRAPPIST planets and Mercury, Venus, Earth and Mars; size comparisons of solar systems; artist's concept of view of sky from Planet F. Animation: orbits of the 7 planets, illustration of habitable zone, fly-arounds of 3 of the planets, Spitzer Space Telescope. Interview excerpts: Sean Carey, Manager, Spitzer Science Center, Caltech/IPAC; Nikole Lewis, James Webb Telescope Project Scientist, Space Telescope Science Institute; and Michael Gillon, Principal Investigator, TRAPPIST, University of Liege, Belgium. All images of TRAPPIST planets are artist's concepts.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170222-EXOPLNf-0001 **NASA TV Science Briefing Discoveries Beyond Our Solar System**

Date:	2/22/17	Duration:	00:38:42;07*

Recorded off of NASA TV. News of TRAPPIST-1 exoplanet system - 7 exoplanets around a small red dwarf star. Moderated by Felicia Chou from NASA Office of Communications. Panelists include: Thomas Zurbuchen, Associate Administrator, Science Mission Directorate, Michael Gillon, Astronomer at University of Liege, Belgium, Sean Carey, Manager of NASA's Spitzer Science Center, Caltech/IPAC, Sara Seager, Professor of Planetary Science and Physics, MIT Cambridge and Nikole Lewis, Astronomer at the Space Telescope Science Institute in Baltimore.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Sat/Air Chk

JPL-20170228-EXOPLNf-0002 **A Treasure Trove of Planets Found**

Date:	2/28/17	Duration:	00:01:56;01

Announcement of the discovery of seven rocky planets orbiting TRAPPIST-1, a star 40 light years from Earth. Three of the planets are in the habitable zone, though all seven could have liquid water. Animation with interviews featuring Sean Carey, Manager, Spitzer Science Center, Caltech/IPAC; Nikole Lewis, James Webb Telescope Project Scientist, Space Telescope Science Institute; and Michael Gillon, Principal Investigator, TRAPPIST, University of Liege, Belgium.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170301-WHAT'SUf-0001 **What's Up March 2017**

Date:	3/1/17	Duration:	00:02:48;14

Monthly series for amateur astronomers. March features the occultation of red star Aldebaran by the moon, a description of conjunctions of Mercury and Venus and where to view Jupiter all month long.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170310-GRACEf-0001 **15 Years of GRACE**

Date:	3/15/17	Duration:	00:02:30;00

For 15 years, the GRACE mission has unlocked mysteries of how water moves around our planet. Video consists of factoids about the GRACE mission over stock footage (river, waterfalls, rain, snow, irrigation, glacier, underwater ocean current, flooding, drought, ocean), GRACE data animations and spacecraft animation.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170330-CASSINf-0001 **Cassini's Grand Finale Film ProRes 422 HQ**

Date:	3/30/17	Duration:	00:03:40:00

Animated piece about how Cassini will plunge into Saturn's atmosphere at the end of its mission.

Master:	File	Sub-Master:	N/A
Audio 1:	MPEG-4 Audio (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170401-WHAT'SUf-0001 **What's Up April 2017**

Date:	4/1/17	Duration:	00:01:56;16

Monthly series for amateur astronomers. Viewing the planet Jupiter and the Lyrid meteor shower.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170404-CASSINf-0001 **Cassini Grand Finale Preview Press Briefing**

Date:	4/4/17	Duration:	00:59:30;05*

Moderated by Preston Dyches. Panelists include Earl Maize, Linda Spilker and Joan Stupik. Jim Green joins via satellite from HQ. They discuss Cassini's planned "Grand Finale" dive between the rings and what it's been like working on the Cassini mission for years.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, mono x2, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170406-VKLECTf-0001 **Sunlight and Science - Harnessing the Sun's Light to Explore Our Planet and The Universe**

Date:	4/6/17	Duration:	01:26:44;24

Mark Helmlinger, JPL systems engineer, presents 'Harnessing the Sun's Light to Explore Our Planet and the Universe.' Andrew Thorpe, Research Technician, joins him in a discussion on how Earth science has become a key to understanding our universe since, after all, planetary science relies on ideas and technologies developed and tested here on Earth. Like a Star Trek "sensor sweep," a remote sensing technique called spectral mapping is used to learn about celestial bodies. These types of instruments use reflected sunlight to produce imagery of the chemical composition of planetary surfaces. The information captured in these data is useful to many fields of Earth environmental, as well as planetary, research. This talk includes photos and videos of various spectral mapping field deployments. The science behind measuring spectra of reflected sunlight is explored and physical demonstrations are used to illuminate a few of the phenomena that make spectral remote sensing possible. Introduced by Marc Razze. Mark Helmlinger received a BS in Physics from the California State Polytechnic University, Pomona, in 1991. From 1991 to 2005, he was the calibration and validation field engineer for the Earth Observation System (EOS) Multi-Angle Imaging SpectroRadiometer team at JPL. In that capacity he participated in, and lead, several domestic and international field deployments. From 2005 to 2011, he was employed by Northrop Grumman Aerospace Systems as an electro-optical calibration engineer. He has also worked for Labsphere, Inc., maker of optical calibration systems, as their worldwide remote sensing systems development and marketing manager. During these gap years away, he was brought in part-time by various JPL projects to help out with on-going fieldwork. He returned full-time to JPL in 2012, to augment JPL's Imaging Spectroscopy Group. There he helps calibrate, operate, and develop custom spectral remote sensing instruments and techniques for NASA and other customers as well as assist with planetary research and exploration development efforts at JPL.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170413-CASSINf-0001 **Ingredients for Life at Enceladus cc**

Date:	4/13/17	Duration:	00:02:02;07

In 2015 NASA's Cassini spacecraft made the deepest dive ever... through a plume of gas and ice spraying from the south pole of Saturn's moon Enceladus. A Cassini science instrument "sniffed" the plume and detected hydrogen. Hunter Waite, INMS Instrument Team Lead, Southwest Research Institute, talks about the findings. Cassini previously discovered there's a salty, global ocean under Enceladus' icy crust... and that hot ocean water was coming into contact with a rocky sea floor. Life requires three primary ingredients: liquid water, source of energy, right chemical ingredients.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170413-CASSINf-0002 **NASA News Conference Oceans Beyond Earth**

Date:	4/13/17	Duration:	00:50:18;11*

From NASA Headquarters, Washington, DC. Moderated by Felicia Chou, Office of Communications. This broadcast includes feeds from Headquarters, Goddard Space Flight Center, and JPL. Includes, Jim Greene, Director of Planetary Science, Mary Voytek, Astrobiology Senior Scientist, NASA HQ, Thomas Zurbuchen, Associate Administrator, Science Mission Directorate, Linda Spilker, Cassini Project Scientist, Hunter Waite, Cassini INMS Team Lead, SWRI, Chris Glein, Cassini INMS Team Associate, SWRI, and William Sparks, Astronomer and Lead Author of Hubble findings.
There are some audio hits and visual artifacts due to transmission issues

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, mono x2, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170427-CASSINf-0001 **Cassini’s First Dive Between Saturn and Its Rings**

Date:	4/27/17	Duration:	00:01:48:11

After the first-ever dive through the narrow gap between the planet Saturn and its rings, NASA's Cassini spacecraft called home to mission control at NASA's Jet Propulsion Laboratory in Pasadena, California. See highlights from the scene at JPL on April 26-27, 2017, and some of the first raw images the spacecraft sent back from its closest-ever look at Saturn's atmosphere.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170427-CASSINf-0002 **Cassini’s First Dive Between Saturn and Its Rings Video File**

Date:	4/27/17	Duration:	00:04:16;10*

Video of Cassini team receiving first signal back from the spacecraft and celebrating in mission control and von Karman Auditorium with friends and family. Three raw images taken during Cassini's first plunge through the gap between Saturn and its rings. Animation of Cassini during its Grand Finale dive. Animated view from Cassini's perspective of passing over Saturn's north pole and diving through the gap.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170427-CASSINf-0003 **Facebook Live Cassini Grand Finale**

Date:	4/27/17	Duration:	00:27:39;28

Moderated by Preston Dyches in 230 Dark Room. He speaks with Julie Webster, Linda Spilker and Kevin Baines.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live 1 Cam

JPL-20170501-WHAT’SUf-0001 **What’s Up May 2017 - cc**

Date:	5/1/17	Duration:	00:01:50;27

Monthly series for amateur astronomers. Jupiter, Saturn, and the moon near Mercury, Venus and Mars.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170503-CASSINf-0001 **Cassini’s First Fantastic Dive Past Saturn**

Date:	5/3/17	Duration:	00:01:14;17*

Animated image sequence taken by Cassini spacecraft on April 26, 2017, on its first dive between Saturn and the rings. The sequence of images represents one hour of the dive. Includes an animation showing the orientation of the spacecraft during the dive. This is the beginning of the mission's Grand Finale.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170503-CASSINf-0002 **New Movie Shows Cassini's First Dive Over Saturn Video File**

Date:	5/3/17	Duration:	00:01:37;01

Animated image sequence taken by Cassini spacecraft on April 26, 2017, on its first dive between Saturn and the rings. The sequence of images represents one hour of the dive. Includes and animation showing the orientation of the spacecraft during the dive. This is the beginning of the mission's Grand Finale.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170515-NEOWISf-0001 **Three Years of NEOWISE Survey Data**

Date:	6/5/17	Duration:	00:01:07;25*

NASA's asteroid-hunting NEOWISE survey uses infrared to detect and characterize asteroids and comets. Animation shows the 114 near-Earth objects and 693 other objects characterized by the mission since the previously-decommissioned WISE mission was restarted as NEOWISE in December 2013.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170523-HQf-0001 **Agency wide Town Hall on the FY18 NASA Budget Request**

Date:	5/23/17	Duration:	00:25:23:15*

Acting Administrator Robert Lightfoot speaks from the James Webb Auditorium at NASA HQ about the Fiscal Year 2018 Budget Request.

Master:	File	Sub-Master:	N/A
Audio 1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170523-NASAf-0001 **FB Live from 179 Viewing Gallery NASA Facilities Tour**

Date:	5/23/17	Duration:	00:09:50:04

Stephanie Smith hosts from 179 Viewing Gallery. Topic is a Tour of NASA's Facilities.

Master:	File	Sub-Master:	N/A
Audio 1:	MPEG-4 AAC-LC (48.0 kHz, mono, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live 1 Cam

JPL-20170525-JUNOf-0001 **First Science from Juno at Jupiter Telecon 608cc**

Date:	5/25/17	Duration:	01:08:48;25*

Telecon about Juno's science.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Sat/Air Chk

JPL-20170601-WHAT'SUf-0001 **What's Up June 2017**

Date:	6/1/17	Duration:	00:02:27;19*

Monthly series for amateur astronomers. Compare Saturn and Jupiter. Saturn at opposition.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170621-CASSINf-0001 **Cassini Group Photo Final**

Date:	6/21/17	Duration:	00:02:44;03

Internal video about Cassini and its team members who've worked on the mission over the years. Includes footage of a group photo taken on the mall.

Master:	File	Sub-Master:	N/A
Audio 1:	MPEG-4 AAC-LC (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170626-MPFf-0001 **Pathfinder Media Reel**

Date:	6/26/17	Duration:	00:37:46:02

Instruments, Testing, Pre-launch preparation at KSC, Launch, Landing Commentary, First Images Commentary, Panorama of Landing Site, Movies made by Mars Pathfinder.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170626-MPFf-0002 **Pathfinder Animation Reel 1**

Date:	6/26/17	Duration:	00:04:36;04*

Departing Earth, Cruise Stage close-up, Arrival at Mars, Entering Atmosphere, Parachute Opening, Dropping Heat Shield, Lowering Airbags on Tether, Airbags Inflate, Airbags Bounce to a Stop, Airbags Deflate Exposing Pathfinder, Next Day: Camera Mast Rises, Sojourner Rover Drives Down Ramp, Sojourner Rover Drives on Surface.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170627-MPFf-0006 **Mars Pathfinder 20th Anniversary Celebration with Blaine Baggett in Pickering Auditorium**

Date:	6/27/17	Duration:	00:59:00:00

Blaine Baggett moderates. Panelists: Mike Watkins, Jennifer Trosper, Brian Muirhead, Charles Elachi, Ed Stone, Dan Goldin.

Master:	File	Sub-Master:	N/A
Audio 1:	32-bit Integer (48.0 kHz, stereo, 32 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170630-ASTRDSf-0001 **How Do We Spot Near Earth Asteroids_1-cc**

Date:	6/30/17	Duration:	00:01:04:28

Scott Hulme narrates over this animation.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited; Animation

JPL-20170630-ASTRDSf-0002 **Asteroid Day Bob Holmes**

Date:	6/30/17	Duration:	00:02:30;24

Amateur astronomer Bob Holmes, owner of one of the world's largest private telescopes, describes his observatories and how he helps NASA discover and refine the orbits of asteroids.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170630-ASTRDSf-0003 **NASA Planetary Defense Every Day Is Asteroid Day**

Date:	6/30/17	Duration:	00:59:00:00*

JPL-produced segment of global 24-hour "Asteroid Day" project. Host: Gay Yee Hill. Guests: Lindley Johnson, NASA Planetary Defense Officer; Kelly Fast, Mgr. NASA's Near-Earth Object Observations Program; Matthew Holman, Minor Planet Center; Paul Chodas, Mgr. CNEOS; Eileen Ryan, Magdalena Ridge Observatory; Marina Brozovic, JPL Radar Scientist; Amy Mainzer, NEOWISE Principal Investigator.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170630-ASTRDSf-0004 **NASAs Asteroid Hunters**

Date:	6/30/17	Duration:	00:02:48;03

Edited piece about the Catalina Sky Survey in Mt. Lemmon, Arizona and Panoramic Survey Telescope and Rapid Response System (PanSTARRS) in Haleakala, Hawaii. Eric Christensen, Director of the Catalina Sky Survey; Rose Metheny, Research Scientist at the Catalina Sky Survey; Richard Wainscoat, Astronomer at University of Hawaii.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170701-WHAT'SUf-0001 **What's Up July 2017**

Date:	7/1/17	Duration:	00:02:46;15

Monthly series for amateur astronomers. July 2017 features a description of solar and lunar eclipses, the phases of Earth's Moon, and two meteor showers: The Delta Aquarids and the Alpha Capricornids.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170711-CORALf-0001 **CORAL Media Reel for VICE**

Date:	7/11/17	Duration:	00:17:15:18

B-roll for HBO's VICE who is doing a documentary on the CORAL mission. Footage is from the Australia plane ops portion of the mission. Shots include plane on the ground and getting ready to fly, mission engineers working in-flight, and shots of the Great Barrier Reef below.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	B-Roll

JPL-20170713-VKLECT-0001 **Five Years of Curiosity on Mars**

Date:	7/13/17	Duration:	01:25:44;20*

Mars Science Laboratory Project Manager Jim Erickson and Project Scientist Ashwin Vasavada give a talk on what the Mars Curiosity rover has discovered on its five years exploring the surface of the red planet. As of this date, the rover is climbing through the foothills of Mount Sharp, a 3-mile-high mountain formed from sediment brought in by water and wind. The implications of the rover's most recent discoveries are examined, especially as it relates to the planet's evolution and climatology. Introduced by Marc Razze.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170720-VOYAGEs-0001 **Voyager Media Reel 3**

Date:	7/20/17	Duration:	00:37:46;02

Collection of elements featuring the construction, move to Cape Kennedy, launch and discoveries of Voyagers 1 and 2. Created for the missions' 40th anniversary.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170727-CASSINf-0001 **Auroras Over Saturn**

Date:	7/27/17	Duration:	00:00:42:13

46-frame movie made by the Cassini spacecraft on July 20, 2017, of the aurora at Saturn's south pole.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170727-VOYAGEf-0001 **Interstellar Space Sounds from Voyager 1**

Date:	7/27/17	Duration:	00:01:02:10*

Edited piece highlighting sounds that were captured by Voyager 1 in interstellar space.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170801-MSLf-0001 **Rover POV Five Years of Curiosity on Mars**

Date:	8/1/17	Duration:	00:05:48;24*

Five years of images from the Mars Science Laboratory Rover Curiosity's front left Hazard Avoidance Camera (Hazcam) were used to create this time-lapse movie. An animated inset map shows the rover's changing location in Mars' Gale Crater.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170801-MSLf-0002 **A Guide to Gale Crater**

Date:	8/1/17	Duration:	00:02:54;13

A summary of what the Mars Science Laboratory Rover Curiosity has discovered so far about the geological history of Mars' Gale Crater--and whether it was ever suitable for life.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	

JPL-20170801-WHAT'SUf-0001 **What's Up August 2017**

Date:	8/1/17	Duration:	00:03:09;13

Monthly series for amateur astronomers. August describes safely viewing the Aug. 21, 2017, total solar eclipse, including making an Eclipse Kit to use for science observations during the eclipse.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (44.1 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170804-MSLf-0001 **Curiosity 5th Year Anniversary Video-cc**

Date:	8/4/17	Duration:	00:02:07;11

Edited piece about Curiosity's five years on the surface of Mars.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170811-CASSINf-0001 **A World Unveiled Cassini at Titan**

Date:	8/11/17	Duration:	00:03:10:17

A look at the Cassini-Huygens mission's discoveries at Saturn's moon Titan and a description of how flybys of Titan allowed the mission to change to new orbits repeatedly without using fuel. Featuring Linda Spilker, Cassini Project Scientist, JPL; Jonathan Lunine, Cassini Titan Scientist, Cornell University; and Elizabeth "Zibi" Turtle, Cassini Imaging Team, John Hopkins Applied Physics Laboratory.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170815-VOYAGEf-0001 **Voyager at 40 Keep Reaching for the Stars**

Date:	8/15/17	Duration:	00:03:27;01

Retrospective of the Voyager mission at the 40-year milestone. Features comments by Ed Stone, Voyager Project Scientist and Suzy Dodd, Voyager Project Manager.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170816-SUNf-0001 **Solar System Ambassador-Web-1080cc**

Date:	8/16/17	Duration:	00:02:09;22

Edited piece about the Explorer 1 mobile telescope.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, mono x2, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170821-HQf-0001 **2017 Eclipse Across America**

Date:	8/21/17	Duration:	03:58:25;10

1-hour preshow followed by 3-hour NASA coverage of the August 21, 2017, total solar eclipse as seen from several locations across the U.S. Preshow ends at 01:00:04:47. Main show is anchored from Charlotte, NC, and ends at 03:44:25:21. After the show ends, the final 14 minutes of the hour is filled by straight-down ISS views of Earth.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170821-NASAf-0001 **Solar Eclipse Video File**

Date:	8/21/17	Duration:	00:02:14;29*

On Monday, Aug. 21, NASA provided coast-to-coast coverage of the solar eclipse across America featuring views of the phenomenon from unique vantage points, including from the ground, from aircraft, and from spacecraft including the International Space Station, during a live broadcast seen on NASA Television and the agency's website. The Museum of Idaho, Idaho Falls, was one of NASA's designated locations along the path of totality. NASA collaborated with the museum to offer a series of science talks and demonstrations during the weekend prior to the eclipse. This is footage from Idaho Falls, Idaho.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170824-CASSINf-0001 **Cassini The Wonder of Saturn - CC**

Date:	8/24/17	Duration:	00:02:28;02

Collection of images and animations at Saturn accompanied by music.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170824-VKLECTf-0001 **Voyager 40 Years in Space**

Date:	8/24/17	Duration:	01:16:50;06

Voyager's remarkable journey continues. Presented by Alan Cummings, Senior Research Scientist at Caltech and Voyager team member since 1973

Master:	File	Sub-Master:	N/A
Audio 1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170824-VOYAGEf-0001 **Voyager 40th Anniversary Celebration CC**

Date:	8/24/17	Duration:	00:59:30:00

Blaine Baggett moderates. Panelists: Suzy Dodd, Ed Stone, Chris Jones, John Cassani

Master:	File	Sub-Master:	N/A
Audio 1:	MPEG-4 Audio (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170829-CASSINf-0001 **Saturn Plunge Nears for NASA Cassini Spacecraft Video File**

Date:	8/29/17	Duration:	00:14:04;28

On Sept. 15, 2017, NASA's Cassini spacecraft will end its mission by diving into the atmosphere of Saturn. While its fateful plunge on Sept. 15 is a foregone conclusion -- a gravitational kick from Saturn's moon Titan on April 22 began its "Grand Finale" and placed the two-and-a-half-ton vehicle on a path to collide with Saturn's atmosphere-- several mission milestones have to occur over the coming two-plus weeks to prepare the vehicle for one last burst of trailblazing science.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170829-CASSINf-0002 **Cassini A Saturn Odyssey**

Date:	8/29/17	Duration:	00:04:34;19

A look at the 13-year Cassini-Huygens mission to Saturn and its moon Titan with key moments described by Linda Spilker, Cassini Project Scientist; Earl Maize, Cassini Program Manager; and Julie Webster, Cassini Operations Manager.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170901-WHAT'SUf-0001 **What's Up Sept 2017 cc**

Date:	9/1/17	Duration:	00:02:04:23

Monthly series for amateur astronomers. September 2017 features the end of the Cassini mission to Saturn, the Milky Way, the Summer Triangle and observing Saturn.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170906-VOYAGEf-0001 **Voyager 40th Anniversary Special Part 1**

Date:	9/6/17	Duration:	00:43:59:18

From Smithsonian National Air and Space Museum. This special is about Voyager's 40 years in space. Moderated by Matthew Shindell, Curator of Smithsonian National Air and Space Museum. ; Also speaking is Thomas Zurbuchen, Associate Administrator, NASA's Science Mission Directorate. Panelists: Ed Stone, Voyager Project Scientist; Gary Flandro, Voyager Mission Grand Tour Creator; Alan Cummings, Voyager Researcher; Suzann Dodd, Voyager Project Manager; Ann Druyan, Creative Director, Voyager Interstellar Message.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170906-VOYAGEf-0002 **Voyager 40th Anniversary Special Part 2 JPL Hit with PreRoll**

Date:	9/6/17	Duration:	00:08:16:17

Shot at JPL for the Voyager 40thy Anniversary Special. Host is Tracy Drain, Juno Deputy Chief Engineer. William Shatner guests and announces the selected message to Voyager - "We offer friendship across the stars. You are not alone. #MessageToVoyager". Jeff Berner, Deep Space Network Chief Engineer talks about DSN and telecommunication with spacecraft.;

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170906-VOYAGEf-0003 **Voyager 40th Anniversary Special Part 3**

Date:	9/6/17	Duration:	00:23:52:03*

From Smithsonian National Air and Space Museum. This special is about Voyager's 40 years in space. Moderated by Matthew Shindell, Curator of Smithsonian National Air and Space Museum. ; Panelists: Ed Stone, Voyager Project Scientist; Morgan Cable, Researcher JPL, Eric Zirnstein, Researcher Princeton University.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170913-CASSINf-0001 **Cassini End of Mission Preview**

Date:	9/13/17	Duration:	01:01:19:19*

Press conference features: Jim Green, Director, NASA's Planetary Science Division; Earl Maize, Cassini Program Manager; Linda Spilker, Cassini Project Scientist; Hunter Waite, Team Lead, INMS Instrument, Southwest Research Institute. They talk about what to expect when Cassini plunges into Saturn's atmosphere on September 15, 2017.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo x2, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170914-CASSINf-0001 **Cassini NASA Social**

Date:	9/14/17	Duration:	00:59:05:24*

Moderated by Stephanie Smith. Dr. Thomas Zurbuchen, Associate Administrator, Science Mission Directorate at NASA HQ, makes opening remarks and takes questions. First panel: Linda Spilker, Jonathan Lunine, Conor Nixon, Morgan Cable. Jason gives a demonstration of Eyes on the Solar System; Second Panel: Earl Maize, Julie Webster, Luis Andrade, Molly Bitner. Mike Evans talks about some of the great photos Cassini took while on its mission.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170915-CASSINf-0001 **Cassini End of Mission Program Event**

Date:	9/15/17	Duration:	01:30:30:25*

Commentary from JPL as Cassini plunges into Saturn's atmosphere to end the mission. Hosted by Gay Hill. Guests include: Earl Maize, Todd Barber, Morgan Cable live at Caltech, Linda Spilker, Jim Green, Michael Watkins, Jonathan Lunine, Thomas Zurbuchen.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo x8, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170915-CASSINf-0002 **Cassini's Last Looks at Saturn**

Date:	9/15/17	Duration:	00:01:13;20

Final images from the Cassini spacecraft before its mission ended are set to music.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170915-CASSINf-0003 **Cassini Moments**

Date:	9/15/17	Duration:	00:01:04;22

JPL's Cassini Mission Support Area as the Cassini mission ended on September 15, 2017.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170915-CASSINf-0004 **Cassini End of Mission Post Event Press Conference**

Date:	9/15/17	Duration:	00:59:44:14*

Moderated by Jia-Rui Cook. Michael Watkins makes opening remarks. Panelists: Earl Maize, Linda Spilker, Julie Webster, Thomas Zurbuchen

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo x8, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170915-CASSINf-0005 **Cassini End of Mission Package**

Date:	9/15/17	Duration:	00:02:40;16

3-minute recap of the Grand Finale End of Mission for Cassini.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170915-CASSINf-0007 **Cassini End of Mission Program Event Replay w CC**

Date:	9/15/17	Duration:	01:28:51:29*

Commentary from JPL as Cassini plunges into Saturn's atmosphere to end the mission. Hosted by Gay Hill. Guests include: Earl Maize, Todd Barber, Morgan Cable live at Caltech, Linda Spilker, Jim Green, Michael Watkins, Jonathan Lunine, Thomas Zurbuchen.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, mono x2, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20170921-JPLf-0001 **Origami at JPL**

Date:	9/21/17	Duration:	00:01:15;20

Manan Arya, Advanced Deployable Structures, and intern Robert Salazar talk about making foldable components that go on spacecraft.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20170921-VKLECTf-0001 **Volcanologist's Paradise**

Date:	9/21/17	Duration:	00:58:12:06*

JPL research scientist Ashley Davies gives a presentation on volcanism on Io and relates it back to volcanos found on Earth. Volcanoes helped to transform the surface of the Earth, the other terrestrial planets, and the moon. However, the biggest volcanic eruptions in the solar system are taking place not on Earth, but on Io, a moon of Jupiter. This wonder of the solar system is a fascinating volcanic laboratory where powerful volcanic eruptions result from tidal heating, a process that also affects the ice-covered moon Europa. Despite multiple spacecraft visits and spectacular new observations of Io with large Earth-based telescopes, some of the biggest questions about Io's volcanism remain unanswered. Getting the answers requires an understanding of the difficulties of remote sensing of volcanic activity; a new, innovative approach to instrument design; and ultimately a return to Io. Ashley Davies describes how studying volcanoes on Earth leads to a clearer understanding of how Io's volcanoes work and how best to study them from spacecraft. Davies received a doctorate in volcanology from Lancaster University, United Kingdom, in 1988 and has been at JPL for more than 20 years. He was a member of the Galileo near-infrared mapping spectrometer team; is a co-investigator on the Europa Clipper mapping imaging spectrometer; has written more than 100 papers on observing and understanding volcanic processes; and is the author of Volcanism on Io - A comparison with Earth. He continues to be engaged in research into volcanic eruption processes, spacecraft mission and instrumentation development, and field work on volcanoes around the world. He was a co-recipient of the NASA Software of the Year Award for the successful Autonomous Sciencecraft (demonstrating science-driven full spacecraft autonomy). Introduced by Marc Razze.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo x8, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live 1 Cam

JPL-20171001-WHAT'SUf-0001 **What's Up October 2017**

Date:	10/1/17	Duration:	00:02:21:09*

Monthly series for amateur astronomers. October 2017 features: viewing Venus, Mars, Uranus, the Moon and asteroid 7 Iris. Red stars Aldebaran, Antares and Betelgeuse. The Orionid meteor shower. International Observe the Moon Night (October 28).

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171011-OCOf-0002 **NASA Pinpoints Cause of Earths Recent CO2 Spike - Video File**

Date:	10/11/17	Duration:	00:07:05:08

New research from NASA's Orbiting Carbon Observatory (OCO-2) satellite shows that the impact of heat and drought during the 2015-16 El Niño on Earth's tropical regions were responsible for the largest increase in atmospheric CO2 in at least 2,000 years. Animations: global carbon dioxide coverage and change as observed by OCO-2 (9/6/14-3/31/17), OCO-2 data showing summertime changes in carbon dioxide, OCO-2 satellite tracking global carbon dioxide data. Footage: aerial view and driving through Amazon rainforest. Interview excerpts: Annemarie Eldering, OCO-2 Deputy Project Scientist.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171012-OCOf-0001 **NASA Carbon Science Results**

Date:	10/12/17	Duration:	00:35:06:05

Michael Freilich, Director, Earth Science Division NASA HQ; Annmarie Eldering, OCO-2 Deputy Project Scientist; Junjie Liu, Research Scientist; Scott Denning, Professor of Atmospheric Science, Colorado State University.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo x8, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Sat/Air Chk

JPL-20171019-M2020f-0001 **Access Mars**

Date:	10/19/17	Duration:	00:01:11:02

Edited piece about how users can explore Mars virtually using images captured by MSL Curiosity. This included collaborating with Google. Victor Luo, Project Lead; Ryan Burke, Creative Producer at Google; Sasha Samochina, Visualization Producer; Alice Winter, User Researcher.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, stereo, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171019-VKLECTf-0001 **Safeguarding CAs Water Supply with NASA Tech**

Date:	10/19/17	Duration:	01:05:45:09

Signals analysis engineer Cathleen Jones discusses the high-resolution, airborne radar that identifies hazards before they can become disasters. Among the U.S. states, California is atypical in that it has highly variable annual precipitation â€" leading to major droughts and floods â€" as well as a great disparity between where and when the precipitation falls, where people live, and where crops are grown. To deal with these issues, California has a vast array of infrastructure to store, channel and convey water throughout the state, much of which also serves to protect against floods. Monitoring and maintaining the infrastructure that carries our water where it is needed is both critical and an enormous undertaking, involving local, state and federal resources. Even today, most of the monitoring is done through visual inspection from motor vehicles or on foot, a formidable task that affords neither frequent nor comprehensive measurements. Researchers at JPL are working to change that, using techniques developed for Earth science to measure Earth surface deformation using airborne radar. This game-changing technology has been applied to detect subsidence (sinking) of sections of the California Aqueduct during the recent drought and to identify levees that are subsiding in the Sacramento delta. Dr. Cathleen Jones main research is focused on applying radar remote sensing to a variety of hazards. Her work includes developing methods to identify threats to levees, dams, and aqueducts; measuring subsidence in New Orleans; tracking and characterizing oil spills; and identifying ways in which the 2010 Gulf oil spill impacted land loss in coastal Louisiana. She has been working in the Radar Science and Engineering section at JPL since 2004, and currently is a member of the NASA-ISRO Synthetic Aperture Radar Mission Science Definition Team, leading the Applications subgroup. Introduced by Marc Razze.

Master:	File	Sub-Master:	N/A
Audio 1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20171101-JPLf-0001 **Pumpkin Carving Contest**

Date:	11/1/17	Duration:	00:02:12:09

Edited piece about the 2017 pumpkin carving contest. Contestants are given one hour to carve their pumpkins.

Master:	File	Sub-Master:	N/A
Audio 1:	MPEG-4 AAC-LC (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171101-WHAT'SUf-0001 **What's Up November 2017**

Date:	11/1/17	Duration:	00:02:39:20

Monthly series for amateur astronomers. November features: Viewing the moon, star clusters (the Pleiades, M35, and the Beehive Cluster), and a close pairing of Venus and Jupiter. Plus, three meteor showers: the Leonids, the northern and southern Taurids, and the Orionids.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171102-TECHf-0001 **Drone Race Human vs Machine**

Date:	11/17/17	Duration:	00:01:48;14*

A drone guided by A.I. (artificial intelligence) is raced against a drone piloted by a human in a demonstration of drone autonomy.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171116-VKLECTf-0001 **The NASA Mars 2020 Rover Mission**

Date:	11/16/17	Duration:	01:43:50;24*

Ken Williford, Deputy Project Scientist for Mars 2020 and Director for the JPL Astrobiogeochemistry Laboratory; Four years from now, NASA and JPL will once again rove the red planet with Mars 2020. This time mission objectives include exploration of extremely ancient habitats to enable the collection of a set of samples that could one day be returned to Earth. Analysis of carefully selected samples from Mars in laboratories on Earth would transform planetary science and the search for extraterrestrial life.

Master:	File	Sub-Master:	N/A
Audio 1:	24-bit Integer (48.0 kHz, mono x2, 24 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20171120-ASTRDSf-0001 **Asteroid 1I2017U1 Web Video**

Date:	11/20/17	Duration:	00:03:15;15*

Edited video about the first interstellar asteroid and how it was discovered. Paul Chodas, Manager of NASA's Center for near Earth Object Studies; Kelly Fast, Program manager for NASA's Near-Earth Object Observations Program; Lindley Johnson, Planetary Defense Officer NASA. The asteroid was formally named 'Oumuamua. It poses no risk as it exits the solar system.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171120-ASTRDSf-0002 **Asteroid 1I2017U1 VF**

Date:	11/20/17	Duration:	00:03:58;23

Slug: Solar System's First Interstellar Visitor Dazzles Scientists. New data reveal the first detected interstellar object to be rocky, cigar-shaped, with a somewhat reddish hue. The asteroid, named 'Oumuamua by its discoverers, is up to one quarter mile long and highly elongated-perhaps 10 times as long as it is wide. That aspect ratio is greater than that of any asteroid or comet observed in our solar system to date. While its elongated shape is quite surprising, and unlike asteroids seen in our solar system, it may provide new clues into how other solar systems formed. The interstellar object had been wandering through the Milky Way, unattached to any star system, for hundreds of millions of years before its chance encounter with our star system.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171130-EARTHf-0001 **DIY Glacier Modeling with Virtual Earth System Laboratory**

Date:	11/30/17	Duration:	00:02:03;21*

Eric Larour, JPL Climate Scientist, explains the NASA research tool "VESL" -- Virtual Earth System Laboratory -- that allows anyone to run their own climate experiment. The user can use a slider to simulate and increase or decrease in the amount of snowfall on a particular glacier then see a video of the results, including the glacier melting's effect on sea level.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171201-WHAT'SUf-0001 **What's Up December 2017**

Date:	12/1/17	Duration:	00:02:18:05

Monthly series for amateur astronomers. December 2017 features: The Geminids, the best meteor shower of the year. A second meteor shower: the Ursids. Identifying the circle of bright stars surrounding Gemini.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171206-INVENTf-0001 **Students JPL Engineers Compete in 20th Annual Invention Challenge**

Date:	12/6/17	Duration:	00:07:29;19*

Video File. In December 2017 students from as far away as Tanzania and Ethiopia competed in the annual Invention Challenge hosted by JPL. Twenty-four middle and high-school teams, plus four teams of JPL engineers and scientists, competed in the "Wiffle Ball Loft Contest." The objective was to create a device that can put up to 10 wiffle balls into a plastic tub located 19 feet, 8 inches (6 meters) away within one minute. The winner--Diamond Bar High School--was the team whose device placed the most wiffle balls into the tub.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171207-M2020f-0001 **Engineering for Mars Behind the Scenes 360 2020 Rover Descent Stage Assembly**

Date:	12/7/17	Duration:	00:03:03;02

Peer over the shoulders of our engineers as they build hardware for NASA's Mars 2020 mission. This 360 video transports you to the historic Spacecraft Assembly Facility at the agency's Jet Propulsion Laboratory in Pasadena, California. Engineer Emily Howard narrates as you walk around the cruise stage, which will fly the 2020 rover to the Red Planet, and the descent stage, which will lower the rover to the Martian surface.

Master:	File	Sub-Master:	N/A
Audio 1:	Uncompressed (48.0 kHz, 4 Chans, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171211-DAWNf-0001 **The Bright Stuff on Ceres New Findings cc**

Date:	12/11/17	Duration:	00:02:29:24

Nathan Stein, Doctoral Researcher at Caltech, and Jennifer Scully, JPL Research Scientist, discuss new findings on Ceres discovered by the Dawn spacecraft.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171211-DAWNf-0002 **Bright Material on Ceres Video File CC**

Date:	12/11/17	Duration:	00:05:19;01

While Ceres' surface is generally quite dark, scientists with NASA's Dawn mission have been fascinated with surface features that stand out in brightness. More than 300 of these bright areas have been located on the surface of the dwarf planet. Now, scientists have a better sense of how these reflective areas formed and changed over time - processes indicative of an active, evolving world. Features: Nathan Stein, Doctoral researcher at Caltech; Jennifer Scully, Research Scientist at JPL.

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Edited

JPL-20171214-VKLECTf-0001 **NASAs Water Weight Watchers CC**

Date:	12/14/17	Duration:	01:07:27:00

Dr. Felix Landerer presents a talk on the global water cycle. The original Gravity Recovery and Climate Experiment, or GRACE mission, which began orbiting Earth in March 2002, has provided Earth scientists with an unprecedented view of changes in our global water cycle, and allowed precise determination of sea-level rise, ice mass-loss in Greenland and Antarctica, and large-scale water storage changes over land. These discoveries provide a unique view of Earth's climate and have far-reaching benefits to society. The twin satellites of the GRACE Follow-On mission, scheduled for launch in early 2018, will continue this extremely successful work, while also testing a new laser technology designed to improve the already remarkable precision of its microwave measurement system. This talk presents the fascinating technology behind gravity measurements from space, review some of the most exciting and surprising findings from GRACE and provide a peak into what might lie ahead with GRACE Follow-On. Dr. Felix Landerer is a research scientist at NASA's Jet Propulsion Laboratory. He earned a degree in Geophysics from the University of Kiel, a doctorate in Physical Oceanography from the Max Planck Institute for Meteorology in Hamburg, Germany, and was a NASA Postdoctoral Fellow at JPL from 2008 to 2010. He studies Earth's constantly changing hydrosphere by using data from various satellites to understand global and regional sea level variations and provide relevant data for water availability in a changing climate. He has published numerous high-impact scientific papers on these topics and is currently the Deputy Project Scientist for the GRACE Follow-On project. Introduced by Marc Razze.;

Master:	File	Sub-Master:	N/A
Audio 1:	16-bit Little Endian (48.0 kHz, stereo, 16 bit)	Audio 2:	N/A
Resolution:	HD	Type:	Live Multi-Cam

JPL-20180101-WHATSUf-0001 **Whats Up January 2018**

Date: 1/1/18 Duration: 0:02:10

Quadrantid meteors January 3-4, a West Coast-favoring total lunar eclipse, and time to start watching Mars!

16-bit 1920x1080 Edited

JPL-20180110-EXPLORf-0001 **Explorer 1 Americas First Satellite and the Future of Exploration**

Date: 1/10/23 Duration: 0:01:51

What did the launch of Explorer 1, America's first satellite, mean for the lab that designed it and the nation's space program? Michael Watkins, director of NASA's Jet Propulsion Laboratory, reflects on 60 years of space science and looks forward to new challenges. For more information on Explorer 1, visit https://explorer1.jpl.nasa.gov

24-bit 3840x2160 Edited

JPL-20180122-EXPLORf-0001 **60th Anniversary Explorer 1**

Date: 1/22/18 Duration: 0:03:30

Against the backdrop of the 1950s Cold War, after the Soviet Union successfully launched Sputnik, Americans were determined to launch their own Earth-orbiting satellite. Flash back to events leading up to the successful launch of America's Explorer 1, and the beginnings of America's Space Age, as told through newsreel and documentary clips of the time.

16-bit 1920x1080 Edited

JPL-20180123-INSIGHf-0001 **Mars InSight Solar Array Deployment Test Timelapse**

Date: 01/23/18 Duration: 0:00:55

While in its landed configuration for the last time before arriving on Mars, NASA's InSight lander was commanded to deploy its solar arrays to test and verify the exact process that it will use on the surface of the Red Planet. During the test on Jan. 23, 2018, in a Lockheed Martin clean room in Littleton, Colorado, engineers and technicians evaluated that the solar arrays fully deployed and conducted an illumination test to confirm that the solar cells were collecting power. This time lapse video of the deployment is courtesy Lockheed Martin Space Systems. For more information about the InSight mission, visit http://insight.jpl.nasa.gov.

16-bit 3840x2160 Edited

JPL-20180125-EXPLORf-0001 **Explorer 1 Launching 60 Years of Space Science for NTV**

Date: 1/25/18 Duration: 0:59:00

Original air date: Jan. 25, 2018. Explorer 1 marked the start of the Space Age for America, and heralded the study of Earth from space. The JPL-built satellite confirmed the existence of the Van Allen radiation belts, the very first space science discovery. Explorer 1's success was only the first of an array of Earth missions that have mapped and probed our planet's lands, waters and atmosphere on scales ranging from the millimeter to global views. This conversation and multimedia journey spanned from the dawn of Earth space science to today's modern fleet that

is providing vital information in understanding the changes taking place on the only planet humans can yet call home. For more info on Explorer 1, please visit https://explorer1.jpl.nasa.gov

16-bit 1280x720 Live Multi-Cam

JPL-20180130-MSLf-0001 **Curiosity at Martian Scenic Overlook**

Date: 1/30/18 Duration: 0:1:53

Curiosity Project Scientist Ashwin Vasavada gives a descriptive tour of the Mars rover's view in Gale Crater. The white-balanced scene looks back over the journey so far. The view from "Vera Rubin Ridge" looks back over buttes, dunes and other features along the route. To see where the rover is now, visit https://mars.nasa.gov/msl/mission/whereistherovernow/

To aid geologists, colors in the image are white balanced so rocks appear the same color as the same rocks would on Earth.

Why? Click here:

https://go.nasa.gov/2Fs8tFd

16-bit 1920x1080 Edited

JPL-20180131-JPLf-0001 **Super Blue Blood Moon over NASAs Jet Propulsion Laboratory**

Date: 1/31/18 Duration: 0:00:35

Much of the western United States began the morning with the view of a super blue blood moon total eclipse. In this silent time lapse video, the complete eclipse is seen over NASA's Jet Propulsion Laboratory, located at the base of the San Gabriel Mountains near Pasadena, California.

Why was it called a Super Blue Blood Moon? It was the third in a series of “supermoons,” when the Moon is closer to Earth in its orbit – known as perigee – and about 14 percent brighter than usual. It was also the second full moon of the month, commonly known as a “blue moon.” The super blue moon passed through Earth’s shadow to give viewers in the right location a total lunar eclipse. While the Moon is in the Earth’s shadow it takes on a reddish tint, known as a “blood moon.” For more about JPL and all its space missions, visit https://jpl.nasa.gov

16-bit 1920x1080 Edited

JPL-20180131-MARSf-0001 **The Mars Report January 2018**

Date: 1/31/18 Duration: 0:02:32

In the first episode of a new JPL video series, we celebrate the 14th anniversary of the Opportunity rover, show you a recent panoramic view from the Curiosity rover, look at ice deposits spotted by the Mars Reconnaissance Orbiter and check out the latest test on the InSight lander, heading to the Red Planet in May 2018. The NASA Mars Report will bring you regular updates on Mars exploration. For information on all our Mars missions: https://mars.nasa.gov/

16-bit 1920x1080 Edited

JPL-20180201-WHATSUf-0001 **Whats Up February 2018**

Date: 2/1/18 Duration: 0:02:23

This month, in honor of Valentine's Day, we look at celestial star pairs and constellation couples.
16-bit 1920x1080 Edited

JPL-20180220-MARSf-0001 **Whats Inside Mars**
Date: 2/20/18 Duration: 0:01:00
We know what "The Red Planet" looks like from the outside -- but what's going on under the surface of Mars? Find out more in the 60-second video from NASA's Jet Propulsion Laboratory.
16-bit 1920x1080 Edited

JPL-20180222-VKLECTf-0001 **InSight-The First Mission To Thoroughly Study The Deep Interior of Mars**
Date: 2/22/18 Duration: 1:18:43
Jim Bell, Arizona State University.
Just over 40 years ago NASA launched a pair of robotic space missions on an audacious voyage: explore what was then almost the entire known outer solar system, and turn what were then mere points of light into full-fledged worlds in their own right. The resulting missions of Voyagers 1 and 2 have lived up to that audacity, and have rewritten the textbooks about our solar system. In this presentation, planetary scientist, author and Planetary Society President Jim Bell takes us on both a personal and scientific journey looking over Voyager's shoulders as we all discovered the wonders of Jupiter, Saturn, Uranus, Neptune and their panoply of rings and moons. And we'll also learn that their missions are not over, as they both continue to explore and transmit data on the space environment beyond the planets and between the stars. Through the Voyagers, and their discoveries, we have all entered the interstellar age.
Bell is currently a professor in the School of Earth and Space Exploration at Arizona State and is an adjunct professor in the Department of Astronomy at Cornell University in Ithaca, NY. He received his B.S. in planetary science and aeronautics from Caltech in 1987 and his M.S. and Ph.D. in geology and Geophysics from the University of Hawaii in 1992. Jim spent three years as a National Research Council postdoctoral research fellow at NASA's Ames Research Center from 1992 to 1995. His research group primarily focuses on the geology, geochemistry and mineralogy of planets, moons, asteroids and comets using data obtained from telescopes and spacecraft missions. Jim has a main belt asteroid named after him (8146 Jimbell), and was the recipient of the 2011 Carl Sagan Medal from the American Astronomical Society for excellence in public communication in planetary sciences.
24-bit 1280x720 Live Multi-Cam

JPL-20180226-MARSf-0001 **The Mars Report February 2018**
Date: 2/26/18 Duration: 0:01:49
NASA's Curiosity finds crystals, Opportunity celebrates her 5,000th day on Mars and the MarCO smallsats get solar arrays.
16-bit 1920x1080 Edited

JPL-20180228-MSLf-0001 **Curiositys New Drilling Technique**
Date: 2/28/18 Duration: 0:02:15

After more than a year without the use of the Curiosity Mars rover's drill, engineers have devised a workaround and tested it for the first time on the Red Planet. More testing of the drill method is planned for the future.
For more about this NASA mission, visit: http://mars.jpl.nasa.gov/msl

16-bit 1920x1080 Edited

JPL-20180301-WHATSUf-0001 **What's Up March 2018**

Date: 3/1/18 Duration: 0:02:27

At sunset, catch elusive Mercury, bright Venus, the Zodiacal Light, Mars, Saturn, and Jupiter between midnight and dawn.

16-bit 1920x1080 Edited

JPL-20180307-INSIGHf-0001 **Mars InSight Arrives at Vandenberg Air Force Base**

Date: 3/7/18 Duration: 0:00:40

NASA's InSight spacecraft arrived at Vandenberg Air Force Base, California, to begin final preparations for launch. InSight will be the first mission to look deep beneath the Martian surface, studying the planet's interior by listening for marsquakes and measuring its heat output. It will be the first planetary spacecraft to launch from this west coast launch facility. The launch period for InSight opens May 5, 2018 and continues through June 8, 2018. For more about the mission, visit https://mars.nasa.gov/insight .

16-bit 1920x1080 Edited

JPL-20180322-VKLECTf-0001 **Planning Cassinis Grand Finale A Retrospective**

Date: 3/22/18 Duration: 0:56:26

Speaker: Erick Sturm, JPL systems engineer, mission planning lead for Cassini
Mission planning is a core strength of JPL engineering, along with deep-space communications and navigation. This month's talk, by Cassini mission planner Erick Sturm, will provide a look back at the various scenarios and contingency plans the Cassini team made as they steered the spacecraft into unexplored space during its 2017 Grand Finale. Sturm will discuss how the possible scenarios -- some of which could have been mission-ending -- compared to the mission as it was actually flown, along with some science highlights from the finale.

24-bit 1280x720 Live Multi-Cam

JPL-20180328-MARSf-0001 **Are There Earthquakes on Mars**

Date: 3/28/18 Duration: 0:01:00

Are there earthquakes on Mars? Or rather, "marsquakes?" And what could they teach us about the Red Planet?

16-bit 3840x2160 Edited

JPL-20180329-INSIGHf-0001 **InSight Digging Deep into Mars News Briefing**

Date: 3/29/18 Duration: 0:59:45

NASA's Interior Exploration using Seismic Investigations, Geodesy and Heat Transport (InSight) lander will study the deep interior of Mars to learn how all rocky planets formed, including Earth

and its moon. The lander's instruments include a seismometer to detect marsquakes and a probe that will monitor the flow of heat in the planet's subsurface.
News briefing participants were:
• Thomas Zurbuchen, associate administrator for NASA's Science Mission Directorate in Washington
• Bruce Banerdt, InSight principal investigator at JPL
• Tom Hoffman, InSight project manager at JPL
• Jaime Singer, InSight instrument deployment lead at JPL
InSight will be the first planetary spacecraft to take off from the West Coast. It's scheduled to launch May 5 aboard a United Launch Alliance Atlas V rocket from Space Launch Complex-3 at Vandenberg Air Force Base in California. If pre-dawn skies are clear, the launch will be visible from Santa Maria to San Diego, California.
For more about the mission, visit https://mars.nasa.gov/insight

24-bit 1280x720 Live Multi-Cam

JPL-20180329-INSIGHf-0002 **InSight Mission Overview**
Date: 3/29/18 Duration: 0:02:31
NASA's next mission to Mars is weeks away from its May 2018 launch. InSight is more than a Mars mission. Its team members hope to unlock the mysteries of the formation and evolution of rocky planets, including Earth. For more about the mission, visit https://mars.nasa.gov/insight
16-bit 1920x1080 Edited

JPL-20180330-MARSf-0001 **The Mars Report March 2018**
Date: 3/30/18 Duration: 0:01:36
NASA's InSight arrives at Vandenberg AFB and readies for launch, Opportunity uses its abrasion tool for the first time in 300 sols, and Curiosity celebrates 2,000 Martian days on the Red Planet.
16-bit 1920x1080 Edited

JPL-20180401-WHATSUf-0001 **What's Up April 2018**
Date: 4/1/18 Duration: 0:02:05
The Moon, Mars and Saturn form a pretty triangle in early April. Lyrid meteors are visible late in the month, peaking high overhead on the 22nd. Through a telescope, Jupiter's cloud belts and Great Red Spot are easy to see. For more about all of NASA's missions, visit https://nasa.gov
16-bit 1920x1080 Edited

JPL-20180402-INSIGHf-0001 **InSight Media Reel 1**
Date: 4/2/18 Duration: 0:35:42
B-roll for media. NASA's InSight mission to Mars is scheduled to launch from the central California coast to the plains of Mars as early as May 5, 2018. This is the first launch to another planet from the West Coast. If the skies are clear, a whole new region of the country will witness the start of an interplanetary journey. InSight, which features a stationary lander and three primary science experiments, is the first mission to study the deep interior of Mars, as a way to

understand how rocky worlds, including our own Earth and Moon, formed. So while InSight is a Mars mission, it's much more than a Mars mission.
For more information about the InSight mission, visit:
mars.nasa.gov/insight/

16-bit 1920x1080 Edited

JPL-20180406-INSIGHf-0001 **West Coast Launch**
Date: 4/6/18 Duration: 0:02:09
NASA's InSight will be the first interplanetary launch from America's West Coast. Residents in some of California's coastal communities could get a front row seat. Here's when and where to see it.

16-bit 1920x1080 Edited

JPL-20180410-GRACFOf-0001 **GRACE FO Mission Overview**
Date: 4/10/18 Duration: 0:02:14
GRACE-Follow On (GRACE-FO) is a satellite mission scheduled for launch in May 2018. GRACE-FO will continue the work of the GRACE satellite mission tracking Earth's water movement around the globe. These discoveries provide a unique view of Earth's climate and have far-reaching benefits to society and the world's population.
For more information about this mission, visit https://www.nasa.gov/missions/grace-fo and https://gracefo.jpl.nasa.gov/

24-bit 1920x1080 Edited

JPL-20180412-VKLECTf-0001 **How Will Earths Ecosystems Survive Under a Changing Climate**
Date: 4/12/18 Duration: 1:09:38
Josh Fisher, JPL Scientist.
One of the largest uncertainties in projections of future climate change is how do terrestrial ecosystems (communities of land organisms and their environments) contribute to or help counteract the rise in atmospheric carbon dioxide. This is because terrestrial ecosystems can both absorb carbon (i.e., photosynthesis) and emit it (i.e., respiration, decomposition, combustion). Whether they absorb or emit carbon depends on a variety of factors, such as temperatures, moisture, nutrients, etc.

At JPL, we are using satellite remote sensing and sophisticated modeling to understand how Earth's carbon, water and nutrient cycles are linked and their impacts on the Earth system as a whole. In this talk, Fisher will give an overview of the latest remote-sensing datasets and model developments from JPL, and discuss new insights into the behavior and understanding of terrestrial ecosystems in a changing climate.

24-bit 1280x720 Live Multi-Cam

JPL-20180416-INSIGHf-0001 **MarCO Media Reel 1**
Date: 4/16/18 Duration: 0:03:18

B-roll for media. The rocket that will loft InSight beyond Earth will also launch a separate NASA technology experiment: two mini-spacecraft called Mars Cube One, or MarCO. These briefcase-sized CubeSats will fly on their own path to Mars behind InSight. They will be a first test of miniaturized CubeSat technology in deep space, which researchers hope can offer new capabilities to future missions.
For more information about the MarCO, visit:
jpl.nasa.gov/news/press_kits/insight/appendix/mars-cube-one/

16-bit 1920x1080 Edited

JPL-20180418-TESSf-0001 **TESS Launch Coverage by SpaceX**

Date: 4/18/18 Duration: 1:40:12

A Falcon 9 rocket lifts off at 6:51 p.m. EDT from Space Launch Complex 40 at Cape Canaveral Air Force Station carrying NASA's Transiting Exoplanet Survey Satellite, or TESS. It is the next step in the search for planets outside of the solar system and orbiting other nearby, bright stars. The mission is designed to find these planets, also known as "exoplanets," orbiting other nearby, bright stars periodically blocking their light while the planets transition across the astronomical object.

24-bit 1280x720 Sat/Air Chk

JPL-20180420-NEOWISf-0001 **NEOWISE Four Years of Asteroid and Comet Data**

Date: 4/20/18 Duration: 0:01:07

NASA's asteroid-hunting NEOWISE survey has observed or detected more than 29,000 asteroids in infrared light.

16-bit 1920x1080 Edited

JPL-20180426-MARSf-0001 **Bringing Mars Back to Earth**

Date: 4/26/18 Duration: 0:02:22

NASA and the European Space Agency are now working together to explore options for a pair of missions that could take the next steps to bring samples back from Mars.

16-bit 1280x720 Edited

JPL-20180430-GRACFOf-0001 **Pre Launch Briefing NASAs Next Earth Observing Mission The GRACE-FO Mission**

Date: 4/30/18 Duration: 0:58:10

At a NASA media briefing on April 30, scientists discussed an upcoming mission that will provide unique insights into Earth’s changing climate and have far-reaching benefits to society, such as improved water resource management. The Gravity Recovery and Climate Experiment Follow-On (GRACE-FO) mission will measure monthly changes in how mass is redistributed within and among Earth’s atmosphere, oceans, land and ice sheets. GRACE-FO’s pair of spacecraft are in final preparations for a California launch no earlier than Saturday, May 19.

24-bit 1280x720 Sat/Air Chk

JPL-20180430-GRACFOf-0002 **Twin Satellites to Weigh in on Earths Changing Water**

Date: 4/30/18 Duration: 0:08:44

Video file for media and public use. A U.S./German space mission to track the continuous movement of water and other changes in Earth's mass on and beneath the planet's surface successfully launched at 12:47 p.m. PDT, May 22, 2018, from the California coast.
The twin spacecraft of the Gravity Recovery and Climate Experiment Follow-On (GRACE-FO), a joint NASA/German Research Centre for Geosciences (GFZ) mission, lifted off on a SpaceX Falcon 9 rocket from Space Launch Complex-4E at Vandenberg Air Force Base in California, sharing their ride into space with five Iridium NEXT communications satellites.

16-bit 1920x1080 Edited

JPL-20180430-JPLf-0001 **Vice President Pence Visits NASA Jet Propulsion Laboratory VF**

Date: 4/30/18 Duration: 0:04:27

One week before NASA launches its next mission to Mars, US Vice President Mike Pence woured the agency's Jet Propulsion Laboratory in Pasadena, California on Saturday, April 28. JPL is the birthplace of numerous past, present and future robotic missions. Pence saw and heard more about JPL's missions, which support the nation's goals of furthering exploration of the Moon and Mars. JPL Director Mike Watkins led Pence and his guests on the tour.
Vice President Pence toured JPL's MIssion Control where engineers communicate with spacecraft across the solar system through NASA's Deep Space Network. While there, the Vice President's daughter Charlotte uplinked commands to the Mars Curiosity Rover to execute its next science activities. The signal took about seven minutes to reach the rover, which is currently about 80 million miles from Earth. Pence also saw the Spacecraft Assembly Facility, where the Mars 2020 mission hardware is currently being assembled in a giang "clean room." Mars 2020 will not only look for signs of habitable conditions on Mars in the ancient past, but will also search for signs of past microbial life itself.

24-bit 1280x720 Edited

JPL-20180501-WHATSUf-0001 **What's Up May 2018**

Date: 5/1/18 Duration: 0:02:57

Monthly series for amateur astronomers. May 2018 features: Mars InSight launch, Eta Aquarid meteor shower, Mars at opposition, Jupiter.

16-bit 1920x1080 Edited

JPL-20180502-TECHf-0001 **Crazy Engineering Grace FO**

Date: 5/2/18 Duration: 0:03:34

Crazy Engineering sees double! Twin satellites that will track water movement on Earth and test a new laser measurement technology.

16-bit 1920x1080 Edited

JPL-20180503-DSNf-0001 **A Visit to Goldstone October 2017**

Date: 5/3/18 Duration: 0:37:59

Joseph Statman narrates this edited piece about Goldstone.

16-bit 1920x1080 Edited

JPL-20180504-INSIGHf-0001 **NASA's First Mission to Study the Interior of Mars Awaits Launch**

Date: 5/4/18 Duration: 0:11:01

Pre-launch video file. InSight's launch to Mars is scheduled for as early as May 5, 2018. Animations: Launch visibility. EDL. Instrument deployments. HP3. Detecting a marsquake. MarCO cubesats. Video: InSight being built at Lockheed Martin Space, Denver. Atlas V rocket and encapsulated InSight spacecraft. How the Atlas V performs this mission.

16-bit 1920x1080 Edited

JPL-20180504-INSIGHf-0002 **InSight Tower Rollback Timelapse**

Date: 5/4/18 Duration: 0:00:21

Timelapse video of tower rollback prior to InSight launch on May 5, 2018.

16-bit 1920x1080 Edited

JPL-20180505-INSIGHf-0001 **NASA InSight on Its Way to Mars**

Date: 5/5/18 Duration: 0:04:26

Making history as the first interplanetary launch from the West Coast, NASA's InSight spacecraft is now soaring towards Mars. The spacecraft, which lifted off from Vandenberg Air Force Base in Central California, will be the first mission to study the deep interior of Mars. Its instruments include a seismometer to detect marsquakes for the first time, and a heat flow probe that will embed itself as deep as about 16 feet (5 meters) below the surface of Mars.

24-bit 1920x1080 Edited

JPL-20180505-INSIGHf-0002 **NASA InSight on Its Way to Mars Recap**

Date: 5/5/18 Duration: 0:01:25

Go, Atlas. Go, Centaur. Go, InSight! NASA's InSight mission launched from Vandenberg Air Force Base for Mars on May 5, 2018—the first interplanetary launch from the West Coast. InSight is expected to land on the Red Planet on Nov. 26, 2018. More than a mission to Mars, InSight will help scientists understand the formation and early evolution of all rocky planets, including Earth. For more, visit https://mars.nasa.gov/insight

16-bit 1920x1080 Edited

JPL-20180505-INSIGHf-0003 **InSight Launch Coverage on NASA TV**

Date: 5/5/18 Duration: 2:26:34

NASA TV launch coverage of InSight. Features: Stephanie Martin, NASA Communications; Josh Finch, NASA Launch Commentator; Jim Green, Jim Bridenstine, NASA Administrator; Elyssa McBeth, ULA Atlas Operations Systems Engineer; Blair Allen, NASA Edge; Sue Smrekar, Insight Deputy Principal Investigator; Chris Giersch, NASA Edge; Joel Steinkraus, MarCO Lead Mechanical Engineer; Franklin Fitzgerald, NASA Edge; Stu Spath, InSight PM, Lockheed Martin; Annie Marinan, JPL; Bruce Banerdt, InSight Principal Investigator, JPL; Tori McLendon, NASA Communications; Tim Dunn, NASA Launch Director.

24-bit 1280x720 Sat/Air Chk

JPL-20180511-TECHf-0001 **Mars Helicopter Technology Demonstration**

Date: 5/11/18 Duration: 0:01:22

The Mars Helicopter is a technology demonstration that will travel to the Red Planet with the Mars 2020 rover. It will attempt controlled flight in Mars' thin atmosphere, which may enable more ambitious missions in the future.

16-bit 1280x720 Edited

JPL-20180514-CLIPPRf-0001 **Reanalyzing Old Data Reveals New Evidence at Europa**

Date:5/14/18 Duration: 0:02:31

Robert Pappalardo, Europa Clipper Project Scientist, and Margaret Kivelson, Scientist for Galileo and Europa Clipper missions, talk about the possibility of life on Europa.

16-bit 1920x1080 Edited

JPL-20180517-VKLECTf-0001 **Juno and the New Jupiter What Have We Learned So Far**

Date: 5/17/18 Duration: 1:35:41

Dr. Steve Levin – Juno Project Scientist and lead co-investigator for Juno's MicroWave Radiometer instrument

Juno is a solar-powered spacecraft which has been orbiting Jupiter since July 4, 2016. For a few hours every 53 days, Juno passes within a few thousand kilometers of the giant planet, and collects a wealth of new information about Jupiter. The data collected so far have revolutionized our understanding of Jupiter, and of giant planets in general. Dr. Steve Levin, Project Scientist for the Juno spacecraft, will present some of Juno's current science results on the planet's origins, interior structure, deep atmosphere, and magnetosphere, and discuss the science expected from Juno in the coming years.

24-bit 1280x720 Live Multi-Cam

JPL-20180521-GRACFOf-0001 **GRACE FO L1 Briefing**

Date: 5/21/18 Duration: 0:53:29

On May 21 a prelaunch briefing was held at Vandenberg Air Force Base in California for the GRACE Follow-On (GRACE-FO) mission, a joint mission with the German Research Centre for Geosciences (GFZ) that will provide critical measurements to help monitor the movement of water masses across the planet and mass changes within Earth itself. Monitoring changes in ice sheets and glaciers, underground water storage, and sea level provides a unique view of Earth's climate and has far-reaching benefits. The mission is planned to fly at least five years. The GRACE-FO spacecraft launches on May 22 at 3:47 p.m. EDT from Space Launch Complex-4E at Vandenberg with five Iridium NEXT communications satellites, as part of a commercial rideshare agreement. GFZ contracted GRACE-FO launch services from Iridium, and SpaceX is providing the Falcon 9 launch service.

24-bit 1280x720 Sat/Air Chk

JPL-20180521-GRACFOf-0002 **GRACE FO L1 Briefing Clean Feed**

Date: 5/21/18 Duration: 0:47:04

Clean Feed for: On May 21 a prelaunch briefing was held at Vandenberg Air Force Base in California for the GRACE Follow-On (GRACE-FO) mission, a joint mission with the German Research Centre for Geosciences (GFZ) that will provide critical measurements to help monitor the movement of water masses across the planet and mass changes within Earth itself. Monitoring changes in ice sheets and glaciers, underground water storage, and sea level provides a unique view of Earth's climate and has far-reaching benefits. The mission is planned to fly at least five years. The GRACE-FO spacecraft launches on May 22 at 3:47 p.m. EDT from Space Launch Complex-4E at Vandenberg with five Iridium NEXT communications satellites, as part of a commercial rideshare agreement. GFZ contracted GRACE-FO launch services from Iridium, and SpaceX is providing the Falcon 9 launch service.

24-bit 1280x720 Live Multi-Cam

JPL-20180522-GRACFOf-0001 **GRACE Follow On Launch Commentary from Vandenberg**

Date: 5/22/18 Duration: 1:15:11

A joint mission with the German Research Centre for Geosciences (GFZ), GRACE-FO will provide critical measurements that will be used together with other data to monitor the movement of water masses across the planet and mass changes within Earth itself. Monitoring changes in ice sheets and glaciers, underground water storage, and sea level provides a unique view of Earth's climate and has far-reaching benefits. The mission is planned to fly at least five years.

The satellites will launch on a SpaceX Falcon 9 rocket no earlier than 12:47 p.m. PDT (3:47 p.m. EDT) May 22 from Space Launch Complex-4E at Vandenberg. GRACE-FO will share its ride to orbit with five Iridium NEXT communications satellites as part of a commercial rideshare agreement.

JPL manages the GRACE-FO mission for the agency's Science Mission Directorate in Washington. GFZ contracted GRACE-FO launch services from Iridium, and SpaceX is providing the Falcon 9 launch service.

24-bit 1280x720 Live Multi-Cam

JPL-20180524-MARSf-0001 **The Mars Report May 2018**

Date: 5/24/18 Duration: 0:02:37

What's the latest news from Mars? NASA's InSight lander and MarCO CubeSats are on their way to the Red Planet, a tiny helicopter will hitch a ride with the Mars 2020 rover mission, and Curiosity's drill is back in business! For more Mars exploration updates, visit https://mars.nasa.gov .

16-bit 1920x1080 Edited

JPL-20180601-WHATSUf-0001 **What's Up June 2018**

Date: 6/1/18 Duration: 0:02:23

Monthly series for amateur astronomers. June 2018 features: viewing Venus, Mars, Jupiter, and Saturn plus Vesta, the brightest asteroid.

16-bit 1920x1080 Edited

JPL-20180604-CALf-0001 **NASAs Cold Atom Lab The Coolest Experiment in the Universe**

Date: 6/4/18 Duration: 0:02:46

A facility on the International Space Station is working to achieve the coldest spot in the universe. This ultracold laboratory will help scientists explore the fundamental nature of matter.

16-bit 1920x1080 Edited

JPL-20180607-MSLf-0001 **FB Live New Martian Science Results**

Date: 6/7/18 Duration: 1:02:20

From Goddard Space Flight Center and JPL.
Features: Dr. Michelle Thaller, NASA Astrophysicist; Dr. Paul Mahaffy, NASA Goddard Director of Solar System Exploration Division; Dr. Jennifer Eigenbrode, NASA Goddard Astrobiologist; Dr. Chris Webster, JPL Researcher; Ashwin Vasavada, MSL Science Team Lead.
Discusses methane on Mars.

24-bit 1280x720 Sat/Air Chk

JPL-20180613-MERf-0001 **Mars Dust Storm News**

Date: 6/13/18 Duration: 1:03:47

NASA's media teleconference discussed a massive Martian dust storm affecting operations of the agency's Opportunity rover and what scientists can learn from the various missions studying this unprecedented event.

The storm is one of the most intense ever observed on the Red Planet. As of June 10, it covered more than 15.8 million square miles (41 million square kilometers) -- about the area of North America and Russia combined. It has blocked out so much sunlight, it has effectively turned day into night for Opportunity, which is located near the center of the storm, inside Mars' Perseverance Valley.

Participants in the teleconference included:
· John Callas, Opportunity project manager, NASA's Jet Propulsion Laboratory, Pasadena, California
· Rich Zurek, Mars Program Office chief scientist, JPL
· Jim Watzin, director of the Mars Exploration Program at NASA Headquarters, Washington
· Dave Lavery, program executive at NASA Headquarters for the Opportunity and Curiosity rovers
The public can send questions on social media by using #askNASA.
For information about all of NASA's Mars missions, visit https://mars.nasa.gov

24-bit 1280x720 Stream

JPL-20180619-ECOSTRf-0001 **ECOSTRESS Mission Video**

Date: 6/19/18 Duration: 0:02:51

Overview of the ECOSTRESS mission going to the International Space Station. Features: Simon Hook, Principal Investigator, JPL; Josh Fisher, Science Lead, JPL; Kerry Cawse-Nicholson, ECOSTRESS Scientist, JPL.

24-bit 1920x1080 Edited

JPL-20180701-WHATSUf-0001 **What's Up July 2018**

Date: 7/1/18 Duration: 0:02:31

Monthly series for amateur astronomers. July 2018 features: Mars opposition on the 27th and Mars closest approach on the 31st.

16-bit 1920x1080 Edited

JPL-20180703-MARSf-0001 **The Mars Report July 2018**

Date: 7/3/18 Duration: 0:01:41

A dust storm continues to envelop the Red Planet and Curiosity's labs are back in action. For information on all our Mars missions: https://mars.nasa.gov/

16-bit 1920x1080 Edited

JPL-20180709-CASSINf-0001 **Sounds of Saturn Hear Radio Emissions of a Planet and Its Moon**

Date: 7/9/18 Duration: 0:01:15

New research from the up-close Grand Finale orbits of NASA's Cassini mission shows a surprisingly powerful interaction of plasma waves moving from Saturn to its moon Enceladus. Researchers converted the recording of plasma waves into a "whooshing" audio file that we can hear.

16-bit 1920x1080 Edited

JPL-20180711-ASTRDSf-0001 **Rare Double Asteroid Revealed**

Date: 7/11/18 Duration: 0:01:09

Web video about two asteroids that orbit each other. Each object is about 3,000 feet wide.

16-bit 1920x1080 Edited

JPL-20180711-ASTRDSf-0002 **Observatories Team Up to Reveal Rare Double Asteroid VF**

Date: 7/11/18 Duration: 0:04:33

New observations by three of the world's largest radio observatories have revealed that an "asteroid" discovered last year is actually a system of two objects, orbiting each other. They are each about 3000 feet (900 meters) in diameter. Asteroid 2017 YE5 was discovered with observations provided by the Morocco Oukaimeden Sky Survey on Dec 21 2017, but no details about the body's physical properties were known until June 2018. The new observations have provided the most detailed images ever obtained of a binary asteroid, which consists of two objects nearly identical in size that have not merged.

16-bit 1920x1080 Edited

JPL-20180712-VKLECTf-0001 **Walking on Mars**

Date: 7/12/18 Duration: 1:02:06

Mark Razze introduces this talk about VR and how one can experience the feeling of walking on Mars.

Features: Victor Luo, Operations Lab Lead; Abby Fraeman, MSL Scientist; Parker Abercrombie, OnSight Project Lead; Alice Winter, User Experience Researcher.

Virtual and augmented reality promise to transport us to places that we can only imagine. When joined with spacecraft and robots, these technologies will extend humanity's presence to real destinations that are equally fantastic. NASA's Operations Laboratory at JPL is spearheading several ambitious projects applying virtual and augmented reality to the challenges of space exploration. Through partnerships with multiple VR and AR companies, scientists on the Curiosity Mars Rover mission are exploring the Martian terrain, engineers are finding new ways to collaborate on 3D designs, and astronauts on the International Space Station are preparing to perform their work more efficiently than ever before. The lead of these projects at NASA will share their progress so far, the challenges that lie ahead, and their vision for the future of VR and AR in space exploration.

24-bit 1280x720 Live Multi-Cam

JPL-20180723-ASTRDSs-0001 **CNEOS with Labels 15fps**

Date: 7/23/18 Duration: 0:00:49

This animation represents a map of the increased count of all known asteroids in the solar system between Jan. 1, 1999, and Jan. 31, 2018. Blue represents near-Earth asteroids. Orange represents main-belt asteroids between the orbits of Mars and Jupiter. For more info about how NASA tracks and studies asteroids and comets, visit https://www.jpl.nasa.gov/asteroidwatch/ and https://cneos.jpl.nasa.gov/ .

Edited

JPL-20180725-TECHf-0007 **BRUIE Buoyant Rover for Under Ice Exploration Media Reel**

Date: 7/25/18 Duration: 0:08:32

Includes testing of two different version of a Buoyant Rover for Under Ice Exploration (BRUIE) in Barrow, Alaska in 2013, 2015, and 2018. Also: methane bubbling up through ice and snowmobiles traveling to test sites.

16-bit 1920x1080 Edited

JPL-20180731-MARSf-0001 **Mars Close Approach from Griffith Observatory Cutdown**

Date: 7/31/18 Duration: 0:01:57

Mars' closest approach to Earth in 2018 was the night of July 30-31. The Griffith Park Observatory in Los Angeles streamed a live 4-hour show from 10 p.m. to 2 a.m. This is a short overview that focuses on Mars, not on the presentations and celebrities that participated. Featured are Rich Zurek and Farah Alibay from JPL.

16-bit 1280x720 Edited

JPL-20180801-WHATSUf-0001 **What's Up August 2018**

Date: 8/1/18 Duration: 0:02:17

Monthly series for amateur astronomers. August features the Perseid meteor shower.

16-bit 1920x1080 Edited

JPL-20180809-VKLECTf-0001 **Spitzers Continuing Adventures**

Date: 8/9/18 Duration: 1:19:17

The Spitzer Space Telescope is one of NASA's Great Observatories, and was designed to observe the universe in infrared light. Launched in 2003 with an expected lifetime of 5 years, the 'scope is still making amazing discoveries in its 15th year of operations. Tonight, our guest will discuss some of the novel engineering feats that have been made to extend the operation of Spitzer, as well as some of the technical challenges that the team is now facing. We'll also see some recent science highlights, including science that Spitzer was never designed to do! Tonight's guest received his PhD in astronomy from Rensselaer Polytechnic Institute in 1995. Prior to arriving at Caltech in 2002, he worked at Boston College and the Air Force Research Laboratory helping to produce an infrared survey of the Galactic plane with the MSX satellite. At Caltech, he has worked at IPAC in various roles at the Spitzer Science Center, including leading the instrument support team for the Infrared Array Camera on Spitzer before becoming the manager of the Spitzer Science Center in 2016. He has diverse research interests, from exoplanets to massive star formation to near-Earth asteroids; he enjoys the challenges of calibrating infrared instruments; and he likes to give data away to the community in the form of large surveys of the plane of our Galaxy.

24-bit 1280x720 Live Multi-Cam

JPL-20180810-INSIGHf-0001 **InSight 360**

Date: 8/10/18 Duration: 0:03:24

Virtually explore a Mars simulation facility used by engineers to practice operating NASA's InSight lander, slated to launch in May 2018. Hear from engineer Marleen Martinez Sundgaard as you explore the In-Situ Instrument Lab at the Jet Propulsion Laboratory in Pasadena, California, and see how the spacecraft will deploy its seismometer. Not all browsers support viewing 360 videos. YouTube supports their playback on computers using Chrome, Firefox, Internet Explorer, and Opera browsers. Use the YouTube app to view it on a smart phone. For more about the mission, visit http://mars.nasa.gov/insight

16-bit 4096x2048 Edited

JPL-20180814-MARSf-0001 **The Mars Report August 2018**

Date: 8/14/18 Duration: 0:01:27

What's the latest news from Mars? A global dust storm is starting to settle, but still obscures the Martian surface; Curiosity turns six and drills a new rock sample; InSight is more than halfway to Mars and has tested its instruments and cameras.

16-bit 1920x1080 Edited

JPL-20180823-JPLf-0001 **JPL Go**

Date: 8/23/18 Duration: 0:01:13

From Space Age rockets to 21st-century robot explorers on Mars, NASA's Jet Propulsion Laboratory has blazed the trail through our Solar System and beyond for over 80 years. Today NASA/JPL continues its world-leading innovation with programs in planetary exploration, Earth science, space-based astronomy and technology development, while applying its capabilities to technical and scientific problems of national significance.
We dare mighty things. Learn more about our lab: https://www.jpl.nasa.gov/

16-bit 1920x1080 Edited

JPL-20180823-SPITZRf-0001 **15 Years in Space Spitzer Space Telescope**

Date: 8/23/18 Duration: 0:02:29

Initially scheduled for a 2.5-year primary mission, NASA's Spitzer Space Telescope has gone far beyond its expected lifetime -- and is still going strong after 15 years. Mission members reflect on some of Spitzer's most amazing and surprising discoveries. For more about the mission, visit http://www.spitzer.caltech.edu/ and https://www.nasa.gov/spitzer

16-bit 1920x1080 Edited

JPL-20180824-MARSf-0001 **How Did Mars Get Such Enormous Mountains**

Date: 8/24/18 Duration: 0:01:00

Why are the tallest peaks in the solar system found on one of its smallest worlds? Like any planet, how Mars looks outside is tied to what goes on inside. Dig into planetary formation in this 60-second video from NASA's Jet Propulsion Laboratory.

16-bit 1920x1080 Edited

JPL-20180827-TECHf-0001 **Mars Helicopter Media Reel**

Date: 8/27/18 Duration: 0:02:17

Animation of Mars Helicopter that will fly on the Mars 2020 mission, followed by scenes of testing a version of the helicopter in JPL's vacuum chamber.

16-bit 1920x1080 Edited

JPL-20180901-WHATSUf-0001 **What's Up September 2018**

Date: 9/01/18 Duration: 0:02:30

Monthly series for amateur astronomers. September 2018 features: the Milky Way and the constellations within it; viewing Venus, Mars, Jupiter, and Saturn; the Zodiacal light.

16-bit 1920x1080 Edited

JPL-20180906-MSLf-0001 **Curiosity Explores Vera Rubin Ridge 360 8k**

Date: 9/6/18 Duration: 0:01:20

NASA's Curiosity rover surveyed its surroundings on Aug. 9, 2018, producing a 360-degree panorama of its current location on Mars' Vera Rubin Ridge. The panorama includes skies darkened by a fading global dust storm and a view from the Mast Camera of the rover itself, revealing a thin layer of dust on Curiosity's deck. In the foreground is the rover's most recent drill target, named "Stoer" after a town in Scotland near where important discoveries about early life on Earth were made in lakebed sediments.

Important note: Not all browsers support viewing 360 videos/images. YouTube supports uploading and playback of 360 degree videos/images on computers using Chrome, Firefox, Internet Explorer, and Opera browsers. If your browser does not support 360, a static view of this same panorama image is available at https://go.nasa.gov/2wRvvnd

8192x4096 Edited

JPL-20180906-VKLECTf-0001 **NASA at 60 The Role of the Robots**

Date: 9/6/18 Duration: 1:31:40

A panel discussion on major exploration milestones and new developments to come will be held Thursday, Sept. 6 in von Karman and Friday, Sept. 7 at Caltech's Ramo Auditorium. Each talk begins at 7 p.m.

Much has changed about the way we explore space in the 60 years since NASA began operations on Oct. 1, 1958. Today's robotic spacecraft are beginning to experiment with laser communications, artificial intelligence and 3-D printed parts. But did you know some of the first spacecraft the U.S. sent to the Moon included parts made of wood, or that spacecraft used to record data on motorized magnetic tape recorders? Despite all the advances, one thing hasn't changed: we still rely on robotic spacecraft to extend our senses above and beyond Earth and to blaze a trail as precursors for human explorers. As NASA celebrates its 60th anniversary, this panel discussion will look back over the decades at how far our robotic exploration has come, and consider where we might be headed.

Part 1 of the program will focus on major milestones in robotic exploration, what it took to reach those accomplishments, how far we've come, and how spacecraft have changed over the years. Part 2 will focus on new developments to look for in robotic spacecraft in the next couple of decades. What demands will be placed on spacecraft, in terms of capabilities and destinations, that are different?

Moderator: Preston Dyches, JPL public outreach specialist.

Panel speakers:

Rob Manning

Julie Webster

Charles Norton

Anne Marinan

24-bit 1280x720 Live Multi-Cam

JPL-20180907-DAWNf-0001 **Dusk for Dawn NASA Mission to the Asteroid Belt**

Date: 9/7/18 Duration: 0:03:04

NASA's Dawn spacecraft turned science fiction into science fact by using ion propulsion to explore the two largest bodies in the main asteroid belt, Vesta and Ceres. The mission will end in fall 2018, when the spacecraft runs out of hydrazine, which keeps it oriented and in communication with Earth

16-bit 1920x1080 Edited

JPL-20180907-DAWNf-0002 **Dawn Mission to Small Worlds**

Date: 9/7/18 Duration: 0:59:00

Science chat about the upcoming end of mission for the Dawn spacecraft. Features: Gay Yee Hill; Jim Green, NASA Chief Scientist; Marc Rayman; Carol Raymond. Includes videos produced by JPL about Dawn, Ceres, Vesta, etc.

16-bit 1280x720 Live Multi-Cam

JPL-20180911-OMGf-0001 **OMG Media Reel**

Date: 9/11/18 Duration: 0:04:19

OMG Media Reel. The Oceans melting Greenland (OMG) mission is on its third annual campaign out of a planned five. Based out of Kulusuk, Greenland from August 23rd-August 29th, the team has dropped 89 out of 250 probes, starting at the southern tip of Greenland and working up the east coast.

24-bit 1920x1080 Edited

JPL-20180912-DAWNf-0001 **Dawn Media Reel**

Date: 9/12/18 Duration: 0:32:04

Media reel for end of Dawn mission includes animations, flyovers of Vesta and Ceres made from Dawn data, interviews with Chris Russell, original Principal Investigator; Marc Rayman, Dawn Mission Director and Chief Engineer; and Carol Raymond, Dawn Principal Investigator.

16-bit 1280x720 Edited

JPL-20181001-OMGf-0001 **OMG Mission Video**

Date: 10/01/18 Duration: 0:04:41

Edited piece about the mission objective for OMG and how much ice there is that could melt in Greenland. If it were all to melt, the oceans could rise up to 25 feet all around the world. Features Josh Willis, OMG Principal Investigator at JPL. Is the ocean itself speeding up the melting process of the icebergs?

24-bit 3840x2160 Edited

JPL-20181001-WHATSUf-0001 **Whats Up October 2018**

Date: 10/01/18 Duration: 0:02:07

Monthly series for amateur astronomers. In October, celebrate International Observe the Moon Night with your local astronomy club.

16-bit 1920x1080 Edited

JPL-20181004-VKLECTf-0001 **Mapping Disasters from Space**

Date: 10/04/18 Duration: 0:57:31

Earth Science Section Manager Susan Owen.

Space-based geodetic measurement techniques such as Interferometric Synthetic Aperture Radar (InSAR), Differential Global Positioning System (DGPS), and SAR-based change detection have recently become critical additions to our toolset for understanding and mapping the damage caused by earthquakes, volcanic eruptions, landslides, hurricanes and floods. The ability of space-based SAR to see through clouds to image changes on the ground made it a valuable data set in the Federal Emergency Management Agency's response last year to hurricanes Harvey, Irma and Maria. The large footprint of some of the current SAR missions

enables a synoptic view of the damage, both in urban and more remote areas, helpful in identifying damage outside of the main city centers following the 2015 Nepal earthquake and 2017 Mexico earthquakes.
The Advanced Rapid Imaging and Analysis (ARIA) project is focused on rapidly generating higher-level geodetic imaging products and placing them in the hands of the solid-Earth scientists and local, national, and international natural hazard communities by providing science product generation, exploration, and delivery capabilities at an operational level. Analyses of these data sets have been largely handcrafted following each event and are not generated rapidly and reliably enough for response to natural disasters or for timely analysis of large data sets. The ARIA project, a joint Caltech/JPL venture, has been capturing the knowledge applied to these responses and building it into an automated infrastructure to generate imaging products in near real-time that can improve situational awareness for disaster response.

16-bit 1280x720 Live Multi-Cam

JPL-20181010-TECHf-0001 **OnSight Virtual Visit to Mars**

Date: 10/10/18 Duration: 0:00:52

This mixed-reality software lets NASA scientists walk on Mars. OnSight takes real images of Mars from the Curiosity rover and turns them into a 3D landscape. Curiosity mission scientists can virtually study rocks and the rover's path or work together on Mars with scientists anywhere in the world. The software was developed by NASA JPL for the Microsoft HoloLens. In the future, OnSight will be adapted for the Mars 2020 rover.

16-bit 1920x1080 Edited

JPL-20181011-INSIGHf-0001 **Crazy Engineering Space Claw**

Date: 10/11/18 Duration: 0:02:58

Mike Meacham, Mechanical Engineer at JPL uses a claw machine to demonstrate what a similar instrument on the InSight spacecraft will do once it lands on Mars in November, 2018. Nicolas Haddad, Mechatronics Engineer at JPL, helps to explain.

16-bit 1920x1080 Edited

JPL-20181015-MARSf-0001 **Mars in a Minute How Do You Choose a Landing Site**

Date: 10/15/18 Duration: 0:00:59

So, you want to study Mars with a lander or rover – but where exactly do you send it? Learn how scientists and engineers tackle this question in this 60-second video from NASA's Jet Propulsion Laboratory.

16-bit 1920x1080 Edited

JPL-20181023-EARTHf-0001 **The Call of Science 360 Video**

Date: 10/23/18 Duration: 0:08:37

Join NASA Earth scientists for a 360-degree view of our planet as they head into the field to study ice in Greenland and coral reefs in Hawaii. You can stand with scientists on Arctic ice, fly above the ice sheet, glaciers and sea ice as part of Operation IceBridge, then head to Hawaii as scientists dive into Kaneohe Bay as part of NASA's CORAL mission.

16-bit 4096x2048 Edited

JPL-20181025-M2020f-0001 **Testing a Parachute for Mars**

Date: 10/25/18 Duration: 0:02:50

Watch as NASA tests a new parachute for landing the Mars 2020 rover on the Red Planet. On Sept. 7, NASA's ASPIRE project broke a record when its rocket-launched parachute deployed in 4-10ths of a second—the fastest inflation of this size chute in history. For more about the Mars 2020 mission, visit https://mars.nasa.gov/mars2020

16-bit 1920x1080 Edited

JPL-20181029-INSIGHf-0001 **InSight Media Reel 2 Updated**

Date: 10/29/18 Duration: 0:35:26

Animations. Timelapse of tower rollback. Launch on May 5, 2018. Cleanroom at Lockheed Martin Space. Solar array deployment test at LMS. Packing for shipment. Shipping to Vandenberg Air Force Base. Arrival at Vandenberg. Astrotech cleanroom at Vandenberg. Duplicate of InSight at JPL's In-Situ Instruments Lab. Self-hammering nail tests at Mars Yard and Caltech. Interview excerpts: Bruce Banerdt, Principal Investigator and Tom Hoffman, Project Manager.

16-bit 1920x1080 Edited

JPL-20181030-INSIGHf-0001 **Mars InSight NASA Mission to Study the Red Planet's Interior VF**

Date: 10/30/18 Duration: 0:09:42

Video file. 1. InSight launch on May 5, 2018, from Vandenberg Air Force Base, California. 2. InSight animations of instrument deployment on Mars. 3. InSight solar array deployment test in cleanroom at Lockheed Martin Space in Littleton, Colorado. 4. Microchip inscribed with more than 1.6 million names submitted by the public. Interviews: Tom Hoffman, Project Manager; Bruce Banerdt, Principal Investigator; Jaime Singer, Instrument Deployment Lead.

16-bit 1920x1080 Edited

JPL-20181030-KEPLERf-0001 **Reflections of NASAs Kepler Mission**

Date: 10/30/18 Duration: 0:01:51

The Kepler space telescope was NASA's first mission to take a survey of exoplanets in our galaxy. The mission revealed that there are more planets than stars in the Milky Way, many of them rocky like Earth, and others unlike anything found in our own Solar System. Three members of the Kepler team from NASA's Jet Propulsion Laboratory reflect on the mission.

16-bit 1920x1080 Edited

JPL-20181031-INSIGHf-0001 **Previewing the InSight Spacecrafts November 26th Landing on Mars**

Date: 10/31/18 Duration: 0:52:07

Hosted by Dwayne Brown, NASA Office of Communications. Features: Tom Hoffman, InSight Project Manager at JPL; Lori Glaze, Acting Director of Planetary Science Division at NASA HQ; Bruce Banerdt, InSight Principal Investigator at JPL; Sue Smrekar, Deputy Principal Investigator

at JPL; Hit from JPL's ISIL with Jaime Singer, InSight Instrument Deployment Lead at JPL. The team talks about what to expect with the spacecraft from launch, cruise, EDL and surface operations. Questions are taken from the audience.

24-bit 1280x720 Sat/Air Chk

JPL-20181031-INSIGHf-0002 **InSight Landing on Mars**

Date: 10/31/18 Duration: 0:03:15

When NASA's InSight descends to the Red Planet on Nov. 26, 2018, it is guaranteed to be a white-knuckle event. Rob Manning, chief engineer at NASA's Jet Propulsion Laboratory, explains the critical steps that must happen in perfect sequence to get the robotic lander safely to the surface.

16-bit 1920x1080 Edited

JPL-20181101-WHATSUf-0001 **What's Up November 2018**

Date: 11/1/18 Duration: 0:02:27

Monthly series for amateur astronomers. November brings planets, an asteroid, a comet and the Leonids.

16-bit 1920x1080 Edited

JPL-20181108-M2020f-0001 **Painting Cars for Mars**

Date: 11/8/18 Duration: 0:03:50

What does NASA do to get a rover ready for Mars? JPL's paint shop does a thousand different paint jobs a year. And while every piece of spacecraft that comes through the shop is important, one headed for the Red Planet adds a little extra oomph. For more about the Mars 2020 mission, visithttps://mars.nasa.gov/mars2020

16-bit 3840x2160 Edited

JPL-20181108-VKLECTf-0001 **The Deep Space Network**

Date: 11/8/18 Duration: 1:22:01

Moderated by Preston Dyches.
Les Deutsch – Deputy Director, JPL Interplanetary Network Directorate
Amy Smith – DSN Aperture Enhancement Project Manager
Michael Levesque – DSN Project Service Management & Operations Manager
How does NASA capture the faint whispers of spacecraft voyaging to far flung destinations across the solar system and beyond? The answer involves giant radio antennas, global cooperation, and a LOT of careful planning. NASA's Deep Space Network is a vital lifeline between Earth and the spacecraft that extend our senses outward. This panel-style discussion will share how the network turns radio waves into science and engineering data, along with plans for the DSN's future.

24-bit 1280x720 Live Multi-Cam

JPL-20181121-INSIGHf-0001 **InSight L5 Mission Briefing**

Date: 11/21/18 Duration: 0:45:57

Moderated by Veronica McGregor. Panelists include Thomas Zurbuchen, Associate Administrator of NASA Science Mission Directorate; Tom Hoffman, InSight Project Manager at JPL; Stu Spath, InSight Program Manager at Lockheed Martin; Rob Grover, InSight EDL Leat at JPL; Anne Marinan, MarCO-B Mission Manager at JPL. Q&A follows.

24-bit 1280x720 Live Multi-Cam

JPL-20181121-INSIGHf-0002 **InSight L5 Science Briefing**

Date: 11/21/18 Duration: 1:00:00

Moderated by Veronica McGregor. Panelists include: Lori Glaze, Acting Director of NASA's Planetary Science Division; Bruce Banerdt, InSight Principal Investigator at JPL; Sue Smrekar, InSight Deputy Principal Investigator at JPL; Philippe Laudet, SEIS Project Manager at CNES; Tilman Spohn, HP3 Principal Investigator at DLR. Q&A follows.

24-bit 1280x720 Live Multi-Cam

JPL-20181125-INSIGHf-0001 **InSight L1 Briefing**

Date: 11/25/18 Duration: 0:59:19

Moderated by Veronica McGregor. Panelists include: Thomas Zurbuchen, Associate Administrator of NASA Science Mission Directorate; Tom Hoffman, InSight Project Manager at JPL; Julie Wertz Chen, EDL Systems Engineer at JPL; Bruce Banerdt, InSight Principal Investigator at JPL. Q&A follows.

24-bit 1280x720 Live Multi-Cam

JPL-20181125-INSIGHf-0002 **InSight Team Q&A**

Date: 11/25/18 Duration: 0:59:20

Moderated by Stephanie Smith. Panelists include: Thomas Zurbuchen, Associate Administrator of NASA Science Mission Directorate; Sue Smrekar, InSight Deputy Principal Investigator at JPL; Philippe Laudet, SEIS Project Manager at CNES; Tilman Spohn, HP3 Principal Investigator at DLR; Jim Green, NASA Chief Scientist; Presentation by Jason Craig; Farah Alibay, InSight Payload Systems Engineer at JPL; Aline Zimmer, InSight EDL Systems Engineer at JPL; Ashitey Trebi-Ollennu, InSight Instrument Deployment System Ops Lead at JPL; Tim Priser; Quality Director at Lockheed Martin; Andy Klesh, MarCO Chief Engineer at JPL; Anne Marinan, MarCO-B Mission Manager at JPL.

24-bit 1280x720 Live Multi-Cam

JPL-20181126-INSIGHf-0001 **InSight EDL Commentary**

Date: 11/26/18 Duration: 1:29:54

Hosted by Gay Hill. Guests include: NASA Administrator Jim Bridenstine; Julie Wertz Chen, EDL Systems Engineer; Christine Szalai, EDL Systems Engineer; Tom Hoffman, InSight Project Manager; Tim Linn, EDL Manager and Deputy Program Manager for Insight at Lockheed Martin; Bruce Banerdt, InSight Principal Investigator; Rob Manning, JPL Chief Engineer; Michael Watkins, Director of JPL; Philippe Laudet, SEIS Project Manager at CNES; Hansjorg Dittus, DLR Executive Board Member; Ravi Prakash, InSight Systems Engineer at JPL.

24-bit 1280x720 Live Multi-Cam

JPL-20181126-INSIGHf-0002 **InSight Post Landing Briefing**

Date: 11/26/18 Duration: 0:59:28

Moderated by Veronica McGregor. Panelists include: NASA Administrator Jim Bridenstine; Michael Watkins, Director of JPL; Tom Hoffman, InSight Project Manager; Bruce Banerdt, InSight Principal Investigator; Andrew Klesh, MarCO Chief Engineer; Elizabeth Barrett, InSight Science Instruments Op Coordinator. Q&A follows.

24-bit 1280x720 Live Multi-Cam

JPL-20181126-INSIGHf-0003 **NASA Lands InSight on Mars**

Date: 11/26/18 Duration: 0:01:38

Highlight reel of MSA as InSight lands on Mars.

24-bit 1280x720 Edited

JPL-20181126-INSIGHf-0004 **InSight Landing VF**

Date: 11/26/18 Duration: 0:13:32

After a 6-month, 21-day journey, NASA's Insight spacecraft has landed on Mars - near its equator on the western side of a flat, smooth expanse of lava plain called Elysium Planitia. Confirmation of landing was received at the Jet Propulsion Laboratory in Pasadena, California. The signal affirming that InSight successfully completed its voyage was relayed to JPL via NASA's experimental Mars Cube One (MarCO) spacecraft.

The InSight mission will study the deep interior of Mars to learn how all rocky planets formed, including Earth. The lander's instruments include a seismometer to detect marsquakes, and a prove that will momitor the flow of heat from the planet's interior.

16-bit 1920x1080 Edited

JPL-20181201-WHATSUf-0001 **Whats Up December 2018**

Date: 12/1/18 Duration: 0:02:53

Monthly series for amateur astronomers. December brings the Geminids, a visible comet, and a fond farewell

16-bit 1920x1080 Edited

JPL-20181206-VOYAGEf-0001 **NASAs Voyager 2 Probe Enters Interstellar Space VF**

Date: 12/6/18 Duration: 0:08:20

For the second time in history, a human-made object has reached the space between the starts. NASA's Voyager 2 probe has crossed the boundary of the heliosphere and entered interstellar space, where the Sun's outflow of material stops and the interstellar medium begins. The spcacraft is slightly more than 11 billion miles (18 billion kilometers) from Earth. Mission operators can still communicate with Voyager 2 as it enters this new phase of its journey, but information takes about 16.5 hours to make the journey from the spacecraft to our planet. Its twin, Voyager 1, crossed the boundary and entered interstellar space in 2012.

16-bit 1920x1080 Edited

JPL-20181207-INSIGHf-0001 **NASAs InSight Hears the Sound of Mars News Telecon**

Date: 12/7/18 Duration: 0:57:41

Moderated by Jia-Rui Cook. With: Bruce Banerdt, InSight Principal Investigator at JPL; Thomas Pike, Short Period Seismometer Science Lead at Imperial College London; Don Banfield, Auxiliary Payload Sensor Subsystem (APSS) Science Lead at Cornell University; Lori Glaze, Acting Director of Planetary Science at NASA HQ.

24-bit 1280x720 Sat/Air Chk

JPL-20181207-INSIGHf-0002 **NASAs InSight Hears Martian Winds Video File**

Date: 12/7/18 Duration: 0:07:06

Video file for media and public use: NASA's InSight lander captured a haunting, low rumble caused by vibrations from the wind on Mars. It was estimated to be traveling between 10 to 15 mph (5 to 7 m/s) from northwest to southeast -- consistent with the direction of dust devil streaks that have been observed from orbit. These wind vibrations were detected by two very sensitive sensors: a seismometer sitting on the lander's deck and an air pressure sensor inside the lander. Both recorded the wind noise in different ways. The air pressure sensor -- part of a package called the Auxiliary Payload Sensor Subsystem (APSS), which will collect meteorological data - recorded these air vibrations directly. The seismometer recorded lander vibrations caused by the wind as it moved over the spacecraft's solar panels, each of which is 7 feet (2.2 meters) in diameter and sticks out from the sides of the lander like a giant pair of ears.

16-bit 1920x1080 Edited

JPL-20181207-INSIGHf-0003 **Sounds of Mars NASAs InSight Senses Martian Wind**

Date: 12/7/18 Duration: 0:01:39

Listen to Martian wind blow across NASA's InSight lander. The spacecraft's seismometer and air pressure sensor picked up vibrations from 10-15 mph (kph) winds as they blew across Mars' Elysium Planitia on Dec. 1, 2018.

The seismometer readings are in the range of human hearing, but are nearly all bass and difficult to hear on laptop speakers and mobile devices. Playback is suggested on a sound system with a subwoofer. Readings from the air pressure sensor have been sped up by a factor of 100 times to make them audible. For uncompressed .wav files, visit NASA.gov/sounds

For more about the InSight mission, visit mars.nasa.gov/insight .

Credit: NASA/JPL-Caltech/CNES/UKSA/Imperial College London/Oxford/ETH/Cornell

24-bit 1920x1080 Edited

JPL-20181210-VOYAGEf-0001 **Voyager 2 Enters Interstellar Space**

Date: 12/10/18 Duration: 0:02:50

Forty-one years after it launched into space, NASA's Voyager 2 probe has exited our solar bubble and entered the region between stars. Its twin, Voyager 1, made this historic crossing in 2012. Edward Stone, the Voyager mission's project scientist, and Suzanne Dodd, the mission project manager, discuss this major milestone and what's to come for the trailblazing probe. For

more about the Voyagers, including the Grand Tour of the Solar System and the Golden Record, visit https://voyager.jpl.nasa.gov

16-bit 1920x1080 Edited

JPL-20181212-M2020f-0003 **Mars 2020 Target: Jezero Crater**

Date: 12/12/18 Duration: 0:02:13

Animated flyover of Mars 2020's landing site Jezero Crater ("JEZZ-er-oh") narrated by Ken Farley, Lead Scientist.

16-bit 1920x1080 Edited

JPL-20181219-CALf-0001 **Cold Atom Lab The Coolest Experiment in the Universe**

Date: 12/19/18 Duration: 0:03:42

NASA's Cold Atom Laboratory on the International Space Station is regularly the coldest known spot in the universe. But why are scientists producing clouds of atoms a fraction of a degree above absolute zero? And why do they need to do it in space? Quantum physics, of course. Here's how CAL is helping scientists learn more about the physics behind things like miniaturized technology and the fundamental nature of the particles that make up everything we see.

16-bit 1920x1080 Edited

JPL-20181220-MARSf-0001 **Mars Report December 2018**

Date: 12/20/18 Duration: 0:01:48

NASA's InSight has been busy. After landing on the Red Planet, the mission sent home pictures and sound, then placed its first instrument on the planet's surface. Plus, find out what the Curiosity rover has been up to. For more Mars exploration updates, visit https://mars.nasa.gov

16-bit 1920x1080 Edited

JPL-20190101-WHATSUf-0001 **Whats Up January 2019**

Date: 1/1/19 Duration: 0:02:31

What's up in the sky for January 2019?

16-bit 1920x1080 Edited

JPL-20190110-VKLECTf-0001 **Red Planet Rovers and Insights**

Date: 1/10/19 Duration: 1:13:48

Get the scoop on the latest missions at Mars. This lecture will bring you up to speed on all things Mars, including: The biggest dust storm in a decade, rolling (and drilling) on "Rubin Ridge," a new rover under construction, and a recent arrival on Mars preparing to get down to business.

Speakers:

Abigail Fraeman

Mars Scientist, NASA-JPL

Elizabeth Barrett

Science/Instruments Operations Engineer, NASA-JPL

16-bit 1280x720 Live Multi-Cam

JPL-20190129-NASAf-0001 **Administrator Jim Bridenstine Watch This Space**

Date: 1/29/19 Duration: 0:19:15

During a recent visit to Johnson Space Center, NASA Administrator Jim Bridenstine sat down with astronauts Chris Ferguson and Sunita “Suni” Williams for an informal Q&A session about the Commercial Crew Program.

NASA's Commercial Crew Program has worked with several American aerospace industry companies to facilitate the development of U.S. human spaceflight systems since 2010. Both Ferguson and Williams were selected to fly on the Boeing CST-100 Starliner for the Commercial Crew Program – marking the first time that American astronauts will launch to the International Space Station from American soil on American-made spacecraft since the Space Shuttle Program ended in 2011.

16-bit 1280x720 Sat/Air Chk

JPL-20190201-WHATSUf-0001 **Whats Up February 2019**

Date: 2/1/19 Duration: 0:02:27

Monthly series for amateur astronomers. February's sky features: Mars, Cassiopeia and Pegasus all in the west after sunset all month; Canis Major, Orion and Taurus all in the south after sunset all month; the moon and Mars close together on Feb 10 at 8 PM; information about InSight and asteroid Bennu; Saturn, Venus and Jupiter in the southeast Feb 18 at 5:30 AM

16-bit 1920x1080 Edited

JPL-20190207-MSLf-0001 **Curiosity Departs Vera Rubin Ridge 360**

Date: 2/7/19 Duration: 0:01:30

NASA's Curiosity Mars Rover has already descended from Vera Rubin Ridge, a region of Mount Sharp that it has been exploring for more than a year. But before it left, the rover took a 360-degree panorama of the area depicting its last drill hole on the ridge (at a location called "Rock Hall"), a new region it will spent the next year exploring (the clay unit) and its last view of Gale Crater's floor until it starts ascending in elevation again.

Important note: Not all browsers support viewing 360 videos/images. YouTube supports uploading and playback of 360 degree videos/images on computers using Chrome, Firefox, Internet Explorer, and Opera browsers.

If your browser does not support 360, a static view of this same panorama image will be available on https://photojournal.jpl.nasa.gov/new . For more information about the mission, visit https://mars.nasa.gov/msl.

Credit: NASA/JPL-Caltech/MSSS

4096x2160 Edited

JPL-20190207-VKLECTf-0001 **The World of Scientific Ballooning**

Date: 2/7/19 Duration: 1:08:02

Human flight began with the balloon and today it is the last bastion of guerrilla science. Scientific ballooning provides a well-tested, reliable, low-cost, moderate-risk platform that helps prepare

the next generation of scientists, engineers, and instruments. "The World of Scientific Ballooning" will look at how our oldest flight technology actually paves the way for the future.

16-bit 1280x720 Live Multi-Cam

JPL-20190213-MERf-0001 **Opportunity NASA Rover Completes Mars Mission**

Date: 2/13/19 Duration: 0:03:51

Drive along with NASA's Opportunity Mars rover and hear the voices of scientists and engineers behind the mission. Designed to run for 90 days, the exploration spanned more than 15 years from 2004 to 2019. Along the way, it discovered definitive proof of liquid water on ancient Mars and set the off-world driving record. For more information on the Mars Exploration Rovers and all of NASA's Mars missions, visit mars.nasa.gov.
Credit: NASA/JPL-Caltech

16-bit 1280x720 Edited

JPL-20190213-MERf-0002 **Mars Opportunity Rover Mission is Complete Video File**

Date: 2/13/19 Duration: 0:14:22

Video file for media and public use. NASA announced the completion of the Mars Exploration Rover (MER) Opportunity's mission after a final attempt to command the rover. Opportunity last communicated with Earth on June 10, 2018, as a global dust storm blanketed the solar-powered rover's location on Mars. Opportunity landed at Meridiani Planum on Mars Jan. 24, 2004, at 9:05 p.m. PST (Jan. 25, 2004, at 12:05 a.m. EST). The golf-cart-sized rover has an initial goal of driving 700 yards (600 meters) and operating on the Red Planet for 90 Martian days (sols). Instead, Opportunity operated over 14 years, and traveled over 28 miles (45 kilometers).

16-bit 1920x1080 Edited

JPL-20190213-MERf-0003 **A Lifetime of Opportunity Mission Briefing**

Date: 2/13/19 Duration: 1:01:17

NASA announces "mission complete" for its Mars Exploration Rover (MER) Opportunity in a media briefing at 11 a.m. PST (2 p.m. EST) Wednesday, Feb. 13, from the agency's Jet Propulsion Laboratory (JPL) in Pasadena, California.

The briefing followed NASA's last planned attempts to communicate with Opportunity late Tuesday evening. The solar-powered rover last communicated with Earth June 10, 2018, as a planet-wide dust storm was blanketing the Red Planet.

Briefing participants included:

- Jim Bridenstine, NASA administrator, NASA Headquarters, Washington
- Thomas Zurbuchen, associate administrator of the Science Mission Directorate, NASA Headquarters
- Lori Glaze, acting director of the Planetary Science Division, NASA Headquarters
- Michael Watkins, director, JPL
- Steve Squyres, MER principal investigator, Cornell University, Ithaca, New York
- John Callas, MER project manager, JPL

· Matt Golombek, MER project scientist, JPL
· Abigail Fraeman, MER deputy project scientist, JPL
· Jennifer Trosper, Mars 2020 project systems engineer, JPL

24-bit 1280x720 Live Multi-Cam

JPL-20190214-M2020f-0001 **Mars2020 Build Update**

Date: 2/14/19 Duration: 0:01:52

Jennifer Trosper gives an update status on the Mars 2020 flight vehicle being built in SAF.

16-bit 1920x1080 Edited

JPL-20190301-WHATSUf-0001 **Whats Up March 2019**

Date: 3/1/19 Duration: 0:02:32

Monthly series for amateur astronomers. March's sky features: Jupiter and Saturn in the southeast before sunrise all month; 40th anniversary of Voyager 1's flyby of Jupiter; Spring equinox; beehive cluster about 600 light years away.

16-bit 1920x1080 Edited

JPL-20190314-VKLECTf-0001 **The Golden Age of Exoplanet Exploration**

Date: 3/14/19 Duration: 1:14:19

Since the discovery of the first exoplanet orbiting a sun-like star in 1995, several thousand more have been discovered. We've peered into the atmospheres of some, and we've found whole families of planets orbiting strange stars -- many in configurations starkly different from our own. We've learned a lot from NASA's Kepler mission, which launched 10 years ago and ceased operations in November 2018. A new NASA planet-hunting spacecraft called TESS, which began science operations as Kepler was winding down, will give us thousands of new discoveries in the coming years. And the Spitzer Space Telescope has provided us valuable insights into what these worlds might be like. This show will look at the state of exoplanet science and give us a view of what future discoveries may be around the corner.
Speakers:
Jessie Christiansen, Research Scientist at the Caltech/IPAC NASA Exoplanet Science Institute, Caltech
Karl Stapelfeldt, Chief Scientist, NASA Exoplanet Exploration Program Office, JPL

24-bit 1280x720 Live Multi-Cam

JPL-20190326-NASAf-0001 **National Space Council Meeting**

Date: 3/26/19 Duration: 2:37:45

From the U.S. Space and Rocket Center, Huntsville, AL. Vice President Mike Pence announces that NASA will send human missions to the moon by 2024.

24-bit 1280x720 Sat/Air Chk

JPL-20190326-TECHf-0001 **Mars Helicopter VF**

Date: 3/26/19 Duration: 0:05:06

In January 2019, NASA's Mars Helicopter technology demonstration was put through rigorous tests to verify it is ready for the Red Planet. While flying helicopters is commonplace here on

Earth, flying one, hundreds of millions of miles (kilometers) away in the thin Martian atmosphere, is something else entirely. The team recreated the gravity and flying conditions at Mars in JPL's Space Simulator, a 25-foot wide vacuum chamber. The helicopter hovered 2 inches (its target height) to fulfill its flight readiness requirement for Mars. The Mars Helicopter is scheduled to launch with the agency's Mars 2020 rover mission in July 2020 to demonstrate the viability and potential of heavier-than-air vehicles on the Red Planet.

16-bit 1920x1080 Edited

JPL-20190327-NASAf-0001 **NASA Science Live Going Interstellar**

Date: 3/27/19 Duration: 0:28:50

Suzy Dodd appears on the live program via satellite from JPL's 230 Dark Room.

24-bit 1280x720 Sat/Air Chk

JPL-20190401-WHATSUf-0001 **Whats Up April 2019**

Date: 4/1/19 Duration: 0:02:25

Monthly series for amateur astronomers. April's sky features: North Star, crescent moon with Pleiades cluster, Mars, and Aldebaran; Jupiter and Saturn

16-bit 1920x1080 Edited

JPL-20190402-OCOf-0001 **OCO3 Carbon**

Date: 4/2/19 Duration: 0:00:54

Edited piece about how OCO-3 will create a data set of carbon dioxide levels. Ralph Basilio, OCO-3 Project Manager; Annmarie Eldering, OCO-3 Project Scientist.

24-bit 3840x2160 Edited

JPL-20190402-OCOf-0002 **OCO3 SIF**

Date: 4/2/19 Duration: 0:00:41

Edited piece about how OCO-3 will measure carbon dioxide and photosynthesis in connection with the levels. Annmarie Eldering, OCO-3 Project Scientist; Nick Parazoo, OCO-3 Scientist.

24-bit 3840x2160 Edited

JPL-20190406-OCOf-0001 **OCO3 Mission Video Long**

Date: 4/6/19 Duration: 0:03:15

Overview video of the OCO-3 mission. Ralph Basilio, OCO-3 Project Manager; Annmarie Eldering, OCO-3 Project Scientist; Nick Parazoo, OCO-3 Scientist.

16-bit 1920x1080 Edited

JPL-20190406-OCOf-0002 **OCO3 Mission Video Short**

Date: 4/6/19 Duration: 0:02:25

Overview video of the OCO-3 mission. Ralph Basilio, OCO-3 Project Manager; Annmarie Eldering, OCO-3 Project Scientist; Nick Parazoo, OCO-3 Scientist.

24-bit 3840x2160 Edited

JPL-20190409-OCOf-0001 **OCO3 VF**

Date: 4/9/19 Duration: 0:06:04

Video file for media and public use. NASA is launching the Orbiting Observatory 3 no earlier than late April to add a new perspective to the agency's carbon observations. OCO-3 will extend the exceptionally accurate OCO-2 data set on atmospheric carbon dioxide, which began in July 2014, but with a more complete view of the tropics and mid-latitudes. Because OCO-3 is on the space station, it will collect data between 52 degrees north and 52 degrees south latitudes. The vast majority of Earth's cities and agricultural lands lie in this zone, creating most of our planet's carbon absorption and emissions.

OCO-3 also observes a very faint glow that plants emit during photosynthesis, called solar-induced fluorescence (SIF). Growing seasons are changing worldwide in ways that may affect global food security, and we need to keep a close eye on photosynthesis to understand these changes. In addition, OCO-3 will introduce a new "snapshot mode" to demonstrate the possibility of measuring local sources of carbon dioxide, such as cities and volcanoes.

16-bit 3840x2160 Edited

JPL-20190418-VKLECTf-0001 **The Future is Cloudy NASAs Look at Clouds and Climate**

Date: 4/18/19 Duration: 1:07:24

Earth is the most-observed planet in our system. Learn more about the fleet of satellites looking down at our skies, giving scientists a deeper understanding of our ever-changing clouds and their relationship to our climate.

Host:
Brian White
Speakers:
Kate Marvel – scientist, NASA Goddard Institute for Space Studies, Columbia University
Graeme Stephens – co-director of Center for Climate Sciences, PI for Cloudsat Mission
Brian Kahn – Atmospheric Infrared Sounder Cloud algorithm lead, JPL

24-bit 1280x720 Live Multi-Cam

JPL-20190423-INSIGHf-0001 **First Likely Marsquake Heard by NASAs InSight**

Date: 4/23/19 Duration: 0:01:09

This video and audio illustrates a seismic event detected by NASA's InSight on April 6, 2019, the 128th Martian day, or sol, of the mission. Three distinct kinds of sounds can be heard, all of them detected as ground vibrations by the spacecraft's seismometer, called the Seismic Experiment for Interior Structure (SEIS): There's noise from Martian wind; the seismic event itself; and the spacecraft's robotic arm as it moves to take pictures.

This event is the first likely marsquake recorded by the InSight team. Several other seismic events have been recorded but are much more ambiguous than this signal.

The audio underscores just how seismically noisy the Martian surface can be and was produced from two sets of sensors included with SEIS. You can hear sounds from the Very Broad Band sensors from your left speakers and sounds from the Short Period sensors from your right speakers. Audio from both sets of sensors have been sped up by a factor of 60; the actual vibrations on Mars would not have been audible to the human ear. Playback on headphones or speaker system recommended for best experience.

For more about the mission, please visit https://mars.nasa.gov/insight
Credit: NASA/JPL-Caltech/CNES/IPGP/Imperial College London

16-bit 1920x1080 Edited

JPL-20190501-WHATSUf-0001 **Whats Up May 2019**

Date: 5/1/19 Duration: 0:02:52

Monthly series for amateur astronomers. Eta Aquarid.

16-bit 1920x1080 Edited

JPL-20190502-MSLf-0001 **Climate Clues on a Martian Mountain**

Date: 5/2/19 Duration: 0:01:37

After spending the better part of a year exploring Mars' Vera Rubin Ridge, NASA's Curiosity Mars rover has moved to a new part of Mount Sharp. Project Scientist Ashwin Vasavada gives a tour of the rover's new home in the "clay unit," as well as other areas scientists are excited to visit. Find out what they could tell us about watery ancient Mars versus the dry Red Planet we see today.
For more about the mission, visit https://mars.nasa.gov/msl
Credit: NASA/JPL-Caltech/ESA/U of Arizona/JHUAPL/MSSS/USGS Astrogeology Science Center

16-bit 1920x1080 Edited

JPL-20190509-VKLECTf-0001 **CubeSats and Small Sat**

Date: 5/9/19 Duration: 1:10:46

A talk by Travis Imken, Systems Engineer, and Anne Marinan, Systems Engineer, about the increasing use of smaller satellites to gather science, presenting more opportunities for students to participate in the exploration of space and planetary bodies remotely from orbit including Mars. Introduced by Preston Dyches, Public Engagement Specialist.

24-bit 1280x720 Live Multi-Cam

JPL-20190523-CLIPPRf-0001 **Europa Mission Media Reel**

Date: 5/23/19 Duration: 0:07:10

The reel includes animation depicting NASA's Europa Clipper mission. The second animation in the reel depicts the proposed future mission concept Europa Lander.
For more information about Europa Clipper, visit:
europa.nasa.gov/
For more information about the Europa Lander proposed future mission concept, visit:
jpl.nasa.gov/missions/Europa-lander

16-bit 1920x1080 Edited

JPL-20190530-SPITZRf-0001 **Stars of Cephus as Seen by NASAs Spitzer Space Telescope**

Date: 5/30/19 Duration: 0:01:58

Soar through this cosmic landscape filled with bright nebulas, as well as runaway, massive and young stars. The image comes from NASA's Spitzer Space Telescope, which sees the universe

in infrared light. For more about Spitzer, visit https://www.nasa.gov/spitzer or http://www.spitzer.caltech.edu/ .
Credit: NASA-JPL/Caltech

16-bit 1920x1080 Edited

JPL-20190601-WHATSUf-0001 **Whats Up June 2019**
Date: 6/1/19 Duration: 0:02:52
Monthly series for amateur astronomers. Planets visible in the sky.

16-bit 1920x1080 Edited

JPL-20190605-INSIGHf-0001 **InSight A Plan to Get the Mole Moving**
Date: 6/5/19 Duration: 0:02:58
NASA InSight scientist/engineer Troy Hudson gives us the game plan for getting the mission's heat probe, also known as the "mole," digging again on Mars.
For more about the mission, visit:
nasa.gov/insight
and
mars.nasa.gov/insight/

16-bit 1920x1080 Edited

JPL-20190605-M2020f-0001 **Crazy Engineering MOXIE**
Date: 6/5/19 Duration: 0:03:11
Crazy Engineering explores a technology demonstration riding aboard NASA's Mars 2020 rover that's straight out of science fiction novels like "The Martian." It's an oxygen generator called MOXIE, designed to convert carbon dioxide — which constitutes about 96% of the Martian atmosphere — into breathable oxygen. This technology could evolve into bigger and more efficient oxygen generators in the future that would allow astronauts to create their own air to breathe and provide oxygen to burn rocket fuel needed to return humans to the Earth.
More information about Mars 2020 is at:
https://www.nasa.gov/mars2020

16-bit 1920x1080 Edited

JPL-20190606-TECHf-0001 **Mars Chopper Ready for a Spin on Mars**
Date: 6/6/19 Duration: 0:01:35
Can we fly on Mars?
The laws of physics may say it's near impossible, but actually flying a heavier-than-air vehicle on the Red Planet is much harder than that. NASA's Mars 2020 mission will deliver a technology demonstration that will put the idea to the test -- a helicopter that will perform controlled flight on Mars.
For more about NASA's Mars missions, visit:
nasa.gov/mars
and
mars.nasa.gov

24-bit 3840x2160 Edited

JPL-20190610-TECHf-0001 **Time Flies Deep Space Atomic Clock**

Date: 6/10/19 Duration: 0:01:48

NASA has perfected new navigation technology that would make self-driving spacecraft and GPS beyond the Moon a reality. The Deep Space Atomic Clock is the first atomic clock small and stable enough to fly on a spacecraft beyond Earth's orbit. As NASA works to put humans on Mars and the Moon, the clock's precise timekeeping will be key to these missions' success.
For more about the Deep Space Atomic Clock:
https://www.nasa.gov/mission_pages/tdm/clock/index.html

16-bit 1920x1080 Edited

JPL-20190620-VKLECTf-0001 **Such Stuff as Dreams are Made On**

Date: 6/20/19 Duration: 1:00:08

Walk through the life cycle of a mission from its start as a crazy idea, to concept, to development, construction, testing, and launch.
Host:
Brian White
Speaker:
Dr. Randii Wessen
JPL Systems Engineer
A-Team Lead Study Architect JPL Innovation Foundry

24-bit 1280x720 Live Multi-Cam

JPL-20190628-M2020f-0001 **Mars 2020 Terrain Relative Navigation**

Date: 6/28/19 Duration: 0:02:12

The Mars 2020 mission is facing the most challenging landing yet on the Red Planet. It will touch down on Feb. 18, 2021, in Jezero Crater, a 28-mile-wide (45-kilometer-wide) expanse full of steep cliffs, boulder fields and other things that could boobytrap the landing. A new technology called Terrain Relative Navigation (TRN) will allow the spacecraft to avoid hazards autonomously. It's the closest thing to having an astronaut piloting the spacecraft, and the technology will benefit future robotic and human exploration of Mars. For more information about Mars 2020, visit: https://mars.nasa.gov/mars2020/

16-bit 1920x1080 Edited

JPL-20190701-WHATSUf-0001 **Whats Up July 2019**

Date: 7/1/19 Duration: 0:03:19

As NASA marks the 50th anniversary of the Apollo 11 Moon landing, here are five things to know about the Moon that you can share with others: How far away is the Moon? How big is the Moon? What color is the Moon? Why do we always see the same side of the Moon? And what are the dark areas on the Moon?
Additional information about topics covered in this episode of What's Up, along with still images from the video and the video transcript are available at https://go.nasa.gov/2Xfp0tt

16-bit 1920x1080 Edited

JPL-20190702-TECHf-0001 **NASA Climbing Robot Scales Cliffs and Looks for Life**

Date: 7/2/19 Duration: 0:04:00

Robots can land on the Moon and drive on Mars, but what about the places they can't reach? Designed by engineers as NASA's Jet Propulsion Laboratory in Pasadena, California, a four-limbed robot named LEMUR (Limbed Excursion Mechanical Utility Robot) can scale rock walls, gripping with hundreds of tiny fishhooks in each of its 16 fingers and using artificial intelligence to find its way around obstacles. In its last field test in Death Valley, California, in early 2019, LEMUR chose a route up a cliff, scanning the rock for ancient fossils from the sea that once filled the area.

The LEMUR project has since concluded, but it helped lead to a new generation of walking, climbing and crawling robots. In future missions to Mars or icy moons, robots with AI and climbing technology derived from LEMUR could discover similar signs of life. Those robots are being developed now, honing technology that may one day be part of future missions to distant worlds. Read more: https://go.nasa.gov/2SaMjyT

16-bit 1920x1080 Edited

JPL-20190711-VKLECTf-0001 **Moon Struck Celebrating Apollos 50th Anniversary**

Date: 7/11/19 Duration: 1:29:00

As part of the intense, decade-long effort that led to human footprints on the lunar surface, NASA’s Jet Propulsion Laboratory launched a series of robotic precursors to the Moon. It proved a formidable challenge — the first six missions failed, putting at risk the laboratory’s ambitions to explore the solar system.

Meanwhile, Caltech — which operates JPL for NASA — established a laboratory in the mid-1960s to help develop the new techniques that would be needed for analyzing lunar samples. And once the Apollo 11 Moon rocks were on the ground, the Caltech researchers raced to contribute to the first stunning scientific results NASA shared with the world.

This event will focus on understanding the supporting roles these institutions played in one of humanity's greatest achievements, and consider what might lie ahead in exploring the Moon. Take a journey back in time to learn how JPL found its way to success in the early days of the space race and how both Caltech and JPL have contributed to exploring and understanding our nearest celestial neighbor.

Host: Preston Dyches

Speaker(s): Blaine Baggett, JPL Fellow and Emmy award-winning producer; Arden Albee, Caltech Professor of Geology and Planetary Science, Emeritus; John Casani, JPL veteran engineer of the Ranger and Surveyor era

16-bit 1280x720 Live Multi-Cam

JPL-20190712-M2020f-0001 **Pit Crews for Mars**

Date: 7/12/19 Duration: 0:01:16

A team of engineers at NASA's Jet Propulsion Laboratory in Pasadena, California, install the legs and wheels — otherwise known as the mobility suspension — on the Mars 2020 rover. The

imagery for this accelerated time-lapse was taken on June 13, 2019, from a camera above the Spacecraft Assembly Facility's High Bay 1 clean room.
JPL is building and will manage operations of the Mars 2020 rover for the NASA Science Mission Directorate at the agency's headquarters in Washington. For more information about the mission, go to: https://mars.nasa.gov/mars2020/.

Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20190725-M2020f **NASAs Mars 2020 Rover Does Biceps Curls Arm Testing Time Lapse**
Date: 7/25/19 Duration: 0:00:20
Time lapse video of robotic arm on NASA's Mars 2020 rover handily maneuvers 88-pounds (40 kilograms) worth of sensor-laden turret as it moves from a deployed to stowed configuration. For more information about the turret and the Mars 2020 mission, visit https://mars.nasa.gov/mars2020

16-bit 1920x1080 Edited

JPL-20190801-WHATSUf-0001 **Whats Up August 2019**
Date: 8/1/19 Duration: 0:02:14
Comet in the sky; Pleiades star cluster, Cassiopeia.

16-bit 1920x1080 Edited

JPL-20190808-VKLECTf-0001 **Small Worlds Big Science**
Date: 8/8/19 Duration: 1:29:00
Among the planets and far beyond are small worlds that hold clues to the formation of our solar system. NASA's robotic spacecraft allow us to visit comets, asteroids, and dwarf planets up close. We are just beginning to figure out what these places are like, what they are made of, and how they formed.
Host: Brian White - JPL Public Services Office Representative
Speaker: Carol Raymond - Dawn Principal Investigator and Manager of the JPL Small Bodies Program

16-bit 1280x720 Live Multi-Cam

JPL-20190822-INSIGHf-0001 **Rolling Stone Rock on Mars**
Date: 8/22/19 Duration: 0:00:41
The Rolling Stones get a rock named after them on Mars after InSight's rockets pushed a rock when it was descending to the planet.

16-bit 1920x1080 Edited

JPL-20190823-M2020f-0001 **Scientists Explore Outback as Testbed for Mars**
Date: 8/23/19 Duration: 0:00:43
Scientists from NASA's Mars 2020 mission and the European Space Agency-Roscosmos ExoMars mission are in the Australian Outback to hone research techniques before their

missions launch to the Red Planet in summer 2020. They are hoping to better understand how to search for signs of ancient life on Mars. The Pilbara region of North West Australia is home to “stromatolites,” the oldest confirmed fossilized lifeforms on Earth.
For more information about Mars 2020: https://mars.nasa.gov/mars2020/

16-bit 3840x2160 Edited

JPL-20190827-M2020f-0001 **Building NASAs Mars 2020 Rover**

Date: 8/27/19 Duration: 0:01:24

See NASA’s next Mars rover quite literally coming together inside a clean room at the Jet Propulsion Laboratory. This behind-the-scenes look at what goes into building and preparing a rover for Mars, including extensive tests in simulated space environments, was captured from March to July 2019. The rover is expected to launch to the Red Planet in summer 2020 and touch down in February 2021.
For more information on the Mars 2020 mission, go to: https://mars.nasa.gov/mars2020/

16-bit 3840x2160 Edited

JPL-20190827-M2020f-0002 **Name NASAs Next Mars Rover**

Date: 8/27/19 Duration: 0:00:49

The Mars 2020 Rover is preparing to launch to the Red Planet in July 2020, but it doesn't have a name yet. We're asking K-12 students across the United States to send in essays with their best name ideas by Nov. 1, 2019. For more information about the Mars 2020 rover naming contest, visit https://go.nasa.gov/name2020 .

16-bit 3840x2160 Edited

JPL-20190901-WHATSUf-0001 **Whats Up September 2019**

Date: 9/1/19 Duration: 0:02:47

Moon and other planets visible in the sky during September

16-bit 1920x1080 Edited

JPL-20190919-VKLECTf-0001 **It Broke A Story of How We Fixed It**

Date: 9/19/19 Duration: 1:18:53

This is a story of how JPL repaired and saved a spacecraft that was millions of miles away.
Host:
Brian White
Speaker:
Marc Rayman, mission director/chief engineer/project manager for Deep Space 1

16-bit 1280x720 Live Multi-Cam

JPL-20191001-WHATSUf-0001 **Whats Up October 2019**

Date: 10/1/19 Duration: 0:02:55

International Observe the Moon Night 2019; gas giants

16-bit 1920x1080 Edited

JPL-20191003-INSIGHf-0001 **NASA InSights Robotic Arm Helps Out its Mole on Mars**

Date: 10/3/19 Duration: 0:01:47

NASA's InSight lander on Mars is trying to use its robotic arm to get the mission's heat flow probe, or mole, digging again. InSight team engineer Ashitey Trebbi-Ollennu, based at NASA's Jet Propulsion Laboratory in Pasadena, California, explains what has been attempted and the game plan for the coming weeks. The next tactic they'll try will be "pinning" the mole against the hole it's in.

The German Aerospace Center (DLR) built the mole. It is designed to dig under the Martian surface to measure heat flowing out of the planet. Scientists want this data to learn how Mars and other rocky planets form.

For more about the mission, visit: https://www.nasa.gov/insight and https://mars.nasa.gov/insight/

16-bit 1920x1080 Edited

JPL-20191017-VKLECTf-0001 **Darkness Surrounds Us**

Date: 10/17/19 Duration: 1:10:44

Alina Kiessling - Astrophysicist, NASA-JPL & Jason Rhodes - Astrophysicist, NASA-JPL

All the material we can see is just a small fraction of the universe. The rest, a full 95%, is invisible and mysterious. These are the enigmatic dark matter and dark energy. While dark matter keeps things like galaxies together, dark energy acts in an opposite way – it pushes groups of galaxies apart and expands the universe itself. This event will discuss how astronomers are working to map the universe's dark matter so they can see the effects of dark energy.

16-bit 1280x720 Live Multi-Cam

JPL-20191028-EXOPLNf-0001 **Galaxy of Horrors Trailer**

Date: 10/28/19 Duration: 0:2:22

Lurking beyond our solar system, among the billions of stars and the exoplanets that orbit them, is another sort of Milky Way altogether. Our "Galaxy of Horrors" reveals the sinister science behind real worlds we've discovered in our galaxy. Free space poster downloads available on https://exoplanets.nasa.gov

16-bit 1920x1080 Edited

JPL-20191101-WHATSUf-0001 **Whats Up November 2019**

Date: 11/1/19 Duration: 0:03:05

Highlights of the November sky include how to watch as Mercury transits the Sun on Nov. 11, plus how to observe the regular dimming and brightening of the "Demon star," Algol, with your own eyes. Additional information, along with still images from the video, and the video transcript, are available at https://go.nasa.gov/34hp376 . Algol animation is licensed as CC-BY-SA 3.0. Video credit NASA-JPL/Caltech.

16-bit 1920x1080 Edited

JPL-20191106-VOYAGEf-0001 **Neptune Moondance**

Date: 11/6/19 Duration: 0:01:05

See how the odd orbits Neptune's inner moons Naiad and Thalassa enable them to avoid each other, as they race around the planet. Researchers call it a "dance of avoidance." An observer sitting on Thalassa would see Naiad in an orbit that varies wildly in a zig-zag pattern, passing by twice from above and then twice from below. This up, up, down, down pattern repeats every time Naiad gains four laps on Thalassa. This repeating pattern is called a resonance.
Marina Brozović, lead author of the new analysis, created this animation using Cosmographia, software made by NASA's Jet Propulsion Laboratory that is free to download. The analysis was conducted using Hubble Space Telescope observations.
https://naif.jpl.nasa.gov/naif/cosmographia.html.
Video credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20191113-M2020f-0001 **Mars Science Teams Investigate Ancient Life in Australia**

Date: 11/13/19 Duration: 0:03:03

Could Mars ever have supported life? In the Australian Outback, scientists from NASA's upcoming Mars 2020 mission and their counterparts from the joint European-Russian ExoMars mission visited the oldest convincing evidence for life on Earth to prepare for their own searches for signs of ancient life on Mars. The field lesson in astrobiology in the Pilbara region is being applied in the near term by NASA, ESA and Roscosmos for mission planning, and will also pay dividends when both rovers begin to send back science data and imagery from the Red Planet.
The launch window for Mars 2020 opens on July 17, 2020. It will land at Mars' Jezero Crater on Feb. 18, 2021. The launch window for ExoMars opens July 25, 2020. It will land Oxia Planum in March 2021.
For more information on the Mars 2020 mission, go to: https://mars.nasa.gov/mars2020/
Image credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20191114-VKLECTf-0001 **Looking Home OCO3 and Science from the ISS**

Date: 11/14/19 Duration: 1:03:01

Ralph Basilio: Project Manager, OCO-3
Matt Bennett: Project Systems Engineer, OCO-3
Karen Yuen: Science Data Applications and Communications Manager, OCO-3
Graziela Keller Rodrigues: Engineering Applications Software Engineer, OCO-3
We live on a dynamic, living planet. Land shifts. Seas rise. Volcanoes erupt. Storms rage. Snow melts. Plants grow. Cities expand. These ever-changing, interconnected systems affect Earth–our planet, our home. The best way to cope with these changes is to better understand them through NASA's unique perspective in space.
From its perch on the International Space Station, the Orbiting Carbon Observatory 3 (OCO-3), along with a suite of Earth-observing instruments, will improve our understanding of the interaction between carbon and climate. By mapping carbon dioxide over land and sea, OCO-3 gives scientists a better view of the global ecosystem and the health of our planet.

Join members of the OCO-3 project team for a night of science conversation, tales from the little mission that could, and a renewed charge for a changing future.

16-bit 1280x720 Live Multi-Cam

JPL-20191201-WHATSUf-0001 **Whats Up December 2019**

Date: 12/1/19 Duration: 0:02:02

What can you see in the December sky? Beautiful pairings of planets and the crescent Moon throughout the month, at sunrise and sunset. Here's where and when to look to see Venus, Saturn and Mars.

Additional information about topics covered in this episode of What's Up, along with still images from the video, and the video transcript, are available at https://solarsystem.nasa.gov/whats-up-skywatching-tips-from-nasa .

Credit: NASA-JPL/Caltech

16-bit 1920x1080 Edited

JPL-20191217-M2020f-0001 **First Test Drive Mars 2020 Rover**

Date: 12/17/19 Duration: 0:00:59

On Dec. 17, 2019, engineers took NASA's next Mars rover for its first spin. The test took place in the Spacecraft Assembly Facility clean room at NASA's Jet Propulsion Laboratory in Pasadena, California. This was the first drive test for the new rover, which will move to Cape Canaveral, Florida, in the beginning of next year to prepare for its launch to Mars in the summer. Engineers are checking that all the systems are working together properly, the rover can operate under its own weight, and the rover can demonstrate many of its autonomous navigation functions.

The launch window for Mars 2020 opens on July 17, 2020. The rover will land at Mars' Jezero Crater on Feb. 18, 2021.

For more information on the Mars 2020 mission, go to: https://mars.nasa.gov/mars2020/

Credit: NASA/JPL-Caltech

24-bit 3840x2160 Edited

JPL-20191223-M2020f-0001 **Mars 2020 Media Reel**

Date: 12/23/19 Duration: 0:39:22

B-roll for media. NASA's Mars 2020 rover is launching to the Red Planet in July or August 2020. It will land on Mars February 18, 2021.

NASA's Mars 2020 rover will search for signs of past microbial life, characterize the planet's climate and geology and collect samples for future return to Earth. Mars 2020 is also part of a larger program that includes missions to the Moon as a way to prepare for human exploration of the Red Planet. Charged with returning astronauts to the Moon by 2024, NASA will establish a sustained human presence on and around the Moon by 2028 through NASA's Artemis lunar exploration plans.

NASA's Jet Propulsion Laboratory in Pasadena, California, manages Mars 2020 rover development for NASA's Science Mission Directorate in Washington. NASA's Launch Services Program, based at the agency's Kennedy Space Center in Florida, is responsible for Mars 2020 launch management.

For more information on Mars 2020, visit: https://mars.nasa.gov/mars2020.

16-bit 3840x2160 Edited

JPL-20191223-TECHf-0001 **Mars Helicopter Media Reel for Media Day**

Date: 12/23/19 Duration: 0:07:23

B-roll for media. NASA's Mars Helicopter will be the first aircraft to fly on another planet. It will fly to Mars attached to the belly of NASA's Mars 2020 rover.

The Mars Helicopter is considered a high-risk, high-reward technology demonstration. If the small craft encounters difficulties, the science-gathering of the Mars 2020 mission won't be impacted. If the helicopter does take flight as designed, future Mars missions could enlist second-generation helicopters to add an aerial dimension to their explorations.

The Mars 2020 rover, with the Mars Helicopter aboard, will launch on a United Launch Alliance Atlas V rocket in July or August 2020 from Cape Canaveral Air Force Station in Florida. The rover will land at Jezero Crater on Mars Feb. 18, 2021.

JPL is building and will manage operations of the Mars 2020 rover and the Mars Helicopter for NASA. NASA's Launch Services Program, based at the agency's Kennedy Space Center in Florida, is responsible for launch management. Lockheed Martin Space provided the Mars Helicopter Delivery System.

For more information about Mars 2020 and the Mars helicopter, visit: https://mars.nasa.gov.

16-bit 3840x2160 Edited

JPL-20200101-WHATSUf-0001 **Whats Up January 2020**

Date: 1/1/20 Duration: 0:03:04

Monthly astronomy segment about what will be visible in the sky during the month of January.

16-bit 1920x1080 Edited

JPL-20200108-EXOPLNf-0001 **NASAs New Planet Hunter**

Date: 1/8/20 Duration: 0:02:04

A new NASA-funded planet-hunting instrument has been installed on the WIYN telescope, on Arizona's Kitt Peak. NEID (pronounced "NOO-id) is a spectrometer that is one of the first instruments of its kind with the precision to detect small, terrestrial planets around nearby stars. NEID will also confirm the presence of planets discovered by NASA's TESS space telescope, and reveal details of their anatomy. Eventually, scientists want to be able to find Earth-like planets around Sun-like stars, in an effort to find a world with life on it.

16-bit 1920x1080 Edited

JPL-20200115-SPITZRf-0001 **Unveiling the Universe**

Date: 1/15/20 Duration: 0:04:05

After 16 years of unveiling the infrared universe, NASA's Spitzer Space Telescope has left a singular legacy. As one of NASA's four Great Observatories -- a series of powerful telescopes including Hubble, Chandra and Compton that can observe the cosmos in different parts of the electromagnetic spectrum --Spitzer quickly became a pioneer in the exploration of the worlds beyond our human vision. From stars being born to planets beyond our solar system (like the

seven Earth-size planets around the star TRAPPIST-1), Spitzer's science discoveries will continue to inspire the world for many years to come.
For more information about the Spitzer Space Telescope, visit https://nasa.gov/spitzer and http://www.spitzer.caltech.edu/

16-bit 1920x1080 Edited

JPL-20200116-SPITZRf-0001 **The Legacy of the Spitzer Space Telescope VF**
Date: 1/16/20 Duration: 0:09:03
EOM for Spitzer Space Telescope.

16-bit 1920x1080 Edited

JPL-20200122-SPITZRf-0001 **The Legacy of the Spitzer Space Telescope Press Briefing**
Date: 1/22/20 Duration: 0:59:12
Marina Jurica-Preston moderates the panel to discuss the End of Mission (EOM) of the Spitzer Space Telescope. Panelists: Paul Hertz, NASA Director of Astrophysics; Suzanne Dodd, Former Project Manager, Spitzer Space Telescope; Joseph Hunt, Project Manager, Spitzer Space Telescope; Mike Werner, Project Scientist, Spitzer Space Telescope; Farisa Morales, Spitzer Space Telescope Scientist. Includes playback videos and visuals.

16-bit 1280x720 Live Multi-Cam

JPL-20200122-SPITZRf-0002 **Spitzer Media Reel**
Date: 1/22/20 Duration: 0:28:01
Media Reel - contains B-Roll of Spitzer's launch, tower rollback, animations of the mission, 360 degree mosaic of the MIlky Way, collection of pretty pictures and Trappist-1.

16-bit 1920x1080 Edited

JPL-20200122-SPITZRf-0003 **Science In A Minute Infrared Light**
Date: 1/22/20 Duration: 0:01:33
Marina Jurica-Preston talks to camera about the difference between visible light and infrared light.

16-bit 1920x1080 Edited

JPL-20200122-SPITZRf-0004 **Science In A Minute The Art of Spitzer**
Date: 1/22/20 Duration: 0:01:23
Marina Jurica-Preston talks to camera about all of the beutiful images that Spitzer has produced using data and computers to interpret that data.

16-bit 1920x1080 Edited

JPL-20200122-SPITZRf-0005 **Spitzer Unveiling the Universe**
Date: 1/22/20 Duration: 0:04:05
Edited piece about all of the work that the Spitzer Space Telescope has accomplished during its mission. Features: Joseph Hunt, Spitzer Space Telescope Project Manager; Mike Werner, Project Scientist, Spitzer Space Telescope; Farisa Morales, Spitzer Space Telescope Scientist;

Robert Hunt, Visualization Scientist, Spitzer Space Center; Lisa Storrie-Lombardi, Former Project Manager, Spitzer Space Telescope; Bo Kahr, Spitzer Space Telescope System Manager; Sean Carey, Manager, Spitzer Science Center. Includes several images created by Spitzer, the Google Doodle, infrared vs. visible light.

16-bit 1920x1080 Edited

JPL-20200123-VKLECTf-0001 **Spitzer Final Voyage**

Date: 1/23/20 Duration: 1:18:38

The Spitzer Space Telescope has been observing the universe in infrared light for over 16 years. As the mission comes to a close, join members of the Spitzer team as they look at some of the amazing highlights and the lasting legacy of this incredible observatory.

16-bit 1280x720 Live Multi-Cam

JPL-20200130-SPITZRf-0001 **NASA Team Salutes Spitzer Space Telescope**

Date: 1/30/20 Duration: 0:01:52

Recap video of the decommissioning of the Spitzer Space Telescope.

24-bit 1280x720 Edited

JPL-20200203-WHATSUf-0001 **Whats Up February 2020**

Date: 2/3/20 Duration: 0:03:04

Monthly astronomy segment about what will be visible in the sky during the month of February.

16-bit 1920x1080 Edited

JPL-20200206-VKLECT-0001 **Beyond the Pale Blue Dot**

Date: 2/6/20 Duration: 1:04:15

On the 30th anniversary of the "Pale Blue Dot" image taken by NASA's Voyager mission, join host Preston Dyches and JPL astronomers Rich Terrile and Rob Zellem as they look at the impact of that image and other distant views of Earth. The discussion will also explore the quest to photograph another Earth—an exoplanet orbiting another star—as its own pale blue dot. Join the JPL community at this von Karman Lecture for a discussion about perspective: the value of what a single pixel can tell us and what it can make us feel.

16-bit 1280x720 Live Multi-Cam

JPL-20200207-JPLf-0001 **JPL Look Back**

Date: 2/7/20 Duration: 0:02:25

A look at JPL's accomplishments over the last nine months.

16-bit 1280x720 Edited

JPL-20200210-MARSf-0001 **Mars Sample Return**

Date: 2/10/20 Duration: 0:02:44

Raquel Villaneuava interviews Jessica Samuels and Austin Nicholas about the Mars 2020 rover and the future of Mars Sample Return.

24-bit 3840x2160 Edited

JPL-20200211-DSNf-0001 **DSN Goldstone Groundbreaking Ceremony VF**

Date: 2/11/20 Duration: 0:06:19

Groundbreaking ceremony for a new laser dish at Goldstone that's expected to be completed in 2023. Includes B-Roll of the event and interviews with Larry James, Mike Watkins and Suzy Dodd.

16-bit 3840x2160 Edited

JPL-20200301-WHATSUf-0001 **Whats Up March 2020**

Date: 3/1/20 Duration: 0:02:44

Monthly web video about what's in the sky for the month of March, 2020.

16-bit 1920x1080 Edited

JPL-20200303-MSLf-0001 **Curiosity Rover Snaps Billion Pixel Panorama**

Date: 3/3/20 Duration: 0:03:19

Narrated by Ashwin Vasavada, MSL Project Scientist, this edited piece shows a panorama of Mars taken by Curiosity inside the Gale Crater. With over 1.8 billion pixels in all, the image is zoomable and contains tons of information.

16-bit 3840x2160 Edited

JPL-20200305-M2020f-0001 **Name the Mars 2020 Rover Contest Winner**

Date: 3/5/20 Duration: 0:34:49

Live from JPL and Virginia, the Mars 2020 rover is given its official name: Perseverance. Raquel Villaneueva introduces the audience from JPL; Deanne Bell, Founder and CEO, Future Engineers moderates from Burke, Virginia at Lake Braddock Secondary School. Thomas Zurbuchen, Associate Administrator, NASA Science Mission Directorate, says a few words, as does Lori Glaze, Director, NASA Planetary Science Division. The winner of the Rover Naming Contest, Alex Mather, 13, is called up onto stage and he reads his winning essay. Jennifer Trosper, Mars 2020 Deputy Project Manager shows a replica of the nameplate that was placed on Perseverance's Robotic Arm. There is also a pre-recorded message from Virginia Senator Mark R. Warner.

16-bit 1280x720 Live Multi-Cam

JPL-20200305-M2020f-0002 **Mars 2020 Perseverance Etching Edited BRoll**

Date: 3/5/20 Duration: 0:00:31

Quick edited video of the Perseverance nameplate being laser-etched in Altadena, CA

16-bit 1920x1080 Edited

JPL-20200305-M2020f-0003 **Behind the Spacecraft The Next Mars Rover**

Date: 3/5/20 Duration: 0:01:55

Sending a rover to the Red Planet is more than just 3…2…1… Liftoff! It takes 1,000s of people and years of hard work to get a spacecraft from Earth to Mars. So when NASA's Perseverance rover touches down on the Martian surface, it will be because of the talented NASA minds that helped to make it happen.

Follow the journey of Perseverance: https://mars.nasa.gov/mars2020/

16-bit 1920x1080 Edited

JPL-20200305-M2020f-0004 **NASAs Latest Mars Rover Has a Name**
Date: 3/5/20 Duration: 0:02:04
Bekah Sosland-Siegfriedt, Mars 2020 Systems Engineer, talks to camera about building the Mars 2020 rover and the contest winner, Alex Mather, who named the rover with his essay: Perseverance. Jennifer Trosper makes a brief appearance.
16-bit 3840x2160 Edited

JPL-20200305-VKLECTf-0001 **The Search for Life Exploring Ocean Worlds**
Date: 3/5/20 Duration: 0:58:04
Brian White of PSO introduces. Ocean Worlds are a rich and vibrant part of our solar system that intrigue both scientists and the public alike. But what exactly are we looking for? And how will we know we've found it? Whatever "it" is? Dr. Morgan Cable speaks to the audience.
16-bit 1280x720 Live Multi-Cam

JPL-20200401-WHATSUf-0001 **Whats Up April 2020**
Date: 4/1/20 Duration: 0:03:18
Monthly astronomy show about what will be in the sky for the month of April.
16-bit 1920x1080 Edited

JPL-20200413-EARTHf-0001 **White Smokers**
Date: 4/13/20 Duration: 0:02:28
Some scientists think the story of life on Earth may have started around hydrothermal vents at the bottom of the ocean 4.5 billion years ago. Scientists at NASA's Jet Propulsion Laboratory mimicked those ancient undersea environments with a complex experimental setup.
24-bit 1920x1080 Edited

JPL-20200416-VKLECT-0001 **How NASA Observes Earth from Air & Orbit**
Date: 4/16/20 Duration: 01:01:29
In time for Earth Day, this month’s show features campaigns that monitor our planet from orbit as well as from the air. JPLer Paul Rosen will focus on how NASA monitors global change from on high — for example monitoring global methane and carbon dioxide emissions — while also monitoring hyperlocal change from aircraft — such as earthquake damage, fires and aquifers.
Hosts:
Preston Dyches and Shannon Forrey
Speaker(s):
Paul Rosen, Project Scientist, NISAR mission, NASA-JPL
16-bit 1280x720 Live Multi-Cam

JPL-20200421-MSLf-0001 **MSL Selfie Web Video**
Date: 4/21/20 Duration: 0:01:00

This video, taken by the Navigation Cameras, or Navcams, on the Mast of NASA's Curiosity Mars rover, shows the rover's robotic arm as it rotates to take a selfie. A camera at the end of the arm captured 86 individual images that were later stitched into a panorama.
The Navcams are black-and-white cameras generally used to help engineers plan Curiosity's movements.

16-bit 3840x2160 Edited

JPL-20200421-MSRf-0001 **MSR Media Reel**

Date: 4/21/20 Duration: 0:06:57

Compilation of b-roll for media. Collecting samples from Mars and bringing them back to Earth will be a historic undertaking that starts with the launch of NASA's Perseverance rover, part of the Mars 2020 mission. Perseverance will collect samples and leave them on Mars for a future mission to retrieve and return to Earth. NASA and the European Space Agency (ESA) are solidifying concepts for this Mars sample return campaign. The current concept includes a lander, a fetch rover, an ascent vehicle to launch the sample container to Martian orbit, and a retrieval spacecraft with a payload for capturing and containing the samples and then sending them back to Earth.

16-bit 3840x2160 Edited

JPL-20200422-EARTHf-0001 **Earth Day 2020 NASA Puts Space to Work for the Planet**

Date: 4/22/20 Duration: 0:02:33

NASA’s unique vantage point of space allows us to better understand Earth’s interconnected systems and use that knowledge to live sustainably on our home planet, protect life around the world, and adapt to natural and human-caused changes. As NASA joins the world in observing the 50th anniversary of Earth Day, we reaffirm our commitment to understanding our planet’s interconnected systems to help protect them for future generations..

24-bit 3840x2160 Edited

JPL-20200423-TECHf-0001 **VITAL VF**

Date: 4/23/20 Duration: 0:06:00

NASA’s Jet Propulsion Laboratory has designed a high-pressure ventilator device tailored to the needs of critical patients before they require intensive-care-unit treatment. This new device would free up traditional ventilators, which can address a broader range of issues in the most severe patients.

Called VITAL (Ventilator Intervention Technology Accessible Locally), the device is designed to be faster to build and easier to maintain than traditional ventilators, with a fraction of the parts. It was designed to include many parts that are readily available for other medical devices, allowing potential manufacturers to tap into preexisting supply chains. The prototype was developed over 37 days at JPL in Southern California and then tested on April 21 at Mount Sinai Hospital’s Human Simulation Lab at the Icahn School of Medicine New York City. JPL is submitting the device for approval from the Food and Drug Administration via an Emergency Use Authorization, a fast-track approval process developed for crisis situations that takes just

days rather than years. Caltech manages JPL for NASA. Its Office of Technology Transfer and Corporate Partnerships will offer a free license for VITAL and is currently reaching out to the commercial medical industry to find manufacturers for the device.

16-bit 1920x1080 Edited

JPL-20200423-TECHf-0002 **VITAL Web Video**

Date: 4/23/20 Duration: 0:02:26

NASA is helping the medical community address the shortage of ventilators needed to treat coronavirus patients with a ventilator prototype. Within 37 days, engineers and others at the agency's Jet Propulsion Laboratory in Southern California created a high-pressure ventilator prototype tailored to the needs of patients with COVID-19 and sent it to the Icahn School of Medicine at Mount Sinai in New York for testing.

The device, called VITAL (Ventilator Intervention Technology Accessible Locally), is designed to be faster to build and easier to maintain than traditional ventilators, with a fraction of the parts. JPL is now seeking an Emergency Use Authorization for the device from the Food and Drug Administration.

For more about VITAL, visit:
https://www.nasa.gov/feature/jpl/nasa-develops-covid-19-prototype-ventilator-in-37-days

For businesses interested in applying for a free license to build VITAL, visit:
https://medeng.jpl.nasa.gov/covid-19/ventilator/

16-bit 1920x1080 Edited

JPL-20200427-SENT6f-0001 **Sentinel 6 Timelaplse AMR-C FM-A Integration**

Date: 4/27/20 Duration: 0:00:28

This time-lapse video shows the Advanced Microwave Radiometer for Climate (AMR-C) instrument, built by JPL, being integrated onto the Sentinel-6 Michael Freilich satellite built by Airbus Defense and Space (Friedrichshafen, Germany) under contract to the European Space Agency. The time-lapse was taken by Sentinel-6/Jason-CS deputy project manager John Oswald in 2019.

Credit: NASA/JPL-Caltech

1920x1080 Edited

JPL-20200428-SPITZRf-0001 **Spitzer Black Hole**

Date: 4/28/20 Duration: 0:01:21

Animation of a black hole.

16-bit 1920x1080 Edited

JPL-20200428-TECHf-0001 **ROASTT Web Video**

Date: 4/28/20 Duration: 0:01:57

Did life ever form on Mars? NASA is launching its new Perseverance rover to find out. In February 2020, mission scientists practiced skills they'll need while Perseverance explores the Red Planet. A seven-person field team served as a simulated rover, carrying cameras and science instruments to the Nevada desert. Meanwhile, mission scientists at institutions like NASA's Jet Propulsion Laboratory in Southern California sent commands for them to take

pictures or collect data from the landscape. The region of Nevada they studied is a former lakebed, just like Jezero Crater, Perseverance's landing site on Mars.
For more information on the Mars 2020 mission and Perseverance rover, go to: https://mars.nasa.gov/mars2020/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20200429-TECHf-0001 **Mars Helicopter Ingenuity Show**
Date: 4/29/20 Duration: 0:19:10
Live broadcast about the Mars Helicopter Ingenuity. Features Raquel Villanueva and MiMi Aung.

24-bit 1920x1080 Live Multi-Cam

JPL-20200429-TECHf-0001 **Mars Helicopter Media Reel**
Date: 4/29/20 Duration: 0:10:14
B-roll for media. NASA's Mars Helicopter Ingenuity will be the first aircraft to fly in a controlled way on another planet. It will fly to Mars attached to the belly of NASA's Perseverance rover, part of the Mars 2020 mission.
In April, the Mars helicopter was given the name Ingenuity. This reel includes a conversation between the student whose name was chosen -- Vaneeza Rupani, 17, of Northport, Alabama -- and MiMi Aung, the Mars helicopter project manager based at NASA's Jet Propulsion Laboratory.
The Ingenuity helicopter is considered a high-risk, high-reward technology demonstration. If the small craft encounters difficulties, the science-gathering of the Mars 2020 mission won't be impacted. If the helicopter does take flight as designed, future Mars missions could enlist second-generation helicopters to add an aerial dimension to their explorations.
The Perseverance rover, with the Ingenuity helicopter aboard, will launch in July or August 2020 and land on Mars on Feb. 18, 2021.
A separate media reel of animations simulating how the helicopter will operate on Mars is available at https://vimeo.com/412926211/217644ad2b.
For more information on the Mars helicopter, go to: https://mars.nasa.gov/technology/helicopter
Credit: NASA/JPL-Caltech and NASA/JPL-Caltech/Lockheed Martin Space

16-bit 3840x2160 Edited

JPL-20200430-M2020f-0001 **Behind the Spacecraft Katie Stack Morgan**
Date: 4/30/20 Duration: 0:37:45
Katie Stack Morgan is featured.

24-bit 1920x1080 Stream

JPL-20200501-WHATSUf-0001 **Whats Up May 2020**
Date: 5/1/20 Duration: 0:03:20
What astronomy highlights can you see in the sky in May 2020? Venus, Sirius and the Milky Way. With so many of us staying home these days, here's a look into the sky at dusk and dawn with an eye toward the vast stretches of wide open space right above our heads.

Additional information about topics covered in this episode of What's Up, along with still images from the video, and the video transcript, are available at https://solarsystem.nasa.gov/whats-up-skywatching-tips-from-nasa
Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20200507-M2020f-0001 **Behind the Spacecraft Moogega Stricker**
Date: 5/7/20 Duration: 0:18:26

Moogega Stricker is featured.

16-bit 1920x1080 Stream

JPL-20200507-VKLECT-0001 **Becoming a NASA Engineer**
Date: 5/7/20 Duration: 0:51:24

Brian White hosts. Tracy Drain is featured.

16-bit 1280x720 Stream

JPL-20200512-CALf-0001 **CAL Upgrade**
Date: 5/12/20 Duration: 0:01:51

NASA's Cold Atom Laboratory underwent a major hardware upgrade aboard the International Space Station in January 2020. The mission team at NASA's Jet Propulsion Laboratory in Southern California guided astronauts Christina Koch and Jessica Meir through the installation of the new hardware via live video conference. By chilling atom clouds to just above absolute zero, or the coldest temperature matter can reach, Cold Atom Lab enables scientists to directly observe unique atomic behaviors, helping to answer questions about how our world works at the smallest scales. This new hardware will help expand Cold Atom Lab's capabilities.
For more information, visit https://coldatomlab.jpl.nasa.gov
Credit: NASA/JPL- Caltech, NASA-International Space Station

16-bit 1920x1080 Edited

JPL-20200514-M2020f-0001 Behind the Spacecraft Allen Chen
Date: 5/14/20 Duration: 0:34:01

Al Chen is featured.

16-bit 1920x1080 Stream

JPL-20200515-CALf-0001 **CAL Upgrade Update**
Date: 5/15/20 Duration: 0:01:52

NASA's Cold Atom Laboratory underwent a major hardware upgrade aboard the International Space Station in January 2020. The mission team at NASA's Jet Propulsion Laboratory in Southern California guided astronauts Christina Koch and Jessica Meir through the installation of the new hardware via live video conference. By chilling atom clouds to just above absolute zero, or the coldest temperature matter can reach, Cold Atom Lab enables scientists to directly observe unique atomic behaviors, helping to answer questions about how our world works at the smallest scales. This new hardware will help expand Cold Atom Lab's capabilities.
For more information, visit https://coldatomlab.jpl.nasa.gov

Credit: NASA/JPL- Caltech, NASA-International Space Station

16-bit 1920x1080 Edited

JPL-20200515-M2020f-0001 **Mars 2020 Media Reel Updated**

Date: 5/15/20 Duration: 0:54:26

B-roll for media. NASA's Mars 2020 mission, which includes the Perseverance rover, is launching to the Red Planet in July or August 2020. It will land on Mars February 18, 2021. Much of this footage was shot in 2019 as the spacecraft was being assembled at NASA's Jet Propulsion Laboratory in Southern California..

NASA’s Mars 2020 rover will search for signs of past microbial life, characterize the planet's climate and geology and collect samples for future return to Earth. Mars 2020 is also part of a larger program that includes missions to the Moon as a way to prepare for human exploration of the Red Planet.

JPL manages the Mars 2020 mission for NASA's Science Mission Directorate in Washington. NASA's Launch Services Program, based at the agency's Kennedy Space Center in Florida, is responsible for Mars 2020 launch management.

For more information on Mars 2020, visit: https://mars.nasa.gov/mars2020.

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20200518-M2020f-0001 **Shake Rattle and Roll Testing NASAs Mars 2020 Perseverance Rover**

Date: 5/18/20 Duration: 0:02:28

NASA's Mars 2020 Perseverance rover lives up to its name by enduring a series of tests to prepare for its journey to the Red Planet. Tests for the mission were performed between September and December of 2019 at NASA's Jet Propulsion Laboratory in Southern California.

This video highlights the following tests:

Spin test

Shake test

Mobility deployment test

Rover’s first unassisted stand

Solar test

Thermal vacuum test

Sample caching test

Drive test

The launch period for the Perseverance rover opens July 17, 2020. It will land on Mars February 18, 2021.

For more information on Mars 2020, visit: https://mars.nasa.gov/mars2020.

16-bit 3840x2160 Edited

JPL-20200529-M2020f-0001 **Mars Sample Caching**

Date: 5/29/20 Duration: 0:02:34

Watch as NASA-JPL engineers test the Sample Caching System on the Perseverance Mars rover. Described as one of the most complex robotic systems ever built, the Sample and

Caching System will collect core samples from the rocky surface of Mars, seal them in tubes and leave them for a future mission to retrieve and bring back to earth.
The team is on track to launch Perseverance in July 2020 and land in Mars' Jezero Crater in February 2021. For more information on the Mars 2020 Perseverance mission, please go to: https://mars.nasa.gov/mars2020/

16-bit 3840x2160 Edited

JPL-20200601-WHATSUf-0001 **Whats Up June 2020**
Date: 6/1/20 Duration: 0:03:24
Monthly astronomy segment about what will be visible in the sky during the month of June.

16-bit 1920x1080 Edited

JPL-20200612-MSLf-0001 **MSL Operations Team Media Reel**
Date: 6/12/20 Duration: 0:06:17
B-roll for media. A look at the people and activities behind NASA's Curiosity rover, which has been operating Mars since 2012, including team discussions at NASA's Jet Propulsion Laboratory and the work of rover drivers (also known as rover planners) who wear special glasses for their activities.
This reel covers activities from 2012 to spring 2020, when the team had to work remotely because of the coronavirus pandemic.
For more information on the Curiosity rover, visit: https://mars.nasa.gov/msl/home/
Credit: NASA/JPL-Caltech

16-bit 1280x720 Edited

JPL-20200617-M2020f-0001 **Mars 2020 Perseverance Countdown to Mars**
Date: 6/17/20 Duration: 1:29:59
L-30 for Mars 2020 Perseverance. Raquel Villanueva, Jim Bridenstine, Lori Glaze, Matt Wallace, Katie Stack Morgan, Omar Baez. Talking about the challenges of building the rover Perseverance and getting through the COVID-19 pandemic.

24-bit 1280x720 Live Multi-Cam

JPL-20200617-M2020f-0002 **L-30 Perseverance Video File**
Date: 6/17/20 Duration: 0:19:39
NASA's Mars 2020 Perseverance rover mission is over 30 days from launch (7/20/20). Perseverance will seek signs of ancient microbial life on Mars along with demonstrating key technologies to help prepare for future robotic and human exploration. And the rover will do all that while collecting the first samples of Martian rock and regolith (broken rock and dust) for later return to Earth.
Perseverance, built by NASA's Jet Propulsion Laboratory, is targeted to launch from Cape Canaveral Air Force Station July 20, but its window extends to August 11. It will land on Mars next February 18 (regardless of launch date). For more information on the mission, go to: mars.nasa.gov/perseverance and nasa.gov/perseverance.

16-bit 1280x720 Edited

JPL-20200617-M2020f-0003 **Countdown to Mars**

Date: 6/17/20 Duration: 0:03:45

Getting a Mars rover built, tested and to the launch pad is a feat that requires the dedication of hundreds of team members. The team behind NASA's Perseverance Mars rover faced one of its biggest challenges when the coronavirus pandemic struck during a crucial time before launch. The safety of the team members became top priority yet they rose to the challenge of completing the rover on time for its launch date, either by working remotely or under new "safe at work" procedures. They developed an increased appreciation for the name of the rover and in May they created the COVID-19 Perseverance Plate, which is now mounted on the side of the rover. The plate commemorates all those impacted by the pandemic and pays special tribute to front line health care workers.

Perseverance is targeted to launch from Cape Canaveral, Florida, on July 20, 2020. It will land on Mars on February 18, 2021.

16-bit 1920x1080 Edited

JPL-20200618-VKLECTf-0001 **Making a Mars Rover**

Date: 6/18/20 Duration: 0:56:13

Preston Dyches hosts and Julie Townsend is highlighted.

16-bit 1280x720 Stream

JPL-20200623-TECHf-0001 **Mars Helicopter Testing Media Reel**

Date: 6/23/20 Duration: 0:03:57

B-roll for media. NASA's Ingenuity Mars Helicopter will make history's first attempt at powered, controlled flight on another planet next spring. Before the project was approved by NASA to ride with the agency's next mission to Mars (the Mars 2020 Perseverance rover), the Mars Helicopter team had to prove powered flight in a Martian atmosphere was possible.

This video highlights three important milestones in the flight-testing program of the Mars helicopter system. The testing took place in the 25-foot space simulation chamber at NASA's Jet Propulsion Laboratory in Southern California where the Martian atmosphere was reproduced.

For more about Ingenuity, visit https://mars.nasa.gov/technology/helicopter/

Credit: NASA/JPL-Caltech

16-bit 1280x720 Edited

JPL-20200623-TECHf-0002 **Mars Helicopter Delivery System**

Date: 6/23/20 Duration: 0:01:56

NASA's Ingenuity helicopter is traveling to Mars attached to the belly of the Perseverance rover and must safely detach to begin the first attempt at powered flight on another planet. Tests done at NASA's Jet Propulsion Laboratory and Lockheed Martin Space show the sequence of events that will bring the helicopter down to the Martian surface.

For more about the Mars helicopter, visit https://mars.nasa.gov/technology/heli...

Credit: NASA/JPL-Caltech and Lockheed Martin Space

16-bit 1920x1080 Edited

JPL-20200701-WHATSUf-0001 **Whats Up July 2020**

Date: 7/1/20 Duration: 0:03:09
Monthly astronomy segment about what will be visible in the sky during the month of July.
16-bit 1920x1080 Edited

JPL-20200709-VKLECT-0001 **A Day in the Life of the Deep Space Network**
Date: 7/9/20 Duration: 0:36:02
A Day in the Life of the Deep Space Network
16-bit 1280x720 Stream

JPL-20200713-M2020f-0001 **MOXIE Media Reel**
Date: 7/13/20 Duration: 0:02:49
B-roll for media. The Mars Oxygen In-Situ Resource Utilization Experiment, also known as MOXIE, aims to produce oxygen from the carbon dioxide atmosphere on Mars. MOXIE is a payload instrument inside NASA's Mars 2020 Perseverance rover and is close to the size of a car battery. As NASA prepares for human exploration of Mars, MOXIE will demonstrate a way future explorers might make oxygen from the Martian atmosphere. It could one day be used to create rocket propellant to blast astronauts off the surface of the planet, in addition to serving as oxygen for breathing.
For more information about MOXIE, visit
https://mars.nasa.gov/mars2020/spacecraft/instruments/moxie/
For more information about Perseverance, visit https://mars.nasa.gov/perseverance
16-bit 1280x720 Edited

JPL-20200714-TECHf-0001 **Mars Helicopter Mission Overview**
Date: 7/14/20 Duration: 0:03:20
NASA's Ingenuity Mars Helicopter will make history's first attempt at powered flight on another planet next spring. It is riding with the agency's next mission to Mars (the Mars 2020 Perseverance rover) as it launches from Cape Canaveral Air Force Station later this summer. Perseverance, with Ingenuity attached to its belly, will land on Mars February 18, 2021.
As a technology demonstration, Ingenuity is testing a new capability for the first time: showing controlled flight is possible in the very thin Martian atmosphere. If successful, Ingenuity could lead to an aerial dimension to space exploration, aiding both robots and humans in the future.
For more about Ingenuity, visit https://mars.nasa.gov/technology/helicopter/
Credit: NASA/JPL-Caltech
24-bit 3840x2160 Edited

JPL-20200720-JPLf-0001 **Aerial Drone Video**
Date: 7/20/20 Duration: 0:01:58
Drone video shot over JPL when the lab was virtually empty.
16-bit 1920x1080 Edited

JPL-20200720-NASAf-0001Virtual Discussion with NASA Leadership and the Space Foundation on the Mars 2020 Perseverance Rover Mission
Date: 7/20/20 Duration: 1:06:41
Features Jim Bridenstine, Thomas Zurbuchen, Michael Watkins, MiMi Aung

24-bit 1280x720 Live Multi-Cam

JPL-20200722-M2020f-0001 **Getting Perseverance to the Launch Pad**
Date: 7/22/20 Duration: 0:02:35
In February 2020, NASA's Perseverance Rover began its long journey to Mars by first traveling across the United States. The rover was built at NASA's Jet Propulsion Laboratory in Southern California, and then carefully packed and flown to NASA's Kennedy Space Center in Cape Canaveral, Florida. There, engineers integrated the rover with the spacecraft that carries it to Mars, and the Atlas V rocket chosen to send it on its way.
The launch period for the Perseverance rover opens July 30, 2020. It will launch from Cape Canaveral Air Force Station.
Learn more: https://mars.nasa.gov/mars2020
16-bit 3840x2160 Edited

JPL-20200722-NASAf-0001 **Countdown to Mars**
Date: 7/22/20 Duration: 0:53:08
From HQ
24-bit 1280x720 Live Multi-Cam

JPL-20200722-NASAf-0002 **NASA Science Live**
Date: 7/22/20 Duration: 0:28:26
From HQ
24-bit 1280x720 Live Multi-Cam

JPL-20200727-M2020f-0001 **Mars 2020 Prelaunch News Conference**
Date: 7/27/20 Duration: 1:04:34
From HQ
24-bit 1280x720 Live Multi-Cam

JPL-20200727-M2020f-0002 **Mars 2020 Mission Engineering Science Briefing**
Date: 7/27/20 Duration: 0:55:02
From HQ
24-bit 1280x720 Live Multi-Cam

JPL-20200727-M2020f-0003 **Perseverance Mission Overview**
Date: 7/27/20 Duration: 0:02:58
NASA's Mars 2020 Perseverance Rover is heading to the Red Planet to search for signs of ancient life, collect samples for future return to Earth and help pave the way for human exploration. The rover will carry with it several technology demonstrations including a helicopter, which will attempt humanity's first powered flight on another planet. Perseverance has a new set of science instruments and the ability to "self-drive" on the Martian surface.

The Perseverance rover is scheduled to launch from Space Launch Complex 41 at NASA's Kennedy Space Center as early as July 30. It is set to land at Mars' Jezero Crater on Feb. 18, 2021.
For more information on Mars 2020, visit: https://www.nasa.gov/perseverance and https://mars.nasa.gov/perseverance
Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20200728-M2020f-0001 **A Story of Perseverance**
Date:7/28/20 Duration: 0:58:41
From HQ
24-bit 1280x720 Live Multi-Cam

JPL-20200728-M2020f-0002 **Mission Tech and Humans to Mars Briefing**
Date: 7/28/20 Duration: 0:59:15
From HQ
24-bit 1280x720 Live Multi-Cam

JPL-20200730-M2020f-0001 **The Perseverance Rover is Launched from Kennedy Space Center**
Date: 7/30/20 Duration: 2:30:01
Mars 2020 Launch Commentary From Kennedy Space Center
24-bit 1280x720 Live Multi-Cam

JPL-20200730-M2020f-0002 **M2020 Postlaunch Press Conference**
Date: 7/30/20 Duration: 1:00:32
From HQ
24-bit 1280x720 Live Multi-Cam

JPL-20200730-M2020f-0003 **NASA's Perseverance Rover Launches to Mars**
Date: 7/30/20 Duration: 0:01:11
Recap video of Mars 2020 launch activities.
16-bit 1280x720 Edited

JPL-20200801-WHATSUf-0001 **Whats Up August 2020**
Date: 8/1/20 Duration: 0:02:52
Monthly astronomy segment about what will be visible in the sky during the month of August.
16-bit 1920x1080 Edited

JPL-20200820-VKLECT-0001 **Venus Earths Evil Twin or Just Misunderstood**
Date: 8/20/20 Duration: 0:38:02
Brian White, Sue Smrekar
16-bit 1920x1080 Stream

JPL-20200826-CALf-0001 **CAL 5th State of Matter**

Date: 8/26/20 Duration: 0:01:59

Piece about what the CAL instrument will do onboard the International Space Station.

24-bit 1920x1080 Edited

JPL-20200901-WHATSUf-0001 **Whats Up September 2020**

Date: 9/1/20 Duration: 0:03:18

Monthly piece for amateur astronomers.

16-bit 1920x1080 Edited

JPL-20200903-SENT6f-0001 **Using GPS to Improve Weather Forecasts**

Date: 9/3/20 Duration: 0:01:45

Launching aboard the joint U.S.-European Sentinel-6 Michael Freilich satellite is NASA's next instrument that will help improve weather forecasting. The GNSS-RO (Global Navigation Satellite System Radio Occultation) instrument will make it easier for meteorologists to forecast further into the future with more accuracy, and aid in the protection of life and property with earlier warnings.

The Sentinel-6 Michael Freilich satellite will launch from Vandenberg Air Force Base no earlier than November 10, 2020.

24-bit 3840x2160 Edited

JPL-20200904-M2020f-0001 **Rover Twin Moves Into New Home**

Date: 9/4/20 Duration: 0:00:33

A full-scale engineering model of NASA's Perseverance Mars rover now resides in a garage facing the Mars Yard at NASA's Jet Propulsion Laboratory in Southern California.

This vehicle system test bed rover (VSTB) is also known as OPTIMISM, which stands for Operational Perseverance Twin for Integration of Mechanisms and Instruments Sent to Mars. OPTIMISM was built in a warehouselike assembly room near the Mars Yard – an area that simulates the Red Planet's rocky surface. The rover helps the mission test hardware and software before it's transmitted to the real rover on Mars. OPTIMISM will share the space with the Curiosity rover's twin MAGGIE.

Perseverance is set to land on the surface of Mars on February 18, 2021.

For more information on the mission, visit: https://mars.nasa.gov/perseverance/

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20200915-M2020f-0001 **Behind The Spacecraft Diana Trujillo**

Date: 9/15/20 Duration: 0:31:46

Raquel Villanueva talks to Diana Trujillo about her work on the Mars 2020 mission.

16-bit 1280x720 Stream

JPL-20200917-VKLECTf-0001 **Visualizing Space Exploration AR VR and Emerging Tech**

Date: 9/17/20 Duration: 0:47:02

Visualizing Space Exploration AR VR and Emerging Tech

24-bit 1280x720 Stream

JPL-20200929-SENT6f-0001 **Sentinel 6 Animation Reel**

Date: 9/29/20 Duration: 0:05:08

See slates for description.

16-bit 3840x2160 Animation

JPL-20200930-M2020f-0001 **Mars 2020 Twin Rover Gets to Work**

Date: 9/30/20 Duration: 0:02:20

Piece about how the identical twin rover of Perseverance, called Optimism, performs tasks on Earth that would need to be performed on Mars by the roaming rover.

16-bit 3840x2160 Edited

JPL-20201001-TECHf-0001 **Ingenuity Team Meetings During COVID Media Reel**

Date: 10/01/20 Duration: 0:03:35

B-roll for media use. During COVID-19, NASA's Ingenuity helicopter team has been getting creative with web meetings from home. Footage includes an April 2020 meeting where Vaneeza Rupani, the 11th grader who named the helicopter, announcing the name Ingenuity to the team and a July 2020 meeting discussing launch preparations from Florida's Cape Canaveral Air Force Station.

NASA's Ingenuity helicopter is flying with NASA's Mars 2020 Perseverance rover. Ingenuity will attempt to show controlled flight is possible in the very thin Martian atmosphere. The rover and the helicopter are currently on their journey to the Red Planet, landing on Feb. 18, 2021.

For more information on the Mars helicopter, go to: https://mars.nasa.gov/technology/helicopter

16-bit 3840x2160 Edited

JPL-20201001-WHATSUf-0001 **Whats Up October 2020**

Date: 10/1/20 Duration: 0:03:30

Monthly piece for amateur astronomers

16-bit 1920x1080 Edited

JPL-20201002-SENT6f-0001 **Exploring Oceans From Space The Impact on Daily Life**

Date: 10/2/20 Duration: 0:02:14

The joint U.S.-European Sentinel-6 Michael Freilich is the next in a line of Earth-observing satellites that will collect the most accurate data yet on sea level and how it changes over time. With millimeter-scale precision, data from this mission will allow scientists to precisely measure sea surface height and gauge how quickly our oceans are rising.

The Sentinel-6 Michael Freilich satellite is part of the Sentinel-6/Jason-CS mission, a collaboration among NASA, ESA, EUMETSAT and NOAA. Sentinel-6 Michael Freilich will launch from Vandenberg Air Force Base no earlier than November 10, 2020.

For more information on the Sentinel-6/Jason-CS mission, go to
https://www.nasa.gov/subject/18859/sentinel-6michael-freilich/
Credit: NASA-JPL/Caltech/NOAA

16-bit 3840x2160 Edited

JPL-20201015-VKLECTf-0001 **Galaxy of Horrors Terrifying Real Planets**
Date: 10/15/20 Duration: 0:50:51
Brian White, Thalia Rivera, Daniel Stern, Dr. Jacqueline McCleary, Dr. Tiffany Kataria
24-bit 1280x720 Stream

JPL-20201016-SENT6f-0001 **Sentinel 6 Michael Freilich L30 Media Reel**
Date: 10/16/20 Duration: 16:46
See slates for description.
16-bit 1280x720 Edited

JPL-20201016-SENT6f-0002 **Sentinel 6 L30 Briefing**
Date: 10/16/20 Duration: 1:24:51
Marina Jurica, Thomas Zurbuchen, Pierre Delsaux, Josef Aschbacher, Karen St. Germain, Alain Ratier, Parag Vaze, Nadya Vinogradova Shiffer, Tim Dunn
24-bit 1280x720 Stream

JPL-20201101-WHATSUf-0001 **Whats Up November 2020**
Date: 11/1/20 Duration: 0:03:16
Monthly astronomy program for amateur astronomers. The Pleiades, Saturn, and The Moon. Narrated by Preston Dyches.
16-bit 1920x1080 Edited

JPL-20201102-NASAf-0001 **Rising Waters West Coast**
Date: 11/2/20 Duration: 0:02:27
If you ask your average resident of California, Oregon or Washington what natural hazard they're most concerned about, sea level rise probably won't bubble to the top of the list. After all, this is a region better known for its wildfires, earthquakes, heat waves, and mudslides. Sea level rise? That's an East Coast or Gulf Coast thing, they might say.
But those who actually live along the coast here know better. They've seen first-hand the effects of coastal erosion, beach loss, storm damage and tidal flooding resulting from sea level rise. In some locations, it's a constant battle to hold back the sea. Yet during the 1990s and 2000s, the rate of sea level rise off the U.S. West Coast was, surprisingly, suppressed.
That lull now appears to be over. Changing conditions in the deep blue Pacific have literally stirred up Earth's largest ocean and redistributed its heat, piling up warm waters along U.S. Western shores. Water expands as it's heated, so warm waters lead to higher sea level.
16-bit 3840x2160 Edited

JPL-20201110-M2020f-0001 **Preparing to Land Perseverance**
Date: 11/10/20 Duration: 0:02:11

To prepare the Perseverance rover for its date with Mars, NASA's Mars 2020 mission team conducted a wide array of tests to help ensure a successful entry, descent and landing at the Red Planet. From parachute verification in the world's largest wind tunnel, to hazard avoidance practice in Death Valley, California, to wheel drop testing at NASA's Jet Propulsion Laboratory and much more, every system was put through its paces to get ready for the big day.
The Perseverance rover is scheduled to land on Mars on February 18, 2021.
Learn more: https://mars.nasa.gov/mars2020
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20201110-SENT6f-0001 **Sentinel 6 Family Tree**
Date: 11/10/20 Duration: 0:01:17
Retrospective of all associated missions leading up to Sentinel-6 Michael Freilich.
16-bit 3840x2160 Edited

JPL-20201121-SENT6f-0001 **Sentinel-6 Michael Freilich Launch Broadcast**
Date: 11/21/20 Duration: 2:16:46
Derrol Nail and Marina Jurica. Guido Levrini, Jessie Anderson of SpaceX. Launched out of VFB, California.
24-bit 1280x720 Live Multi-Cam

JPL-20201121-SENT6f-0002 **Sentinel 6 Launch Wrap Video**
Date: 11/21/20 Duration: 0:01:23
90 second recap of Sentinel-6 Michael Freilich launching on a SpaceX Falcon 9 out of VFB, California
16-bit 1280x720 Edited

JPL-20201201-WHATSUf-0001 **Whats Up December 2020**
Date: 12/1/20 Duration: 0:03:24
Monthly astronomy series for amatuer astronmers. Narrated by Preston Dyches.
16-bit 1920x1080 Edited

JPL-20201210-M2020f-0001 **Perseverances Sample Tubes Ready for Mars**
Date: 12/10/20 Duration: 0:02:37
One key activity for NASA's Perseverance Mars rover, which is on its way to the Red Planet, will be to collect samples of Martian rock and regolith (broken rock and dust) for future return to Earth.
Because scientists want to be confident that any signs of ancient life they might observe in samples returned to Earth are from Mars, not Earth, Perseverance's Sample Caching System -- including the tubes the samples go in -- had to be the cleanest set of components humankind has ever launched into space. NASA's Jet Propulsion Laboratory met the challenge.
A future mission, which involves a collaboration between NASA and the European Space Agency, will return the samples to Earth. The Perseverance rover is set to land on the surface of Mars on February 18, 2021.

For more information on the mission, visit: https://mars.nasa.gov/perseverance/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20201217-NISARf-0001 **NISAR Mission Video**

Date: 12/17/20 Duration: 0:04:02

The joint U.S.-Indian NISAR satellite mission will use radar to observe a wide range of Earth processes, from the flow rates of glaciers and ice sheets to the dynamics of earthquakes and volcanos. NISAR can image Earth's land masses at night and through clouds and will allow scientists to see places that have otherwise been obscured.
Despite the challenges of working during the Coronavirus pandemic, the science and engineering teams on both sides of the pond are determined to meet their mission objectives. The NASA-ISRO Synthetic Aperture Radar (NISAR) satellite mission NISAR is slated to launch no earlier than 2022 from India's Satish Dhawan Space Center in Sriharikota, India.
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20201221-M2020f-0001 **Perseverance Arrives at Mars**

Date: 12/21/20 Duration: 0:00:58

One minute trailer for EDL cut down from EDL Animation w/ SFX.

16-bit 3840x2160 Animation

JPL-20201221-M2020f-0002 **EDL Full Version w SFX**

Date: 12/21/20 Duration: 0:03:10

Entry, Descent and Landing (EDL) animation of Mars 2020 rover Perseverance.

16-bit 3840x2160 Animation

JPL-20210101-WHATSUf-0001 **Whats Up January 2021**

Date: 1/1/21 Duration: 0:03:17

What are some skywatching highlights in November 2020? Cool autumn evenings are a great time to look for the Pleiades star cluster. You'll also have a couple of great opportunities to observe the Moon with Jupiter and Saturn. Plus, check out the phenomenon known as Earthshine.
Additional information about topics covered in this episode of What's Up, along with still images from the video, and the video transcript, are available at https://solarsystem.nasa.gov/whats-up-skywatching-tips-from-nasa .
Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20210114-EDUCATf-0001 **Mission to Mars Student Challenge**

Date: 1/14/21 Duration: 0:59:49

Brandon Rodriguez, JPL, speaks to Lyle Tavernier and Moogega Cooper. He also speaks to Swati Mohan of M2020 EDL Team. Education resources for students regarding Mars 2020 and the Perseverance Rover.

24-bit 1280x720 Stream

JPL-20210114-VKLECTf-0001 **Spacecraft Origami**
Date: 1/14/21 Duration: 0:39:56
For years, engineers have had to deal with "the tyranny of the fairing": anything you want to send into space has to fit into a rocket fairing. A field of advanced design has been looking for new ways to advance our engineering, using the centuries old art form to dream bigger.
Host:
Brian White, Public Services Office, NASA/JPL
Co-host:
Thalia Rivera, Public Outreach Specialist, NASA/JPL
Speakers:
Manan Arya, Technologist, NASA/JPL
Lizbeth B. De La Torre, Creative Technologist, NASA/JPL
16-bit 1920x1080 Stream

JPL-20210127-M2020f-0001 **Mars 2020 L30 Landing Briefing**
Date: 1/27/21 Duration: 1:28:59
Raquel Villanueva moderates. Panelists include Lori Glaze, Thomas Zurbuchen, Matt Wallace, Al Chen, Ken Farley. Briony Horgan
16-bit 1280x720 Live Multi-Cam

JPL-20210201-WHATSUf-0001 **Whats Up February 2021**
Date: 2/1/21 Duration: 0:02:55
What are some skywatching highlights in February 2021? Find Mars all month after sunset, especially on the night of NASA's planned rover landing, Feb. 18. Then watch the Moon glide across the Winter Circle before it pays a visit to the bright stars of the constellation Gemini. Additional information about topics covered in this episode of What's Up, along with still images from the video, and the video transcript, are available at https://solarsystem.nasa.gov/whats-up-skywatching-tips-from-nasa.
Credit: NASA/JPL-Caltech
16-bit 1920x1080 Edited

JPL-20210203-NASAf-0001 **NASA Science Live**
Date: 2/3/21 Duration: 0:28:59
NASA Science Live
16-bit 1280x720 Sat/Air Chk

JPL-20210204-VKLECTf-0001 **Planetary Protection**
Date: 2/4/21 Duration: 0:38:26
Protecting the Earth from the scum of the universe... and the universe from the scum of Earth. Planetary Protection Lead Moogega Cooper (Mars 2020, Europa Clipper) talks about preventing contamination during missions around the solar system and making sure they don't bring anything dangerous back with them.

Speaker:
Dr. Moogega Cooper, Planetary Protection Lead, Mars 2020
Hosts:
Brian White, Public Services Office
Nikki Wyrick, Public Services Office

16-bit 1280x720 Stream

JPL-20210209-M2020f-0001 **Perseverances EDL Overview Video**

Date: 2/9/21 Duration: 0:03:43

All landings on Mars are difficult, but NASA's Perseverance rover is attempting to touch down in the most challenging terrain on Mars ever targeted.
The intense entry, descent, and landing phase, known as EDL, begins when the spacecraft reaches the top of the Martian atmosphere. Engineers have referred to the time it takes to land on Mars as the "seven minutes of terror."
The landing sequence is complex and targeting a location like Jezero Crater on Mars is only possible because of new landing technologies known as Range Trigger and Terrain-Relative Navigation.
The Perseverance rover is set to land on the surface of Mars on February 18, 2021.
For more information about Perseverance, visit https://mars.nasa.gov/perseverance
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20210216-EDUCATf-0001 **Countdown to Landing on Mars**

Date: 2/16/21 Duration: 0:45:40

Brandon Rodriguez of JPL speaks to Lyle Tavernier and Moogega Cooper. He also talks to Elio Morillo of JPL. Educational resources for the Mars 2020 Perseverance rover.

16-bit 1920x1080 Stream

JPL-20210216-M2020f-0001 **L2 Overview and Technology Briefing**

Date: 2/16/21 Duration: 1:15:01

Moderated by DC Agle of JPL. Panelists include Thomas Zurbuchen, Jennifer Trosper, Adam Steltzner, Trudy Kortes, Erisa Stilley, MiMi Aung, Jeff Sheehy.

16-bit 1280x720 Live Multi-Cam

JPL-20210216-M2020f-0002 **L2 Science Overview Briefing**

Date: 2/16/21 Duration: 0:56:33

Moderated by Marina Jurica of JPL. Panelists include Lori Glaze, Ken Williford, Luther Beegle, Jim Bell, Sylvestre Maurice.

16-bit 1280x720 Live Multi-Cam

JPL-20210217-EDUCATf-0001 **Countdown to Landing**

Date: 2/17/21 Duration: 0:26:04

Brandon Rodriguez of JPL speaks to Christina Hernandez of JPL. Educational resources for students about the Mars 2020 Perseverance rover.

16-bit 1280x720 Live Multi-Cam

JPL-20210217-M2020f-0001 **L1 Mission Landing Update Briefing**

Date: 2/17/21 Duration: 0:59:40

Moderated by Marina Jurica, JPL. Panelists include Lori Glaze, Matt Wallace, Al Chen, Kaitlin Liles, Jennifer Trosper, Ken Farley.

16-bit 1280x720 Live Multi-Cam

JPL-20210217-M2020f-0002 **L1 Proof of Ancient Life and Mars Sample Return Briefing**

Date: 2/17/21 Duration: 0:56:42

Moderated by Marina Jurica, JPL. Panelists include Thomas Zurbuchen, Bobby Braun, David Parker, ESA, Mary Voytek, Ken Williford, Elisabeth Hausrath.

16-bit 1280x720 Live Multi-Cam

JPL-20210218-M2020f-0001 **Perseverance EDL Commentary Broadcast**

Date: 2/18/21 Duration: 2:11:56

Moderated by Raquel Villanueva and Marina Jurica, both of JPL. Commentary for Entry, Descent and Landing (EDL) for the Mars 2020 Perseverance rover. Features: Diana Trujillo, Swati Mohan, Matt Wallace, Adam Steltzner, Thomas Zurbuchen, Matt Smith, Dave Gruel, Erisa Stilley, Al Chen, Chloe Sackier, Katie Stack Morgan, Jennifer Trosper, Lori Glaze, Alex Mather, Vaneeza Rupani, Eimly Calandrelli, Rob Manning, Steve Jucrzyk, Jessica Samuels, Mike Watkins, MiMi Aung, Yung Blood.

16-bit 1280x720 Live Multi-Cam

JPL-20210218-M2020f-0002 **Perseverance Landing Wrap**

Date: 2/18/21 Duration: 0:01:04

60 second recap of the EDL moments of the Mars 2020 Perseverance rover.

16-bit 1280x720 Edited

JPL-20210218-M2020f-0003 **Post Landing Briefing**

Date: 2/18/21 Duration: 1:09:46

Post Landing Briefing UHD - Jia-Rui Cook, Steve, Jurczyk, Mike Watkins, Thomas Zurbuchen, Lori Glaze, Matt Wallace, Al Chen, Ken Farley, Jennifer Trosper

24-bit 3840x2160 Live Multi-Cam

JPL-20210219-M2020f-0001 **Initial Surface Checkout Briefing**

Date: 2/19/21 Duration: 59:19

Moderated by Veronica McGregor, JPL. Panelists include Adam Steltzner, Aaron Stehura, Pauline Hwang, Hallie Gengl, Katie Stack Morgan

16-bit 1280x720 Live Multi-Cam

JPL-20210222-M2020f-0001 **Perseverance Rover's Descent and Touchdown on Mars**

Date: 2/22/21 Duration: 0:03:25

Edited video using REAL FOOTAGE from onboard cameras for the Entry, Descent and Landing phase of the Mars 2020 Perseverance rover.

16-bit 3840x2160 Edited

JPL-20210222-M2020f-0002 **NASA'S Perseverance Rover's First 360 View of Mars**

Date: 2/22/21 Duration: 0:00:30

360 panoramic view of the exact spot in Jezero Crater where the Mars 2020 Perseverance rover landed.

1920x1080 Edited

JPL-20210222-M2020f-0003a **M2020 Audio A**

Date: 2/22/21 Duration: 0:00:21

First sound recordings from the surface of Mars captured by a microphone on the Perseverance rover.

16-bit 1920x1080 Edited

JPL-20210222-M2020f-0003b **M2020 Audio B**

Date: 2/22/21 Duration: 0:00:21

First sound recordings from the surface of Mars captured by a microphone on the Perseverance rover.

16-bit 1920x1080 Edited

JPL-20210222-M2020f-0004 **L+4 Surface Status Update**

Date: 2/22/21 Duration: 1:50:50

Moderated by Raquel Villanueva. Panelists include Matt Wallace, Dave Gruel, Al Chen, Justin Maki, Thomas Zurbuchen, Jessica Samuels, Ken Williford.

16-bit 1280x720 Live Multi-Cam

JPL-20210225-M2020f-0001 **Take a Tour of Mars Through the MastcamZ Camera on Perseverance**

Date: 2/25/21 Duration: 0:59:20

A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover will characterize the planet's geology and past climate, pave the way for human exploration of the Red Planet, and be the first mission to collect and cache Martian rock and regolith.

16-bit 1280x720 Live Multi-Cam

JPL-20210301-WHATSUf-0001 **Whats Up March 2021**

Date: 3/1/21 Duration: 0:02:06

Monthly show for amateur astronomers.

16-bit 1920x1080 Edited

JPL-20210305-M2020f-0001 **Firsts Achieved Since NASAs Perseverance Mars Rover Landing**

Date: 3/5/21 Duration: 0:59:17

Robert Hogg, Anais Zarifian, and Katie Stack Morgan talk about what Perseverance has been doing since landing on Mars.

24-bit 1280x720 Stream

JPL-20210305-M2020f-0002 **Perseverance Lands on Mars**

Date: 3/5/21 Duration: 0:02:11

On Feb. 18, 2021, the world watched live as NASA's Mars 2020 mission team attempted the most daring part of its mission: landing the Perseverance rover on the surface of Mars. Viewers around the world tuned in to watch the harrowing entry, descent, and landing on TVs, computers, and on giant screens in major cities. As the successful touchdown was confirmed, fans celebrated by sharing their reaction videos and photos on social media. Major landmarks across the globe got involved by lighting up red to celebrate the landing.
Perseverance's mission continues on the surface of Mars where it will look for the signs of past life. Learn more: mars.nasa.gov/mars2020.

16-bit 3840x2160 Edited

JPL-20210305-M2020f-0003 President Joe Biden Calls M2020 Team

Date: 3/5/21 Duration: 0:03:06

On March 4, 2021, President Biden video called NASA's Jet Propulsion Laboratory to congratulate the mission team for the successful landing of the Perseverance Mars rover.
The president spoke with JPL director Mike Watkins and Swati Mohan, the mission's guidance and controls operations lead. Team members watched and reacted from various mission support areas around JPL. The team remained masked and socially distant due to the ongoing Covid-19 pandemic.
For more about the mission, visit https://mars.nasa.gov/perseverance

16-bit 1920x1080 Live Multi-Cam

JPL-20210311-VKLECTf-0001 **Helicopters in Space**

Date: 3/11/21 Duration: 0:45:33

How do you fly a helicopter on Mars? It takes Ingenuity and Perseverance. During this technology demo, Farah Alibay and Tim Canham will get into the details of how these craft will manage this incredible task.
Speakers:
Farah Alibay, Systems Engineer, Mars 2020
Timothy Canham, Mars Helicopter Operations Lead
Hosts:
Nikki Wyrick, Public Services Office
Sarah Marcotte, Public Outreach Specialist

16-bit 1920x1080 Stream

JPL-20210319-M2020f-0001 **Mars Report Update on Perseverance and Ingenuity**

Date: 3/19/21 Duration: 0:02:47

NASA's Mars 2020 Perseverance rover and Ingenuity Mars helicopter is preparing to deploy the helicopter to the surface of the Red Planet. This video provides a mission update from Farah Alibay, Perseverance integration lead for Ingenuity, and Tim Canham, Ingenuity operations lead. Ingenuity is the first aircraft on Mars and the first attempt at powered, controlled flight on another planet. If Ingenuity succeeds, future Mars exploration could include an ambitious aerial dimension.

For more information on Perseverance, go to https://mars.nasa.gov/perseverance.

For more information on the Mars Ingenuity helicopter, go to: https://go.nasa.gov/ingenuity.

16-bit 1920x1080 Stream

JPL-20210328-PSYCHEf-0001 **NASAs Psyche Final Assembly Begins**

Date: 3/28/21 Duration: 0:00:32

A major component of NASA's Psyche spacecraft has been delivered to the agency's Jet Propulsion Laboratory in Southern California, where the phase known as assembly, test, and launch operations is now underway. Over the next year, the spacecraft will finish assembly and undergo rigorous checkout and testing before it's shipped to Cape Canaveral, Florida, for an August 2022 launch to the main asteroid belt. The Solar Electric Propulsion (SEP) Chassis, crafted by Maxar Technologies' team in Palo Alto, California, represents more than 80% (by mass) of the hardware that will ultimately make up the Psyche spacecraft. Psyche's target is a metal-rich asteroid of the same name, which orbits the Sun in the main asteroid belt between Mars and Jupiter. Scientists think that Psyche is largely iron and nickel and could be the core of an early planet.

Credit: NASA-JPL/Caltech

16-bit 1920x1080 Edited

JPL-20210401-TECHf-0001 **Mars Helicopter Prepares for Takeoff**

Date: 4/1/21 Duration: 0:01:00

Beginning April 2021, the window opens for the first flight of NASA's Ingenuity Mars Helicopter. It will be history's first attempt at powered, controlled flight on another planet. Ingenuity arrived at Mars on February 18, 2021, riding along with NASA's Perseverance rover. Before it attempts takeoff, the Mars Helicopter must first survive the arduous journey to Mars – from the turbulent liftoff to the harrowing landing – as well as dangerously cold nights where it must maintain power to keep itself warm enough to operate. The duration of Ingenuity's mission is 30 days, where one or more test flights will be attempted.

As a technology demonstration, Ingenuity is testing a new capability for the first time: showing controlled flight is possible in the very thin Martian atmosphere. If successful, Ingenuity could lead to an aerial dimension to space exploration, aiding both robots and humans in the future.

For more about the Ingenuity Mars Helicopter, visit: mars.nasa.gov/technology/helicopter.

16-bit 3840x2160 Edited

JPL-20210401-WHATSUf-0001 **Whats Up April 2021**

Date: 4/1/21 Duration: 0:03:27

What are some skywatching highlights in April 2021?
Look for the rosy arch known as the Belt of Venus at sunset, then find the constellation Leo overhead on April evenings. Also check out Jupiter and Saturn with the Moon on April 6.

16-bit 1920x1080 Edited

JPL-20210409-TECHf-0001 **NASAs Ingenuity Mars Helicopter Prepares for Takeoff**

Date: 4/9/21 Duration: 1:28:40

Moderated by Raquel Villanueva. Features: Thomas Zurbuchen, MiMi Aung, Tim Canham, Aimee Quon, Elsa Jensen.

16-bit 1280x720 Live Multi-Cam

JPL-20210416-M2020f-0001 **April 16 Mars Report**

Date: 4/16/21 Duration: 0:03:21

As NASA's Ingenuity Mars helicopter makes progress towards its first test flight, the Mars 2020 Perseverance rover has begun preparing to test the MOXIE technology demonstration that converts Martian air into oxygen, and investigating some nearby rocks with its science instruments. This video provides a mission update from Ingenuity Chief Engineer Bob Balaram, and Perseverance Project Scientist Ken Farley.
Ingenuity is the first aircraft on Mars and will attempt the first powered, controlled flight on another planet. If Ingenuity succeeds, future Mars exploration could include an aerial dimension.

16-bit 1920x1080 Stream

JPL-20210419-TECHf-0001 **Mars Helicopter First Flight Watch Along**

Date: 4/19/21 Duration: 0:44:54

Live video shot during the first attempted flight of the Mars Helicopter Ingenuity.

16-bit 3840x2160 Live Multi-Cam

JPL-20210419-M2020f-0002 **First Video of NASA’s Ingenuity Mars Helicopter in Flight**

Date: 4/19/21 Duration: 0:00:57

The MastCam-Z captured the first flight of the Mars Helicopter.

16-bit 1280x720 Live 1-Cam

JPL-20210419-M2020f-0003 **Ingenuity First Flight Wrap**

Date: 4/19/21 Duration: 0:01:20

NASA’s Ingenuity Mars Helicopter became the first aircraft in history to make a powered, controlled flight on another planet on April 19, 2021. The Ingenuity team at NASA’s Jet Propulsion Laboratory in Southern California determined that the flight was successful after receiving data from both the helicopter and the Perseverance Mars rover.

Ingenuity is a technology demonstration. The 19-inch-tall Ingenuity Mars Helicopter contains no science instruments. Instead, the 4-pound rotorcraft will help determine whether future explorations on Mars could be conducted from the air.
Perseverance touched down at Octavia E. Butler Landing with Ingenuity attached to its belly on Feb. 18. The helicopter was deployed to the surface of Jezero Crater on April 3.

16-bit 3840x2160 Edited

JPL-20210422-TECHf-0001 **Ingenuity 2nd Flight Recap**

Date: 4/22/21 Duration: 0:00:47

NASA's Ingenuity Mars Helicopter successfully completed a second, more challenging flight on the Red Planet on April 22, 2021.
Flight Test No. 2aimed for a higher maximum altitude, longer flight time, and sideways movement. The second flight test took place at "Wright Brothers Field" in Jezero Crater, Mars. . During the 52-second flight, the helicopter climbed to 16 feet (5 meters) compared to its first takeoff of 10 feet (3 meters). It also flew about 7 feet (2 meters) sideways and turned three times. The Ingenuity team at NASA's Jet Propulsion Laboratory in Southern California determined that the flight was successful after receiving data from the helicopter and imagery from the Perseverance Mars rover.
NASA's Ingenuity Mars Helicopter became the first aircraft in history to make a powered, controlled flight on another planet on April 19, 2021.
Perseverance touched down at Octavia E. Butler Landing with Ingenuity attached to its belly on Feb. 18. The helicopter was deployed to the surface of Jezero Crater on April 3.

16-bit 1920x1080 Edited

JPL-20210425-TECHf-0001 **Ingenuity Third Flight MastcamZ Video**

Date: 4/25/21 Duration: 0:01:16

NASA's Ingenuity Mars Helicopter takes off and lands in this video captured on April 25, 2021, by Mastcam-Z, an imager aboard NASA's Perseverance Mars rover. As expected, the helicopter flew out of its field of vision while completing a flight plan that took it 164 feet (50 meters) downrange of the landing spot. Keep watching, the helicopter will return to stick the landing.
The Ingenuity Mars Helicopter was built by JPL, which also manages this technology demonstration project for NASA Headquarters. It is supported by NASA's Science Mission Directorate, Aeronautics Research Mission Directorate, and Space Technology Mission Directorate. NASA's Ames Research Center and Langley Research Center provided significant flight performance analysis and technical assistance during Ingenuity's development.
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover will characterize the planet's geology and past climate, pave the way for human exploration of the Red Planet, and be the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Subsequent NASA missions, in cooperation with ESA (European Space Agency), would send spacecraft to Mars to collect these sealed samples from the surface and return them to Earth for in-depth analysis.
The Mars 2020 Perseverance mission is part of NASA's Moon to Mars exploration approach, which includes Artemis missions to the Moon that will help prepare for human exploration of the

Red Planet. JPL, which is managed for NASA by Caltech in Pasadena, California, built and manages operations of the Perseverance rover.

16-bit 1280x720 Live 1-Cam

JPL-20210425-TECHf-0002 **Ingenuity Third Flight**

Date: 4/25/21 Duration: 0:00:38

NASA's Ingenuity Mars Helicopter completed a third challenging flight on the Red Planet on April 25, 2021.

Ingenuity's third flight achieved a longer flight time and more sideways movement than previously attempted. During the 80-second flight, the helicopter climbed to 16 feet (5 meters) and flew 164 feet (50 meters) downrange and back, for a total distance of 328 feet (100 meters). The third flight test took place at "Wright Brothers Field" in Jezero Crater, Mars, on April 25, 2021.

NASA's Ingenuity Mars Helicopter became the first aircraft in history to make a powered, controlled flight on another planet on April 19, 2021. Perseverance touched down at Octavia E. Butler Landing with Ingenuity attached to its belly on Feb. 18. The helicopter was deployed to the surface of Jezero Crater on April 3.

For more information on Ingenuity, visit : https://mars.nasa.gov/technology/helicopter/

Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20210430-TECHf-0001 **Next Steps for Ingenuity Mars Helicopter**

Date: 4/30/21 Duration: 1:17:33

Moderated by Raquel Villanueva. Features: Lori Glaze, MiMi Aung, Bob Balaram, Jennifer Trosper, Ken Farley

16-bit 1280x720 Live Multi-Cam

JPL-20210430-TECHf-0002 **Ingenuity 4th Flight Recap**

Date: 4/30/21 Duration: 0:00:34

NASA's Ingenuity Mars Helicopter successfully completed a fourth, more challenging flight on the Red Planet on April 30, 2021.

Flight Test No. 4 aimed for a longer flight time, longer distance, and more image capturing to begin to demonstrate its ability to serve as a scout on Mars. Ingenuity climbed to an altitude of 16 feet (5 meters) before flying south and back for an 872-foot (266-meter) round trip. In total, Ingenuity was in the air for 117 seconds, another set of records for the helicopter. The fourth flight lifted off from and returned to "Wright Brothers Field" in Jezero Crater, Mars.

The Ingenuity team at NASA's Jet Propulsion Laboratory in Southern California determined that the flight was successful after receiving data from the helicopter and imagery from the Perseverance Mars rover.

NASA's Ingenuity Mars Helicopter became the first aircraft in history to make a powered, controlled flight on another planet on April 19, 2021.

Perseverance touched down at Octavia E. Butler Landing with Ingenuity attached to its belly on Feb. 18, 2021. The helicopter was deployed to the surface of Jezero Crater on April 3.

For more information on this flight, visit the Ingenuity blog:
https://mars.nasa.gov/technology/helicopter/status/297/ingenuity-completes-its-fourth-flight/

16-bit 1920x1080 Edited

JPL-20210501-WHATSUf-0001 **Whats Up May 2021**

Date: 5/1/21 Duration: 0:03:28

What are some skywatching highlights in May 2021?
Beginning mid-May, find all four inner planets (including Earth!) near the western horizon after sunset. And on May 26, a supermoon total eclipse.

16-bit 1920x1080 Edited

JPL-20210506-TECHf-0001 **Listen to NASA's Ingenuity Helicopter as it Flies on Mars**

Date: 5/6/21 Duration: 0:02:44

On April 30, 2021, NASA's Perseverance rover made history as the first spacecraft to record sounds from another spacecraft on another planet. During Ingenuity's fourth flight, a microphone included with the SuperCam instrument aboard Perseverance captured the humming sound of the blades and the din of wind.
The audio is recorded in mono. Scientists made it easier to hear by isolating the 84 hertz helicopter blade sound, reducing the frequencies below 80 hertz and above 90 hertz, and increasing the volume of the remaining signal. Some frequencies were clipped to bring out the helicopter's hum, which is loudest when the helicopter passes through the field of view of the camera.
NASA's Ingenuity Mars Helicopter became the first aircraft in history to make a powered, controlled flight on another planet on April 19, 2021.
Perseverance touched down at Octavia E. Butler Landing with Ingenuity attached to its belly on Feb. 18, 2021. The helicopter was deployed to the surface of Jezero Crater on April 3.

16-bit 1920x1080 Edited

JPL-20210507-TECHf-0001 **Ingenuity 5th Flight Recap**

Date: 5/7/21 Duration: 0:00:41

NASA's Ingenuity Mars Helicopter completed its fifth flight with a one-way journey from Wright Brothers Field to a new airfield 423 feet (129 meters) to the south on May 7, 2021.
Ingenuity climbed to a new altitude record of 33 feet (10 meters). The flight is part of the rotorcraft's transition to its new operations demonstration phase. This phase will focus on investigating how a rotorcraft can be used, and demonstrate products that only a rotorcraft can provide from its aerial vantage point.
Ingenuity became the first aircraft in history to make a powered, controlled flight on another planet on April 19, 2021, from Wright Brothers Field in Jezero Crater, Mars.

16-bit 1920x1080 Edited

JPL-20210513-NISARf-0001 **Volcanoes NISAR's Portal into Earth's Interior**

Date: 5/13/21 Duration: 0:02:06

By tracking subtle changes in Earth's surface, NISAR will spot warning signs of imminent volcanic eruptions. Monitoring these kinds of changes in the planet's surface over nearly the entire globe hasn't been done before with the high resolution in space and time that NISAR will deliver.
NISAR is a joint Earth-observing mission between NASA and the Indian Space Research Organization (ISRO). NISAR will launch no earlier than 2022.

16-bit 3840x2160 Edited

JPL-20210520-M2020f-0001 **Mars Report May 20**

Date: 5/20/21 Duration: 0:04:36

NASA's Perseverance rover has been on the surface of Mars since February of 2021, joining NASA's Curiosity rover, which has been studying the Red Planet since 2012.
Perseverance is now beginning to ramp up its science mission on Mars while preparing to collect samples that will be returned to Earth on a future mission. Curiosity is ready to explore some new Martian terrain.
This video provides a mission update from Perseverance Surface Mission Manager Jessica Samuels and Curiosity Deputy Project Scientist Abigail Fraeman.

16-bit 1920x1080 Stream

JPL-20210601-WHATSUf-0001 **Whats Up June 2021**

Date: 6/1/21 Duration: 0:03:29

What are some skywatching highlights in June 2021?
Catch Saturn and Jupiter in the morning, and the constellation Scorpius after dark! Plus skywatchers in the Northeast U.S., Eastern Canada, and Northern Europe can see a partial solar eclipse on June 10.

16-bit 1920x1080 Edited

JPL-20210603-NASAf-0001 **NASA Science Live**

Date: 6/3/21 Duration: 0:58:53

NASA Science Live

24-bit 1280x720 Sat/Air Chk

JPL-20210610-M2020f-0001 **Mars Report NASAs Perseverance Rover SuperCam Instrument June 2021**

Date: 6/10/21 Duration: 0:02:13

Update on SuperCam

16-bit 1920x1080 Edited

JPL-20210625-M2020f-0001 **Taking a Selfie on Mars**

Date: 6/25/21 Duration: 0:02:12

NASA's Perseverance rover captured a historic group selfie with the Ingenuity Mars Helicopter on April 6, 2021. But how was the selfie taken? Vandi Verma, Perseverance's chief engineer for robotic operations at NASA's Jet Propulsion Laboratory in Southern California breaks down the process in this video.

Video taken by Perseverance's navigation cameras shows the rover's robotic arm twisting and maneuvering to take the 62 images that compose the image. The rover's entry, descent, and landing microphone captured the sound of the arm's motors whirring during the process. Selfies allow engineers to check wear and tear on the rover over time.
For more information on Perseverance, visit https://mars.nasa.gov/perseverance.
Credit: NASA/JPL-Caltech/MSSS

16-bit 3840x2160 Edited

JPL-20210625-TECHf-0001 **POINTER Demo**
Date: 6/25/21 Duration: 0:02:15

POINTER Demo

16-bit 3840x2160 Edited

JPL-20210630-SWOTf-0001 **Water Monitoring Satellite Moves Closer to Launch**
Date: 6/30/21 Duration: 0:02:18

The Surface Water and Ocean Topography mission (SWOT) will help scientists monitor Earth's ocean, as well as the amount of freshwater in its lakes and rivers when it launches in late 2022. After engineers put together the spacecraft's payload of scientific instruments at NASA's Jet Propulsion Laboratory in Southern California, the satellite now moves to Cannes, France, to complete integration before it will be launched in late 2022. Project manager Parag Vaze explains.
SWOT is a collaboration between NASA and the French space agency Centre National d'Etudes Spatial (CNES), with contributions from the Canadian Space Agency (CSA) and United Kingdom Space Agency (UKSA).
To learn more about the mission, visit: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech/

16-bit 3840x2160 Edited

JPL-20210701-WHATSUf-0001 **Whats Up July 2021**
Date: 7/1/21 Duration: 0:03:21

What are some skywatching highlights in July 2021?
Venus blazes as the "Evening Star" following sunset, with a much fainter planet Mars nearby. Catch their super close pairing on July 12. Plus, if you can find your way to dark skies, this is the best time of year to enjoy the magic of the Milky Way.
Additional information about topics covered in this episode of What's Up, along with still images from the video, and the video transcript, are available at https://solarsystem.nasa.gov/whats-up-skywatching-tips-from-nasa.

16-bit 1920x1080 Edited

JPL-20210721-M2020f-0001 **NASAs Perseverance Rover to Acquire First Sample VF**
Date: 7/21/21 Duration: 0:05:42

Final preparations are underway for NASA's Perseverance rover to collect the first-ever sample of Martian rock for the planned return to Earth. The six-wheeled geologist is searching for a suitable science target in a part of Jezero Crater called the "Cratered Floor Fractured Rough." This important mission milestone is expected to begin in August 2021. Perseverance landed in Jezero Crater earlier this year on Feb. 18, went through a thorough post-landing commissioning phase, and kicked off the science phase of its mission on June 1, exploring a 1.5-square-mile (4-square kilometer) patch of crater floor that may contain Jezero's deepest and most ancient layers of exposed bedrock.

16-bit 1920x1080 Edited

JPL-20210721-M2020f-0002 **Early Science and Preview to First Sample Collection**

Date: 7/21/21 Duration: 1:13:58

Moderated by Jia-Rui Cook. Panelists include Thomas Zurbuchen, Jennifer Trosper, Ken Farley, Vivian Sun, Olivier Toupet.

24-bit 1280x720 Live Multi-Cam

JPL-20210723-INSIGHf-0001 **Journey to the Center of Mars**

Date: 7/23/21 Duration: 0:59:21

Moderated by Raquel Villanueva. Panelists include Sabine Stanley, InSight Science Team, Johns Hopkins University; Mark Panning, InSight Science Team, NASA Jet Propulsion Laboratory; Amir Khan, InSight Science Team, ETH Zurich/University of Zurich

24-bit 1280x720 Stream

JPL-20210801-WHATSUf-0001 **Whats Up August 2021**

Date: 8/1/21 Duration: 0:03:25

What are some skywatching highlights in August 2021?

The best-known meteor shower of the year should be a good time this year on the peak night of Aug. 11, with no bright Moon to interfere. Jupiter and Saturn are at their best all month long. And on Aug. 22, the full moon will be a "seasonal blue moon."

16-bit 1920x1080 Edited

JPL-20210816-MSLf-0001 **NASAs Curiosity Mars Rover Finds a Changing Landscape**

Date: 8/16/21 Duration: 0:02:52

NASA's Curiosity rover explores Mount Sharp, a 5-mile-tall (8-kilometer-tall) mountain within the basin of Gale Crater on Mars.

Curiosity's Deputy Project Scientist, Abigail Fraeman of NASA's Jet Propulsion Laboratory in Southern California, gives viewers a descriptive tour of Curiosity's location. The panorama was captured by the rover's Mast Camera, or Mastcam, on July 3, 2021, the 3,167th Martian day, or sol, of its mission.

Curiosity landed nine years ago on August 5, 2012, with a mission to study whether different Martian environments could have supported microbial life in the ancient past, when long-lived lakes and groundwater existed within Gale Crater.

For more about Curiosity, visit https://mars.nasa.gov/msl/home/ and https://nasa.gov/msl/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20210826-NISARf-0001 **NISAR Agriculture**
Date: 8/26/21 Duration: 0:03:19

NISAR Agriculture

16-bit 1920x1080 Edited

JPL-20210901-WHATSUf-0001 **Whats Up September 2021**
Date: 9/1/21 Duration: 0:03:17

What are some skywatching highlights in September 2021?
Mercury provides a challenging target to spot in the fading light after sunset at the beginning of the month. Enjoy spotting two "fast" stars all month long: speedy Arcturus and fast-spinning Altair.

16-bit 1920x1080 Edited

JPL-20210910-M2020f-0001 **First Martian Sample Collection**
Date: 9/10/21 Duration: 0:57:09

Raquel Villanueava, Lori Glaze, Jessica Samuels, Matt Robinson, Katie Stack Morgan, Yulia Goreva.

24-bit 1280x720 Live Multi-Cam

JPL-20210923-M2020f-0001 **Mars Rover Update**
Date: 9/23/21 Duration: 0:02:11

NASA's Mars 2020 Perseverance rover has been hard at work using the SHERLOC (Scanning Habitable Environments with Raman & Luminescence for Organics & Chemicals) instrument to help determine the best rocks to sample and look for signs of ancient life. Mounted on the rover's robotic arm, SHERLOC is the only instrument that can directly detect organics, which are building blocks for life. Because it characterizes the chemical composition of rocks, SHERLOC can also help scientists understand whether any of the rocks formed in an ancient habitable environment. SHERLOC features spectrometers, a laser, and cameras, including WATSON (Wide Angle Topographic Sensor for Operations and eNgineering). WATSON is a color camera that takes close-up images of rock grains and surface textures. This video provides an instrument update by Eva Scheller, one of the science team members from Caltech.
For more information on Perseverance, visit https://mars.nasa.gov/perseverance.
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20211001-WHATSUf-0001 **Whats Up October 2021**
Date: 10/1/21 Duration: 0:03:10

What are some skywatching highlights in October 2021?
See several groupings of the Moon, planets, and stars at sunrise and sunset. Then get to know two bright stars that are part of a special group: along with a handful of others, they take turns

with Polaris as North Star over thousands of years. Plus, Oct. 16 is International Observe the Moon Night! Details: https://moon.nasa.gov/observe

16-bit 1920x1080 Edited

JPL-20211018-M2020f-0001 **Open Mic on Mars**

Date: 10/18/21 Duration: 0:03:15

NASA's Perseverance Mars rover carries two microphones which are directly recording sounds on the Red Planet, including the Ingenuity helicopter and the rover itself at work. For the very first time, these audio recordings offer a new way to experience the planet.
Earth and Mars have different atmospheres, which affects the way sound is heard. Justin Maki, a scientist at NASA's Jet Propulsion Laboratory and Nina Lanza, a scientist at Los Alamos National Laboratory, explain some of the notable audio recorded on Mars in this video.
For more information on Perseverance, visit https://mars.nasa.gov/perseverance.
Credit: NASA/JPL-Caltech/LANL/CNES/CNRS/IRAP/DPA

16-bit 1920x1080 Edited

JPL-20211025-CALf-0001 **Mixed Reality Meets Quantum Science**

Date: 10/25/21 Duration: 0:03:22

NASA's Cold Atom Lab – a quantum physics facility aboard the International Space Station – hosts multiple experiments that explore the fundamental nature of atoms by cooling them down to nearly absolute zero (the coldest temperature matter can reach). Earlier this year, NASA astronaut Megan McArthur tested the use of a mixed reality headset (a Microsoft HoloLens) to help keep the experiment at the cutting edge.
Though the mixed reality headset has been used in the past to assist astronauts during activities they perform alone, this is the first time it has been used to improve interaction between astronauts and team members on Earth. Members of the Cold Atom Lab team followed all relevant COVID-19 safety protocols during this activity.
You can learn more about Cold Atom Lab here: https://coldatomlab.jpl.nasa.gov/

16-bit 3840x2160 Edited

JPL-20211028-JUNOf-0001 **Juno Science Briefing**

Date: 10/28/21 Duration: 1:28:59

Raquel Villanueva, Lucas Paganini, NASA HQ, Scott Bolton, Southwest Research Institute, Marzia Parisi, JPL, Keren Duer, Weizmann Institute of Science, Leigh Fletcher, Universityu of Leicester, Alessandro Mura, Institute of Space Astrophysics and Planetology.

16-bit 1280x720 Live Multi-Cam

JPL-20211101-WHATSUf-0001 **Whats Up November 2021**

Date: 11/1/21 Duration: 0:03:12

What are some skywatching highlights in November 2021?
Enjoy the Moon and planets after sunset all month, plus a lunar eclipse! A partial lunar eclipse will be visible to much of the world on Nov. 18 and 19. Also, the familiar stars of Northern Hemisphere winter (or Southern summer) are returning to late night skies. In particular, note that several destinations of NASA's Lucy mission are located near the Pleiades.

16-bit 1920x1080 Edited

JPL-20211115-MARSf-0001 **Hows the Weather on Mars**

Date: 11/15/21 Duration: 0:02:35

Seasons change even on Mars and NASA's fleet of explorers are helping scientists learn more about the effects on the Red Planet. NASA's Perseverance and Curiosity rovers provide daily weather reports by measuring conditions such as humidity, temperature, and wind speed on the surface. Orbiters including Odyssey, Mars Atmosphere and Volatile EvolutioN (MAVEN), and the Mars Reconnaissance Orbiter (MRO) survey the scope and scale of storms from above. Changing weather conditions can be challenging for the spacecraft. The Ingenuity Mars Helicopter recently increased its rotor speed from 2,537 rpm to 2,700 rpm to fly in a thinner summer atmosphere. Meanwhile, NASA's InSight lander, which is studying Mars' interior, recently measured one of the biggest, longest-lasting marsquakes the mission has ever detected.

For more information on NASA's Mars missions, visit mars.nasa.gov.

Credit: NASA/JPL-Caltech/University of Arizona/ASU/MSSS

16-bit 3840x2160 Edited

JPL-20211201-WHATSUf-0001 **Whats Up December 2021**

Date: 12/1/21 Duration: 0:03:19

What are some skywatching highlights in December 2021?

See three planets after sunset, but say goodbye to Venus as the "Evening Star" at the end of the month. Then have a hunt for newly discovered Comet Leonard in the early morning through mid-month. Finally, get up early on Dec. 14 to watch for Geminid meteors after local moonset, around 2 a.m.

16-bit 1920x1080 Edited

JPL-20211207-SPHERXf-0001 **Exploring Cosmic Origins with NASA's SPHEREx**

Date: 12/7/21 Duration: 0:03:56

SPHEREx is NASA's latest Explorer mission in astrophysics. It's a small telescope, but it has this unique and powerful capability of doing spectroscopy everywhere.

16-bit 1920x1080 Edited

JPL-20211208-M2020f-0001 **You've Got Perseverance Call to Action**

Date: 12/8/21 Duration: 0:01:20

You've Got Perseverance Call to Action

16-bit 3840x2160 Edited

JPL-20211210-MSRf-0001 **Testing Mars Sample Return**

Date: 12/10/21 Duration: 0:02:40

Teams across multiple NASA centers and the European Space Agency are working together to prepare a set of missions that would return the samples being collected by the Mars Perseverance rover safely back to Earth. From landing on the Red Planet and collecting the

samples to launching them off the surface of Mars for their potential return to Earth, groundbreaking technologies and methods are being developed and tested.This video features some of that prototype testing underway for the proposed Sample Retrieval Lander, Mars Ascent Vehicle launch systems, and the Earth Entry System. A variety of testing is taking place at NASA's Jet Propulsion Laboratory in Pasadena, California, Marshall Space Flight Center in Greenbelt, Maryland, and Langley Research Center in Hampton, Virginia.
Learn more: https://mars.nasa.gov/msr
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20211221-M2020f-0001 **Explore Mars Jezero Crater with NASAs Perseverance Rover**

Date: 12/21/21 Duration: 0:03:04

This guided tour of Mars' Jezero Crater from NASA's Perseverance rover provides a glimpse of the Martian landscape from the rover's highest vantage point yet in the "Séítah" region. Perseverance Project Scientist Ken Farley points out highlights in this Martian panorama from the rover's Mastcam-Z instrument, including mountains that make up the crater rim, remnants of an ancient river delta that could preserve signs of ancient life, volcanic rocks, and boulders likely carried into the crater by the river in the distant past. The enhanced-color panorama was created from images taken on Nov. 28, 2021.
The color enhancement exaggerates small changes in color from place to place in the scene. This makes it easier for the science team to use their everyday experience to interpret the landscape. The sky on Mars would not actually look blue to a human explorer on the Red Planet, but pinkish.
Perseverance touched down on Mars on Feb. 18, 2021.
For more information on this panorama is available at https://photojournal.jpl.nasa.gov/catalog/PIA25022.
For more information on the Perseverance rover, visit https://mars.nasa.gov/perseverance.
Credit: NASA/JPL-Caltech/ASU/MSSS

16-bit 1920x1080 Edited

JPL-20211221-TECHf-0001 **POINTER A Beacon In The Dark**

Date: 12/21/21 Duration: 0:02:15

New technology being developed by NASA's Jet Propulsion Laboratory and the Department of Homeland Security Science and Technology Directorate for use by firefighters and paramedics will help track first responders inside hazardous environments that may be obscured by smoke and flames.
On October 27, 2021, members of the POINTER project from NASA-JPL teamed up with first responders to test the tracking technology under simulated house fire conditions. The demonstration was carried out inside a residential structure on the Caltech campus in Southern California, the same structure that was used in the April 30, 2021, demonstration.
Short for Precision Outdoor and Indoor Navigation and Tracking for Emergency Responders, POINTER began taking shape in 2014, and now the technology is being matured for use by fire departments nationwide.

During this demo, firefighters with the Pasadena Fire Department and paramedics put the technology through its paces under realistic search-and-rescue conditions. While rescues were simulated inside the structure, teammates located outside were able to track the location of their colleagues in 3D, seeing through walls and floors.
Unlike positioning technologies such as GPS or radio-frequency identification, POINTER doesn't use radio waves. Though radio waves offer a reliable means to determine your location in a relatively open space, they can become unpredictable indoors. The system utilizes magnetoquasistatic fields that can pass through walls and other construction materials, a technique developed by JPL researchers.
For more information about POINTER, see:
https://www.jpl.nasa.gov/news/pointer-seeing-through-walls-to-help-locate-firefighters
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20211227-M2020f-0001 **Perseverance Year in Review**
Date: 12/27/21 Duration: 0:02:48
What has NASA's Perseverance rover accomplished since landing on the surface of Mars in February 2021? Surface Operations Mission Manager Jessica Samuels reflects on a year filled with groundbreaking discoveries at Jezero Crater and explains the next phase of the mission.
Credit: NASA/JPL-Caltech/MSSS

16-bit 1920x1080 Edited

JPL-20220101-WHATSUf-0001 **Whats Up January 2022**
Date: 1/1/22 Duration: 0:02:49
What are some skywatching highlights in January 2022?
Stargazing is at its best on the nights around the new moon, Jan. 2. Later that night, catch the peak of the Quadrantid meteor shower. Then look for the Moon with Jupiter on Jan. 5, and with Mars and Venus on Jan. 29.

16-bit 1920x1080 Edited

JPL-20220126-OMGf-0001 **Oceans Melting Greenland Mission**
Date: 1/26/22 Duration: 0:06:10
NASA's Oceans Melting Greenland (OMG) mission recently concluded a six-year field campaign in Greenland to measure how much the ocean is contributing to global sea level rise by melting Greenland's glaciers from below. Rising sea levels caused by climate change are one of the biggest threats society faces in the next few decades
OMG's first-ever maps of the island's seafloor and glaciers have revolutionized scientists' understanding of the pace of sea level rise in the coming decades. The mission found that two to four times as many glaciers are at high risk of melting than scientists knew, and climate models that don't include the ocean's melting effect only estimate half of the glacial ice loss that will actually occur.
For more information on the mission, visit omg.jpl.nasa.gov

16-bit 3840x2160 Edited

JPL-20220201-WHATSUf-0001 **Whats Up February 2022**

Date: 2/1/22 Duration: 0:03:09

What are some skywatching highlights in February 2022?
Jupiter is the lone planet lingering in twilight skies after sunset in February. It exits the evening sky this month leaving no bright planets there until August (save for a brief appearance from Mercury in April). Also Venus is at peak brightness for the year in the a.m., and it's a great time to view the Orion Nebula.

16-bit 1920x1080 Edited

JPL-20220214-MARSf-0001 **Mars Report**

Date: 2/14/22 Duration: 0:02:40

A large dust storm on Mars, nearly twice the size of the United States, covered the southern hemisphere of the Red Planet in early January 2022, leading to some of NASA's explorers on the surface hitting pause on their normal activities. NASA's Insight lander put itself in a "safe mode" to conserve battery power after dust prevented sunlight from reaching the solar panels. NASA's Ingenuity Mars Helicopter also had to postpone flights until conditions improved.
A fleet of NASA orbiters monitor Martian dust storms like this one and serve as lifelines to Earth by relaying data from the rovers and lander on the ground back to the team. This includes the Mars Reconnaissance Orbiter, MAVEN, and Odyssey.
Odyssey, while facing its technical issue, was able to recover quickly enough to come to InSight's aid during the dust storm.
For more information on NASA's Mars missions, visit mars.nasa.gov.
Credit: NASA/JPL-Caltech/ASU/MSSS

16-bit 1920x1080 Edited

JPL-20220217-VKLECTf-0001 **Roving with Perseverance Findings From One Year on Mars**

Date: 2/17/22 Duration: 0:52:46

After a year on the planet, what can Perseverance teach us about Mars' watery past and our potential future?
Speakers:
Jennifer Trosper, Mars 2020 Project Manager, NASA/JPL
Dr. Kathryn Stack Morgan, Deputy Project Scientist, Mars 2020, NASA/JPL
Host:
Brian White, Public Services Office, NASA/JPL
Co-Host:
Nikki Wyrick, Public Services Office, NASA/JPL

16-bit 1920x1080 Stream

JPL-20220218-M2020f-0001 **Perseverance Landiversary**

Date: 2/18/22 Duration: 0:28:59

It's been one busy year for NASA's Perseverance Mars rover! Join us in the Mars Yard at the Jet Propulsion Laboratory as we celebrate the one-year anniversary of the robotic explorer's historic

Mars landing. We'll be chatting with members of the Mars 2020 team who helped make the moment happen, and they'll tell us what's next for the rover.
Speakers:
Swati Mohan – Perseverance guidance, navigation & control operations lead
Rachel Kronyak - Perseverance science operations systems engineer
Hosted by:
Raquel Villanueva - video producer and commentator

16-bit 1920x1080 Live Multi-Cam

JPL-20220301-WHATSUf-0001 **Whats Up March 2022**

Date: 3/1/22 Duration: 0:03:51

What are some skywatching highlights in March 2022?
Look for Saturn to join Venus and Mars in the morning sky around mid-month. In the evenings, find the Y-shaped constellation Taurus, the bull, high in the southwest. The Hyades star cluster forms the bull's face. Then take a tour of four easy-to-find stars that have known planets of their own orbiting them.

16-bit 1920x1080 Edited

JPL-20220304-PSYCHEf-0001 **NASAs Psyche Spacecraft Tests Out Its Solar Arrays**

Date: 3/4/22 Duration: 0:01:26

NASA's Psyche mission is preparing for a 1.5 billion-mile (2.4 billion-kilometer) solar-powered trip to the metal-rich asteroid of the same name.
In a cleanroom at NASA's Jet Propulsion Laboratory in February 2022, twin solar arrays were attached to the spacecraft body, unfolded lengthwise, and then re-stowed as tests on Psyche continue. The five-panel, cross-shaped solar arrays are the largest ever installed on a spacecraft at JPL, so engineers had to test them one at a time.
Psyche is expected to launch no earlier than August 2022. About an hour after launch, the arrays will deploy and latch into place in a sequential process that will take 7 ½ minutes per array. They will then provide power for the journey to Psyche and for operating the three science instruments. In total, the solar arrays are 37 feet (11.3 meters) long. Only the three center panels can be deployed at JPL; the two cross panels on each wing are deployed using specialized equipment at Maxar Technologies in Palo Alto, California, where the arrays and spacecraft chassis were built. When they deploy fully in flight, the spacecraft will be about the size of a singles tennis court.
Psyche is scheduled to arrive at the asteroid in 2026 and spend nearly two years making increasingly close orbits? Scientists think the asteroid Psyche could be part of the core of a planetesimal, the building block of an early rocky planet, which would provide a unique opportunity to study how planets like our own Earth formed.
For more information about NASA's Psyche mission go to: nasa.gov/psyche and psyche.asu.edu/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20220310-CLIPPRf-0001 **Europa Clipper Mission Animations**

Date: 3/10/22 Duration: 0:10:13

Animations for media and public use. These animation sequences show NASA's Europa Clipper spacecraft mission leaving Earth, deploying in space, and journeying to the Jupiter system. It will then perform multiple flybys of the icy moon Europa.

The Europa Clipper will conduct a detailed survey of Jupiter's moon Europa to determine whether the icy moon could harbor conditions suitable for life. The spacecraft, in orbit around Jupiter, will make dozens of close passes over Europa, shifting its flight path for each flyby to soar over a different location so that it eventually scans nearly the entire moon.

The Europa Clipper is expected to launch in October 2024 from Kennedy Space Center in Cape Canaveral, Florida.

For more information on the mission go to: https://europa.nasa.gov/

Credit: NASA/JPL-Caltech

3840x2160 Animation

JPL-20220315-MARSf-0001 **Mars Report**

Date: 3/15/22 Duration: 0:02:15

NASA's rovers are putting their gears in drive on Mars, making discoveries along the way. NASA's Curiosity rover captured some interesting images on Mount Sharp while heading toward an area called Greenheugh Pediment. Over in Jezero Crater, NASA's Perseverance rover and Ingenuity Mars Helicopter are both gearing up for a new destination. Perseverance is wrapping up its first science campaign on the floor of Jezero Crater and, with the help of sophisticated self-driving abilities, will head toward the remnants of a fan-shaped deposit of river sediments known as a delta to collect more samples. Ingenuity is planning updates to its software to improve operational safety.

You can make your own discoveries by visiting the raw image pages for the Curiosity rover mars.nasa.gov/msl/multimedia/raw-images/ and Perseverance rover mars.nasa.gov/mars2020/multimedia/raw-images/, which feature unprocessed images coming straight down from the rovers.

For more information on NASA's Mars missions, visit mars.nasa.gov.

Credit: NASA/JPL-Caltech/ASU/MSSS/University of Arizona

16-bit 1920x1080 Edited

JPL-20220317-VKLECTf-0001 **Moon Dance Dynamics of the Moons of the Outer Solar System**

Date: 3/17/22 Duration: 0:35:11

They are the map makers, the orbit takers. By knowing where the small moons of our solar system are, we can plan our missions. This will be a practical story of why orbits are important when looking at solar dynamics, resonances, and moons of the outer solar system.

Speaker:

Dr. Marina Brozovic, Navigation Engineer, NASA/JPL

Host:

Brian White, Public Services Office, NASA/JPL

Co-Host:

Lindsay McLaurin, Public Outreach Specialist, NASA/JPL

16-bit 1920x1080 Stream

JPL-20220331-EXOPLNf-0001 **Lifting the Veil on Exoplanet Clouds**

Date: 3/31/22 Duration: 0:03:01

NASA's James Webb Space Telescope will help scientists study exoplanets, planets beyond our solar system, like never before. Scientists are eager to have the first-ever direct observations of the weird and exotic clouds on these planets via the Webb Telescope. The observations will allow them to better understand the chemistry of the atmosphere and climate – even the planet's origin and evolution.

Clouds of vaporized rock, and perhaps even glittering gems, could fill the skies of distant worlds. Add strong winds and extreme temperatures, and you begin to catch the first glimpses of vastly different environments on planets around other stars from those in our solar system.

NASA's James Webb Telescope will deliver its first images in the summer of 2022.

For more information on the James Webb Telescope go to https://jwst.nasa.gov

For more information on exoplanets go to https://exoplanets.nasa.gov

Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20220331-WHATSUf-0001 **Whats Up April 2022**

Date: 3/31/22 Duration: 0:03:32

What are some skywatching highlights in April 2022?

The gathering of planets in the morning sky increases three to four, as Jupiter joins the party. Two close conjunctions – between Mars and Saturn, and Venus and Jupiter – provide highlights at the beginning and end of the month. And the Big Dipper hosts a surprise: a double star you just might be able to "split" with your own eyes.

16-bit 1920x1080 Edited

JPL-20220401-M2020f-0001 **Puff Whir Zap New Sounds from Mars**

Date: 4/1/22 Duration: 0:01:29

Listen closely to new sounds from Mars recorded by NASA's Perseverance Mars rover, including puffs and pings from a rover tool, light Martian wind, the whirring of the agency's Ingenuity Mars Helicopter, and laser zaps. Most of the sounds – best heard through headphones with the sound up – were recorded using the microphone belonging to Perseverance's SuperCam instrument, mounted on the head of the rover's mast. Other sounds, including the puffs and pings from the rover's Gaseous Dust Removal Tool, or gDRT, blowing shavings off rock faces, were recorded by another microphone mounted on the chassis of the rover.

A new study based on recordings made by the rover reveals that the speed of sound is slower on the Red Planet than on Earth and that, mostly, a deep silence prevails in the much thinner atmosphere. For more information on the study go to: https://

For more about Perseverance go to mars.nasa.gov/mars2020/ and nasa.gov/perseverance.

Credit: NASA/JPL-Caltech/ASU/MSSS/LANL/CNES/IRAP

16-bit 1920x1080 Edited

JPL-20220405-M2020f-0001 **How Perseverance Drives on Mars**

Date: 4/5/22 Duration: 0:02:40

NASA’s Perseverance Mars rover is using its self-driving capabilities as it treks across Jezero Crater seeking signs of ancient life and gathering rock and soil samples for planned return to Earth.

With the help of special 3D glasses, rover drivers on Earth plan routes with specific stops, but increasingly allow the rover to "take the wheel" and choose how it gets to those stops. Perseverance's auto-navigation system, known as AutoNav, makes 3D maps of the terrain ahead, identifies hazards, and plans a route around any obstacles without additional direction from controllers back on Earth.

Now the rover can drive through these more complex terrains, which helps Perseverance achieve its science goals and break driving records. The rover is traversing from an area near its landing site, "Octavia E. Butler Landing," to an area where an ancient river flowed into a body of water and deposited sediments (known as a delta).

To track Perseverance's drive, visit https://mars.nasa.gov/mars2020/mission/where-is-the-rover/.

For more information on Perseverance, visit https://mars.nasa.gov/perseverance.

Credit: NASA/JPL-Caltech//ASU/MSSS

16-bit 1920x1080 Edited

JPL-20220407-PSYCHEf-0001 **Psyche Media Reel**

Date: 4/7/22 Duration: 0:17:47

B-roll for media. NASA's Psyche mission, scheduled to launch in August, is the first to a metal-rich asteroid. This reel includes animations of the Psyche spacecraft and asteroid, and footage of engineers at a clean room at NASA’s Jet Propulsion Laboratory in Southern California. The team is assembling the spacecraft and integrating several key components, including the thrusters, the gamma ray and neutron spectrometer, and the magnetometer. The b-roll also shows the installation of NASA's Deep Space Optical Communications experiment, an independent technology demonstration that will fly on the spacecraft to test high-data-rate laser communications that could be used by future NASA missions. (It is not intended to transmit Psyche data.) The reel also includes soundbites from Psyche's principal investigator, Lindy Elkins-Tanton.

Scientists think the Psyche asteroid may consist largely of metal from the core of a planetesimal, one of the building blocks of the rocky planets in our solar system: Mercury, Venus, Earth, and Mars. If so, it could provide a unique opportunity to study how planets like our own Earth formed.

Psyche will launch no earlier than August 1, 2022, and enter orbit around the asteroid Psyche in 2026.

For more information about NASA's Psyche mission, go to: nasa.gov/psyche and psyche.asu.edu/

Credit: NASA/JPL-Caltech/ASU

16-bit 3840x2160 Edited

JPL-20220411-PSYCHEf-0001 **Psyche Media Day Reel**

Date: 4/11/22 Duration: 0:04:02

B-roll and soundbites for media and public use. As NASA's Psyche mission undergoes final preparations for the journey to its launch site, members of the media got an up-close look at the first spacecraft to visit a metal-rich asteroid in the clean room at the agency's Jet Propulsion Laboratory on April 11, 2022. Soundbites from David Oh, the Psyche project systems engineering manager at JPL, are included.

Psyche is expected to launch in August 2022. Psyche is scheduled to arrive at the asteroid in 2026 and spend nearly two years making increasingly close orbits. Scientists think the asteroid Psyche could be part of the core of a planetesimal, the building block of an early rocky planet, which would provide a unique opportunity to study how planets like our own Earth formed.

For more information about NASA's Psyche mission go to: nasa.gov/psyche and psyche.asu.edu/

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20220425-TECHf-0001 **SHIFT Media Reel**

Date: 4/25/22 Duration: 0:00:49

B-roll for media and public use. Above Santa Barbara County, scientists from NASA's Jet Propulsion Laboratory are collecting data to better understand land and aquatic ecosystems. The flights are part of the Surface Biology and Geology High-Frequency Time Series, or SHIFT, campaign, whose research plane carries the Airborne Visible/Infrared Imaging Spectrometer-Next Generation (AVIRIS-NG), an instrument designed at JPL that measures subtle characteristics of the light reflected from Earth's surface. The aerial data over widespread areas complement the more concentrated observations scientists are conducting in the field. The plane's 640-square-mile study area, which stretches from Los Padres National Forest in the east to the Central California coast and into the coastal ocean in the west, includes some of the most dynamic ecosystems in the world.

This video shows footage captured on April 20, 2022.

SHIFT is a pathfinder campaign for the proposed Surface Biology and Geology (SBG) satellite mission, which is part of NASA's Earth System Observatory, a set of future Earth-focused missions aimed at addressing climate change and its consequences for health, natural resources, hazards, and food security.

SHIFT is jointly led by JPL, The Nature Conservancy, and the University of California, Santa Barbara (UCSB).

For more information about the SHIFT campaign go to: https://www.jpl.nasa.gov/news/california-field-campaign-helping-scientists-protect-diverse-ecosystems

16-bit 3840x2160 Edited

JPL-20220429-EMITf-0001 **EMIT Mission Overview**

Date: 4/29/22 Duration: 0:02:58

Soon to be operating from the International Space Station, NASA's Earth Surface Mineral Dust Source Investigation (EMIT) mission will comprehensively measure the mineral composition of Earth's mineral dust source regions to help scientists understand how dust particles carried by

wind heat or cool our planet as they move through the atmosphere. In addition to potentially influencing warming on regional and global scales, dust can affect cloud formation, air quality, and human health. When deposited in the ocean, dust can also trigger blooms of microscopic algae.
To make these measurements, EMIT will use an imaging spectrometer to measure visible and infrared light reflecting from surfaces below. EMIT is currently scheduled to launch from NASA's Kennedy Space Center in Florida on June 7, 2022, as part of SpaceX's 25th commercial resupply services mission for NASA.
For more information on NASA's EMIT mission, visit to https://earth.jpl.nasa.gov/emit/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20220429-WHATSUf-0001 **Whats Up May 2022**

Date: 4/29/22 Duration: 0:03:54

What are some skywatching highlights in May 2022?
May provides some great planet spotting, including a close conjunction of Jupiter and Mars. At mid-month, a total eclipse of the Moon should delight skywatchers across the Americas, Europe, and Africa. And all month long, the Coma star cluster (aka, the Coma Berenices star cluster, or Melotte 111) is a great target for binoculars in the evening.

16-bit 1920x1080 Edited

JPL-20220504-AIRSf-0001 **AIRS 20th Anniversary**

Date: 5/4/22 Duration: 0:03:11

The Atmospheric Infrared Sounder (AIRS) instrument aboard NASA's Aqua satellite has been scanning Earth for 20 years and now has a long enough record to help support climate change research. AIRS data on Earth's atmosphere are improving weather forecasts and advancing our understanding of Earth's climate.
AIRS' infrared technology creates 3D maps of air and surface temperature, water vapor, and cloud properties. The infrared part of the electromagnetic spectrum is rich in information about gases, especially greenhouse gases such as ozone and carbon dioxide. The advantage of having such an instrument in orbit is the availability of rapid global coverage. AIRS data form a 'fingerprint' of the state of the atmosphere for a given time and place, contributing to climate data for future generations
NASA's Aqua satellite, with AIRS onboard, launched into Earth orbit on May 4, 2002.
To learn more about the mission, visit: https://airs.jpl.nasa.gov/
Credit: NASA/JPL-Caltech/GRL/NASA's Scientific Visualization Studio/NASA Earth Observatory

16-bit 3840x2160 Edited

JPL-20220511-SWOTf-0001 **SWOT Overview Video**

Date: 5/11/22 Duration: 0:02:38

NASA and CNES (French Space Agency) are collaborating to make the first global survey of Earth's surface fresh water and study fine-scale ocean currents with a new mission called SWOT, or Surface Water and Ocean Topography. SWOT will collect data on the height of

Earth's salt and fresh water – including oceans, lakes, and rivers – enabling researchers to track the location of water over time, which will help measure the effects of climate change.
SWOT is expected to launch from Vandenberg Space Force Base in central California in November 2022.
SWOT is a collaboration between NASA and the French space agency Centre National d'Etudes Spatial (CNES), with contributions from the Canadian Space Agency (CSA) and United Kingdom Space Agency (UK Space Agency).
To learn more about the mission, visit: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech/CNES/Thales Alenia Space

16-bit 3840x2160 Edited

JPL-20220512-EMITf-0001 **EMIT Media Reel**

Date: 5/12/22 Duration: 0:04:57

B-roll, animations, and soundbites for media and public use. Soon to be operating from the International Space Station, NASA's Earth Surface Mineral Dust Source Investigation (EMIT) mission will comprehensively measure the composition of Earth's mineral dust source regions to help scientists understand how windborne dust particles heat or cool our planet as they move through the atmosphere. In addition to potentially influencing warming on regional and global scales, dust can affect cloud formation, air quality, and human health. When deposited in the ocean, dust can also trigger blooms of microscopic algae.
To make these measurements, EMIT will use an imaging spectrometer to measure visible and infrared light reflecting from surfaces below. EMIT is scheduled to launch from NASA's Kennedy Space Center in Florida on June 7, 2022, as part of SpaceX's 25th commercial resupply services mission for NASA.
This reel includes soundbites from EMIT mission team members, animations of how EMIT will operate on the International Space Station and collect data, as well as testing that was done at NASA's Jet Propulsion Laboratory on the instrument prior to launch.
For more information on NASA's EMIT mission, visit to https://earth.jpl.nasa.gov/emit/
Credit: NASA/JPL-Caltech

24-bit 3840x2160 Edited

JPL-20220517-INSIGHf-0001 **InSight Reveals the Deep Interior of Mars**

Date: 5/17/22 Duration: 0:03:57

NASA's InSight lander touched down in the Elysium Planitia region of Mars in November of 2018. During its time on the Red Planet, InSight has achieved all its primary science goals and continues to hunt for quakes on Mars.
The mission is the first to reveal the interior structure of Mars, using marsquakes to study the layers inside the planet. InSight's seismometer was the first to detect a quake on another planet. InSight also measured weather at Elysium Planitia for four years with a unique set of meteorological sensors.
InSight has also persisted through adversity. The team found innovative ways to take on engineering challenges they encountered. InSight's findings help scientists understand how all rocky worlds, including Earth and its Moon, formed.
For more information on InSight, visit https://mars.nasa.gov/insight/

Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20220601-WHATSUf-0001 **Whats Up June 2022**

Date: 6/1/22 Duration: 0:04:04

What are some skywatching highlights in June 2022?
The morning quartet of Jupiter, Saturn, Venus, and Mars continues to shine, though they will spread farther apart over the next couple of months. Globular cluster M13, aka the H0 hercules Cluster, is best observed with a telescope, but binoculars will reveal it as a fuzzy spot. And the constellation Lyra is easily located thanks to its brightest star, Vega.

16-bit 1920x1080 Edited

JPL-20220606-CLIPPRf-0001 **Europa Clipper Main Body Arrival at JPL**

Date: 6/6/22 Duration: 0:00:49

The main body of NASA's Europa Clipper spacecraft has been delivered to the agency's Jet Propulsion Laboratory in Southern California, where assembly, test, and launch operations are underway. The structure, which is a huge component of the spacecraft, hosts electronics, radios, cabling, and the propulsion system. The June 1, 2022, arrival of the propulsion module marks a major milestone in Clipper's journey.
Clipper will conduct a detailed survey to determine whether Jupiter's icy moon Europa harbors conditions suitable for life. The spacecraft, in orbit around Jupiter, will make nearly 50 flybys of Europa, shifting its flight path for each time to soar over a different location so that it eventually scans nearly the entire moon.
Over the next two years, engineers will assemble and perform rigorous checkout and testing before the spacecraft is shipped to Cape Canaveral, Florida. It is expected to launch to Jupiter's icy moon Europa in 2024.
For more information on the mission go to: https://europa.nasa.gov/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20220622-MARSf-0001 **Mars Report**

Date: 6/22/22 Duration: 0:03:07

NASA's spacecraft on Mars are all affected by the winds of the Red Planet, which can produce a tiny dust devil or a global dust storm.
NASA's Mars Reconnaissance Orbiter Deputy Project Scientist Leslie Tamppari explains how images from the orbiter's HiRISE camera help scientists better understand Martian winds. With the help of 80,000 citizen scientists sorting through the orbiter's images, hundreds of thousands of wind "fans" were identified on the surface of Mars.
Scientists use wind to understand the climate of Mars today and in the past. These wind data can also help them study why some dust storms grow to become global and others don't. Studying wind and dust will help future spacecraft and human missions.
For more information on NASA's Mars missions, visit mars.nasa.gov.
Credit: NASA/JPL-Caltech/ASU/MSSS/University of Arizona

16-bit 1920x1080 Edited

JPL-20220630-WHATSUf-0001 **Whats Up July 2022**

Date: 6/30/22 Duration: 0:03:35

What are some skywatching highlights in July 2022? The naked-eye planets of dawn – Venus, Mars, Jupiter, and Saturn – dominate the sky, appearing more spread out each morning. Next, if you're feeling the July heat, note the origin of "the dog days" of summer has to do with the bright star Sirius. Finally, if you can find a certain teapot-shaped pattern of stars in the evening, you'll be looking toward the center of the Milky Way.

16-bit 1920x1080 Edited

JPL-20220728-EMITf-0001 **EMIT ISS Installation**

Date: 7/28/22 Duration: 0:01:19

The space station robotic arm moves the EMIT instrument to its location outside the space station module.

16-bit 1920x1080 Edited

JPL-20220801-WHATSUf-0001 **Whats Up August 2022**

Date: 8/1/22 Duration: 0:04:09

What are some skywatching highlights in August 2022? The daily parade of four naked-eye planets in the mornings comes to an end this month. But there are still lots of great highlights, especially if you have access to binoculars. Plus, Saturn and Jupiter are returning to nighttime skies! The outlook for the Perseid meteors isn't great due to a full moon on the peak night of August 12, but still it's worth keeping an eye out for early Perseids after midnight the week before. And August is a great month to learn an easy-to-spot constellation – Cygnus the swan.

16-bit 1920x1080 Edited

JPL-20220805-MARSf-0001 **Mars Report**

Date: 8/5/22 Duration: 0:03:41

NASA’s Curiosity Mars rover set out to answer a big question when it landed on the Red Planet 10 years ago: Could Mars have supported ancient life? Scientists have discovered the answer is yes and have been working to learn more about the planet’s past habitable environment.

In this Mars Report, Curiosity Deputy Project Scientist Abigail Fraeman provides an update on the rover’s capabilities a decade after landing in Gale Crater. Now, Curiosity is heading to an area that may help answer how long ancient life could have persisted on the Red Planet as Mars went through significant changes in the climate.

Read more about where Curiosity is currently exploring. Download a poster celebrating Curiosity’s 10 years on Mars here.

Some of the images in the video include color enhancement that exaggerate small changes in color from place to place in the Martian scene. This makes it easier for the science team to use their everyday experience to interpret the landscape. For instance, the sky on Mars would not actually look blue to a human explorer on the Red Planet, but pinkish.

For more information on NASA's Mars missions, visit mars.nasa.gov.

Credit: NASA/JPL-Caltech/ASU/MSSS/JHU-APL

16-bit 1920x1080 Edited

JPL-20220809-MARSf-0001 **25 Years On Mars**

Date: 8/9/22 Duration: 0:03:40

25 Years On Mars

16-bit 1920x1080 Edited

JPL-20220811-CLIPPRf-0001 **Europa Clipper Arrives in its New Home**

Date: 8/11/22 Duration: 0:00:46

This time-lapse video follows NASA's Europa Clipper spacecraft as it moves into the storied High Bay 1 clean room from a smaller clean room at the agency's Jet Propulsion Laboratory in Southern California. The multiday transport between rooms at the Lab's Spacecraft Assembly Facility and the unwrapping and positioning of the spacecraft core required thorough planning and careful choreography.

In this new location, engineers and technicians will complete assembly of the spacecraft in preparation for its launch to Jupiter's moon Europa in October 2024.

Scientists believe the ice-enveloped moon harbors a vast internal ocean that may have conditions suitable for supporting life. During nearly 50 flybys of Europa, the spacecraft's suite of science instruments will gather data on the moon's atmosphere, surface, and interior – information that scientists will use to gauge the depth and salinity of the ocean, the thickness of the ice crust, and potential plumes that may be venting subsurface water into space.

Managed by Caltech in Pasadena, California, JPL leads the development of the Europa Clipper mission in partnership with Johns Hopkins Applied Physics Laboratory (APL) in Laurel, Maryland.

For more information about Europa, visit: europa.nasa.gov

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20220816-0001-SPHERXf-0001 **Too Big for the Door How Engineers Installed a NASA Space Telescope Test Chamber**

Date: 8/16/22 Duration: 0:01:58

NASA's upcoming SPHEREx space telescope needs a custom-built test chamber to make sure its cutting-edge instruments are ready to operate in space. The telescope will create a 3D map of the entire sky. And even though the telescope's test chamber didn't exactly travel cosmic distances, its journey to Caltech required careful orchestration.

Built by the Korean Astronomy and Space Science Institute (KASI), the chamber required three years of design and construction, a monthlong boat ride across the Pacific Ocean, and a 30-ton crane to reach its destination at the university's Cahill Center for Astronomy and Astrophysics in Pasadena, California.

It was too large to fit through the main entrance of its new home, so engineers used a crane to lift a removable section of the road out front and lower two sections of the chamber into the basement.

The chamber is customized to calibrate the SPHEREx spectrometer. Spectroscopy data can reveal what an object is made of and be used to estimate an object's distance from Earth.

SPHEREx stands for the Spectro-Photometer for the History of the Universe, Epoch of Reionization and Ices Explorer. Managed by NASA's Jet Propulsion Laboratory, a division of Caltech, SPHEREx is set to launch no earlier than June 2024.
For more information about the SPHEREx mission, visit:
https://www.jpl.nasa.gov/missions/spherex/
Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20220901-WHATSUf-0001 **Whats Up September 2022**

Date: 9/1/22 Duration: 0:03:17

What are some skywatching highlights in September 2022?
Mars is on the move this month, forming a "red triangle" with bright red stars Aldebaran and Betelgeuse. Saturn and Jupiter fly with the Moon on the 9th, and then the Moon slides over closer Jupiter in the morning sky on the 11th. At the end of the month, September 23rd brings the equinox, meaning day and night are of nearly equal length, and a change of seasons is afoot.

16-bit 1920x1080 Edited

JPL-20220902-SWOTf-0001 **SWOT Media Reel**

Date: 9/2/22 Duration: 0:20:16

B-roll, animations, and soundbites for media and public use. The U.S.-European Surface Water and Ocean Topography mission (SWOT) will observe nearly all water on Earth's surface. The SUV-size satellite will help researchers understand how much water flows into and out of Earth's freshwater bodies and will provide insight into the ocean's role in how climate change unfolds. The spacecraft's science instruments will also make measurements that can help communities monitor and plan for changing water resources as well as the effects of sea level rise.
SWOT is scheduled to launch from Vandenberg Space Force Base in central California no earlier than December 2022.
SWOT is a collaboration between NASA and the French space agency Centre National d'Etudes Spatiales (CNES), with contributions from the Canadian Space Agency (CSA) and UK Space Agency.
This reel includes soundbites from SWOT mission team members, animations of how SWOT will operate and collect data, as well as testing that was done on the satellite at NASA's Jet Propulsion Laboratory in Southern California and Thales Alenia Space in Cannes, France, prior to launch.
To learn more about the mission, visit: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech and CNES/Thales Alenia Space

16-bit 1920x1080 Edited

JPL-20220906-M2020f-0001 **Perseverance Explores Jezero Crater Delta**

Date: 9/6/22 Duration: 0:03:19

NASA's Perseverance Mars Rover has arrived at an ancient delta in Jezero Crater, one of the best places on the Red Planet to search for potential signs of ancient life. The delta is an area

where scientists surmise that a river once flowed billions of years ago into a lake and deposited sediments in a fan shape.
Rachel Kronyak, a member of the Perseverance science operations team, guides the viewer through this Martian panorama and its intriguing sedimentary rocks. It's the most detailed view ever returned from the Martian surface, consisting of 2.5 billion pixels and generated from 1,118 individual Mastcam-Z images. Those images were acquired on June 12, 13, 16, 17, and 20, 2022 (the 466th, 467th, 470th, 471st, and 474th Martian day, or sol, of Perseverance's mission). In this panorama, an area called Hogwallow Flats is visible, as is Skinner Ridge, where two rock core samples were taken.
The color enhancement in this image improves the visual contrast and accentuates color differences. This makes it easier for the science team to use their everyday experience to interpret the landscape.
For more information on the Perseverance rover, visit https://mars.nasa.gov/perseverance.
Credit: NASA/JPL-Caltech/ASU/MSSS

16-bit 3840x2160 Edited

JPL-20220915-M2020f-0001 **NASAs Perseverance Mars Rover Investigate Geologically Rich Area**
Date: 9/15/22 Duration: 1:17:14
Raquel Villanuevea, Laurie Leshin, Thomas Zurbuchen, Lori Glaze, Ken Farley, David Shuster, Sunanda Sharma, Rick Welch.

24-bit 1280x720 Live Multi-Cam

JPL-20220915-M2020f-0002 **NASAs Perseverance Rover Investigates Geologically Rich Mars Terrain VF**
Date: 9/15/22 Duration: 0:03:22
NASA's Perseverance Rover Investigates Geologically Rich Mars Terrain NASA's Perseverance rover is well into its second science campaign, analyzing the composition of rocks and collecting rock samples in an area long considered by scientists to be a top prospect for finding signs of ancient microscopic life. Since July, the rover has collected four rock cores from two rocks at an ancient river delta in Mars' Jezero Crater.
Perseverance is tasked with collecting samples for potential return to Earth by future missions, and it is helping to make progress on the Mars Sample Return campaign, an international collaboration led by NASA and ESA

16-bit 1280x720 Edited

JPL-20220915-VKLECTf-0001 **Ocean Worlds Life Surveyor OWLS**
Date: 9/15/22 Duration: 0:46:32
The Ocean Worlds Life Surveyor (OWLS) is the first life detection suite to explore a wide range of size scales, from single molecules to microscopic organisms, in a water sample. OWLS is an integrated, portable, and autonomous life-detection instrument suite designed to identify and characterize life on ocean worlds. This talk will discuss why autonomy is important for this and future missions.
Speaker: Dr. Mark Wronkiewicz, Research Data Scientist

Host: Marc Razze, Public Services Office
Co-host: Nikki Wyrick, Public Services Office

16-bit 1920x1080 Stream

JPL-20220919-INSIGHf-0001 **InSight Captures Sound of a Meteoroid Striking Mars**

Date: 9/19/22 Duration: 0:01:58

NASA's InSight lander detected seismic waves from a meteoroid and was able to capture the sound of the space rock striking the surface of Mars for the first time. The meteoroid – the term used for incoming space rocks before they hit the ground – entered Mars' atmosphere on Sept. 5, 2021, exploding into at least three shards that each left craters behind. Mars' atmosphere is just 1% as dense as Earth's, allowing far more meteoroids to pass through and impact the Red Planet's surface.

This event marks the first time seismic and acoustic waves from an impact were detected on the Red Planet. Why does this meteoroid impact sound like a "bloop" in the video? It has to do with a peculiar atmospheric effect that's also observed in deserts on Earth.

After sunset, the atmosphere retains some heat accumulated during the day. Sound waves travel through this heated atmosphere at different speeds, depending on their frequency. As a result, lower-pitched sounds arrive before high-pitched sounds. An observer close to the impact would hear a "bang," while someone many miles away would hear the bass sounds first, creating a "bloop."

NASA's Mars Reconnaissance Orbiter flew over the estimated impact site to confirm the location. The orbiter used its black-and-white Context Camera to reveal three darkened spots on the surface.

After locating these spots, the orbiter's team used the High-Resolution Imaging Science Experiment camera, or HiRISE, to get a color close-up of the craters. Because HiRISE sees wavelengths the human eye can't detect, scientists change the camera's filters to enhance the color of the image. The areas that appear blue around the craters are where dust has been removed or disturbed by the blast of the impact. Martian dust is bright and red, so removing it makes the surface appear relatively dark and blue.

For more information on InSight, visit https://mars.nasa.gov/insight/.

Credit: NASA/JPL-Caltech/University of Maryland/University of Arizona/IPGP/Manchu/Bureau 21/ETH Zurich/Kirschner/van Driel

16-bit 1920x1080 Edited

JPL-20220928-CLIPPRf-0001 **Whats So Cool About Jupiters Icy Moon**

Date: 9/28/22 Duration: 0:30:49

NASA's next outer solar system mission, Europa Clipper, will gather detailed measurements of Jupiter's moon Europa. Scientists think the intriguing moon may contain a salty ocean below a miles-thick ice shell, and the Europa Clipper mission - which is scheduled for launch in 2024 - will investigate whether it could have conditions suitable for life.

Join us Sept 28th at 1:00 pm PT for a live Q&A from JPL's High Bay 1 clean room and see Europa Clipper up close in the early stages of assembly. We'll discuss what we want to learn

from Europa and what kind of instruments we will use to explore it with project staff scientist Cynthia Phillips and project system engineer Jennifer Dooley.

24-bit 1920x1080 Live Multi-Cam

JPL-20220930-WHATSUf-0001 **Whats Up October 2022**

Date: 9/30/22 Duration: 0:03:25

What are some skywatching highlights in October 2022?
Enjoy giant planets Jupiter and Saturn all night throughout the month. Then watch as Mars begins its retrograde motion, moving westward each night instead of eastward, for the next few months. Finally, check out the Orionid meteors overnight on Oct. 20.

16-bit 1920x1080 Edited

JPL-20221004-MARSf-0001 **25 Years on Mars**

Date: 10/04/22 Duration: 0:05:30

Since 1997, NASA has had a continuous presence at Mars with a series of robotic spacecraft exploring the Red Planet, including orbiters, landers, rovers and rotorcraft. The discoveries made by these missions have drastically revised our understanding of Mars as a whole, and especially as a potential habitat for ancient microbial life. These missions have also paved the way for the Mars Sample Return campaign, which would for the first time bring samples of Mars material back to Earth for detailed study using the most sophisticated, state-of-the-art labs – helping us answer the question: did life ever exist on Mars?
Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20221011-NEOWISf-0001 **NEOWISE Revealing Changes in the Universe**

Date: 10/11/22 Duration: 0:02:14

New time-lapse movies from NASA's NEOWISE mission give astronomers the opportunity to see objects, like stars and black holes, as they move and change over time. The videos include previously hidden brown dwarfs, a feeding black hole, a dying star, a star-forming region, and a brightening star. They combine more than 10 years of NEOWISE observations and 18 all-sky images, enabling a long-term analysis and a deeper understanding of the universe.
0:44 – NEOWISE all-sky scan animation
1:03 – Feeding black hole
1:14 – Pulsing star reaches the end of its life
1:21 – Protostars in star-forming region
1:34 – Brown dwarf moves across the sky
2:00 – Unexplained stellar brightening
The NEOWISE mission uses a space telescope to hunt for asteroids and comets, including those that could pose a threat to Earth. Launched in December 2009 as the Wide-Field Infrared Survey Explorer, or WISE, the space telescope was originally designed to survey the sky in infrared, detecting asteroids, stars and some of the faintest galaxies in space. WISE did so successfully until completing its primary mission in February 2011.

Observations resumed in December 2013, when the telescope was taken out of hibernation and re-purposed for the NEOWISE project as an instrument to study near-Earth objects, or NEOs, as well as more distant asteroids and comets.
For more information on the NEOWISE mission go to:
https://www.jpl.nasa.gov/missions/neowise
For more NEOWISE data go to: https://neowise.ipac.caltech.edu/
Credit: NASA/JPL-Caltech
WISE-NEOWISE movies compiled by Dan Caselden

16-bit 1920x1080 Edited

JPL-20221013-VKLECTf-0001 **Near Earth Objects Opportunities for Discoveries**

Date: 10/13/22 Duration: 0:41:56

Comets and asteroids offer clues to the chemical mixture from which the planets formed some 4.6 billion years ago. If we wish to know the composition of the primordial mixture from which the planets formed, then we must determine the chemical constituents of the leftover debris from this formation process: the comets and asteroids. This talk will discuss with how Near Earth Objects are opportunities for discovery.
Speaker: Dr. Davide Farnocchia, Navigation Engineer
Host: Marc Razze, Public Services Office
Co-host: Brian White, Public Services Office

16-bit 1920x1080 Stream

JPL-20221020-MARSf-0001 **SHIELD How to Crash Land on Mars**

Date: 10/20/22 Duration: 0:01:35

We're testing a new way of landing on Mars… by crashing into its surface.
The Simplified High Impact Energy Landing Device (SHIELD) is a lander concept being tested at NASA's Jet Propulsion Laboratory (JPL). It could one day provide a new way for low-cost missions to land on Mars.
Rather than rely on parachutes or retrorockets, SHIELD would include a collapsible, accordion-like base to absorb the energy of a landing. A full-size prototype of the base was tested on Aug. 12, 2022. The prototype was hurled at the ground from the top of a nearly 90-foot-tall (27-meter-tall) drop tower at JPL. A steel plate ensured the impact was even harder than what would be experienced on Mars.
The design worked: After crushing against the steel plate at 110 mph (177 kph), several electronic components inside the SHIELD prototype, including a smartphone, survived the impact.
Credit: NASA/JPL-Caltech/California Academy of Sciences

16-bit 1920x1080 Edited

JPL-20221025-EMITf-0001 **EMIT Telecon**

Date: 10/25/22 Duration: 0:31:35

EMIT Telecon

24-bit 1280x720 Stream

JPL-20221026-MSRf-0001 **How to Bring Mars Sample Tubes Safely to Earth**

Date: 10/26/22 Duration: 0:03:08

NASA's Perseverance Mars rover is filling sample tubes with rocky material on the Red Planet as the agency works on the next steps to get them safely back to Earth.

The Mars Sample Return campaign would bring samples collected by the Perseverance rover to Earth for detailed study. The campaign involves an international interplanetary relay team, including the European Space Agency (ESA). These samples could answer a key question: did life ever exist on Mars?

Aaron Yazzie, who works on the Mars Sample Return campaign, explains the work being done at NASA's Jet Propulsion Laboratory to ensure the safe return of the sample tubes.

For more information on Mars Sample Return, visit mars.nasa.gov/msr/

Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20221027-INSIGHf-0001 **NASA Detects Stunning Meteoroid Impact on Mars**

Date: 10/27/22 Duration: 0:29:50

Two NASA spacecraft at Mars — one on the surface and the other in orbit — have recorded the biggest meteor strikes and impact craters yet.

The high-speed barrages last year sent seismic waves rippling thousands of miles across Mars, the first ever detected near the surface of another planet, and carved out craters nearly 150 meters across, scientists reported Thursday.

The larger of the two strikes churned out boulder-size slabs of ice, which may help researchers look for ways future astronauts can tap into Mars' natural resources.

The Insight lander measured the seismic shocks, while the Mars Reconnaissance Orbiter provided stunning pictures of the resulting craters.

Participants addressing media during the press conference included: Lori Glaze, director of NASA's Planetary Science Division, NASA Headquarters; Bruce Banerdt, InSight principal investigator, NASA's Jet Propulsion Laboratory in Southern California; Liliya Posiolova, MRO, orbital science operations lead at Malin Space Science Systems, San Diego, California; and Ingrid Daubar, InSight impact science lead, Brown University, Providence, Rhode Island.

24-bit 1280x720 Live Multi-Cam

JPL-20221027-SWOTf-0001 **SWOT Impacting Communities for a Better Future**

Date: 10/27/22 Duration: 0:04:25

A new Earth science mission, led by NASA and the French space agency Centre National d'Études Spatiales (CNES), will help communities plan for a better future by surveying the planet's salt and freshwater bodies. The Surface Water and Ocean Topography (SWOT) mission will measure the height of water in lakes, rivers, reservoirs, and the oceans.

As climate change accelerates the water cycle, more communities around the world will be inundated with water while others won't have enough. SWOT data will be used to improve flood

forecasts and monitor drought conditions, providing essential information to water management agencies, civil engineers, universities, the U.S. Department of Defense, disaster preparedness agencies, and others who need to track water in their local areas. In this video, examples of how SWOT data will be used in these communities are shared by a National Weather Service representative in Oregon, an Alaska Department of Transportation engineer, researchers from the University of Oregon and University of North Carolina, a NASA Jet Propulsion Laboratory scientist working with the Department of Defense, and a JPL scientist working with the Louisiana Coastal Protection and Restoration Agency.
:30 - Flood Watches & Warnings - Portland, Oregon
1:08 - Water Management - Fern Ridge Lake, Oregon
2:05 - Protecting Infrastructure - Alaska
2:54 - National Security - Department of Defense
3:24 - Coastal Protection - Mississippi River Delta
SWOT is expected to launch from Vandenberg Space Force Base in California in December 2022.
The mission is a collaboration between NASA and CNES, with contributions from the Canadian Space Agency and UK Space Agency. JPL, which is managed for NASA by Caltech in Pasadena, California, leads the U.S. component of the project.
To learn more about the mission, visit: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech/CNES/Thales Alenia Space

16-bit 3840x2160 Edited

JPL-20221101-WHATSUf-0001 **Whats Up November 2022**

Date: 11/1/22 Duration: 0:03:41

What are some skywatching highlights in November 2022?
A total lunar eclipse brings some magic to the morning sky on November 8th, and the Leonid meteors peak after midnight on November 18th, with some glare from a 35% full moon. In addition, enjoy pretty views on other days in November when the Moon visits planets Mars and Saturn, and bright star Spica.

16-bit 1920x1080 Edited

JPL-20221111-EARTHf-0001 **Earth Water Budget Animation**

Date: 11/11/22 Duration: 0:03:43

Earth's 370 quintillion gallons of water can be found all over the planet in lakes, rivers, glaciers, oceans, and groundwater. However, only a tiny fraction of this water is usable by humans. Understanding Earth's 'water budget' – where these different forms of water exist and how they move – is an important part of understanding our planet and planning for future water needs. NASA has a fleet of satellites to help us bring Earth's water budget into focus, including upcoming missions like SWOT (Surface Water and Ocean Topography).
SWOT is scheduled to launch from Vandenberg Space Force Base in central California no earlier than December 2022.
SWOT is a collaboration between NASA and the French space agency Centre National d'Etudes Spatiales (CNES), with contributions from the Canadian Space Agency (CSA) and UK Space Agency.

To learn more about the mission, visit: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Animation

JPL-20221114-SWOTf-0001 **Ready for Launch Briefing**

Date: 11/14/22 Duration: 0:44:11

The Surface Water and Ocean Topography (SWOT) mission, led by NASA and the French space agency Centre National d'Études Spatiales (CNES), will be the first to observe nearly all water on Earth's surface, measuring the height of water in lakes, rivers, reservoirs, and the ocean. It's currently undergoing final preparations for its expected Dec. 12, 2022, launch from Vandenberg Space Force Base in central California.

Tune in as we go live from NASA's Jet Propulsion Laboratory to hear from experts behind the mission. Panel members include:

Tahani Amer, program executive, Earth Science Division, NASA Headquarters
Parag Vaze, SWOT project manager, JPL
Lee-Lueng Fu, SWOT project scientist, JPL
Ben Hamlington, research scientist, Sea Level and Ice Group, JPL
Thierry Lafon, SWOT program manager, CNES

For more information on the SWOT mission, visit https://swot.jpl.nasa.gov/ or follow #TrackingWorldWater on social media.

24-bit 1280x720 Live Multi-Cam

JPL-20221116-TECHf-0001 **Lunar Flashlight Animations Media Reel**

Date: 11/16/22 Duration: 0:02:43

Animations for media and public use. These animation sequences show NASA's Lunar Flashlight SmallSat deploying in space, journeying to the Moon, and swooping low over the lunar South Pole gathering data from orbit.

NASA is sending Lunar Flashlight, a small satellite (or SmallSat) no larger than a briefcase, to find out whether surface water ice is present inside some of the Moon's darkest craters. Swooping low over the lunar South Pole, the SmallSat will use lasers to shed light on these permanently shadowed craters. Lunar Flashlight will be the first mission to use a four-laser reflectometer to look for water ice on the Moon. The reflectometer works by using near-infrared wavelengths that are readily absorbed by water to identify ice on the surface. As a technology demonstration, Lunar Flashlight will also be the first interplanetary spacecraft to use a new kind of "green" propellant that is safer to transport and store than the commonly used in-space propellants such as hydrazine.

0:15 - Lunar Flashlight release and solar array deployment
0:33 - Cruise to the Moon and orbital insertion
0:50 - Approaching the Moon's South Pole
1:03 - Scanning the Moon's craters with multicolored lasers as the Earth rises on the lunar horizon
1:23 - Lunar Flashlight detecting surface water ice at the bottom of some dark craters

1:43 - Animation of the Moon orbiting Earth when Lunar Flashlight is launched; the spacecraft's path is depicted through its cruise phase, trajectory correction maneuver (TCM) burn, and Moon orbital insertion, after which its science phase begins.
2:20 - Animation depicting Lunar Flashlight's highly elongated orbit around the Moon after orbital insertion
The mission is scheduled to launch aboard a SpaceX Falcon 9 rocket in November 2022 as a secondary payload with the Japanese Hakuto-R lander and United Arab Emirate's Rashid 1 rover from Cape Canaveral Space Force Station in Florida. NASA's Jet Propulsion Laboratory, a division of Caltech in Pasadena, is managing the Lunar Flashlight mission for the agency.
For more information on the mission go to: https://www.jpl.nasa.gov/missions/lunar-flashlight
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20221117-MSRf-0001 **MSR Animation Trailer**

Date: 11/17/22 Duration: 0:01:46

NASA and the European Space Agency are developing plans for one of the most ambitious campaigns ever attempted in space: bringing the first samples of Mars material safely back to Earth for detailed study. The diverse set of scientifically curated samples now being collected by NASA's Mars Perseverance rover could help scientists answer the question of whether ancient life ever arose on the Red Planet.
Bringing samples of Mars to Earth for future study would happen in several steps with multiple spacecraft, and in some ways, in a synchronized manner. This short animation features key moments of the Mars Sample Return campaign: from landing on Mars and securing the sample tubes to launching them off the surface and ferrying them back to Earth.
Animation is contributed by NASA's Jet Propulsion Laboratory, the European Space Agency, Goddard Space Flight Center, and Marshall Space Flight Center.
Learn more: https://mars.nasa.gov/msr .
Credit: NASA/ESA/JPL-Caltech/GSFC/MSFC

16-bit 3840x2160 Animation

JPL-20221117-SWOTf-0001 **Inside the Clean Room Earth Satellite Nears Launch**

Date: 11/17/22 Duration: 0:30:40

Raquel Villanueava, Phoebe Rhoses-Wickett, Emilee Richardson, Matt Archer, Eva Peral,

24-bit 1920x1080 Live Multi-Cam

JPL-20221122-SOLSYSf-0001 **Orion Dust and Death**

Date: 11/22/22 Duration: 0:02:08

Enjoy a moment of Zen with this fly-through of the Orion Nebula, based on images captured by NASA and ESA (European Space Agency) telescopes The image shows infrared light, or wavelengths that the human eye cannot see. Stars radiate little or no light in these wavelengths, so the image shows only dust.
The blue light indicates warm dust, heated by radiation from large, bright stars that can release up to one million times more light than our Sun. All that radiation breaks apart dust grains and

carves out cavities, like the two blue “bubbles” in the image. Much of the remaining dust is then swept away by winds from the stars or when the stars die explosive deaths as supernovae. Around the edge of the two cavernous regions, the dust that appears green is slightly cooler. Red indicates cold dust that reaches temperatures of about minus 440 Fahrenheit (minus 260 Celsius). A cold ribbon of dust starts near the bottom right of the image and threads throughout the nebula. Red and orange filaments like these are where dust condenses and forms new stars. Over time, these filaments may produce new giant stars that will once again reshape the region.

These images were captured by the now-retired Herschel Space Telescope, an ESA observatory, NASA’s retired Spitzer Space Telescope, and NASA’s Wide-Field Infrared Survey Explorer (WISE), which now operates under the moniker NEOWISE. Spitzer and WISE were both managed by NASA’s Jet Propulsion Laboratory, a division of Caltech, in Southern California.

For more information about NASA’s Spitzer mission, go to:
https://www.ipac.caltech.edu/project/spitzer

For more information about WISE, go to:
https://www.nasa.gov/mission_pages/WISE/main/index.html

Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20221122-SWOTf-0001 **SWOT Mission Makers Trailer**

Date: 11/22/22 Duration: 0:01:26

Meet some of the scientists and engineers contributing to a new Earth science mission, led by NASA and the French space agency Centre National d’Études Spatiales (CNES). The Surface Water and Ocean Topography (SWOT) satellite will make the first global survey of nearly all water on Earth’s surface and address some of the most pressing climate change questions of our time.

In this video series, you will be introduced to four team members on the SWOT mission: hydrologist Cedric David, estuary and wetland scientist Marc Simard, integration and test engineer Christine Gebara, and NASA program executive Tahani Amer.

The SWOT mission is a collaboration between NASA and CNES, with contributions from the Canadian Space Agency (CSA) and the UK Space Agency. NASA’s Jet Propulsion Laboratory, a division of Caltech in Pasadena, California, manages the mission for NASA.

SWOT is expected to launch in December 2022.

For more information about the international SWOT mission go to: https://swot.jpl.nasa.gov/

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20221122-SWOTf-0002 **SWOT Mission Makers Cedric David**

Date: 11/22/22 Duration: 0:02:42

Cedric David is part of the science team behind the international Surface Water and Ocean Topography (SWOT) satellite, a mission led by NASA and the French space agency Centre National d’Études Spatiales (CNES). SWOT will make the first global survey of nearly all the water on Earth’s surface.

Born in France, David is now a researcher at NASA's Jet Propulsion Laboratory in Southern California. Water was the one place where David felt comfortable growing up, and now he studies the world's rivers. In a visit to Castaic Lake in California, David describes what drives him: the preciousness of water as a resource for everyone around the world.
The SWOT mission is a collaboration between NASA and CNES, with contributions from the Canadian Space Agency (CSA) and the UK Space Agency. SWOT is expected to launch in December 2022.
For more information about SWOT, go to: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20221122-SWOTf-0003 **SWOT Mission Makers Christine Gebara**

Date: 11/22/22 Duration: 0:02:04

Christine Gebara is part of the team building the international Surface Water and Ocean Topography (SWOT) satellite, a mission led by NASA and the French space agency Centre National d'Études Spatiales (CNES). SWOT will make the first global survey of nearly all the water on Earth's surface.
Gebara, an integration and test engineer at NASA's Jet Propulsion Laboratory in Southern California, fell in love with engineering while learning to sail near her childhood home in Houston. She loves the water and is excited about SWOT's ability to help us better track its movement through lakes, reservoirs, rivers, and the ocean.
The SWOT mission is a collaboration between NASA and the CNES, with contributions from the Canadian Space Agency (CSA) and the UK Space Agency. SWOT is expected to launch in December 2022.
For more information about SWOT, go to: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20221122-SWOTf-0004 **SWOT Mission Makers Marc Simard**

Date: 11/22/22 Duration: 0:02:15

Marc Simard is part of the science team behind the international Surface Water and Ocean Topography (SWOT) mission, led by NASA and the French space agency Centre National d'Études Spatiales (CNES). SWOT will make the first global survey of nearly all the water on Earth's surface.
Simard, a researcher at NASA's Jet Propulsion Laboratory in Southern California, developed a passion for the environment during his early school years in Quebec, Canada, and now focuses his scientific work on estuaries and wetlands. He believes SWOT will provide critical data on the Mississippi River delta and deltas around the world, helping us understand how deltas are affected by sea level rise and climate change.
The SWOT mission is a collaboration between NASA and CNES, with contributions from the Canadian Space Agency (CSA) and the UK Space Agency. SWOT is expected to launch in December 2022.
For more information about SWOT, go to: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20221122-SWOTf-0005 **SWOT Mission Makers Tahani Amer**

Date: 11/22/22 Duration: 0:02:15

Tahani Amer oversees several Earth science missions for NASA, including the international Surface Water and Ocean Topography (SWOT) satellite, a mission led by NASA and the French space agency Centre National d'Études Spatiales (CNES). SWOT]will make the first global survey of nearly all the water on Earth's surface.

Amer grew up in Egypt and was inspired by her father, who worked on dams on the Nile River and supported her career in science. She earned multiple degrees in the U.S. and went to work at NASA's Langley Research Center, eventually rising to become a program executive at the agency's headquarters in Washington.

The SWOT mission is a collaboration between NASA and CNES, with contributions from the Canadian Space Agency (CSA) and the UK Space Agency. SWOT is expected to launch in December 2022.

For more information about SWOT, go to: https://swot.jpl.nasa.gov/

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20221201-WHATSUf-0001 **Whats Up December 2022**

Date: 12/1/22 Duration: 0:03:33

What are some skywatching highlights in December 2022?

The Moon sweeps past Jupiter twice this month, and actually covers Mars completely, in an event called an occultation, on Dec. 7. The event is visible across the U.S., except for the Southeast and East Coast, where the Moon will graze closely past Mars. And throughout the month, you can find Pegasus, the winged stallion, high overhead in the south.

16-bit 1920x1080 Edited

JPL-20221214-SWOTf-0001 **SWOT PreLaunch Science Briefing**

Date: 12/14/22 Duration: 0:51:56

The Surface Water and Ocean Topography (SWOT) mission, led by NASA and the French space agency Centre National d'Études Spatiales (CNES), is days away from launch. Once in orbit, it will survey nearly all water on Earth's surface for the first time and help address some of our time's most pressing climate change questions. Why is SWOT important, and how will it affect people's lives around the globe?

In this science briefing, experts on the mission will provide insight into how the instruments aboard SWOT will gather essential data on water, one of our planet's most vital resources.

Participants:

Katherine Calvin, chief scientist and senior climate advisor, NASA

Nadya Vinogradova Shiffer, SWOT program scientist, NASA

Tamlin Pavelsky, SWOT hydrology science lead, University of North Carolina

Benjamin Hamlington, research scientist, Sea Level and Ice Group, NASA's Jet Propulsion Laboratory

Selma Cherchali, Earth observation program head, CNES

24-bit 1280x720 Live Multi-Cam

JPL-20221214-SWOTf-0002 **SWOT PreLaunch Mission Briefing**
Date: 12/14/22 Duration: 0:44:27

The Surface Water and Ocean Topography (SWOT) mission, led by NASA and the French space agency Centre National d'Études Spatiales (CNES), is expected to launch from Vandenberg Space Force Base in central California on Dec. 15, 2022, at 3:46 a.m. PT / 6:46 a.m. ET.
Join experts from NASA, CNES, SpaceX, and the U.S. Space Force to discuss the prelaunch status of the mission.
Participants:
Karen St. Germain, Earth Science Division director, NASA
Thierry Lafon, SWOT project manager, CNES
Tim Dunn, launch director, NASA's Launch Services Program
Julianna Scheiman, civil satellite missions director, SpaceX
Parag Vaze, SWOT project manager, NASA's Jet Propulsion Laboratory
Capt. Zack Zounes, launch weather officer, U.S. Space Force

24-bit 1280x720 Live Multi-Cam

JPL-20221214-SWOTf-0003 **NASA Edge SWOT PreLaunch Show**
Date: 12/14/22 Duration: 0:54:33

NASA EDGE provides coverage for the upcoming Surface Water & Ocean Topography Mission (SWOT) Launch. Guests include Program Executive Tahani Amer, Satellite Project Manager (TAS) Christophe Duplay, SWOT Mechanical Engineer Christine Gegara, and many more! Go SWOT!

24-bit 1280x720 Live Multi-Cam

JPL-20221216-SWOTf-0001 **SWOT Launch Recap**
Date: 12/16/22 Duration: 0:01:28

Highlights from the Dec. 15, 2022, launch of the Surface Water and Ocean Topography (SWOT) satellite, a mission led by NASA and the French space agency Centre National d'Études Spatiales (CNES). SWOT lifted off from Vandenberg Space Force Base in California aboard a SpaceX Falcon 9 rocket at 3:46 a.m. PST (6:46 a.m. EST).
The mission will make the first global survey of nearly all water on Earth's surface and address some of the most pressing climate change questions of our time.
SWOT is a collaboration between NASA and CNES, with contributions from the Canadian Space Agency (CSA) and the UK Space Agency.
For more information about SWOT, go to: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech

16-bit 1280x720 Edited

JPL-20221222-MARSf-0001 **Mars Report December 2022**
Date: 12/22/22 Duration: 0:03:11

Snow falls and ice and frost form on Mars, too. NASA's spacecraft on and orbiting the Red Planet reveal the similarities to and differences from how we experience winter on Earth. Mars scientist Sylvain Piqueux of NASA's Jet Propulsion Laboratory explains how images and data collected from NASA's Viking, Phoenix, Mars Odyssey, Mars Reconnaissance Orbiter missions can help scientists better understand the processes behind a winter on Mars. On the Red Planet, where both carbon dioxide and water can take the form of ice and frost, scientists study these frosty landscapes and unusual formations to understand the climate of Mars today and in its past. Analyzing the ice on Mars will also help future human missions.
For more information on NASA's Mars missions, visit mars.nasa.gov.
Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20221228-SWOTf-0001 **KaRIn Deployment**

Date: 12/28/22 Duration: 0:01:07

Two cameras aboard the Surface Water and Ocean Topography (SWOT) satellite captured the large mast and antenna panels of the spacecraft's main science instrument deploying over four days, a process that was completed on Dec. 22, 2022. The masts, which unfold from opposite sides of the spacecraft, can be seen extending out from the spacecraft and locking in place, but the cameras stopped short of capturing the antennas at the ends of the masts being fully deployed (a milestone the team confirmed with telemetry data). This video places the two camera views side by side.
Located 33 feet (10 meters) apart, the two antennas belong to the groundbreaking Ka-band Radar Interferometer (KaRIn) instrument, which will measure the height of water on over 90% of Earth's surface and provide a high-definition survey of our planet's water for the first time.
Launched from Vandenberg Space Force Base in central California on Dec. 16, 2022, SWOT is a collaboration between NASA and the French space agency Centre National d'Etudes Spatiales, with contributions from the Canadian Space Agency and UK Space Agency.
The mission used two customized commercial cameras aboard the satellite (the same type used to capture NASA's Perseverance rover landing on Mars) to capture the antenna deployment process.
To learn more about the mission, visit: https://swot.jpl.nasa.gov/
Credit: NASA/JPL-Caltech/CNES

16-bit 1920x1080 Edited

JPL-20221229-WHATSUf-0001 **Whats Up January 2023**

Date: 12/29/22 Duration: 0:03:24

What are some skywatching highlights in January 2023?
Some lovely groupings this month include the Moon with Mars, and later with Jupiter, and a close conjunction of Venus and Saturn. The brilliant stars of the Northern Hemisphere's winter sky are a dazzling sight all month long. And a comet discovered last March makes its closest approach to Earth in January, gracing pre-dawn skies.

16-bit 1920x1080 Edited

JPL-20230125-CLIPPRf-0001 **Ada Limon**

Date: 1/25/23 Duration 0:01:09

U.S. Poet Laureate Ada Limón is writing an original poem dedicated to NASA's Europa Clipper mission. The poem will be engraved on the spacecraft, as a way to connect the water world of our home planet Earth with another world with water in our solar system (Jupiter's moon, Europa).

Europa Clipper will travel 1.8 billion miles on its path to the Jupiter system. The poem will be part of an upcoming NASA-led program that will invite international public participation.

The spacecraft is set to launch from NASA's Kennedy Space Center in October 2024, and by 2030, it will be in orbit around Jupiter. It will conduct multiple flybys of the planet's icy moon Europa to gather detailed measurements and determine if the moon has conditions suitable for life.

Europa is thought to contain a massive internal ocean and is considered one of the most promising habitable environments in our solar system, beyond Earth.

Limón was appointed 24th Poet Laureate Consultant in Poetry by Librarian of Congress Carla Hayden in 2022. The Library of Congress is the world's largest library, offering access to the creative record of the United States — and extensive materials from around the world — both on site and online. It is the main research arm of the U.S. Congress and the home of the U.S. Copyright Office.

More information about the Europa Clipper mission is available at europa.nasa.gov/

16-bit 1920x1080 Edited

JPL-20230131-WHATSUf-0001 **Whats Up February 2023**

Date: 1/31/23 Duration: 0:03:32

What are some skywatching highlights in February 2023?

See Jupiter and Venus appear nearer each night, as they head for a close conjunction at the start of March. Use bright stars Capella and Elnath to identify the constellation Auriga, and then find your way to two distant star clusters using Sirius as a guidepost.

16-bit 1920x1080 Edited

JPL-20230203-NISARf-0001 **NISAR Send Off Video File**

Date: 2/3/23 Duration: 0:09:53

Video file for media and public use. It's nearly time for the scientific heart of NISAR – an Earth science satellite being jointly built by NASA and the Indian Space Research Organization (ISRO) – to ship out from NASA's Jet Propulsion Laboratory in Southern California to the next stop on its journey toward launch: southern India. Before its departure, members of the media got a chance to see the radar instruments that will collect data up close in a clean room and observe a send-off ceremony involving the breaking of coconuts and sharing of peanuts, traditions at ISRO and JPL, respectively.

For more information on the mission go to: https://nisar.jpl.nasa.gov/

16-bit 1920x1080 Edited

JPL-20230207-MSLf-0001 **Curiosity Finds New Clues to Mars Watery Past**

Date: 2/7/23 Duration: 0:03:10

NASA’s Curiosity Mars rover has discovered lots of evidence of ancient lakes on the Red Planet – and this recent panorama shows intriguing new clues.
Curiosity, which landed on Mars in 2012, is currently exploring a unique feature known as the “Marker Band” in the foothills of Mount Sharp. Rocks in this area show the clearest evidence yet for waves the mission has ever seen: rippled textures that formed billions of years ago, as waves on the surface of a shallow lake stirred up sediment on the lake bottom.
Farther up the mountain, Curiosity can see more evidence of ancient water: wet landslides caused boulders and other debris to slip down into a valley. Curiosity caught a glimpse of this debris from a distance, but the rover's team hopes to get a closer look later in 2023.
For more information on NASA's Curiosity rover, visit mars.nasa.gov/msl.
For more on NASA’s Mars missions, visit mars.nasa.gov.
Credit: NASA/JPL-Caltech/MSSS/University of Arizona

16-bit 3840x2160 Edited

JPL-20230306-NISARf-0001 **How to Pack a Spacecraft**

Date: 3/6/23 Duration: 0:02:37

Part of a partnership between NASA and the Indian Space Research Organisation (ISRO), the spacecraft known as NISAR – short for NASA-ISRO Synthetic Aperture Radar – recently moved one step closer to being able to study changes to the land and ice on Earth. Take a behind-the-scenes trip with NISAR Mechanical Integration Lead Scott Nowak into the clean room at NASA’s Jet Propulsion Laboratory in Southern California as he highlights the NISAR team’s work to assemble the satellite’s science instrument payload and to pack it up to ship out to ISRO’s satellite facility in Bengaluru, India. Technicians and engineers there will integrate the instruments into the main body, or bus, of the satellite, and put it through further testing in preparation for a 2024 launch.
For more information on the mission go to: https://nisar.jpl.nasa.gov/.

16-bit 3840x2160 Edited

JPL-20230331-WHATSUf-0001 **Whats Up April 2023**

Date: 3/31/23 Duration: 0:04:31

What are some skywatching highlights in April 2023?
Mercury reaches its highest in the evening sky for the year for Northern Hemisphere observers. The Moon makes its monthly rounds to pair up beautifully with several planets. And viewing conditions may be ideal for the annual Lyrid meteor shower, thanks to no interference from the Moon.

16-bit 1920x1080 Edited

JPL-20230403-TECHf-0001 **Mars Report Ingenuity Updates April 2023**

Date: 4/3/23 Duration: 0:02:39

NASA’s Ingenuity Mars Helicopter made history when it achieved the first powered, controlled flight on another planet – and it’s inspiring future aerial exploration of the Red Planet, too. In this Mars Report, Ingenuity Team Lead Teddy Tzanetos at NASA’s Jet Propulsion Laboratory provides an update on the helicopter’s achievements and future plans.

This video shows testing for Sample Recovery Helicopters, which could serve as a backup retrieval system for Mars Sample Return, a campaign that intends to retrieve samples taken by NASA's Perseverance Mars rover for study here on Earth. These next-generation helicopters would be able to pick up and carry sample tubes in flight and also drive on the Martian surface. Another future helicopter concept is the Mars Science Helicopter, a proposed six-rotor "hexacopter" that would be about the size of the Perseverance rover. It would bring important payloads to areas of Mars that are not currently accessible.
For more information on Ingenuity, go to: mars.nasa.gov/ingenuity
For more information on the Mars Sample Retrieval Helicopters, go to: mars.nasa.gov/msr/
Credit: NASA/JPL-Caltech/ASU

16-bit 3840x2160 Edited

JPL-20230406-TECHf-0001 **Ingenuity Flight Update Media Reel**

Date: 4/6/23 Duration: 0:05:54

B-roll for media and public use. NASA's Ingenuity Mars helicopter made history when it achieved the first powered, controlled flight on another planet on April 19, 2021. As Ingenuity approaches its 50th successful flight, this reel highlights flights from the Perseverance rover's WATSON and Mastcam-Z cameras, as well as Ingenuity's color Return to Earth (RTE) camera and its black-and-white navigation camera. Also included is video of Ingenuity's deployment, blade testing, the helicopter's first flight with team celebrations, and scenic shots of the Martian landscape.
Credit for all segments, unless otherwise indicated on the slate, is NASA/JPL-Caltech.
For more information on Ingenuity, go to: mars.nasa.gov/ingenuity
Credit: NASA/JPL-Caltech; WATSON images: NASA/JPL-Caltech/MSSS; Mastcam-Z images: NASA/JPL-Caltech/ASU/MSSS

16-bit 1920x1080 Edited

JPL-20230420-VKLECTf-0001 **Earth Surface Mineral Dust Source Investigation EMIT Mission**

Date: 4/20/23 Duration: 0:31:58

When strong winds on one continent stir up mineral rock dust, those airborne particles can travel thousands of miles and affect entirely different continents. The suspended dust in the air can heat or cool the atmosphere and Earth's surface. That heating or cooling effect is the focus of NASA's Earth Surface Mineral Dust Source Investigation (EMIT) mission, which will measure the surface composition of Earth's deserts and arid regions, helping us understand the impacts dust has on the planet's climate.
EMIT's versatile imaging spectrometer can also help map super-emitters of methane — a powerful greenhouse gas — from space, and is already contributing to meaningful climate action.
Speaker:
Dr. Robert Green, Principal Investigator, EMIT, NASA/JPL
Host:
Nikki Wyrick, Public Services Office, NASA/JPL
Co-host:

Jocelyn Argueta, Public Outreach Specialist, NASA/JPL

16-bit 1920x1080 Stream

JPL-20230424-CLIPPRf-0001 **Spacecraft Makers Episode 01**

Date: 4/24/23 Duration: 0:03:46

Join team members from NASA's Europa Clipper mission behind the scenes in a clean room at NASA's Jet Propulsion Laboratory to learn about the design of this spacecraft that will visit Europa, an icy moon of Jupiter. Europa Clipper Project Manager Jordan Evans and Deputy Science Manager Trina Ray explain how scientists' questions translate into hardware, and they provide an update on the build in JPL's clean room, pointing out hardware that will connect the spacecraft to the rocket, the main communication antenna, and cameras.

Spacecraft Makers is a video series that takes audiences behind the scenes to learn more about how space missions, like Europa Clipper, come together. Europa Clipper will explore this icy moon of Jupiter to see if there are conditions suitable for life. The spacecraft needs to be hardy enough to survive a 1.6-billion-mile, six-year journey to Jupiter – and sophisticated enough to perform a detailed science investigation of Europa once it arrives at the Jupiter system in 2030.

Europa Clipper is expected to launch in October 2024 from Kennedy Space Center in Cape Canaveral, Florida.

Viewers also can watch a 24-hour live feed of the spacecraft in the clean room here.

For more information on the mission go to: https://europa.nasa.gov/.

16-bit 3840x2160 Edited

JPL-20230501-WHATSUf-0001 **Whats Up May 2023**

Date: 5/1/23 Duration: 0:04:10

What are some skywatching highlights in May 2023?

Venus reaches its highest point in the evening sky for the year, while Jupiter disappears behind the Moon for some U.S. observers. Plus, some key differences in the Southern Hemisphere's skies compared to those of the North.

16-bit 1920x1080 Edited

JPL-20230503-M2020f-0001 **Sample Tube Depot**

Date: 5/3/23 Duration: 0:02:09

Celebrate the completion of the first sample depot – or scientifically curated collection of rock and soil samples – on another world with NASA's Perseverance rover team. The diverse set of scientifically curated samples could help scientists answer the question of whether ancient life ever arose on the Red Planet.

On Jan. 29, 2023, the Perseverance rover placed a 10th sample tube on the surface of Mars, providing the NASA-ESA Mars Sample Return campaign a backup option to recover rock and soil samples for potential return to Earth in the future.

Note: In some clips, team members are wearing orange construction hats as a playful nod to the "sample depot construction" that was being undertaken on Mars.

Learn more about Perseverance: https://mars.nasa.gov/mars2020/ .

For details on each of the samples see: https://mars.nasa.gov/mars-rock-samples/ .

Learn more about Mars Sample Return: https://mars.nasa.gov/msr .
Credit: NASA/JPL-Caltech; ESA; WATSON images: NASA/JPL-Caltech/MSSS; Mastcam-Z images: NASA/JPL-Caltech/ASU/MSSS

16-bit 3840x2160 Edited

JPL-20230508-EELSf-0001 **EELS Media Reel**

Date: 5/8/23 Duration: 0:08:20

B-roll for media. A team at NASA's Jet Propulsion Laboratory is creating and testing a snake-like robot called EELS (Exobiology Extant Life Surveyor). Inspired by a desire to descend vents on Saturn's icy moon Enceladus and enter the subsurface ocean, this versatile snake robot is being developed by JPL to autonomously map, traverse, and explore previously inaccessible destinations on Earth, the Moon, and other worlds in the solar system.

The reel includes tests conducted between 2019 and 2023 in a variety of sandy, snowy, and icy environments, including the Mars-like terrain at JPL's Mars Yard, a "robot playground" created at a ski resort in the snowy mountains of Southern California, and even an indoor ice rink. It also includes a narrated animation of the initial EELS concept of operations at Enceladus.

In its current form, the EELS 1.0 robot weighs about 220 pounds (100 kilograms) and is 13 feet (4 meters) long.

EELS is funded by the Office of Technology Infusion and Strategy at JPL in Southern California through a technology accelerator program called JPL Next. JPL is managed for NASA by Caltech in Pasadena, California. The EELS team has worked with a number of university partners on the project, including Arizona State University, Carnegie Mellon University, and University of California, San Diego. The robot is not currently part of any NASA mission.

For more information on the project go to:
https://www-robotics.jpl.nasa.gov/how-we-do-it/systems/exobiology-extant-life-surveyor-eels/

16-bit 1920x1080 Edited

JPL-20230508-EELSf-0002 **Testing Out JPLs New Snake Robot**

Date: 5/8/23 Duration: 0:02:05

A team at NASA's Jet Propulsion Laboratory is creating and testing a snake-like robot called EELS (Exobiology Extant Life Surveyor). Inspired by a desire to descend vents on Saturn's icy moon Enceladus and enter the subsurface ocean, this versatile robot is being developed to autonomously map, traverse, and explore previously inaccessible destinations on Earth, the Moon, and other worlds in our solar system.

The robot has been put to the test in sandy, snowy, and icy environments, including the Mars-like terrain at JPL's Mars Yard, a "robot playground" created at a ski resort in the snowy mountains of Southern California, and even an indoor ice rink.

Because of the long communications lag time between Earth and deep space, EELS is designed to autonomously sense its environment, calculate risk, travel, and gather data with yet-to-be-determined science instruments. When something goes wrong, the goal is for the robot to recover on its own, without human assistance.

The project team began building the first prototype in 2019, and has been making continual revisions. They've been trying out white, 3D-printed plastic screws for testing on looser terrain

like sand and soft snow, as well as sharper, black metal screws for ice. In its current form, the EELS 1.0 robot weighs about 220 pounds (100 kilograms) and is 13 feet (4 meters) long.
EELS is funded by the Office of Technology Infusion and Strategy at JPL in Southern California through a technology accelerator program called JPL Next. JPL is managed for NASA by Caltech in Pasadena, California. The EELS team has worked with a number of university partners on the project, including Arizona State University, Carnegie Mellon University, and University of California, San Diego. The robot is not currently part of any NASA mission.
For more information on the project go to:
https://www-robotics.jpl.nasa.gov/how-we-do-it/systems/exobiology-extant-life-surveyor-eels/

16-bit 1920x1080 Edited

JPL-20230518-VKLECTf-0001 **InSight End of Mission Our Time on Mars**

Date: 5/18/23 Duration: 0:43:50

The InSight mission to Mars began its journey to the red planet in May 2018.
Upon its arrival in November of that year, InSight began an ambitious mission to reveal the internal structure of Mars. The lander detected over 1000 Mars seismic events, studied the Martian weather, and even found magnetic “ghosts” from an old electrical field.
The mission ended 4 years after it began, when the solar panels finally succumbed to the dust deposition that prevented them from generating power.
Speakers:
Dr. Mark Panning, Project Scientist, InSight, NASA/JPL
Dr. Ingrid Daubar, InSight Participating Scientist, NASA/JPL
Host:
Marc Razze, Office of Communications and Education, NASA/JPL
Co-host:
Sarah Marcotte, Mars Public Engagement, NASA/JPL

16-bit 1920x1080 Stream

JPL-20230522-CLIPPRf-0001 **Ada Limon 1 Minute Spot**

Date: 5/22/23 Duration: 0:01:19

Ada Limon visits JPL

16-bit 3840x2160 Edited

JPL-20230601-WHATSUf-0001 **Whats Up June 2023**

Date: 6/1/23 Duration: 0:04:03

What are some skywatching highlights in June 2023?
Mars and Venus draw closer throughout the month, while Saturn leads Jupiter into the morning sky. Bright stars Spica and Arcturus shine brightly overhead on June evenings, along with the Summer Triangle. And the June solstice, on the 21st, has a special claim to fame.

16-bit 1920x1080 Edited

JPL-20230607-MARSf-0001 **Mars Report Whats in A Name**

Date: 6/7/23 Duration: 0:03:16

NASA’s Perseverance and Curiosity rovers are exploring new terrain on Mars every day, adding thousands of names to the Red Planet over the last few years. Set in the Perseverance rover operations area at NASA’s Jet Propulsion Laboratory, this edition of the Mars Report features geologist Tina Seeger of Caltech explaining the process for naming Mars rocks, drill targets, and other locations as the teams explore.
This video discusses how official and unofficial names are decided by scientists who need a common language to reference while navigating Mars. For the Curiosity and Perseverance missions, scientists have been systematically dividing their maps into quadrants and giving each quadrant a theme from which to draw names, such as national parks around the world.
For more information on the naming process, visit ADD URL HERE.
For more information on NASA's Mars missions, visit mars.nasa.gov.
Credits: Video production, rover engineering camera images, Pathfinder mission images: NASA/JPL-Caltech; Perseverance rover’s WATSON, Curiosity rover’s Mastcam, Mars Reconnaissance Orbiter’s CTX images: NASA/JPL-Caltech/MSSS; Perseverance rover Mastcam-Z images: NASA/JPL-Caltech/ASU/MSSS; Mars maps: USGS Astrogeology Science Center, NASA/JPL-Caltech/University of Arizona, and ESA/DLR/FU Berlin (CC BY-SA 3.0 IGO); Ubajara National Park: R. Ourico (public domain); West Virginia: K. Thomas (public domain); Belva Lockwood: National Portrait Gallery, Smithsonian Institution (CC0); Victoria Crater: NASA/JPL-Caltech/University of Arizona/Cornell/Ohio State University; NASA/JPL-Caltech/University of Arizona; NASA/JPL-Caltech/ASU; Spirit and Opportunity images: NASA/JPL-Caltech/Cornell; Shenandoah and Death Valley National Parks: NPS/N. Lewis and NPS (public domain); Death Valley aerial view: NASA; California Map: USGS George I Smith; personal images courtesy of T. Seeger

16-bit 1920x1080 Edited

JPL-20230613-CLIPPRf-0001 **ClipperCam Livestream**

Date: 6/13/23 Duration: 1:15:47

ClipperCam Livestream

24-bit 1920x1080 Live 1-Cam

JPL-20230614-ASTRDSf-0001 **Eyes on Asteroids Livestream**

Date: 6/14/23 Duration: 0:30:43

Eyes on Asteroids Livestream

24-bit 1920x1080 Live 1-Cam

JPL-20230614-M2020f-0001 **Meet the Mars Samples 1 Roubion**

Date: 6/14/23 Duration: 0:01:08

Meet a Martian sample that has been collected and is awaiting return to Earth as part of the Mars Sample Return campaign. As of June 2023, NASA’s Mars Perseverance rover has collected and sealed 19 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars,

including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about the rover's first sample, "Roubion," a planned rock core that unexpectedly became a sample of Mars atmosphere, highly valuable in its own right.
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover will characterize the planet's geology and past climate, pave the way for human exploration of the Red Planet, as well as be the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0002 **Meet the Mars Samples 2-3 Montdenier and Montagnac**

Date: 6/14/23 Duration: 0:01:24

Meet two of the Martian samples that have been collected and are awaiting return to Earth as part of the Mars Sample Return campaign. As of late June 2023, NASA's Mars Perseverance rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about Samples No. 2 and 3 – "Montdenier" and "Montagnac" – the first pair of rock cores collected by Perseverance, which were taken from an igneous rock on the floor of Jezero Crater. Scientists believe that detailed analysis of these samples could help them piece together the timeline of the area's past, which was marked by volcanic activity and periods of persistent water.
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover will characterize the planet's geology and past climate, pave the way for human exploration of the Red Planet, as well as be the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0003 **Meet the Mars Samples 4-5 Salette and Coulettes**

Date: 6/14/23 Duration: 0:01:05

Meet two of the Martian samples that have been collected and are awaiting return to Earth as part of the Mars Sample Return campaign. As of late June 2023, NASA's Mars Perseverance

rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about Samples No. 4 and 5 – “Salette” and “Coulettes” – a pair of igneous rock samples collected from the floor of Jezero Crater. These samples capture a diversity of minerals that scientists believe show evidence of habitability on Mars.
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover will characterize the planet's geology and past climate, pave the way for human exploration of the Red Planet, as well as be the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0004 **Meet the Mars Samples 6-7 Robine and Malay**
Date: 6/14/23 Duration: 0:01:29

Meet two of the Martian samples that have been collected and are awaiting return to Earth as part of the Mars Sample Return campaign. As of late June 2023, NASA’s Mars Perseverance rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about Samples No. 6 and 7 – “Robine” and “Malay” – a pair of rock cores collected by Perseverance from the “Issole” outcrop in Jezero Crater. When the rover used its drill’s abrasion bit to grind away the surface of “Issole,” its cameras spotted an intriguing sulfate crystal resembling the shape of a polar bear. Mineral types within this target rock are known by scientists on Earth to be capable of preserving signs of ancient life.
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover will characterize the planet's geology and past climate, pave the way for human exploration of the Red Planet, as well as be the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0005 **Meet the Mars Samples 8-9 Ha'ahoni and Atso**

Date: 6/14/23 Duration: 0:01:22

Meet two of the Martian samples that have been collected and are awaiting return to Earth as part of the Mars Sample Return campaign. As of late June 2023, NASA's Mars Perseverance rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.

Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.

Learn more about Samples No. 8 and 9 – "Ha'ahóni" and "Atsá," two rock samples collected by Perseverance near its original landing site in Jezero Crater. These rock cores were drilled from a boulder that is among the more pristine igneous rocks the rover has sampled. Perseverance found igneous rocks, which form as lava or magma solidifies, throughout the crater floor. Samples No. 8 and 9 potentially represent a unique chapter in the history of Jezero Crater and were the last samples the rover collected on the crater floor before moving on to explore the nearby ancient river delta.

Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples

Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr

A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover will characterize the planet's geology and past climate, pave the way for human exploration of the Red Planet, as well as be the first mission to collect and cache Martian rock and regolith (broken rock and dust).

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0006 **Meet the Mars Samples 10-11 Swift Run and Skyland**

Date: 6/14/23 Duration: 0:01:14

Meet two of the Martian samples that have been collected and are awaiting return to Earth as part of the Mars Sample Return campaign. As of late June 2023, NASA's Mars Perseverance rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.

Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.

Learn more about Samples No. 10 and 11 – "Swift Run" and "Skyland," the first rock samples collected by the Perseverance rover from an ancient river delta environment on Mars. Scientists are particularly excited about studying such sedimentary rock samples up close because they form through interaction with liquid water and may have good potential for preserving signs of ancient life.

Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover characterizes the planet's geology and past climate, paves the way for human exploration of the Red Planet, and is the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0007 **Meet the Mars Samples 12-13 Hazeltop and Bearwallow**

Date: 6/14/23 Duration: 0:01:17

Meet two of the Martian samples that have been collected and are awaiting return to Earth as part of the Mars Sample Return campaign. As of June 2023, NASA's Mars Perseverance rover has collected and sealed 19 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about Samples No. 12 and 13 – "Hazeltop" and "Bearwallow" – a pair of rock cores from a fine-grained sedimentary rock that scientists believe could have good characteristics for preserving signs of ancient microbes, if they were ever present.
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover will characterize the planet's geology and past climate, pave the way for human exploration of the Red Planet, as well as be the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0008 **Meet the Mars Samples 14-15 Shuyak and Mageik**

Date: 6/14/23 Duration: 0:01:18

Meet two of the Martian samples that have been collected and are awaiting return to Earth as part of the Mars Sample Return campaign. As of late July 2023, NASA's Mars Perseverance rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars,

including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about Samples No. 14 and 15 – “Shuyak” and “Mageik,” a pair of sedimentary rock core samples that excite scientists because, on Earth, this type of sedimentary rock preserves signs of life for a very long time. If that same process also occurs on Mars, it could help us understand if life ever existed there.
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover characterizes the planet's geology and past climate, paves the way for human exploration of the Red Planet, and is the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0009 **Meet the Mars Samples 16 Kukaklek**
Date: 6/14/23 Duration: 0:00:57
Meet one of the Martian samples that has been collected and is awaiting return to Earth as part of the Mars Sample Return campaign. As of late July 2023, NASA’s Mars Perseverance rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about Sample No. 16 – “Kukaklek” – a sedimentary rock core collected from a rock at the Jezero Crater “Delta Front.” This sample came from a rock with various textures and colors of the mineral sulfate, possibly indicating that it interacted with water more than once. Was Jezero Crater filled with water multiple times? This rock may hold clues to Mars’ watery past.
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover characterizes the planet's geology and past climate, paves the way for human exploration of the Red Planet, and is the first mission to collect and cache Martian rock and regolith (broken rock and dust).
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0010Meet the Mars Samples 17-18 Atmo Mountain and Crosswind Lake
Date: 6/14/23 Duration: 0:01:49
Meet two of the Martian samples that have been collected and are awaiting return to Earth as part of the Mars Sample Return campaign. As of early August 2023, NASA’s Mars

Perseverance rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about Samples No. 17 and 18 – “Atmo Mountain” and “Crosswind Lake,” the mission’s first samples of the Mars surface material known as “regolith.” The samples were collected from a low, wind-blown ripple and contain loose material representing a range of grain sizes such as dust, sand, and pebbles. Martian wind can carry smaller grains like this over long distances, so regolith can provide insight into the global and local landscape, all in a single “grab bag.”
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover characterizes the planet's geology and past climate, paves the way for human exploration of the Red Planet, and is the first mission to collect and cache Martian rock and regolith.
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230614-M2020f-0011 **Meet the Mars Samples 19 Melyn**
Date: 6/14/23 Duration: 0:01:23

Meet one of the Martian samples that has been collected and is awaiting return to Earth as part of the Mars Sample Return campaign. As of early August 2023, NASA’s Mars Perseverance rover has collected and sealed 20 scientifically selected samples inside pristine tubes. The next stage is to get them back for study.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best opportunity to reveal the early evolution of Mars, including the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Learn more about Sample No. 19 – “Melyn,” the first sample the rover collected after climbing up onto the ancient delta formation in Mars’ Jezero Crater. The rocks in this area were deposited in an ancient river environment, as opposed to the rover’s earlier samples from the ancient lakebed. Due to a type of mineral called carbonate found in this rock, scientists believe this sample could be well-suited to record the signatures of past water history on Mars.
Read about all the carefully selected samples: https://mars.nasa.gov/mars-rock-samples
Learn more about the Mars Sample Return campaign: https://mars.nasa.gov/msr
A key objective for Perseverance's mission on Mars is astrobiology, including the search for signs of ancient microbial life. The rover characterizes the planet's geology and past climate, paves the way for human exploration of the Red Planet, and is the first mission to collect and cache Martian rock and regolith (broken rock and dust).

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230622-VKLECTf-0001 **The Universe of Very Cold The James Webb Space Telescope MIRI and the Cryocooler**

Date: 6/22/23 Duration: 0:042:52

The James Webb Space Telescope (JWST) takes incredible images using infrared light. The optics and science instruments must be incredibly cold, especially JWST's Mid-Infrared Instrument (MIRI), which needs to be at a temperature of less than 7 kelvins, or -447 Fahrenheit. This is not possible without the Cryocooler, which keeps MIRI's detectors cool.
Speaker: Konstantin Penanen, JWST/MIRI Cryocooler Lead
Host: Nikki Wyrick, Office of Communications and Education
Co-host: Kaitlyn Soares, Universe Public Engagement Lead

16-bit 1280x720 Stream

JPL-20230629-ASTRDSf-0001 **Eyes on Asteroids Livestream**

Date: 6/29/23 Duration: 0:40:06

Eyes on Asteroids Livestream

24-bit 1280x720 Live 1-Cam

JPL-20230629-WHATSUf-0001 **Whats Up July 2023**

Date: 6/29/23 Duration: 0:03:39

What are some skywatching highlights in July 2023?
Mars and Venus start the month close together, but part ways and head lower as July goes on. Mars appears very near Regulus in Leo on the 9th and 10th. Saturn and Jupiter rule the night, along with bright star Fomalhaut. And July is prime time for viewing the Milky Way core from dark sky locations.

16-bit 1920x1080 Edited

JPL-20230717-PSYCHEf-0001 **ASU Psyche Mission Trailer Revised**

Date: 7/17/23 Duration: 0:03:24

Overview video for the Psyche mission.

16-bit 3840x2160 Edited

JPL-20230720-VKLECTf-0001 **More than Rocket Science JPLs COVID 19 Ventilator VITAL**

Date: 7/20/23 Duration: 0:43:39

In response to the coronavirus pandemic, JPL spacecraft engineers worked with medical professionals to develop Ventilator Intervention Technology Accessible Locally (VITAL), a breathing aid that helps critically ill Covid-19 patients and bolstered scarce stocks of traditional hospital ventilators. Learn from JPL Ventilator (VITAL) Operations Lead, Stacey Boland, how this VITAL work went from a conversation over morning coffee to a life-saving machine licensed in 42 countries.
Speaker:

Stacey Boland, JPL Ventilator (VITAL) Operations Lead, NASA/JPL
Host:
Nikki Wyrick, Office of Communications and Education, NASA/JPL
Co-host:
Katherine Park, Office of Strategy and Formulation, NASA/JPL

16-bit 1920x1080 Stream

JPL-20230727-MSLf-0001 **Mars Report Curiosity Challenging Climb August 2023**

Date: 7/27/23 Duration: 0:02:57

NASA's Curiosity rover recently made its most challenging climb on Mars. Curiosity faced a steep, slippery slope on its journey up Mount Sharp, so rover drivers had to come up with a creative detour. After the detour, Curiosity stopped by a new area with intriguing impact craters to explore.

This edition of the Mars Report, set in the Jet Propulsion Laboratory's Mars Yard and the Curiosity rover operations area, features rover driver Dane Schoelen explaining how the team found another route with less hazardous terrain. Curiosity will celebrate its 11th anniversary on Mars on Aug. 5.

For more information on Curiosity's tough climb, visit ADD URL HERE.

For more information on NASA's Mars missions, visit mars.nasa.gov.

Credits: NASA/JPL-Caltech/MSSS/USGS-Flagstaff/University of Arizona

16-bit 3840x2160 Edited

JPL-20230803-PSYCHEf-0001 **Psyche Gets Its Huge Solar Arrays Permanently Installed**

Date: 8/3/23 Duration: 0:00:43

The solar arrays for NASA's Psyche mission underwent a final deployment test and were permanently installed on the spacecraft at Astrotech Space Operations near the agency's Kennedy Space Center in Florida.

Psyche is preparing for a 2.5 billion-mile (4 billion-kilometer) solar-powered trip to the metal-rich asteroid of the same name. In a clean room at Astrotech, the solar arrays were attached to the spacecraft body, unfolded lengthwise, and then re-stowed. This timelapse video was shot over about eight days in late July 2023. The solar arrays provide power for the journey to the asteroid and for operating the spacecraft's science instruments. When unfolded, each array is 37 feet (11.3 meters) long.

Psyche expects to launch from Kennedy no earlier than Oct. 5, 2023.

For more information about NASA's Psyche mission go to: nasa.gov/psyche and psyche.asu.edu/

Credit: NASA/Glenn Benson and Cory Huston

16-bit 1920x1080 Edited

JPL-20230807-MSRf-0001 **Finding the Right Footpad Size for the Sample Retrieval Lander**

Date: 8/7/23 Duration: 0:00:59

The first leg of Mars Sample Return is underway, as Perseverance collects rock cores and other Mars samples at its landing site, Jezero Crater. Meanwhile on Earth, mission teams are optimizing the designs of the follow-on spacecraft that would retrieve these rock samples and bring them to Earth.
In this video, engineers use a special testing rig to focus on the full-scale footpad for the Sample Retrieval Lander. Finding the right size and characteristics for the lander footpads is critical to a safe touchdown. This lander would also serve as a launch platform for the Mars Ascent Vehicle rocket, which would carry the Mars samples collected by the Perseverance rover. The lander legs and footpad need to absorb the impact of the heaviest spacecraft (5,016 pounds or 2,275 kilograms) to touch down on the Red Planet.
Considered one of the highest priorities by the scientists in the Science and Astrobiology Decadal Survey 2023-2032, Mars Sample Return would be the first mission to return samples from another planet and provides the best and nearest opportunity to reveal the evolution of planets, life's beginning in the solar system and the potential for ancient life. NASA is teaming with ESA (European Space Agency) on this important endeavor.
Animation is contributed by NASA's Jet Propulsion Laboratory, the European Space Agency, Goddard Space Flight Center, and Marshall Space Flight Center.
Learn more about Mars Sample Return: https://mars.nasa.gov/msr
Learn more about the Sample Retrieval Lander:
https://mars.nasa.gov/msr/spacecraft/sample-retrieval-lander/
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230809-CLIPPRf-0001 **Spacecraft Makers Episode 02**
Date: 8/9/23 Duration: 0:02:49

Join team members from NASA's Europa Clipper mission in a clean room at NASA's Jet Propulsion Laboratory to learn about testing of the spacecraft's magnetometer, which will help scientists answer the question, "Does Europa have an ocean?"
The magnetometer is made up of a long, 28-foot (6.5-meter) boom and three fluxgate sensors, which are compressed in a canister on the side of the spacecraft until the boom is deployed after launch. The electronics for the instrument are contained in the vault of the spacecraft, along with electronics for the other science instruments.
Spacecraft Makers is a video series that takes audiences behind the scenes to learn more about how space missions, like Europa Clipper, come together. Europa Clipper will explore this icy moon of Jupiter to see if there are conditions suitable for life. Scientists have evidence that a global ocean lies under the moon's surface, and the mission aims to confirm the existence of the ocean.
The spacecraft needs to be hardy enough to survive a 1.6-billion-mile, six-year journey to Jupiter – and sophisticated enough to perform a detailed science investigation of Europa once it arrives at the Jupiter system in 2030.
Europa Clipper is expected to launch in October 2024 from Kennedy Space Center in Florida.
Viewers also can watch a 24-hour live feed of the spacecraft in the clean room:
https://www.youtube.com/watch?v=yk0X3Sh2gIE
For more information on the mission go to: https://europa.nasa.gov/

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230809-PSYCHEf-0001 **Psyche Media Reel Chronological**

Date: 8/9/23 Duration: 0:21:06

B-roll for media. NASA's Psyche mission, scheduled to launch in October 2023, is the first to a metal-rich asteroid (also named Psyche). This reel includes animations of the Psyche spacecraft and asteroid, and footage of engineers in clean rooms at NASA's Jet Propulsion Laboratory in Southern California and near the launch site at the agency's Kennedy Space Center in Florida. The team is assembling the spacecraft and integrating several key components, including the thrusters, the gamma ray and neutron spectrometer, and the magnetometer.

The b-roll also shows the installation of NASA's Deep Space Optical Communications experiment, an independent technology demonstration that will fly on the spacecraft to test high-data-rate laser communications that could be used by future NASA missions. (It is not intended to transmit Psyche data.) The reel also includes soundbites from Psyche's principal investigator, Lindy Elkins-Tanton.

Scientists think the Psyche asteroid may consist of a significant amount of metal from the core of a planetesimal, one of the building blocks of the rocky planets in our solar system: Mercury, Venus, Earth, and Mars. If so, it could provide a unique opportunity to study how planets like Earth formed.

Psyche's launch period opens Oct. 5, 2023. The spacecraft will begin to orbit the asteroid Psyche in 2029.

For more information about NASA's Psyche mission, go to: nasa.gov/psyche and psyche.asu.edu/

For more information about DSOC, go to: https://www.nasa.gov/mission_pages/tdm/dsoc/index.html

Credit: NASA/JPL-Caltech/ASU/Cory S Huston

16-bit 3840x2160 Edited

JPL-20230810-MSRf-0001 **NASA Engineers Put the Next Mars Landers Legs to the Test**

Date: 8/10/23 Duration: 0:01:48

As part of a NASA-ESA campaign to return rock and soil samples from Mars to Earth, engineers at NASA's Jet Propulsion Laboratory are designing a lander which will be the heaviest spacecraft ever to touch down on the Red Planet. Engineers are dropping prototype lander legs and footpads to measure how they absorb the shock of hitting Martian ground. One test involves a model that is roughly one-third the size of the spacecraft's final design. Meanwhile, in a sandbox, a full-size foot pad is being dropped into simulated Martian soil.

Mars Sample Return will revolutionize our understanding of Mars by returning scientifically selected samples to Earth for study using the most sophisticated instrumentation around the world.

For more information on Mars Sample Return, visit mars.nasa.gov/msr/

Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20230814-CLIPPRf-0001 **Clipper Livestream**

Date: 8/14/23 Duration: 1:09:26

Clipper Livestream

16-bit 1280x720 Live 1-Cam

JPL-20230817-CLIPPRf-0001 **Europa Clipper Spacecraft Assembly Media Reel**

Date: 8/17/23 Duration: 0:09:05

B-roll for media and public use. NASA's Europa Clipper mission, scheduled to launch in October 2024, will conduct a detailed survey of Jupiter's moon Europa to determine whether the icy moon could harbor conditions suitable for life. This reel includes clips showing the assembly and integration of various parts of the spacecraft within a clean room at NASA's Jet Propulsion Laboratory.

The spacecraft, in orbit around Jupiter, will perform dozens of close flybys of Europa, soaring over a different location with each pass so that it eventually scans nearly the entire moon. Europa Clipper will launch from NASA's Kennedy Space Center in Florida.

For more information on the mission go to: https://europa.nasa.gov/

Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20230821-PSYCHEf-0001 **Behind the Spacecraft Series Trailer Psyche**

Date: 8/21/23 Duration: 0:02:04

Meet some of the engineers contributing to NASA's Psyche mission, which will be the first to explore a metal-rich asteroid, also named Psyche. This trailer previews the team members profiled in the series whose work will help scientists understand the story behind this unusual asteroid.

Whether the asteroid Psyche is the partial core of a planetesimal (one of the building blocks of the rocky planets in our solar system) or primordial material that never melted, scientists expect the mission to help answer fundamental questions about Earth's own metal core and the formation of our solar system.

Each week,this five-part video series will introduce a Psyche team member who will tell the story of how they came to join the mission: Christina Hernandez, Meena Sreekantamurthy, Ben Inouye, Julie Li, and Luis Dominguez. Join us on this channel on Sept. 13 and 20 for livestreamed Q&As with team members as well.

Psyche's launch period opens Oct. 5, 2023. The spacecraft will begin orbiting the asteroid Psyche in 2029.

Learn all about our first-of-its-kind #MissionToPsyche at:
https://www.jpl.nasa.gov/missions/psyche

Credit: NASA

Produced by: NASA 360 Productions

16-bit 1920x1080 Edited

JPL-20230822-PSYCHEf-0001 **Behind the Spacecraft Christina Hernandez Psyche**

Date: 8/22/23 Duration: 0:02:00

Meet Christina Hernandez, a flight systems engineer on NASA's Psyche mission, which will be the first to explore a metal-rich asteroid, also named Psyche. In this video Hernandez, from NASA's Jet Propulsion Laboratory, talks about getting Psyche ready for launch through the spacecraft's verification-and-validation phase and her passion for heavy metal music.

Whether the asteroid Psyche is the partial core of a planetesimal (a building block of the rocky planets in our solar system) or primordial material that never melted, scientists expect the mission to help answer fundamental questions about Earth's own metal core and the formation of our solar system.

This is the first episode in a weekly, five-part video series called "Behind the Spacecraft." Each Psyche team member will tell the story of how they came to the mission. Join us on this channel on Sept. 13 and 20 for livestreamed Q&As with team members as well.

Psyche's launch period opens Oct. 5, 2023. The spacecraft will begin orbiting the asteroid Psyche in 2029.

Learn all about our first-of-its-kind #MissionToPsyche at:
https://www.jpl.nasa.gov/missions/psyche

Credit: NASA

Produced by: NASA 360 Productions

16-bit 1920x1080 Edited

JPL-20230824-VKLECT-0001 **SunRISE Opening a New Window on the Sun**

Date: 8/24/23 Duration: 0:41:42

NASA's Sun Radio Interferometer Space Experiment, or SunRISE, will send a fleet of six toaster-sized SmallSats into orbit around Earth to work together as a radio telescope studying the Sun. SunRISE will help scientists better understand space weather events that have the capacity to damage spacecraft or even pose a threat to the safety of astronauts traveling through space.

Speakers:

Jim Lux, Project Manager, SunRISE, NASA/JPL

Host:

Marc Razze, Office of Communications and Education, NASA/JPL

Co-host:

Chelsea Gohd, Universe Public Engagement, NASA/JPL

16-bit 1280x720 Stream

JPL-20230829-PSYCHEf-0001 **Behind the Spacecraft Meena Sreekantamurthy Psyche**

Date: 8/29/23 Duration: 0:01:50

Meet Meena Sreekantamurthy, a power electronics engineer on NASA's Psyche mission, which will be the first to explore a metal-rich asteroid, also named Psyche. In this video, Sreekantamurthy, from the Johns Hopkins University Applied Physics Laboratory, explains how

power is critical for gathering the mission's science data. She also talks about her passion for painting and drawing.
Whether the asteroid Psyche is the partial core of a planetesimal (a building block of the rocky planets in our solar system) or primordial material that never melted, scientists expect the mission to help answer fundamental questions about Earth's own metal core and the formation of our solar system.
This is the second episode in a weekly, five-part video series called "Behind the Spacecraft." Each Psyche team member will tell the story of how they came to the mission. Join us on this channel on Sept. 13 and 20 for livestreamed Q&As with team members as well.
Psyche's launch period opens Oct. 5, 2023. The spacecraft will begin orbiting the asteroid Psyche in 2029.
Learn all about our first-of-its-kind #MissionToPsyche at:
https://www.jpl.nasa.gov/missions/psyche
Credit: NASA
Produced by: NASA 360 Productions

16-bit 1920x1080 Edited

JPL-20230830-MSRf-0001 **Mars Report Bringing the First Ever Mars Samples Back to Earth**

Date: 8/30/23 Duration: 0:03:28

NASA is preparing to bring scientifically selected rock samples back from Mars for the first time as part of the planned Mars Sample Return campaign with ESA (European Space Agency). Already having gathered 20 samples from the Red Planet, NASA's Perseverance rover is now poised to enter a new area of Mars' Jezero Crater and begin collecting samples with the strongest signal of a mineral called carbonate, which on Earth is deposited by liquid water. In bringing these samples to state-of-the-art Earth-based laboratories, the campaign will help scientists understand how rocky planets form and how potentially habitable environments evolve.
This edition of the Mars Report, set in the Mars Yard at NASA's Jet Propulsion Laboratory in Southern California, features Mars Sample Return Principal Scientist Mini Wadhwa. She explains the testing and preparations for the Mars Sample Return campaign, as well as the excitement that's building for bringing those Mars samples to labs on Earth for the first time.
To visualize the complicated choreography involved in bringing Mars samples to Earth, watch Mars Sample Return: Bringing Mars Rock Samples Back to Earth
For more information on NASA's Mars Sample Return Campaign, visit
https://mars.nasa.gov/msr.
Credits: NASA/JPL-Caltech/MSSS/JHU-APL; personal images: courtesy of M. Wadwha

16-bit 3840x2160 Edited

JPL-20230901-WHATSUf-0001 **Whats Up September 2023**

Date: 9/1/23 Duration: 0:03:42

What are some skywatching highlights in September 2023?
Venus returns to the early morning skies as a bright beacon in the east. The full moon at the end of the month is known as the Harvest Moon. And if you have access to dark skies away

from urban light pollution, you might be able to glimpse the faint, glowing pillar of the zodiacal light.

16-bit 1920x1080 Edited

JPL-20230905-PSYCHEf-0001 **Behind the Spacecraft Ben Inouye Psyche**

Date: 9/5/23 Duration: 0:01:26

Meet Ben Inouye, a power system engineer on NASA's Psyche mission, which will be the first to explore a metal-rich asteroid, also named Psyche. In this video, Inouye, of NASA's Jet Propulsion Laboratory, explains what it was like to build the spacecraft's power system. Inouye talks about the importance of the power system, as well as his passion for astrophotography.
Whether the asteroid Psyche is the partial core of a planetesimal (a building block of the rocky planets in our solar system) or primordial material that never melted, scientists expect the mission to help answer fundamental questions about Earth's own metal core and the formation of our solar system.
This is the third episode in a weekly, five-part video series called "Behind the Spacecraft." Each Psyche team member will tell the story of how they came to the mission. Join us on this channel on Sept. 13 and 20 for livestreamed Q&As with team members as well.
Psyche's launch period opens Oct. 5, 2023. The spacecraft will begin orbiting the asteroid Psyche in 2029.
Learn all about our first-of-its-kind #MissionToPsyche at:
https://www.jpl.nasa.gov/missions/psyche
Credit: NASA
Produced by: NASA 360 Productions

16-bit 1920x1080 Edited

JPL-20230906-PSYCHEf-0001 **Psyche L30**

Date: 9/6/23 Duration: 0:58:02

Scheduled to launch on Oct. 5, 2023, from NASA's Kennedy Space Center in Florida, the Psyche mission is a journey to a metal asteroid orbiting the Sun between Mars and Jupiter. What makes the asteroid Psyche unique is that it may be the partial core of a planetesimal (one of the building blocks of a rocky planet) or could be primordial material that never melted. The mission aims to help answer fundamental questions about Earth's own metal core and the formation of our solar system.
The spacecraft also will carry NASA's Deep Space Optical Communications (DSOC), a technology demonstration that aims to show how lasers could increase data transmission rates far beyond the capacity of current radio frequency systems used on spacecraft today.
Tune in as we hear from experts behind the mission. JPL Director Laurie Leshin will provide opening remarks, and briefing participants are expected to include:
Lori Glaze, director, Planetary Sciences Division, NASA Headquarters in Washington
Lindy Elkins-Tanton, principal investigator of Psyche, Arizona State University
Henry Stone, project manager, Psyche, JPL
Abi Biswas, project technologist for DSOC, JPL
Serkan Bastug, mission manager, Launch Services Program, NASA Kennedy

For more information on the Psyche mission, visit https://nasa.gov/psyche or follow #MissionToPsyche on social media.

24-bit 1280x720 Live Multi-Cam

JPL-20230912-CLIPPRf-0001 **Clipper Livestream**

Date: 9/12/23 Duration: 1:00:20

Clipper Livestream

24-bit 1920x1080 Live 1-Cam

JPL-20230912-PSYCHEf-0001 **Behind the Spacecraft Julie Li Psyche**

Date: 9/12/23 Duration: 0:01:38

Meet Julie Li, an engineer on NASA's Psyche mission, which will be the first to explore a metal-rich asteroid, also named Psyche. In this video, Li, of Maxar Technologies, explains how her team developed the solar electric propulsion hardware on the spacecraft. She also talks about her childhood dream of becoming an astronaut and her passion for outdoor adventure.
Whether the asteroid Psyche is the partial core of a planetesimal (a building block of the rocky planets in our solar system) or primordial material that never melted, scientists expect the mission to help answer fundamental questions about Earth's own metal core and the formation of our solar system.
This is the fourth episode in a weekly, five-part video series called "Behind the Spacecraft." Each Psyche team member will tell the story of how they came to the mission. Join us on this channel on Sept. 13 for a live streamed Q&A with Li, and on Sept. 20 with JPL electrical engineer Luis Dominguez.
Psyche's launch period opens Oct. 5, 2023. The spacecraft will begin orbiting the asteroid Psyche in 2029.
Learn about this first-of-its-kind mission at: https://www.jpl.nasa.gov/missions/psyche
Credit: NASA
Produced by: NASA 360 Productions

16-bit 1920x1080 Edited

JPL-20230919-PSYCHEf-0001 **Behind the Spacecraft Luis Dominguez Psyche English**

Date: 9/19/23 Duration: 0:01:36

Meet Luis Dominguez, an engineer on NASA's Psyche mission, which will be the first to explore a metal-rich asteroid, also named Psyche. In this video, Dominguez, of NASA's Jet Propulsion Laboratory, shows the JPL clean room where he and the assembly, test, and launch operations team are putting together and testing the spacecraft. He also talks about his passion for outreach and inspiring the next generation of scientists and engineers.
Whether the asteroid Psyche is the partial core of a planetesimal (a building block of the rocky planets in our solar system) or primordial material that never melted, scientists expect the mission to help answer fundamental questions about Earth's own metal core and the formation of our solar system.

This is the final episode in a weekly, five-part video series called “Behind the Spacecraft.” Each Psyche team member will tell the story of how they came to the mission. Join us on this channel on Sept. 20 for a livestreamed Q&A with Dominguez.
Psyche’s launch period opens Oct. 5, 2023. The spacecraft will begin orbiting the asteroid Psyche in 2029.
[To be added after these products go live]
Want to hear more from Luis?
Watch a recap of a live Q&A with Luis here: Live Broadcast LINK
Watch a special Spanish version Q&A here: Look Live LINK
Learn about this first-of-its-kind mission at: https://www.jpl.nasa.gov/missions/psyche.
Credit: NASA
Produced by: NASA 360 Productions

16-bit 1920x1080 Edited

JPL-20230919-PSYCHEf-0002 **Behind the Spacecraft Luis Dominguez Psyche Spanish**

Date: 9/19/23 Duration: 0:01:36

Meet Luis Dominguez, an engineer on NASA’s Psyche mission, which will be the first to explore a metal-rich asteroid, also named Psyche. In this video, Dominguez, of NASA’s Jet Propulsion Laboratory, shows the JPL clean room where he and the assembly, test, and launch operations team are putting together and testing the spacecraft. He also talks about his passion for outreach and inspiring the next generation of scientists and engineers.
Whether the asteroid Psyche is the partial core of a planetesimal (a building block of the rocky planets in our solar system) or primordial material that never melted, scientists expect the mission to help answer fundamental questions about Earth’s own metal core and the formation of our solar system.
This is the final episode in a weekly, five-part video series called “Behind the Spacecraft.” Each Psyche team member will tell the story of how they came to the mission. Join us on this channel on Sept. 20 for a livestreamed Q&A with Dominguez.
Psyche’s launch period opens Oct. 5, 2023. The spacecraft will begin orbiting the asteroid Psyche in 2029.
[To be added after these products go live]
Want to hear more from Luis?
Watch a recap of a live Q&A with Luis here: Live Broadcast LINK
Watch a special Spanish version Q&A here: Look Live LINK
Learn about this first-of-its-kind mission at: https://www.jpl.nasa.gov/missions/psyche.
Credit: NASA
Produced by: NASA 360 Productions

16-bit 1920x1080 Edited

JPL-20230920-PSYCHEf-0001Live QA with Psyche Spacecraft Builder Luis Dominguez
Date: 9/20/23 Duration: 0:27:32
Join us LIVE as we chat with Luis Dominguez, who leads the assembly, test, and launch operations phase of NASA's Psyche mission. The mission will be the first to explore a metal-rich asteroid. Dominguez will share how the Psyche team assembles all the different components for the spacecraft and will take live questions from viewers.

The Psyche mission aims to help answer fundamental questions about Earth's own metal core and the formation of our solar system. Scheduled to launch on Oct. 12, 2023, from NASA's Kennedy Space Center in Florida, the spacecraft will begin orbiting the asteroid Psyche in 2029.
To learn more about the Psyche mission, visit https://nasa.gov/psyche and follow #MissionToPsyche on social media.

16-bit 1920x1080 Live Multi-Cam

JPL-20230921-VKLECTf-0001 **Solar Eclipses Your Guide to the 2023 2024 Celestial Events**

Date: 9/21/23 Duration: 0:53:52

Two eclipses are crossing over most of the U.S. in the next few months. The first is an Annular Eclipse on Oct. 14, 2023, and the second will be a Total Solar Eclipse on April 8, 2024. An eclipse can be an awe-inspiring celestial event that drastically changes the appearance of the two biggest objects in our sky: the Sun and Moon. It also gives us the opportunity to study our Sun, Earth, and our space environment.
Speakers:
Marin M. Anderson, Research Scientist, NASA/JPL
Jason Craig, Data Visualization Producer, NASA/JPL
Host:
Nikki Wyrick, Office of Communications and Education, NASA/JPL
Co-host:
Rachel Zimmerman Brachman, Solar System Public Engagement Specialist, NASA/JPL

16-bit 1280x720 Stream

JPL-20230929-WHATSUf-0001 **Whats Up October 2023**

Date: 9/29/23 Duration: 0:04:02

What are some skywatching highlights in October 2023?
A "ring of fire" solar eclipse across the Americas on Oct. 14 is this month's top highlight! Plus the Moon, Jupiter, Saturn, and Venus strike some lovely poses for stargazers and planet watchers to enjoy.

16-bit 1920x1080 Edited

JPL-20231010-PSYCHEf-0001 **Psyche Mission and Science Briefing**

Date: 10/10/23 Duration: 0:55:59

The Psyche spacecraft will journey 2.2 billion miles to an asteroid that scientists hypothesize is made of substantial amounts of metal. It may contain leftover material from the core of a planetesimal, a building block of an early planet, and could tell us more about how the solar system formed. The mission will use a magnetometer, a gamma-ray and neutron spectrometer, and a multispectral imager to study this unique planetary body.
In this science briefing, experts on the mission will provide insight into how the instruments aboard Psyche will investigate Psyche's magnetic field, its chemical composition, and its surface features.
Participants:
Lori Glaze, NASA's Planetary Sciences Division director, NASA
Lindy Elkins-Tanton, Psyche principal investigator, Arizona State University
Ben Weiss, deputy PI and magnetometer lead, Massachusetts Institute of Technology

David Oh, chief engineer for operations, NASA JPL
Abi Biswas, Deep Space Optical Communications project technologist, NASA JPL
For more information on the Psyche mission, visit https://go.nasa.gov/psyche or follow #MissionToPsyche on social media.

24-bit 1280x720 Live Multi-Cam

JPL-20231011-PSYCHEf-0001 **Psyche PreLaunch News Conference**
Date: 10/11/23 Duration: 0:57:38

The Psyche mission is expected to launch from NASA's Kennedy Space Center in Florida on Oct. 12, 2023, at 7:16 a.m. PT / 10:16 a.m. ET.
Join experts from NASA, SpaceX, and the U.S. Space Force to discuss the prelaunch status of the mission.
Participants:
Bob Cabana, NASA associate administrator
Nicola Fox, associate administrator, NASA's Science Mission Directorate
Tim Dunn, senior launch director, NASA's Launch Services Program
Julianna Scheiman, director of Civil Satellite Missions, SpaceX
Henry Stone, Psyche project manager, NASA JPL
Arlena Moses, launch weather officer, U.S. Space Force
For more information on the Psyche mission, visit https://go.nasa.gov/psyche or follow #MissionToPsyche on social media.

16-bit 1280x720 Live Multi-Cam

JPL-20231013-PSYCHEf-0001 **Psyche Launch Broadcast**
Date: 10/13/23 Duration: 2:10:42

Watch the Psyche spacecraft launch from NASA's Kennedy Space Center in Florida on a SpaceX Falcon Heavy rocket. NASA and SpaceX are now targeting launch at 10:19 a.m. EDT (1419 UTC) Friday, Oct. 13. The mission to Psyche will take us on a journey to a metal-rich asteroid.
During this mission we will be researching the largest metallic object in the solar system, how planets form and testing high-speed laser communications with Deep Space Optical Communications (DSOC) technology.
For more information about Psyche, visit: https://www.jpl.nasa.gov/missions/psyche
Link to download this video: https://images.nasa.gov/details/KSC-2...
Credit: NASA

16-bit 1280x720 Live Multi-Cam

JPL-20231013-PSYCHEf-0002 **Psyche Launch Wrap Video**
Date: 10/13/23 Duration: 0:01:10

Highlights from the Oct. 13, 2023, launch of NASA's Psyche spacecraft, which will travel 2.2 billion miles to a metal-rich asteroid in the main asteroid belt between Mars and Jupiter. Psyche lifted off from NASA's Kennedy Space Center in Florida at 7:19 a.m PDT (10:19 a.m. EDT).
The mission, which is the first to explore a metal-rich asteroid, aims to help scientists learn more about the formation of rocky bodies – including Earth – in our solar system. The Psyche

spacecraft is equipped with four scientific investigations: the magnetometer, gamma-ray and neutron spectrometer, multispectral imager, and gravity science experiment. In addition, a technology demonstration called Deep Space Optical Communications (DSOC) will fly on Psyche in order to test high-data-rate laser communications.
Psyche is scheduled to arrive at the asteroid in 2029 and orbit for about 26 months.
NASA's Jet Propulsion Laboratory in Southern California manages the mission, which is led by Arizona State University. NASA's Launch Services Program at Kennedy Space Center manages launch operations and procured the SpaceX Falcon Heavy rocket. Maxar Technologies delivered the solar electric propulsion chassis and most of its engineering hardware systems.
For more information about NASA's Psyche mission go to nasa.gov/psyche.
For more information about DSOC, go to:
https://www.nasa.gov/mission_pages/tdm/dsoc/index.html
Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited

JPL-20231021-VKLECTf-0001 **Exploring Ocean Worlds Europa Clipper is One Year From Launch**

Date: 10/21/23 Duration: 0:54:18

In October 2024, NASA's Europa Clipper spacecraft will begin its 1.8-billion-mile journey to Jupiter's icy moon Europa. It will investigate if an ocean thought to lie beneath Europa's icy crust could support life. Join Europa Clipper Mission System Manager Al Cangahula and Planetary Scientist Kate Craft to learn about the spacecraft's assembly and preparations for launch, and how Europa Clipper's detailed exploration of Europa will help scientists better understand the astrobiological potential for habitable worlds beyond our planet.
Speakers:
L. Alberto (Al) Cangahuala, Mission System Manager, Europa Clipper, NASA/JPL
Kate Craft, Project Staff Scientist and Assistant Science Systems Engineer on Europa Clipper, JHU/APL
Host:
Marc Razze, Office of Communications and Education, NASA JPL
Co-host:
Nikki Wyrick, Office of Communications and Education, NASA JPL

16-bit 1920x1080 Stream

JPL-20231101-WHATSUf-0001 **Whats Up November 2023**

Date: 11/1/23 Duration: 0:04:08

What are some skywatching highlights in November 2023?
The Leonid meteors peak, Saturn sits in the celestial sea, and Venus and Jupiter are visible on opposite sides of the sky.

16-bit 1920x1080 Edited

JPL-20231109-SPHERXf-0001 **How NASAs SPHEREx Mission Will Map the Cosmos Works**

Date: 11/9/23 Duration: 0:02:42

NASA's upcoming SPHEREx space telescope mission will map the entire sky like no spacecraft before it. To do that, SPHEREx needs specialized hardware. Three concentric cones called photon shields surround the telescope and block light and heat from the Sun and Earth. Without those shields, the telescope's detectors would be blinded.
SPHEREx also needs to be cold because it detects infrared light. Invisible to human eyes, infrared is emitted by warm objects on Earth and out in the universe. It's also emitted by the telescope. Keeping it cold reduces the infrared glow, which lets SPHEREx see faint objects that are really far away.
SPHEREx stands for the Spectro-Photometer for the History of the Universe, Epoch of Reionization and Ices Explorer. Managed by NASA's Jet Propulsion Laboratory, a division of Caltech in Pasadena, California, SPHEREx is set to launch no later than April 2025.
For more information about the SPHEREx mission, visit:
https://www.jpl.nasa.gov/missions/spherex/

16-bit 3840x2160 Edited

JPL-20231116-VKLECTf-0001 **NASAs Deep Space Network Turns 60 Whats Next**

Date: 11/16/23 Duration: 0:47:17

The heart of deep space communications at NASA is the Deep Space Network, or DSN, which is managed by JPL. This international array of antennas located at three complexes in California, Spain, and Australia allow NASA to communicate with their missions in "deep space," which JPL define as from the Moon and beyond.
Come celebrate the DSN's inspiring 60-year legacy and learn how advancements in communications and aerospace engineering will pave the way for the network's incredible future.
Speakers:
Brad Arnold, Deputy Director for the Interplanetary Network Directorate, NASA/JPL
Amy Smith, Deputy Project Manager Deep Space Network, NASA/JPL
Host:
Nikki Wyrick, Office of Communications and Education, NASA/JPL
Co-host:
Sandy Marshall, Solar System Public Engagement Specialist, NASA/JPL

16-bit 1920x1080 Stream

JPL-20231122-MARSODf-0001 **Mars Report Odyssey November 2023**

Date: 11/22/23 Duration: 0:02:08

NASA's Mars Odyssey orbiter captured the first-ever views of Mars that showcase the curving horizon and layers of atmosphere, similar to what an astronaut sees of Earth from the International Space Station. While there are no astronauts yet at Mars, this view gives us a sense of what they might see: The series of panoramic images was taken from an altitude of about 250 miles (400 kilometers), the same altitude at which the space station flies above Earth. These new images, which capture gauzy layers of clouds and dust, will help scientists better understand the Martian atmosphere.

In this Mars Report, learn how engineers at NASA's Jet Propulsion Laboratory and Lockheed Martin Space, which built Odyssey, had to maneuver the spacecraft to capture these views. Odyssey Deputy Project Scientist Laura Kerber also breaks down the significance of the new images.
The 2001 Mars Odyssey mission is NASA's longest operating spacecraft at Mars, marking 22 years in orbit in October 2023. For more information on Odyssey, go to: https://science.nasa.gov/mission/odyssey
Credit: NASA/JPL-Caltech/ASU/Lockheed Martin Space

16-bit 1920x1080 Edited

JPL-20231201-WHATSUf-0001 **Whats Up December 2023**

Date: 12/1/23 Duration: 0:04:30

What are some skywatching highlights in December 2023?
Clear skies will make for ideal viewing of the Geminid meteor shower, and grab your binoculars to search for asteroid Vesta.

16-bit 1920x1080 Edited

JPL-20231206-CLIPPRf-0001 **Spacecraft Makers Episode 03**

Date: 12/6/23 Duration: 0:02:54

See how a team at NASA's Jet Propulsion Laboratory sews and installs thermal blankets to protect the agency's Europa Clipper spacecraft from the cold and harsh environment it will face around Jupiter as it investigates the planet's ice-encrusted moon Europa.
In this episode of the Spacecraft Makers video series, Mark Duran and Morgan Betsill provide a behind-the-scenes look at JPL's "Shield Shop," where layers of the thermal blankets come together before they are installed on the spacecraft. Then, these custom blankets are carefully fitted onto the spacecraft in a clean room at JPL.
Spacecraft Makers is a video series that takes audiences behind the scenes to learn more about how space missions, like Europa Clipper, come together. Europa Clipper will explore this icy moon of Jupiter to see if there are conditions suitable for life. The spacecraft needs to be hardy enough to survive a 1.6 billion-mile, six-year journey to Jupiter – and sophisticated enough to perform a detailed science investigation of Europa once it arrives at the Jupiter system in 2030.
Europa Clipper is expected to launch in October 2024 from Kennedy Space Center in Florida. When the spacecraft is in JPL's clean room, viewers also can watch a 24-hour live feed of the spacecraft here.
For more information on the mission go to: https://europa.nasa.gov/.
For more information on this video series, which focuses on how space missions come together, visit https://bit.ly/49MWe54.
Credit: NASA/JPL-Caltech

16-bit 3840x2160 Edited

JPL-20231218-DSOCf-0001 **Deep Space Optical Communications First Video Transmission Media Reel**

Date: 12/18/23 Duration: 0:05:35

NASA's DSOC experiment achieved a historic first by streaming an ultra-high-definition video from deep space via laser. The 15-second clip, featuring a cat named Taters chasing a laser pointer, was transmitted on December 11, 2023, from almost 19 million miles away.
DSOC, part of the Psyche spacecraft launched on Oct. 13, 2023, is testing high-bandwidth optical communications on its journey to the asteroid belt between Mars and Jupiter.

16-bit 1920x1080 Edited

JPL-20231222-SOLSYSf-0001 **NASA Telescopes Reveal Hidden Universe**

Date: 12/22/23 Duration: 0:01:33

For 40 years, NASA has expanded our view of the universe with space telescopes that detect infrared light, which is invisible to the human eye. Observing the infrared realm helps us study the origins of planets, stars, galaxies, and even the universe itself.
NASA's James Webb Space Telescope is the agency's latest infrared space telescope, adding new insights to targets first discovered and studied by infrared missions that came before it. Infrared space telescope missions have built upon one another to reveal stars, galaxies, and all manner of cosmic objects with ever-increasing clarity. Here you will see images from the pioneering Infrared Astronomical Satellite (IRAS), launched in 1983, the Spitzer Space Telescope, launched in 2003, and the James Webb Space Telescope, which launched in 2021 and is sending back extremely detailed images today.
For more information about Webb, visit: https://www.nasa.gov/webb
For more information about Spitzer, visit: https://www.nasa.gov/spitzer
For more information about IRAS, visit:
https://www.jpl.nasa.gov/missions/infrared-astronomical-satellite-iras
Credits: IRAS images: NASA/Netherlands Agency for Aerospace Programmes/UK Science and Engineering Research Council/JPL-Caltech; Spitzer images: NASA/JPL-Caltech/IPAC; Webb images: NASA/ESA/CSA/STScI

16-bit 1920x1080 Edited

JPL-20231227-M2020f-0001 **Perseverance Rover Zooms in on Ancient Mars River**

Date: 12/27/23 Duration: 0:03:00

After 1,000 Martian days of exploration, NASA's Perseverance rover is studying rocks that show several eras in the history of a river delta billions of years old. Scientists are investigating this region of Mars, known as Jezero Crater, to see if they can find evidence of ancient life recorded in the rocks. Perseverance project scientist Ken Farley provides a guided tour of a richly detailed panorama of the rover's location in November 2023, taken by the Mastcam-Z instrument.
Composed of 993 individual images and 2.38 billion pixels, this 360-degree mosaic looks in all directions from a location the rover science team calls "Airey Hill." Portions of the rover itself are visible in the scene, appearing more distorted toward the edges as a result of the image processing.
A color enhancement applied to the image increases contrast and accentuates color differences. By approximating what the scene would look like under Earth-like lighting conditions, the adjustment allows mission scientists to use their everyday experience to interpret

the landscape. The view on Mars would be darker and more reddish. The panorama can be explored and downloaded at: https://go.nasa.gov/3tmJnGB.
Learn more about Perseverance: https://mars.nasa.gov/mars2020.
Credit: NASA/JPL-Caltech/ASU/MSSS; ESA/DLR/FU-Berlin

16-bit 3840x2160 Edited

JPL-20240101-WHATSUf-0001 **Whats Up January 2024**

Date: 1/1/24 Duration: 0:03:00

What are some skywatching highlights in January 2024?
The year kicks off with the Quadrantid meteors, and some great Moon-planet pairings. Plus, did you know the stars shift in the sky by four minutes each day?

16-bit 1920x1080 Edited

JPL-20240109-NISARf-0001 **Tracking Earth's Changes from Space**

Date: 1/9/24 Duration: 0:03:01

NASA and ISRO (Indian Space Research Organisation) have teamed up to create a powerful new space mission that will track our changing Earth in fine detail. The satellite, called NISAR, will use an advanced radar system to deepen our understanding of deforestation, shrinking glaciers and sea ice loss, natural hazards, climate change, and other global vital signs.
Short for NASA-ISRO Synthetic Aperture Radar, NISAR features two radar instruments: one from ISRO, and one built at NASA's Jet Propulsion Laboratory in Southern California. Peering through cloud cover and vegetation, the satellite will bounce radar signals off nearly all the planet's land and ice twice every 12 days, monitoring motions of the surface down to fractions of an inch along with changes in other characteristics.
NISAR is undergoing final integration and testing at ISRO's satellite facility in Bengaluru, India, and will launch from ISRO's Satish Dhawan Space Centre in Sriharikota, India. Launch is expected in early 2024; the specific date will be announced by ISRO.
For more information on the NISAR mission, visit: https://nisar.jpl.nasa.gov/.
Credit: NASA/JPL-Caltech/ISRO

16-bit 3840x2160 Edited

JPL-20240125-VKLECTf-0001 **Spirit Knocked Opportunity Rocked 20 Years of Rovers on Mars**

Date: 1/25/24 Duration: 0:55:25

Celebrate the 20th Anniversary of the landing of Spirit and Opportunity, the Mars Exploration Rovers. We will delve into the stories of these incredible robots, with a look at how the exploration of Mars and the understanding of ourselves has changed because of the twin rovers.
Speakers:
John Callas, Former MER Project Manager, NASA/JPL
Abigail Fraeman, Former MER Deputy Project Scientist, NASA/JPL
Host:
Nikki Wyrick, Office of Communications and Education, NASA/JPL
Co-Host:

Sarah Marcotte, Mars Public Engagement, NASA/JPL

16-bit 1920x1080 Stream

JPL-20240203-JUNOf-0001 **Juno Ride Along as it Flies Past Io**

Date: 2/3/24 Duration: 0:36:06

A joint U.S.-India satellite mission called NISAR – the NASA-ISRO Synthetic Aperture Radar (NISAR) mission – will soon set out with new tools to better understand climate change. As a way to validate the satellite's global, space-based observations, NASA scientists went to the Peruvian Amazon to install a network of sensors that will help calibrate measurements from the NISAR spacecraft.

Why the Amazon? In tropical wetlands, changes in seasonal flooding cycles can lead to increased production of greenhouse gases like methane and carbon dioxide.

A collaboration between NASA and ISRO (Indian Space Research Organisation), NISAR will use a sophisticated radar system to track wetland inundation and other changes to Earth's surface. The satellite is expected to launch in early 2024 from ISRO's Satish Dhawan Space Centre in Sriharikota, India.

For more information on the NISAR mission, visit: https://nisar.jpl.nasa.gov/.

Credit: Video production and NISAR animations: NASA/JPL-Caltech; Methane animations: NASA's Scientific Visualization Studio; Amazon field work footage courtesy of A. Pruna

16-bit 1920x1080 Edited

JPL-20240222-VKLECTf-0001 **SPHEREx Zooming Out to See the Big Picture**

Date: 2/22/24 Duration: 0:52:24

The Spectro-Photometer for the History of the Universe, Epoch of Reionization and Ices Explorer (SPHEREx) is a planned two-year NASA space mission that will survey the sky in near-infrared light. SPHEREx's unique all-sky spectral survey enables science ranging from our solar system to the very beginnings of the universe.

Speakers:

Jamie Bock, SPHEREx Principal Investigator, Caltech/NASA JPL

Host:

Marc Razze, Office of Communications and Education, NASA JPL

Co-host:

Kaitlyn Soares, Universe Public Engagement Lead, NASA JPL

16-bit 1280x720 Stream

JPL-20240301-WHATSUf-0001 **Whats Up March 2024**

Date: 3/1/24 Duration: 0:03:46

What are some skywatching highlights in March 2024?

Jupiter plows through the Pleiades on March 14, a chance to spot Mercury at month's end along with a subtle lunar eclipse, and a comet worth keeping an eye on!

16-bit 1920x1080 Edited

JPL-20240306-CLIPPRf-0001 **Spacecraft Makers Episode 04**

Date: 3/6/24 Duration: 0:03:32

Hardware for NASA's Europa Clipper spacecraft was developed at various institutions and facilities across the U.S. and Europe, including NASA's Jet Propulsion Laboratory. That work included the science instruments and other spacecraft components, such as the propulsion module, radio frequency module, solar arrays, electronics vault, and more.

During the assembly, test, and launch operations phase of the mission, engineers put together the spacecraft, test its various components, and prepare it for its launch and journey to Jupiter's ice-encrusted moon Europa.

In this episode of the Spacecraft Makers video series, spacecraft assembly, test, and launch operations mechanical engineer Steve Barajas and science systems engineer Jenny Kampmeier provide a behind-the-scenes look at the nearly completed spacecraft in the High Bay 1 clean room at JPL.

The propulsion module for the spacecraft was built by the Johns Hopkins Applied Physics Laboratory (APL) in Laurel, Maryland, with help from NASA's Goddard Space Flight Center in Greenbelt, Maryland, and JPL.

The science instruments were developed by APL, the School of Earth and Space Exploration at Arizona State University, Southwest Research Institute in San Antonio, JPL, UCLA, University of Michigan, University of Texas at Austin, and the Laboratory for Atmospheric and Space Physics at the University of Colorado Boulder.

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For more information on the mission go to: https://europa.nasa.gov/.

For more information on this video series, visit: https://bit.ly/49MWe54.

Credit: NASA/JPL-Caltech

16-bit 1920x1080 Edited