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Resource Tapes

SRC-000001 -1/1  "JPL" (1957) & JATO, Corporal, Sergeant Footage
VTV-10 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 firing 
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.

**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
Client: Dr. Firouz Naderi, Org. 3020
Master: BCAMsp     Submaster: BCAMsp
Audio 1: Silent      2: Silent
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
Mars Interviews for Pathfinder & future missions
Interviews shot in studio for upcoming missions.
T. Economou - Univ of Chicago
T. Economou - Univ of Chicago Part two of interview; Peter
Smith Univ of Ariz.; Dan Britt Univ. of Ariz.; Hank Moore
Audience: NASA Resource
Site: 186 Studio
Client: Michelle Johnson
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
05/16/1995 - 1:03:00  Producer: McNevin

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

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

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
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

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

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

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

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

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  
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  
Client: 
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
09/14/1996 - 0:27:04

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

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

SRC-000023 -3/3  **Cassini Stacking**  
Audience: Resource  
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  
Client: 
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
10/25/1996 - 0:30:50
<table>
<thead>
<tr>
<th>SRC-000024 -2/2</th>
<th><strong>Cassini Preparation for Thermal Testing in Cleanroom</strong></th>
<th>Audience: Resource</th>
<th>Site: 179</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client:</td>
<td>Master: BCAMsp</td>
<td>Audio 1: Mono mix</td>
<td>2: Mono mix</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10/25/1996 - 0:31:00</td>
<td></td>
</tr>
</tbody>
</table>

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:
Cassini in Thermal Vacuum Chamber (Phase 2)
Audience: Resource  Site: 150
Client:
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
01/16/1997 - 0:11:34

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

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

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

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
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

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

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

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

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

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

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  2: Mono mix
Audio 1: 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  2: Mono mix
Audio 1: 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  2: Mono mix
Audio 1: 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  2: Mono mix
Audio 1: 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  2: Mono mix
Audio 1: 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  2: Mono mix
Audio 1: Mono mix 05/30/1997 - 0:07:00
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

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

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

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

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

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

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
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

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

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

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

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
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
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 - 1:16:00   Producer: Hanchett

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

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

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.
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.

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.

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.

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  
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
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

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

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

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

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
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

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

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

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

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.
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.

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.

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.

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.

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

- **Source:** SRC-000117 - 1/1
  - **Title:** Galileo - Rings of Jupiter Animation
  - **Description:** Used for news conference originating from Cornell University. With descriptive text.
  - **Description:** 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.
  - **Client:** Mary Hardin
  - **Master:** BCAMsp
  - **Audio:** Silent 1: Silent 2: Silent
  - **Duration:** 09/15/1998 - 0:05:09
  - **Producer:** SSV - De Jong

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

- **Source:** SRC-000119 - 1/1
  - **Title:** Voyager Animations Compilation for "And Then There Was Voyager"
  - **Description:** Animations and Movies used in AVC-1990-182.
  - **Description:** 05:45 Voyager at Saturn flyby
  - **Description:** 08:11 Voyager Saturn ring crossing star detection
  - **Description:** 09:00 Scanning window by instruments
  - **Description:** 09:41 Satellite imaging, frame overlays
  - **Description:** 10:19 Jupiter flyby sequences w/satellites
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 performed 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
Stardust Spacecraft Various Clips
Drop Test, Spin Test in Chamber/Clean Room Electronics Testing
Audience: Resource
Client: Dawson/MRO
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
08/24/1998 - 0:24:37

Deep Space 1 Launch
Raw footage of Deep Space 1 control room at JPL during launch.
Audience: Resource
Client: Dawson/MRO
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
10/24/1998 - 0:30:00  Producer: Beck

Deep Space 1 Launch
Part 2
Audience: Resource
Client: Dawson/MRO
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
10/24/1998 - 0:30:00  Producer: Beck

Deep Space 1 Launch
Part 3
Audience: Resource
Client: Dawson/MRO
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
10/24/1998 - 0:30:00  Producer: Beck

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

Deep Space 1 Ion Engine Start
Part 2 of 2
Audience: Resource
Client: Dawson/MRO
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
11/10/1998 - 0:30:00  Producer: Beck
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.

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.

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.

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.
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.

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.

Mars Polar Lander L-1 Briefing & Rollout
Mars Polar Lander L-1 Briefing & Rollout at KSC shot on HDCAM.

Mars Polar Lander Launch and Blockhouse cheering
Mars Polar Lander Launch and Blockhouse cheering at KSC shot on HDCAM.

Cassini Mural Unveiling Presentation
Audience: Resource Site: von Kármán
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

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

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

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

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  
**Client:** Aimee Whalen  
**Master:** HDCam  
**Submaster:** BCAMsp  
**Audio 1:** Mono mix  
**Audio 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  
**Audio 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  
**Client:** Eric DeJong  
**Master:** HDCam  
**Audio 1:** Mono mix  
**Audio 2:** Mono mix  
**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  
**Audio 2:** Mono mix  
**07/22/1999 - 0:31:00**  
**Producer:** Greg Parrillo
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

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

Deep Sea Probe testing at Monterey Bay Aquarium
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

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

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
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

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

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

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
**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

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**Mars Polar Lander Animation**


**Audience:** JPL Resource

**Client:** MRO, Org. 1810

**Master:** BCAMsp

**Audio 1:** Mono mix **2:** Mono mix

11/29/1999 - 0:02:00

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**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

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**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

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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

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

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

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.
Client: Rountree-Brown
Master: BCAMsp Submaster: DVCPro25
Audio 1: Silent 2: Silent
01/26/2000 - 0:01:20 Producer: Semerano
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

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

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

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
08/10/1992 - 0:30:00 Producer: ESA
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**
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
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

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

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
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.

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.

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

GALEX Telescope
B-Roll of the GALEX Telescope in Bldg 306 low bay clean room.
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

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

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

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

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

Dr. Edward Stone Interviewed by Blaine Baggett
Dr. Edward Stone Interviewed by Blaine Baggett

Betacam 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.

 SRC-000230 -1/4

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 - 0:28:38  Producer: Bridges

 SRC-000230 -2/4

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 -3/4

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

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.**
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: NASA 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: 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
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 - 0:11:00   Producer: KSC

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

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

Delta, Genesis Launch
Audience: NASA Resource    Site: KSC
Client: KSC, Org. KSC
Master: BCAMsp
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  
08/08/2001 - 0:03:00  
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.  
**Audience:** Resource  
**Site:** JPL 264-231  
**Client:**  
**Master:** BCAMsp  
08/22/2001 - 1:07:00  
Producer: KSC

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  
04/13/2001 - 1:30:00  
Producer: Beck

SRC-000260 -1/1  
**Jason Arrival at Vandenberg Air Force Base, Raw Footage**  
**Audience:** Resource  
**Client:** Sullivant  
**Master:** BCAMsp  
09/07/2001 - 0:08:28  
Producer: John Demko
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 despine the system from approximately 60 rpm to less than 5 rpm. This is accomplished using a yo-yo despine system which unwraps two 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.

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

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.

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

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**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

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**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

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**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
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

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

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

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

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.
**SRC-000327 - 1/4 Prod.**

**B-Roll of DIAL Conference Room and User Area from Camera Ready**

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  
Client: Blaine Baggett  
Master: HDCam  
Audio 1: Nat.  
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  
Client: Blaine Baggett  
Master: HDCam  
Audio 1: Nat.  
04/08/2002 - 0:39:00  Producer: Gary Savona

**SRC-000327 - 3/4 Rdy**

**B-Roll of Project Design Ctr., Antenna Labs, Mars Yard from Camera Ready**


Audience: Resource  
Client: Blaine Baggett  
Master: HDCam  
Audio 1: Nat.  
LETTERBOX

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 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 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
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 - 0:05:35 Producer: KSC

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 - 0:06:06 Producer: KSC

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 - 0:04:51 Producer: KSC

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

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

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

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

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

Deep Space - 1 (Activities) Pre-launch
Deep Space - 1 Pre-launch activities.
Audience: Resource               Site:   KSC
Client:
Master: BCAMsp
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
10/24/1998 - 0:06:52  Producer: KSC

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

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

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

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

Stardust - (Activities) Aerogel Return Capsule Opened in the PHSF
Stardust Aerogel return capsule opened in the PHSF.
Stardust - (Activities) Stardust in the PHSF
Stardust in the PHSF.

Stardust - (Activities) 1st Stage Erection at Launch Complex 17-B
Delta Stardust 1st stage erection at launch complex 17-B.

Stardust - (Activities) Solids Erection at Launch Complex 17-B
Delta Stardust Solids Erection at launch complex 17-B.

Stardust - (Activities) Solids Stacking at Launch Complex 17-A
Delta Stardust solids stacking at launch complex 17-A.

Stardust - (Activities) Lift and Payload Rotation at the PHSF
Delta, Stardust lift and payload rotation at the PHSF.
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:
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

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

Deep Impact Animation Compilation
SRC-000204 Deep Impact Animation - 1:20 Min.
SRC-000216 Deep Impact Icon Animation - :60 Sec.
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

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
Client: NASA TV
Master: BCAMsp Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
06/03/2002 - 0:59:40 Producer: GSFC/R Weintaub

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)

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
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.

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.

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.

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.

Galaxy Evolution Explorer (GALEX) Solar System Panel Deployment

The Galaxy Evolution Explorer (GALEX) solar panel deployment in the MPPF.
Audience: Resource
Client: Jane Platt
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

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

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

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

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
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
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
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
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
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)
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."

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.

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.

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.

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.
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

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

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: Kulezyeki
Master: DVCPro50
Audio 1: MOS  2: MOS
12/23/2004 - 0:01:17  Producer: Zareh Gorjian

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 minutes 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

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)


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:
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
06/30/1999 - 0:20:00   Producer: Semerano

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

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

Beautify 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.

**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.

**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.

**Deep Impact Animation, Dan Maas - Standard Definition B-roll**
Animation begins from launch to separation through impact.

**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.
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.

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.

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.

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.
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
**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

**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

**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: mclrl 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.


: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 Venustian 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.

Surveyor III mission photos of the soil sampler; produced by JPL. B&W/Silent, general interest, 2 min.


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

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
: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"
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.

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.

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
Flight Test - Ercoupe Airplane Without & With Aux. Jet Propulsion

Full Title:
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.

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.
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.
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

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.

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)

"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)

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)

**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)

**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.
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.
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
"UFO" - Group 1 Exploding Rockets
Raw 16mm film rolls spliced to a series of various exploding and successful 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;
"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)
transcriber at work], Jaffée 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.
**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.**

**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.**

**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
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

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.
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)

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)

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)
**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)

**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 deteriorated.
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)

**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.
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)

**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)

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)

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)
**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  
**Audio 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)

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**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  
**Audio 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)

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**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  
**Audio 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)
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)

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)

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

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    Producer: JPL SSV
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.
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

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.
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

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.
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

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)**
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  -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.

**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)

**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)

**Dawn Animation (Updated)**
Master tape is HD 1080i. Dupe master is 720p.

**JPL Robotics**
Testing and demonstration 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 - 02:22:35 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 - 01:14:00 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 - 00:03:00 Producer:** SSV

**SRC-000979 -1/1**  
**MER 4th Anniversary Panoramas**  
**POV from Spirit & Oppurtunity**  
**Sols 1366-1369**  
**Site:** Mars  
**Client:** Media relations  
**Master:**  
**Audio:** 1: Mono mix  2: Mono mix  
**01/14/2008 - 05:53:00 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 - 00:00:53 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

SR001030 -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

SR001030 -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

SR001030 -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

06/09/2008 - 0:36:00   Producer: Vandenberg AFB

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

KEPLER-Ball Aerospace-Clean Room "B" Roll
5/07-Shear Panel Mate to Propulsion Deck
8/07-Primary Mirror Assembly 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 Collimator Assembly
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

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
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

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

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

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

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

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

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

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
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 - 0:28:47 Producer: Hulme

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

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 - 0:26:40 Producer: Tozzi
Cleared raw footage from Phoenix Mars Lander surface operations at the University of Arizona in Tucson. Sol 16 operations / midpoint meeting / TEGA success (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 sprinkling / 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
**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. Kuczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix  2: Mono mix
06/15/2008 - 0:26:15  Producer: Beck

**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. Kuczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix  2: Mono mix
06/15/2008 - 0:31:58  Producer: Beck

**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. Kuczycki, Org. 1861
Master: DVCProLP
Audio 1: Mono mix  2: Mono mix
06/16/2008 - 0:30:22  Producer: Hulme

**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.
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

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

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.
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

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

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

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

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-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

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: Lockheed 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

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

**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

**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

**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

**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
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

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

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

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

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
Launch replays from alternate cameras begin at 16:27:08
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

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

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

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

Raw footage highlights compilation of Mars Exploration Rover team members conducting driving tests and strategy meetings as part of an Operational Readiness 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

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
Wide Field Infrared (WISE) Survey Explorer Delta II Launch
Launch broadcast at 4am PST (7am EST). Shows launch control center with Tracy Youning 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

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, Launch 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 Project Manager, Johns 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 Telemetry 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

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
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]

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

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 - 0:33:31 Producer: Hulme
SRC-001298  -1/1  MSL cleared raw footage: Curiocity Sky Crane Drop Test Readiness

Raw footage highlights compilation of Mars Science Laboratory team members discussing plans for the upcoming drop 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 - 0:36:56  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

**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

**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

**"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
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

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

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-Letterboxed 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
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.
Acknowledgements:
The adaptations 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 facilitated 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  
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
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

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

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

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 mix    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
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
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
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
Client: Michelle Viotti, Org. 1860
Master: DVCProLP
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
02/17/2011 - 0:16:46 Producer: S. Hulme

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
03/31/2011 - 0:22:16 Producer: S. Hulme

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

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
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 the 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
04/13/2011 - 0:38:10   Producer: S. Hulme

MSL cleared raw footage: DTM & Scarecrow rover drive tests (obstacles)


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

MSL cleared raw footage: DTM & Scarecrow rover drive tests (sand)


Audience: Gen. Resource   Site: JPL
Client: Michelle Viotti, Org. 1861
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

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

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

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
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

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
**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

**JUNO/Atlas V - Compiled #2**

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

**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  
05/13/2011 - 0:56:26  Producer: NASA KSCTV

**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

**JUNO/ATLAS V - HD Compiled #5**
6/13/2011 25:53 Min. 1st Stage lift for mission
6/15/2011 9:24 Min. 1st Booster 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
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 Launch 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  
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  
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  
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**  
Audience: Resource  
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**  
5/10/2011 - 14:40 Min., 2nd Stage mate to 1st Stage;  
Audience: Resource  
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

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 -
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 scientists 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 -
Audience: Gen. JPL Resource  Site: Arizona
Client: Michelle Viotti, Org. 1861
Master: DVCProLP
Audio 1: Mono mix  2: Mono mix
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

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

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

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
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 - 0:09:53  Producer: NASA KSCTV
MSL cleared raw footage: Curation rover and MSL hardware at KSC
Client: Michelle Viotti, Org. 1861 Master: DVCProLP Audio 1: Mono mix 2: Mono mix 09/19/2011 - 0:09:25 Producer: Hulme

MSL Atlas V
RTG Arrival, fitcheck at PHSF; return to storage at KSC Audience: Resource Site: KSC

MSL Atlas V HD Compiled #4 (July 14 & 18, 2011) David Gruel

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
**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

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**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

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**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

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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

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

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;emetry 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

Audience: Resource  Site: NASA KSC
Client: Elena Mejia, Org. 1870
Master: DVCProHD
Audio 1: Mono mix  2: Mono mix

Aeroshell & Heat Shield pre-integration processing.
Audience: Resource  Site: NASA KSC
Client: Elena Mejia, Org. 1870
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

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;
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

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

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

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

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 Assembly 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; Separation: 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)**


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 preparations 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
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.

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

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

Client: Scott Hulme
Master: DVCProHD
Audio 1: Mono mix  2: Mono mix

Client: Scott Hulme
Master: DVCProHD
Audio 1: Mono mix  2: Mono mix
Mars Science Laboratory (MSL)/ATLAS V Launch Program

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

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

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

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
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**
Audience: Gen. Resource
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.
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

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

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

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

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

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.
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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.

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
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

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

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

Client: Michelle Viotti, Org. 1861

Master: DVCProLP

Audio 1: Mono mix  2: Mono mix

09/14/2012 - 0:28:38   Producer: Beck
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
09/14/2012 - 0:32:35  Producer: Beck

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.

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

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

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

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

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
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 - 1:00:00   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
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  
05/17/1972 - 0:00:00   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
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 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
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.
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
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
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
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
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
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**  
Audience: Gen. News Resource  
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
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
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  
07/07/1976 - 0:45:00  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  
07/12/1976 - 0:44:00  Producer: Steve Bridges  

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.
**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:** BCAMsp

**Audio 1:** Mono mix  **2:** Mono mix

07/20/1976 - 1:04:00  **Producer:** Steve Bridges

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**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
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-1976-049-1/1  **Viking 1 Issues and Answers**
No description
Audience: News Resource
Client:
Master: 1" IVC
Audio 1: Mono mix  2: Mono mix
07/25/1976 - 0:30:00  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 Orgel Salk 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
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.

Viking Science Forum II
With G. Soffen, K. Biemann, L. Orgel, J. Lederburg, H. Klien, H. Horowity 10:00 am
1 OF 2

Viking Press Conference
9:30 am Blue Room Com.

AVC-1976-060-1/1

AVC-1976-067-1/2

AVC-1976-067-2/0

AVC-1976-082-1/1
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 hours 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
AVC-1976-084-1/1  **Viking 2 Post Landing News Conference**

**Client:** News
**Master:** 1" IVC  **Submaster:** BCAMsp  
**Audio 1:** Mono mix  **Audio 2:** Mono mix
**Date:** 09/03/1976 - 0:44:00  **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)

**Client:** Viking/PIO  
**Master:** 1" IVC  
**Audio 1:** Mono mix  **Audio 2:** Mono mix
**Date:** 09/04/1976 - 1:03:00  **Producer:** Steve Bridges

**AVC-1976-085-2/2  A Look at Mars: Retrospect and Prospect**
Part 2

**Client:** Viking/PIO  
**Master:** 1" IVC  
**Audio 1:** Mono mix  **Audio 2:** Mono mix
**Date:** 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.

**Client:**  
**Master:** BCAMsp  **Submaster:** 1"IVC  
**Audio 1:** Mono mix  **Audio 2:** Mono mix

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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
AVC-1976-100-1/1 **Viking Press Conference**
With C. Leovy 1:30 pm
Audience: News
Client: Viking/PIO
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: Viking/PIO
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: Viking/PIO
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
Client: Viking/PIO
Master: 1" IVC
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
Client: Viking/PIO
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
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

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

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

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

Interview with Gerald Soffen on Viking
LOCATION: SCIENCE TEST LANDER
Audience: Resource
Client: 
Master: 1" IVC
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  
11/05/1976 - 0:15:00  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  
Client:  
Site: von Kármán Aud
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 - 0:39:49  Producer: Steve Bridges

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
11/03/1977 - 0:19:25  Producer: Steve Bridges

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
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
06/26/1978 - 0:10:00   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

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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
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
02/23/1979 - 0:43:00

Blue Room Voyager Activity
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

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
Site: von Kármán Aud.
Client:
Master: 3/4"        Submaster: DVCPro25
Audio 1: Silent      2: Mono mix
02/28/1979 - 0:21:00

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

Voyager I Jupiter Encounter Press Briefing
Part 2 of 3
Audience: News Resource
Site: von Kármán Aud.
Voyager I Jupiter Encounter Press Briefing
Part 3 of 3, Press Briefing KCET; Panel Setting, Interview with Robert Parks and Charles Kohlhase

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.

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.

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
Voyager 1 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.
Client:
Master: 3/4" Submaster: 3/4"
Audio 1: Silent 2: Mono mix
03/02/1979 - 1:00:00

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

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.
Client:
Master: 3/4” Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/03/1979 - 1:00:00

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.
Client:
Master: 3/4” Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/03/1979 - 0:14:00

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 angle 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**
Audience: News Resource
Site: The Blue Room
Client:
AVC-1979-024-3/6 **Voyager I Jupiter Encounter Press Briefing**
R. Heacock, B. Smith, L. Soderblom, D. Morrison, G. Dexter, E. Stone
Client:
Master: 3/4" Submaster: DVCPro25
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.
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**
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
Blue Room Voyager 1 Jupiter Commentary
Al Hibbs, Voice of Voyager;
guests: Soderblom, Masursky, Lane;
Viewing and discussing Voyager Moon IO.

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.

Voyager 1 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.

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.
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;
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 Ganymede.
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
Blue Room Voyager 1 Jupiter Commentary
Audience: News Resource
Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/06/1979 - 0:58:55

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

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

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

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.
Client:
Master: 3/4" Submaster: DVCPro25
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.
Client:  
Master: 3/4"  Submaster: DVCPro25  
Audio 1: Silent  2: Mono mix  
03/06/1979 - 1:02:20

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**  
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**
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
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.
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. Lonnie 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**
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.
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.
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**

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.

AVC-1979-076-1/1 Voyager 2 News Briefing

AVC-1979-077-1/1 Voyager 2 Jupiter Mission Report

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 Jupiter'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"
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.**
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.**
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
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.

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.

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

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.
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 - 1:00:39

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

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.
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
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 - 0:10:02

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 - 0:10:00

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  
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.
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
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.  

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.  

AVC-1980-037-1/1  **Voyager Saturn Science Briefing**  
Observatory Load A502" - Jude Diner; Science Coordinator.  
Audience: JPL News  

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.  

AVC-1980-048-1/1  **Voyager Saturn Science Briefing - Far Encounter - 1**  
Audience: Gen. News  
Site: von Kármán Aud.  
Client:
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

AVC-1980-050-1/1  **Voyager Saturn Science Briefing - Far Encounter - 2**
LOAD A525 - Ellis Miner, Science Coordinator.
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.
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.
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.
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
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**
Part 2 of 2; Q & A Segment.
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.
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
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  
Client:  
Master: 3/4" Submaster: DVCPro25  
Audio 1: Silent 2: Mono mix  
11/10/1980 - 1:02:00

AVC-1980-064-2/2  **Saturn and the Mind of Man Symposium**  
BECKMAN AUDITORIUM, CALTECH - 4:30 - 6:30 PM -- Walter Sullivan, New York Times; Phillip Morrison, MIT Astronomer;

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
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

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.

Voyager Project Scientist

Brad Smith - Imaging Team Leader

Zoom Film, Rings; Titan Hood; Lawrence Soderblom - Imaging
Science - Satellites.

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

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.

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.

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: 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


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
**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

**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

**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

**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
AVC-1980-078-1/2  **Voyager I Saturn Encounter News Briefing - 9:30 am**  
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  

AVC-1980-079-1/1  **Voyager I Saturn Encounter Satellite Feed - 11:00 am**  
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
Voyager I Saturn Encounter News Briefing - 10:30 am
R. Laaser, 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 Chemistry
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

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

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

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.

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

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

AVC-1980-086-2/2

AVC-1980-087-1/1
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
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"  
Audio 1: Silent  
2: Mono mix  
11/17/1980 - 0:04:47  
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 - 1:02:44  
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:
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 - 0:01:27

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 - 0:06:03

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 - 0:08:35

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**  
Part 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, pre-design 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


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.


Client:
Master: 3/4" Submaster: DVCPro25
Audio 1: Silent 2: Mono mix
03/04/1981 - 0:07:09


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


Artificial Intelligence and Robotics - Mr. Dell Williams,
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

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:
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

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

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

Short JPL PIO Information tapes made for use in the "Voyager I Saturn Reports".
Audience:
Client:
Master: 3/4" U
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

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
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
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:
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
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.

Voyager 2 Saturn Encounter News Briefing - 10:30 AM
Part 2 of 2

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.

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.

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.

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.
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.

Voyager 2 Saturn News Briefing - 10:30 am
Part 2 of 2, Panel Setting Q & A.

Voyager 2 Saturn News Briefing - 3:00 pm
J. Beggs, B. Murray, A. Stofan

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

Voyager 2 Satellite Feed (Televane Productions)
5:00 pm Part 1 of 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

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

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

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
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

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

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

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

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
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.  
Master: 3/4"  
Submaster: DVCPro25  
Audio 1: Silent  
08/26/1981 - 0:08:09

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  
08/26/1981 - 0:02:25

AVC-1981-074-1/1  **Voyager 2 Satellite Feed (Televane Productions)**  
5:00 pm  
Audience: News  
Client:  
Master: 3/4"  
Audio 1: 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  
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  
08/26/1981 - 0:00:00
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 - 1:02:30

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
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

251
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
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**  
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**  
This 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.
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
05/01/1981 - 0:05:15 Producer: NASA HQ

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
01/01/1982 - 0:01:00

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 - 0:19:20

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:
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: Silent  
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 Vandenberg  
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, 1982
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, 1983**
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  
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**
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
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.

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AVC-1984-007-1/1  **1984 MARS ROVER PROTOTYPE**  
(Film to tape transfer) Demonstration of Rover Prototype climbing rocks and slopes. 
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  

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
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 - 0:03:16

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

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

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

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
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

"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

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

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.

"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
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

Galileo Vibration Tests
(Sound)
Audience:
Client:
Master: 3/4" U
Audio 1: Mono mix  2: Mono mix
10/02/1984 - 0:03:00

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

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
AVC-1985-005-1/1  **Excerpts from Voyager 2 - Saturn Encounter**
Audience: JPL NASA

AVC-1985-008-1/1  **IRAS - Space Technology from the Netherlands**
Join by the United States and Great Britain.
Audience: NASA

AVC-1985-011-1/1  **Galileo Mission to Jupiter**
(Film-to-tape transfer)

AVC-1985-013-1/1  **Galileo: Move from Spacecraft Assembly**
Facility to Spacecraft Simulator (film-to-tape transfer)

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
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 - 0:16:40  
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 - 0:03:16  
Producer: JPL Comp GraphicsLab  

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 - 0:04:00  

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**  
Tape 2 of 2 - (Raw Stock) F. Locatel; 4 -25-85, Raw Stock.  
Audience: JPL
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 - 0:25:02

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**
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)
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**"

(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:
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..
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 - 1:00:00

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**
AVC-1986-049-1/1  **Voyager at Uranus - Blue Room Update**  
8:00am - D. Pivirootto, 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 - 0:28:00

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 - 0:06:00

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 - 0:56:40

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
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
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

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

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

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

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
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
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:
Voyager at Uranus (VU-3) (WithNarration)
Releasevideo Animation Rendition; Audio is very faint.

Voyager UTC M 3 Clock
Voyager/Uranus Encounter, The Countdown

Message fromWilliam R. Graham to All NASA Employees
RegardingSpace Shuttle Tragedy

HALLEY'S COMET
Public Information Office

Uranus and Moons -- Raw Buildups
Silent - Marian Inova

Goldstone Antennas
DSS 14 and DSS 15. NOTE: Film to tape transfer
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

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

Comet Rendezvous
New Version
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
04/04/1986 - 0:08:00

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

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
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, Oceanogapher.
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" U    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 Meieron, 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
MARS CONFERENCE - Panel Discussion
Part 2 of 2 - Carl Sagan, Dr. Bruce Murray, Harvey Meierison, 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

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

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

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

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
Client:
Master: 3/4" U Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix JPL 750
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 - 0:17:00   Producer: Hugh Aircraft

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"
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 GOLDSKOE,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
AVC-1987-096-1/1  **Space Shuttle Challenger Accident Investigation**
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)**

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
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
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
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
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
Visions of Other Worlds
Audience: NASA
Client: NASA
Master: 1"C
Audio 1: Mono mix  2: Mono mix
06/07/1984 - 0:28:00

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

Mars the Movie
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

Collection of the Movies
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

Galileo Probe Pre-Shipment Review
THE MAKING OF THE GALILEO PROBE
GALILEO PROBE "READY TO GO"
Audience:
Client:
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    Submaster: 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
Life and the Solar System: The CRAF and Cassini Missions

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

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

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

Magellan Science Briefing

Audience: JPL
Client: Steve Saunders
Master: M-II
Audio 1: Mono mix 2: Mono mix
03/27/1989 - 0:32:00

VEGA AND PHOBOS

Soviet Space Missions
Steve Edburg
Footage From The U.S.S.R.
Audience:
Client:
AVC-1989-036-1/2  **Magellan Press Conference**
Audience:
Client: NASA
Master: 3/4"
Audio 1: Mono mix  2: Mono mix
04/11/1989 - 0:20:00

AVC-1989-036-2/2  **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

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
(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

Voyager II Neptune Raw Images
Audience: JPL NASA
Client:
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  
07/05/1989 - 1:17:00

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 - 0:25:00

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**  
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**  
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
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 - 0:39:00

Voyager 2 Neptune Raw Images
SILENT
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
07/25/1989 - 0:42:00

Voyager Press Conference
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

Voyager 2 Neptune Raw Images
Audience:
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/07/1989 - 0:38:00

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
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

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

Voyager 2: Encounters Neptune & Triton
Audience: NASA
Client: William Kosmann
Master: 1"C    Submaster: 1"C
Audio 1: Mono mix    2: Mono mix
08/24/1989 - 0:04:00

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

Voyager 2: Neptune Weather Movies
A South Polar view and equatorial view
Audience: NASA
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 Aames 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
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

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

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

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

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 Pivirootto, Steve Wall
Guests: S.M. Krimigis, Doug Griffith
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 Pivirootto, Steve Wall
Guests: S.M. Krimigis, Doug Griffith
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

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**
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  Submaster: 1"C
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  Voyager 2: Neptune - Vice President Quayle
VTV-88
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

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 Piviotto
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 Piviotto, Jancis Martin, Al Hibbs
Guests: Norm Ness, Charles Kohlhase
Audience: News Resource
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
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

BLUE ROOM - Voyager 2 at Neptune Update
Hosts: Donna Pivirootto, 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

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

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

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   Voyager Last Picture Show
VTV-103
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   JPL Computer Animations
J
"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   Voyager: National Air & Space Museum
VTV-102
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
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**  
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
"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**
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:
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:
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
**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

**NOTE:** see full description sheet in file 90-122.AVC

**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.
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.
Audience: Resource Site: JPL
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.
4. Close-up of Ed Stone asking a question; also Brad Smith, L. Lane.
5. Shots in the Press room.
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
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
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.
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

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                                  Submaster: DVCPro25
Audio 1: Mono mix    2: Mono mix
(old designation- Hour 1:30)
03/09/1990 - 0:27:51

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

357
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 Masurisky, Stone.
2. Three men analyzing data.
3. Different shots of the imaging room. 3 men viewing b & w pictures on a small monitor.
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.
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.

**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.
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.
   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.
   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.
   Audience: Resource  Site: JPL
   Client:
   Master: 1"C    Submaster: DVCPro25
   Audio 1: Mono mix  2: Mono mix
AVC-1990-128-13/28 Voyager Film Rawstock Footage - Voyager 2/Uranus tape #3
Film to tape transfer
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.
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

(0ld 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.
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:
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 2:30)
03/12/1990 - 0:29:15

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.
Audience: Resource Site: JPL
Client:
Master: 1"C
Audio 1: Mono mix 2: Mono mix
(old designation- Hour 3:00)
03/12/1990 - 0:14:35

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).
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
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. Press conference panel Q & A with Andy Ingersoll, Larry
Soderblom, Ed Stone, N.Ness, D.Guernott, J.Warwick..
Audience: Resource
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.
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
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.

**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.

**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.

**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.
4. Press conference in auditorium. "Voyager II at Triton" movie shown; Brad Smith and Ed Stone speak.

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
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.

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
2. Shots of blue room booth: an Al Hibbs program running; Marian Inova at control console.

Audience: Resource
Site: JPL
Client:
Master: 1"C
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 6:30, 128T27M)
   03/09/1990 - 0:29:00

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 |
> 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" |
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  
06/21/1990 - 0:27:00  
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**  
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**  
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
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:
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"
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,  
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"
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
09/13/1990 - 0:45:00  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
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.  
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 (Inova)  
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**  
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**  
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:
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
AVC-1991-046-1/1  **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

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.
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  
Producer: Savona

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)
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

Western Eistla Regio
DESCRIPTION SHEET: Included in 91-091.AVC
Audience:
Client: Magellan/Eric De Jong
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  

**AVC-1991-105-1/1**  
**JPL Special Program and Outreach Activities**
An edited program showcasing several JPL volunteer and outreach programs  

**Audience:**  
**Client:** Michael Chilicki  
**Master:** 1"C  
**Audio 1:** Mono mix  **2:** Mono mix  
03/29/1991 - 0:17:35  

**AVC-1991-108-1/1**  
**Magellan: At Venus Report**
Jason Hyon  
3/13/91  
Dr. Basilevsky  
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. Solomon  
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
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: 1"C
Audio 1: Mono mix  2: Mono mix
05/29/1991 - 1:10:00   Producer: Inova/Stealey

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

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
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

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
AVC-1992-001-1/1  **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

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

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AVC-1992-027-1/1  **Magellan Science Briefing**  
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-91-091 - 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**
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**
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**

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
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

02/11/1992 - 0:21:00  **Producer:** 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
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**  
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**
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

**Ear On The Universe**
Goldstone Set 1

Client: Joan Zyda

Master: 3/4"

Audio 1: Mono mix    2: Mono mix
03/02/1992 - 0:06:50

**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

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

**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.

Client: Eric De Jong

Master: 1"C    Submaster: 1"C
Audio 1: Music    2: Music
05/22/1992 - 0:00:50    Producer: Savona

**Transarabia Exped.: Space Technology & Discovery of Lost City of Ubar**

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.

**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.

**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.

**AVC-1992-133-1/1**  
**Gaspra Topography**  
A computer-generated animation providing a series of 3-dimensional perspective views of the surface of Gaspra.

**AVC-1992-134-1/1**  
**Galileo "Gaspra" Press Conference**  
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

VTV-331
Endeavour's maiden space flight, STS-49, featured rendezvous, repair and reboost of a crippled communications satellite.
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.

**AVC-1992-146-1/2  Surveyor Silver Anniversary**
A three-camera videotaping in von Kármán Auditorium.
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.
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

**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

**TOPEX/Poseidon Press Briefing**
A one-camera shoot in various areas such as: The Control Room (SFOF), BLDG. 264, TOPEX/Poseidon animation

**STS-50 Highlights Tape**
Dr. Eugene H. Trinh

**TOPEX/Poseidon Press Release**
A one-camera shoot in various areas such as: The Control Room (SFOF), BLDG. 264, TOPEX/Poseidon animation

**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

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

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
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 Soccer, 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  Mars Observer Launch
VTV-355-1
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
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
10/01/1992 - 0:02:53  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

NASA/KSC Video Release
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-1993-012-1/1  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-1993-013-1/9  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
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
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 - 0:23:00  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 - 0:20:00  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

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: NASA
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**
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 from still store of Voyager's Flyby of Neptune
Audience: JPL
Client: Eric De Jong
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: BCAMsp
Audio 1: Mono mix    2: Mono mix
12/08/1992 - 0:00:00

AVC-1993-072-1/3  **Galileo Blue Room Coverage**
Speakers: Terrile & O'Neil
Audience: News
Client: BCAMsp
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**
Speakers: Terrile, Greenelee, Johnson, Ausman, and Buxbaum
Audience: News
Client: BCAMsp
Master: M-II        Submaster: 1"C
Audio 1: Mono mix    2: Mono mix
AVC-1993-072-3/3  **Galileo Blue Room Coverage**
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**
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**
A three-camera videotaping of Carl Sagan's presentation of the Galileo spacecraft's ability to 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**
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

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**
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
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  
02/18/1993 - 0:06:35  
Producer: Savona

AVC-1993-114-1/1  **TOPEX Animation**  
VTV-389  
1. Topography of the World's Oceans by Topex/Poseidon NASA/CNES.  
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 Yamarone 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  **ST5-52 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  **ST5-52 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
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 - 0:50:00  Producer: Ziats

AVC-1993-144-1/1  **A Summary Of Magellan Results**
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
VTV-404
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  Magellan Aerobraking Press Conference
VTV-407
From NASA Headquarters
Speakers: Douglas Griffith, Steve Saunders, Ellen Stofan, Wes Huntress, William Sjogren
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  TOPEX/Poseidon: Monitoring Earth's Oceans from Space
VTV-412
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
Maste: 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
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 - 0:42:00  Producer: Semerano

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.
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
Mars Observer Press Conference
Glenn Cunningham Mars Observer Mission Manager updates the media on the loss of the Mars Observer radio signal.

Welcome to Outer Space - Single Screen Version
Single screen version of the triple-screen multimedia 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.

Mars Observer and the Laboratory
A three-camera videotaping of a talk by Dr. Edward Stone, Piotrowski and Dallas in von Kármán Auditorium.

MESUR Pathfinder Microrover - Flight Experiment 14 September 1993
An Edited video showing a microrover flight experiment. Includes interviews with engineers in the project.
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.  
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.  
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
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.

Client: Kane Casani, Org. 203  Site: 179-112
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.

Client: R. Welch/G. Edmonds, Org. 347  Site: JPL-305
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.

Client: JoBea Way
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

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

STS-57 Post Flight Press Conference
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

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.
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

An Operational Overview of the Ulysses Instruments
The results of Ulysses science instruments. Presented in three parts:
Audience: Tech.
Client: Ed Massey
Master: 1"C
Audio 1: Mono mix  2: Mono mix
11/08/1993 - 0:40:12  Producer: Stealey

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

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

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
AVC-1994-042-1/1  **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
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
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

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

STS-61 Mission Highlights
"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

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
Hubble Space Telescope Servicing Mission Briefings

AVC-1994-051-2/3

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 - 1:30:00

Hubble Space Telescope Servicing Mission Briefings

AVC-1994-051-3/3

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

STS-61's Wide Field/Planetary Camera II Coverage

AVC-1994-052-1/3

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

STS-61's Wide Field/Planetary Camera II Coverage

AVC-1994-052-2/3

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

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

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

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-1994-065-1/1 **STS-59 Space Radar Lab I moved to Work Stand** Raw footage Film Transfer KSC94-40117
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
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
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


-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.
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
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.  
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  
4. "Types of Telescopes" 16:53  
All hosted by David Siedel.  
Client: Bridges/Alvidrez, Org. 182/3  
Master: Submaster: BCAMsp  
Audio 1: 2:  
02/01/1994 - 1:03:04 Producer: Stealey

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.  
Audience: Site: see above  
Client: E. McNevin/PIO, Org. 181  
Master: 1"C  
Audio 1: Mono mix 2: Mono mix
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** 
Discusses amateur telescope construction with the inventor of the Dobsonian telescope mount. 
Guest Dr. Andrea Donnellan, Geophysicist, discusses using the Global Positioning Satellite System to study plate tectonics on Earth. 
3. "Viewing the Annular Eclipse, 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 
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**

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 ANIMATION 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, L, 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:
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 Mgr, 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
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
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
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.
Client: Mona Jasnow/PIO, Org. 770
AVC-1994-107-1/1  **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
03/29/1994 - 0:59:10  Producer: Semerano

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)
-- 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

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. Leschuita, 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
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)

STS-59 Launch & Replays
Launch of Shuttle STS-59 and the SIR-C/X-SAR payload. Launch at 0:13:00.

SIR-C/X-SAR/STS-59 4/9/94 Mission Update
Mission Update with Rob Navias.

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
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix   2: Mono mix

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.
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
Client: Mona Jasnow, Org. 7700
Master: BCAMsp
Audio 1: Mono mix   2: Mono mix

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

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. 7700  
 Master: BCAMsp  
 Audio 1: Mono mix    2: Mono mix  

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

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
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

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**
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
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 - 0:23:30  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.  
Client: Mona Jasnow, Org. 7700  
Site: JSC  
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
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

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
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.  
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

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.  
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.  
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  
(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) (MIT)

Audience: Resource
Client: PIO, Org. 182
Master: BCAMsp Submaster: BCAMsp
Audio 1: Silent 2: Silent
05/18/1994 - 0:14:00 Producer: various

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

Comet Shoemaker-Levy 9: Discovery and Future
PART 2
Audience: Gen. Site: von Kármán
Client: Maynard Hine, Org. 2300
Master: M-II Submaster: BCAMsp
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**
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**
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
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

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

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

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**
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
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

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

SIR-C/X-SAR FIRST AND SECOND FLIGHT RESULTS
Narrat ed 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

Comet Shoemaker-Levy 9: Countdown to Impact
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
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.

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.

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.

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.
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 - 1:03:00  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 - 0:18:34  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 Hammel 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
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

Comet Shoemaker-Levy 9 Post Impact Media Briefing #7 - 9:00am 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
07/20/1994 - 0:10:00 Producer: NASA TV/Goddard

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

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.
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  
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  
Client: PIO, Org. 181  
Master: BCAMsp  
Audio 1: Mono mix 2: Mono mix  
TRT 1:20:50  
ST5-68 L-14 Press Conference
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

ST5-61 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

ST5-61 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

The Mars Pathfinder Approach  Educational and Public Outreach
Three Camera Videotaping in von Kármán, Dr. Cheick
Diarrá 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 Diarrá, Org. 2100
Master: 1"C
Audio 1: Mono mix 2: Mono mix
08/09/1994 - 1:00:00 Producer: Stealey

The Mars Pathfinder Approach  Educational and Public Outreach
Part 2 of 2 Total Running Time 2 hours
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.

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

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and the Pluto Fast Flyby mission in particular. With Robert Staehle and Richard Shope

AUDIENCE: Jackie Giuliano

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  

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
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
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 - 0:54:00   Producer: Cory Borst

AVC-1994-232-2/2 **STS-68 AUGUST 18 ABORTED LAUNCH COMPILATION TAPE**
August 17th L-1 News Conference
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  
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
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.

**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.

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Client: Mona Jasnow  
Master: 3/4"  
Audio 1: Mono mix  2: Mono mix  VJSC1417  
06/14/1994 - 0:57:45  Producer: JSC

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

Audience: News  
Client: Mary Hardin  
Master: 1"C  Submaster: BCAMsp  
Audio 1: Silent  2: Silent  
09/23/1994 - 0:03:44  Producer: Semerano
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

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

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

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
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.
SIR-C/X-SAR Computer Animation Press Release of Mount Rainier Volcano


SIR-C/VSAR 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

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.

Magellan Press Conference


AVC-1995-009-1/1

AVC-1995-011-1/1

AVC-1995-012-1/1

AVC-1995-013-1/1
**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
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

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

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

A Compilation of SIR-C Simulated Flights from 1994 - 1996

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).


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
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
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
11/18/1994 - 1:30:00   Producer: Savona

AVC-1995-057-1/1  **STS-68 POST FLIGHT PRESENTATION**
Astronauts recount their 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 - 0:59:30   Producer: JSC

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"
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.

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.

Images of GRO J1655-40
VLBI images of star GRO J1655-40.

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.
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. Mesar 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
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

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

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

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

Gene Shoemaker on Shoemaker/Levy 9
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
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.

STS-66 Mission Highlights Resource Tape
A video production form Lyndon B. Johnson Space Center - production number #VJSC1448

STS-67 Post Flight Presentation
A video production from Lyndon B. Johnson Space Center - Number #JSC1477

Pluto Express - Art Center College of Design: Spacecraft Design Class
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.

Audio 1: Mono mix  2: Mono mix
04/12/1995 - 1:19:46  Producer: Ziats/McElvain

AVC-1995-112-1/1

AVC-1995-114-1/1

AVC-1995-115-1/1

AVC-1995-116-1/1

VTV-548

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)

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:

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
AVC-1995-122/1 "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 "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 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 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 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.
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  AVC-95-116  
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)
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
Visualization of Earth Asteroids
Visualization of Earth Approaching Asteroids And
Associated Physics Using Radar Based Models.

Audience:
Client:
Master: sVHS
Audio 1: Mono mix    2: Mono mix
06/12/1995 - 0:07:05
Producer: Eric DeJong

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
06/13/1995 - 0:08:00   Producer: McNevin

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

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

Ulysses Northern Solar Polar Pass B-Roll Footage
Ulysses Northern Solar Pass Press Release B-Roll
Footage.
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.

Galileo Jupiter Encounter Probe Release Simulation
Two versions of computer generated animation showing the Galileo Probe release.

Mariner - Mars Highlights for NASA-TV Video file

Mars Pathfinder Mission - Version 2 - July 12 1995
Engineering Update using footage of various tests involving Mars Pathfinder.
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

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

Galileo Post Orbiter Deflection Maneuver Press Conference
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

5 kg. Rover Control with Virtual Reality
This edited production demonstrates a control of a laboratory rover using a virtual reality operator interface.

STS-71 Post Flight Presentation

Audience: Resource
Client: JSC
Master: 3/4"
MIR 18 Post Presentation

VTV-567

Audio 1: Mono mix  2: Mono mix
08/03/1995 - 0:31:25  Producer: JSC

AVC-1995-176-1/1

How Dinosaurs might have been saved: Detection/Deflection of Comet

---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.

VTV-568

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-1995-178-1/1

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-1995-182-1/1

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.  
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  
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.  
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.  
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:
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
**10/03/1995 - 0:08:17**  **Producer:** Hanchett

For a new, corrected version use AVC-98-034

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.  
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
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

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  KidSat: A Caltech student-assisted production(4 minute version)
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 - 0:04:00   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
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
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

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

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: Ludwinski, Org. 9500
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix

12/07/1995 - 0:25:00  Producer: Beck

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

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
**12/11/1995 - 0:02:39  Producer:** Savona

**AVC-1996-062-1/1**  **Galileo Probe Entry Animation**


**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**  
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
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

Early Galileo Probe Results Press Briefing Part 2 of 2

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

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

AVC-1996-080-1/2
VTV-593/1

AVC-1996-080-2/2
VTV-593/2

AVC-1996-081-1/1

AVC-1996-082-1/1
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.  
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.  
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.  
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.  
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  
Audience:  
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
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

Magnetic Storms News Conference
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

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

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
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
Client: PIO, Org. 181
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
03/07/1996 - 0:59:42   Producer: NASA Hq

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

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.
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 Preliminary Galileo Probe Mission Summary
VTV-620
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  1997 NASA Budget Press Briefing
VTV-610
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 NASA Space Camp - "The Ultimate Classroom"
VTV-611
Audience: Edu.
Client: Teresa Bryant, Org. 0920
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

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

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

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

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 Test 1/11/96
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
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

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

AVC-1996-152-1/1  **STS-77 Pre-Flight Briefing Spartan 207/Inflatable Antenna Experiment**

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 Dedications Video File for NASA-TV**

Video File for NASA-TV to be used in support of 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 nebulae 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
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
Mars Pathfinder Resource Compilation
This tape contains the best of raw footage from assembly to launch for the Mars Pathfinder mission.

Audio 1: Mono mix 2: Mono mix
05/06/1996 - 1:00:00 Producer: Beck

Space Science in the 21st Century
Directors Topical Seminar Series
Professor Freeman Dyson gives lecture on three advanced launch systems that give us radically cheaper access to space.

Audio 1: Mono mix 2: Mono mix
05/09/1996 - 1:08:00 Producer: Beck

"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.

Audio 1: Silent 2: Silent
05/16/1996 - 0:02:00

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.

Audio 1: Silent 2: Silent
05/16/1996 - 0:01:58 Producer: Savona

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.

**AVC-1996-183-1/1 The Crab Nebula: The Movie (VISUALS ONLY)**
A video news release from Space Telescope Science Institute.
Visuals only

**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.

**AVC-1996-195-1/1 Galileo - Ganymede Encounter - G1 orbit computer animation**

**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
Vice President Gore's Announcement of X-33 Builder

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.

X-33 Press Conference with NASA Administrator Dan Goldin & Gary Payton

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.

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.

Galileo Ganymede Press Briefing Video File for NASA-TV


Galileo Ganymede Press Briefing Video File for NASA-TV


Audience: News
AVC-1996-206-1/1  **Science Briefing to the Galileo Flight Team**  
**VTV-634**  
An evaluation of Science Data by the Galileo Flight Team.  
Audience: Resource \hspace{1cm} Site: JPL  
Client: Maynard Hine, Org. 9500  
Master: BCAMsp  
Audio 1: Mono mix  \hspace{1cm} 2: Mono mix  
07/10/1996 - 1:30:00  \hspace{1cm} Producer: Beck

AVC-1996-207-1/1  **Galileo Science Update - First Ganymede Encounter Pictures & Results**  
**VTV-635**  
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 \hspace{1cm} Site: von Kármán  
Client: PIO  
Master: BCAMsp  
Audio 1: Mono mix  \hspace{1cm} 2: Mono mix  
07/10/1996 - 1:00:00  \hspace{1cm} 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 \hspace{1cm} 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 \hspace{1cm} Site: NASA HQ  
Client:  
Master: BCAMsp  
Audio 1: Mono mix \hspace{1cm} 2: Mono mix
Space Science Update - "Measuring the Universe"
Space Science Update featuring a discussion on the relative age of our 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

03/07/1996 - 0:56:44   Producer: NASA

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

05/09/1996 - 1:09:47   Producer: NASA

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

05/30/1996 - 0:39:10   Producer: NASA

Mission: MARS
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
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
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
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**
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**
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.
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.  
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
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-5:0; 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
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  
10/01/1996 - 0:11:30   Producer: Photo Lab

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
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)

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

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

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
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

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

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

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**
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
Mars Global Surveyor Launch Coverage from NASA TV
VTV-667

Audience: NASA Resource
Client: Master: sVHS
Audio 1: Mono mix 2: Mono mix
11/07/1996 - 0:00:00 Producer: KSC

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

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

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
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.

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.

Visualization of Earth Approaching Asteroids
The video sequences are based on radar observations
(delays-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.

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.

Mars Pathfinder Pre-Launch Press Conference
Mars Pathfinder Pre-Launch Press Conference taped live off
NASA Select at 8:00 am pacific time.
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

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

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

Galileo Science Update - Ganymede, Europa and Callisto
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.**  
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 Kliuievska 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
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
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.  
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  
Audio 1: Mono mix  2: Mono mix  
02/14/1997 - 0:16:00  Producer: Semerano

AVC-1997-101-1/1  **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-1997-102-1/1  **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  
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

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

Mission To Planet Earth
Press Conference from NASA HQ.

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

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
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
01/23/1997 - 1:00:00   Producer: Passport to Knowledge

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
01/30/1997 - 1:00:00   Producer: Passport to Knowledge

Comet Hale-Bopp Video File Compilation
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

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
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

Live From Mars #1: "Countdown"

"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

Live From Mars #2: "Cruising Between the Planets"

"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

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.
AVC-1997-160-1/1  **Independence Regained**  
"Improved Lifestyles through Computer Assistive Technology"  
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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.
Galileo/Jupiter Atmospheric Animations
Compilation of spacecraft and data animation, in support of the June 5, 1997 Galileo Science Update.
Audience: Resource

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.

von Kármán Lecture Series - "The 20th Anniversary of Voyager"
Dr. Edward Stone talks about the Voyager missions to the outer planets using pictures and animations.

Space Infrared Telescope Facility
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.

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
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**

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
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
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

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

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
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
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

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

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;
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

No Tape - (error in numbering)
Audience:
Client:
Master:
Audio 1: Mono mix  2: Mono mix
07/04/1997 - 0:00:00

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

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
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
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

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

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

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
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

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

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

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.  
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

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

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

Mars Pathfinder Landing Day Commentary Coverage - 7/6/97, 4:00 pm
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 thanks crew and people for their support.
Commentator: Jane Platt
Audience: News Resource
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
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
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  
Audio 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  
Audio 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  
Audio 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  
Audio 2: Mono mix
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

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

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

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.
Mars Pathfinder Science Team News Briefing - 7/7/97, 10:00 am
Discussed ongoing 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.

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

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


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 A Tribute to the Mars Pathfinder Team
VTV-720
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.
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
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)

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

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
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.

Explorer 1 - "The Big Picture"
A "Big Picture" series produced by the U.S. Army. Depiction of the 84 day Explorer 1 program from its 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.

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.

"Action Plan to Gain & Maintain Support for Human Exploration of Mars"
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.

**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.
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
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.  
Auditence: 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)  
Auditence: 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.  
Auditence: 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**
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.
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:
2. Flyover of Saudi Arabia. 2X
3. Flyover of Owens Valley. 2X
Audience: Gen. News Resource

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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
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**
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
AVC-1997-235-2/2  Cassini Mission Science Briefing
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 - 1:32:00  Producer: NASA HQ

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**
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
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
- 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

This 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

This 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

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  
Audio 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  
Audio 2: Mono mix  
01/11/1997 - 0:27:37

AVC-1997-249-1/1  
Astrobiology in the Future of NASA  
"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  
Audio 2: Mono mix  
09/15/1997 - 1:00:00  
Producer: Beck

AVC-1997-250-1/1  
TOPEX/Poseidon El Nino Compilation  
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  
Audio 2: Mono mix  
09/17/1997 - 0:25:55  
Producer: Ziats

AVC-1997-251-1/1  
von Kármán Lecture Series - "Countdown to Launch"  
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
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  
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  
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.  
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  
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
"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

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**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

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**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

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**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
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

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

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

Cassini Launch Night Program
Switched program of activities in von Kármán Auditorium and
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

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  CMA - "Martian Life and Its Implications for Humankind's Place..."
VTV-725
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
Stardust Mission Overview and Name Microchip Video File for NASA

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

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

Mars Global Surveyor Press Briefing

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

Imaging Radar

An edited production of an overview, history and future applications of spaceborne imaging radar.

Client: Mona Jasnow
Master: 1"C Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
11/09/1997 - 0:06:07 Producer: Semerano

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.

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 Mars Pathfinder First Day of Issue Stamp Ceremony
VTV-730
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

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


AVC-98-053 Clouds of Venus preludes.

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

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.

AVC-1998-063-1/2

**Cassini Flow Compilation**

Audience: Resource

Site: JPL
AVC-1998-063-2/2  **Cassini Flow Compilation**  
Audience: Resource  
Site: KSC  
Client:  
Master: BCAMsp  
Audio 1: Mono mix  2: Mono mix  
02/18/1998 - 0:40:00  Producer: Semerano

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**  
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
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

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

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

AVC-1998-075-1/1  **Earth & Space Science Colloquium - "The Age and Size of the Universe"**

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 Mars Orbiter Camera: Views from the Aerobraking Orbit
VTV-740
Director's Topical Seminar Series
Speaker: Dr. Michael Malin, Malin Space Science Systems.
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
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
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

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

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

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

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

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.
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.

How to use DNS Services & The Business Case for DNS
Steve Bluhm, the JPL DNS Contract Manager, presents details about the DNS contract, services and the procedures for using them. Q & A follows presentation.

How to use DNS Services & The Business Case for DNS
Part 2 of 2

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.
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 -----
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.
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.
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
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  
**Client:** S.Chavez/ MRO /NASA  
**Master:** BCAMsp  
**Audio 1:** Mono mix  
**Audio 2:** Mono mix  
**Date:** 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  
**Audio 2:** Mono mix  
**Date:** 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  
**Client:** Jurrie/MRO, Org. 1810  
**Master:** sVHS  
**Audio 1:** Mono mix  
**Audio 2:** Mono mix  
**Date:** 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.  
**Client:** Leslie Lowes  
**Master:** BCAMsp  
**Audio 1:** Mono mix  
**Audio 2:** Mono mix  
**Date:** 05/20/1998 - 1:00:00  
**Producer:** Bridges (JPL)
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

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

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

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

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

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

The 1997-98 El Nino: Observations from TOPEX/Poseidon
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 Sojourner 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
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
Client: Media Relations
Site: von Kármán Aud.
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 - Toutes 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

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
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
08/06/1998 - 0:13:53   Producer: Ainsworth

AVC-1998-167-1/1 Europa Comp: Myth of Europa & Experts Speak out: Another Water World?
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
08/24/1998 - 0:07:54   Producer: Dawson

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
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
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

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

Galileo Outreach Compilation
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-1997-167 Galileo/Jupiter Atmospheric Animation
AVC-1997-071 Ganymede, Europa & Callisto Video File
AVC-1996-258 Galileo Animation Compilation
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

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.

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.

Audio 1: Mono mix    2: Mono mix

AVC-1998-182-1/1

AVC-1998-185-1/1

Audience: Edu.
Client: Sohus
Master: D-BCAM      Submaster: BCAMsp
Audio 1: Mono mix    2: Mono mix

AVC-1998-181-1/1

AVC-1998-181-1/1

AVC-1998-182-1/1

AVC-1998-185-1/1
**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*

**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*

**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*

**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*

**The Pathfinders**
"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**
Narrative 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.
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-Director 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
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  
**Audio 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  
**Audio 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  
**Audio 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  
**Audio 2:** Stereo  
**AVC-1996-160**

**06/04/1999 - 0:06:55**  
**Producer:** Gary Savona
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

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

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

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
**Outer Planets/Solar Probe Project: Missions to Europa, Pluto & the Sun**

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.

**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. Kenneth L. Atkins

**CMA - "Apollo: An Eyewitness Account"**

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.

**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.
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 - 1:07:00 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

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.
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.
Client: M. Chahine
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
12/11/1998 - 1:15:00  Producer: Beck
**Mars Climate Orbiter Launch Coverage**
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
Client: Media Relations
Master: BCAMsp   Submaster: BCAMsp
Audio 1: Mono mix   2: Mono mix
12/11/1998 - 1:03:00

**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
Client:
Master: BCAMsp
Audio 1: Mono mix   2: Mono mix
12/09/1998 - 0:45:42   Producer: KSC

**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
Client:
Master: BCAMsp
Audio 1: Mono mix   2: Mono mix
12/09/1998 - 0:57:52   Producer: KSC

**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
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 The Science & Politics of Climate
VTV-813

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.

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
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

"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

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

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

Stardust Launch Postponement Press Conference
Panelists: Ray Lugo; Chris Walsh; Dr. Kenneth Atkins
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.

Stardust Post Launch Press Conference

Panelists: Ray Lugo; Dr Kenneth Atkins; Joe Vellinga; Dr Donald Brownlee.

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.

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
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: Watson
Master: BCAMsp
Audio 1: Mono mix    2: Mono mix
02/16/1999 - 0:04:20   Producer: Dawson

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
Client: Media Relations
Master: BCAMsp
Audio 1: Mono mix    2: Mono mix
02/19/1999 - 0:01:32   Producer: Wynne

AVC-1999-039-1/1  NASA on the Cutting Edge: Small Bodies, Big Impacts - Cool Comets

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.

Client:
Master: BCAMsp
Audio 1: Mono mix    2: Mono mix
03/10/1999 - 0:30:00   Producer: Kate Ferrall
Asteroids

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

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

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

Mars Images MOC2-106 through 109 - Video File

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.
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.

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
Planning The Cassini Mission Educators Workshop

Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
05/07/1999 - 1:09:00  Producer: Parrillo

Planning The Cassini Mission Educators Workshop
Part 2 of 4
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
05/07/1999 - 1:28:00  Producer: Parrillo

Planning The Cassini Mission Educators Workshop
Part 3 of 4
Client: Shannon McConnell
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
05/07/1999 - 1:27:00  Producer: Parrillo

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

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

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

NCI Workshop Opening Remarks by Dan Goldin


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. 

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. 

Client: McConnell 
Master: BCAMsp 
Audio 1: Mono mix    2: Mono mix
AVC-1999-091-1/1  **QuickSCAT 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**
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**
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

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.
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
von Kármán Lecture Series: "Mapping Earth in 3-D"

Part 2 of 2

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

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

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

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

Deep Space 1 Space Science Update

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
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
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.
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.
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.
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
Client: Shannon McConnell
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.
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.
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
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

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

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)
Client: Media Relations, Org. 1810
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
08/25/1999 - 0:50:00  Producer: NASA HQ (Borst)

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

Welcome to Outer Space - 1999 single-screen version
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.

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.

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

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

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
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.
Small cone-shaped structures on lava flows in southern
Elysium Planititia 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.
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.
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.

Mars Climate Orbiter Investigation Board News Briefing
Board Chairman Art Stephenson, Director of the Marshall Space Flight Center, Dr. Ed Weiler and Dr. Stone participated in the news conference.

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

MGS/MOC Image of Antarctic-Style Polygons
Mars image released 11/15/99 show a terrain south of Hellas that is covered with antartic-style polygons. Indicating ground ice in the near subsurface.
AVC-1999-182-1/1 **NASA TERRA Pre-Launch Briefing**


Audience: Tech. Site: NASA-HQ

Client: FOD, Org. 182

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**


Audience: News Resource

Client: Hardin

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

Audio 1: Mono mix  2: Mono mix
"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.

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.

"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.

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
12/02/1999 - 1:13:00 Producer: Savona

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

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

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 Manager
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.

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
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 35-40 points
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
1:08:30:04 - Dr. Terrile - Link to earth OK.
1:10:56:00 - Dr. Terrile - Close Out
1:12:01:16 - Closing Graphics

Mars Polar Lander/DS2 COMMENTARY, 12/4/99 8:15PM
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

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
"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

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.

Mars Polar Lander/DS2 COMMENTARY, 12/5/99 - 9:30 PM
Host: David Seidel
13:55:00 - Phil Kanocke and Cahn 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
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 - 1:20:00 Producer: Beck

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
1:23:04:02 - 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

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

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
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.  
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.  
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  
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 month's 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

**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

**Client:** Mona Jasnow, Org. 7300

**Master:** sVHS

**Audio:** 1: Mono mix  2: Mono mix
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
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
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
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 McConnel, Alan Harris, Steve Edberg, Paul Chodas
Audience: Edu. JPL
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
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.  
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  
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  
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  
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.
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.
Audience: News Resource
Client: Mona Jasnow
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
02/21/2000 - 0:42:00  Producer: JSC

AVC-2000-047-1/1  
**Aids Vaccine: Finding The Cure**
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
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.
Client: Shirley Wolff
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo Mix 2: Stereo Mix
03/09/2000 - 0:03:52 Producer: Beck/Savona

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

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

Infrared - "More Than Your Eyes Can See"
In this fast-paced educational program, Astronomer, Dr. Michelle Thaller explains the world of infrared light.
Client: Dr. Michelle Thaller
Master: BCAMsp Submaster: BCAMsp
Audio 1: Stereo 2: Stereo
03/17/2000 - 0:07:00 Producer: Gary Savona

Mars Animations and Latest Images
Includes flyovers of the Martian terrain, MOLA images, north and south polar regions, Valles Marineris, 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
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
Client: Nancy Lavato
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
03/29/2000 - 0:29:00 Producer: Greg Parrillo

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

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
Client: Blaine Baggett, Org. 1800
Master: BCAMsp
Audio 1: Mono mix 2: Mono mix
04/12/2000 - 1:38:00 Producer: Ziats

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
Client: Eric DeJong
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

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.

AVC-2000-080-1/1  **Dog Bone-Shaped Asteroid Kleopatra - Video File**
Radar images of asteroid Kleopatra in motion.
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  Europa as a Habitat for Life
VTV-869
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
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.

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.

Digital Personnel News Conference
Voice driven human digital animation. Speakers included John Wright, Jerry Ruddle and James Rooney.

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.
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

Water on Mars Space Science Update
Part 2 of 2

Site: Mt. Wilson, CA
Client: Gil Clark

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.
**AVC-2000-114-1/1**  
**NASA's Mars Program after the Young Report Part II**  
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**  
**Client:** NASA TV
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.

**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.

**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.

**Mars 2003 Mission Selection, Press Conference**
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.

**AVC-2000-127-1/1**

**JPL Technology Roundtable**
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**Mars 2003 Mission Selection, Press Conference**
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.

**AVC-2000-128-1/1**

**EOS Volcanology Team Science Investigations**
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**AVC-2000-131-1/1**

**Mars 2003 Mission Selection, Press Conference**
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.

**VTV-875**

**Mars 2003 Mission Selection, Press Conference**
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.

**AVC-2000-127-1/1**

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**AVC-2000-131-1/1**

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**AVC-2000-128-1/1**

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**AVC-2000-127-1/1**

**EOS Volcanology Team Science Investigations**
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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.  
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
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

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

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

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
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.

SIRTF Spanish Language Website - Video File
NASA has unveiled its 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.

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.

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.

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
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.

Client: Kim Johanson, Org. 1840 Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
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
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

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

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

Mars Press Conference - Layered Terrain shows Evidence of Water
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
**Stills and Animation of Mars Layered Terrain**


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

**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

**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

**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

"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.

**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.

**von Kármán Lecture Series: "Adventures in Africa"**
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.

**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.
Announcement of JPL’s New Lab Director
WELCOME: Dr. Edward Stone-Introduces Dr. David Baltimore, Caltech President
Dr. David Baltimore-Annexes 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

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

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

Mars Global Surveyor End of Primary Mission Highlights
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.

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.

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.
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
02/12/2001 - 1:30:00 Producer: JHU/APL

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
02/12/2001 - 0:24:00 Producer: JHU/APL

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

NEAR Mission Post-Landing Press Conference
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
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.

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.

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.
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.

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.

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.

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.
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

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

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.

Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
03/19/2001 - 0:23:05   Producer: Semerano

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"
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.
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.
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

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**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

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**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

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**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
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

Mars Odyssey L-1 Briefing
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

Mars 2001 Odyssey Science Press Conference
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)

Mars Odyssey Launch - Shortened Version
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
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.

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.

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.

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.
von Kármán Lecture Series: "More Than Your Eyes Can See"
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

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

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

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
"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.

von Kármán Lecture Series: "The Beginnings of a Legacy"
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.

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.

JPL's 2001 Open House Webcast

Audience: Edu. NASA News Resource
Client: NASA TV/Webster
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix  2: Mono mix
05/17/2001 - 0:09:11 Producer: Gary Savona

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

Client: PSO/Kim Johansen
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix  2: Mono mix
05/10/2001 - 1:08:45 Producer: Gary Savona
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

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.
Client: Carolina Martinez
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
05/24/2001 - 0:09:01 Producer: Semerano

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.
Client: NASA TV/Mary Hardin
Master: BCAMsp
Audio 1: Silent  2: Silent
05/30/2001 - 0:03:10 Producer: Semerano/Kline

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
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

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

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

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
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.

Client: Comm. & Education
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
06/21/2001 - 1:10:27  Producer: Savona

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

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

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.
Client: Scafidi
Master: Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
07/05/2001 - 0:15:00 Producer: Semerano

AVC-2001-094-1 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 VPMA - Volunteer Professionals for Medical Advancement - Hospital 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. ** (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 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 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.
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.
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.

Client: NASA TV/Martinez
Master: BCAMsp Submaster: BCAMsp
Audio 1: Mono mix 2: Mono mix
08/24/2001 - 0:07:25 Producer: Semerano

von Kármán Lecture Series - "Earthquake Prediction"

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.

Client: Comm. & Education
Master: BCAMsp Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
08/30/2001 - 1:16:24 Producer: Savona

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

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

von Kármán Lecture Series - "Extra-Terrestrial Life"

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

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

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

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
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.

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.

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.

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
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"
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.
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.
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
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
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
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 Dan Goldin Addresses JPL
VTV-916
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 2001 Mars Odyssey Post-Arrival Summary News Conference
VTV-917
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
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

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. Stenphenie Lievense read e-mail questions. See http://passporttoknowledge.com to purchase video and teacher's guide.

Mars Mini-Bulldozer Rover - Web Production

Narration 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.

Ultra-Violet Camera - Web Production

Narration 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: Mast
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
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.

Cassini on the Lookout for Gravitational Waves - Video File

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.

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

2001 Mars Odyssey Launch, Telemetry Acquisition and Orbit Insertion

Launch: April 7, 2001
Orbit Insertion: October 23, 2001
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
11/28/2001 - 0:02:08   Producer: Kline/Savona

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
11/28/2001 - 0:03:29   Producer: Kline

von Kármán Lecture Series - "The Hunt for Earth-like Planets"
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
11/29/2001 - 1:21:00   Producer: Semerano

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
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
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

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                           Site: JPL
Master: BCAMsp
Audio 1: Mono mix    2: Mono mix
12/14/2001 - 0:13:52   Producer: Semerano

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                 Site: JPL
Client: NASA TV/Heil                           Site: JPL
Master: BCAMsp        Submaster: BCAMsp
Audio 1: Mono mix    2: Mono mix
12/14/2001 - 0:13:41   Producer: Savona

"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                           Site: JPL
Client: Viotti                              Site: JPL
Master: BCAMsp

"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.

"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.

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.

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.
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.

Women in Science-Mentors at NASA's Jet Propulsion Laboratory
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.

Passport to Knowledge - Live from Mars Demo
A shortened version of the Odyssey Orbit Insertion showing highlights of the hour long live show.

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.
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"**

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
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.
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"**
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
"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.

"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.

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.
NASA's Posture Hearing on the FY 2003 Budget

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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.

"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.

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.
von Kármán Lecture Series - "Autonomous Navigation for Urban Robots"

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.

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.

Building Better Airbags - Web Video

Mini-documentary about airbag testing at Plumbrook Lab.
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

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

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

NASA Administrator Sean O'Keefe Outlines Agency's Future
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.
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"**
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.
**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.

**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.

**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.
**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

**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

**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
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.

Client: Communication & Ed., Org. 1800
Master: BCAMsp
Audio 1: Mono mix   2: Mono mix
05/09/2002 - 1:23:15   Producer: Savona

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

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

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
Weighing Earth and Its Oceans - GRACE
An Edited production on the Gravity Recovery Climate Experiment (GRACE).
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.

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.
Client: MRO-Martha Heil, Org. 1810
Master: BCAMsp
Audio 1: Mono mix  2: Mono mix
06/12/2002 - 0:58:00  Producer: NASA HQ

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;

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
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  
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.  
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
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

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

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

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.
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
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

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

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

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
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

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

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

TOPEX/Poseidon's 10th Anniversary Presentations
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
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

Voyager 25th Anniversary Celebration Panel Discussion
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

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

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
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
09/09/2002 - 0:03:22  Producer: Beck

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
09/11/2002 - 0:01:00  Producer: Kline

AVC-2002-144-1/1  
**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 - 0:20:54  Producer: Semerano

AVC-2002-145-1/1  
**von Kármán Lecture Series - "A Unified View of the Universe"**
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
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

Visions of Exploration

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

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).

**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.

**AVC-2002-163-1/1**  
**von Kármán Lecture Series - A Billion Suns: the Lives/Deaths of Stars**  
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.

**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.

**AVC-2002-166-1/1**  
**SRTM World Series Zoom-in from Space**  
Animation zooms from whole earth into stadium. Animation by Mike Kobrick.
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.

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.

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.

Odyssey Science Webcast - Nov. 14, 2002
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.
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.

Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
11/22/2002 - 0:24:26 Producer: Savona

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

von Kármán Lecture Series - Rise of the Machines
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

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.
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.

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.

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.

752
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
Client: NASA TV/Buis
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/10/2002 - 0:07:14 Producer: Savona

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
Client: NASA TV/Agle
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
12/12/2002 - 0:12:22 Producer: Savona

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

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.

Client: Stephenie Lievense
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
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
Client: Alan Buis, Org. 1810
Site: Japan
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.
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.
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?
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
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

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

Shuttle Program Manager-Chief Flight Director Briefing
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

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

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
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.
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
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.

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.

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.

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

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.
Client: Stephanie Lievense, Org. 1850
Master: DVCPro25
Audio 1: Mono mix    2: Mono mix
02/19/2003 - 0:40:00   Producer: Reggie

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.

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
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.
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
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
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
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
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: JPL 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
**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 Kennicutt 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

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**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.

Client: Cynthie Cuno, Org. 1840
Master: DVCPro25
Audio 1: Mono mix 2: Mono mix
04/17/2003 - 1:14:00 Producer: Hardine

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**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  NASA Update
VTV-983

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.
Mars Odyssey Science Briefing
Phil Christensen, Principal Investigator for the THEMIS instrument aboard the Mars Odyssey spacecraft provided an update on the mission's most recent findings.

vK Lecture Series-Challenges in Mobility & Robotics for InSitu Science
--- 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.
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  
Producer: Hardine

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  
Producer: Semerano

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  
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  
Producer: Passaniti

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
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)
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".
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
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

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

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

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  
**Audio 2:** Mono mix  
**Producer:** Savona  
**Date:** 06/25/2003 - 0:10:05

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  
**Audio 2:** Mono mix  
**Producer:** Scott Hulme  
**Date:** 05/30/1903 - 0:02:53

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  
**Audio 2:** Mono mix  
**Producer:** Semerano  
**Date:** 06/25/2003 - 0:02:48


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  
**Audio 2:** Mono mix  
**Producer:** Passaniti  
**Date:** 06/25/2003 - 0:20:53


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.
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.

Mars Exploration Rover (MER-B) "Opportunity" Launch Coverage

Starts out at spin out of the third stage and goes on to acquisition.

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 --

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
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

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
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:
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
08/02/2003 - 0:01:33   Producer: Semerano

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 - 0:00:58   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."
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
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  The Mars Exploration Rovers - Robotic Geologists
VTV-992
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

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
***************************************************************************
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

Audience: News
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
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
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
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.

**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.

**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.

**AVC-2003-185-1/1  Galileo End of Mission Briefing**
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

**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.
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:
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

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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

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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

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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
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 an option", the motto that carried him through the Apollo 13 crisis, is also the title of his best selling book, published in 2001.

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.

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.

NASA Space Science Update - Voyager 1 - Edge of the Solar System
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.

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**
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


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.

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.

**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.  
   
**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.

**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

**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.


**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**


**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. Whitecomb-Section head for Special Projects, Earth Sciences Division, National Foundation, Arlington, VA

Audience: News
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
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
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
Client: Michelle Viotti
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

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

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.
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

Challenges of Getting to Mars - Navigation
Overview of the navigation of the Mars Exploration Rovers Spirit and Opportunity. Two versions (with and without music).
Client: Michelle Viotti
Master: DVCProHD   Submaster: DVCProHD
AVC-2003-243-1/1  
**Challenges of Getting to Mars - Impact to Egress**  
Client: Michelle Viotti  
Master: DVCPro50  
Submaster: DVCPro50  
Audio 1: Mono mix  2: Mono mix  
12/15/2003 - 0:02:31  Producer: Scott Hulme

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).  
Client: Michelle Viotti  
Master: DVCPro50  
Submaster: DVCPro50  
Audio 1: Mono mix  2: Mono mix  
12/22/2003 - 0:04:36  Producer: John Beck

AVC-2003-246-1/1  
**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  
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.  
Client: Cassini/Huygens  
Master: DVD  
Audio 1: Mono mix  2: Mono mix
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

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

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
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

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

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
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

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

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
**MER "Spirit" News Briefing, 9:00am, 1/04/04**


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  
Client: Media Relations, Org. 1810

**MER "Spirit" Commentary, 11:45am-12:15pm, 1/04/04**

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  
Client: Media Relations, Org. 1810

**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  
Client: Media Relations, Org. 1810

**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  
Client: Media Relations, Org. 1810
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  
Client: Media Relations, Org. 1810  
Master: DVCPro25  
Audio 1: Mono mix  2: Mono mix  
01/04/2004 - 1:00:00  Producer: Savona

AVC-2004-017-1/1  **Spirit HD Landing Compilation**  
Edited HDTV compilation of MER Spirit landing  
Audience: Gen. Resource  
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  
Client: Media Relations, Org. 1810  
Master: 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:  
Panelists:  
Matt Wallace-Mission Manager/JPL  
Dr. Steven Squyres-Principal Investigator  
Art Thompson-Tactical Uplink Lead/JPL  
Audience: News Resource  
Client: Media Relations, Org. 1810  
Master: DVCPro25  
Audio 1: Mono mix  2: Mono mix  
01/04/2004 - 0:56:29  Producer: Savona
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 Colisson-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

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

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
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.
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
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
Client: Media Relations, Org. 1810
Master: DVCPro25  Submaster: DVCPro25
Audio 1: Mono mix  2: Mono mix
01/10/2004 - 1:11:00  Producer: Savona
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

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

MER "Spirit" News Briefing, 9:00am, 1/13/04
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
MER "Spirit" News Briefing, 9:00am, 1/14/04
Intro: Natalie Goodwin, Media Relations Rep.
Panelists: Jennifer Troper-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

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

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

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.
MER "Spirit" Egress Commentary, 12:30am, 1/15/04
Interview: Rob Manning-Mars Exploration Rover Project Entry, Descent and Landing Lead/JPL

MER "Spirit" News Briefing, 2:45am, 1/15/04
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

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.

MER "Spirit" News Briefing, 10:00am, 1/16/04
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.
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 upcoming sols.
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.
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.
Client: Gay Yee Hill, Org. 1810
Master: DVCProHD
MER Egress Turn and Roll Compilation
MER Egress Turn and Roll testing (three tests) for Spirit's upcoming roll off.
Client: Michelle Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:02:00 Producer: Passaniti

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.
Client: Michelle Viotti, Org. 1861
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
01/14/2004 - 0:11:05 Producer: Passaniti

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

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

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

MER "Spirit" News Briefing, 9:30am, 1/20/04
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**
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

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.
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**
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
MER "Spirit" News Briefing, 10:00am, 1/23/04
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.

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

MER "Opportunity" Landing Update, 12:00 noon, 1/24/04
Panelists:
Pete Theisinger - Project Manager/JPL
Jim Erickson - Opportunity Mission Manager/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 Headquarters
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
AVC-2004-068-1/1  MER "Opportunity" Post Landing News Briefing, 10:30pm, 1/24/04
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
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
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
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

MER "Opportunity" News Briefing, 9:00am, 1/26/04
Panelists: Dr. Steve Squyres-Principal Investigator/Cornell University
Dr. Jim Bell-Panoramic Camera Team Lead/Cornell University
Jennifer Trosper-Mission Manager/JPL
Jim Erickson-Mission Manager/JPL
SET
Jackie Lyra-Activity Lead/JPL

"Opportunity" Landing Night Highlights
Excerpts from NASA TV coverage of the enter, descent and landing of the Mars Exploration Rover
"Opportunity." Mix of HD and SDTV.

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
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
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
Columbia Memorial Ceremony

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

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.

Audio 1: Mono mix  2: Mono mix
01/24/2004 - 0:07:03   Producer: Hulme

AVC-2004-080-1/1

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-2004-082-1/1

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  
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  
Client: Media Relations, Org. 1810  
Master: DVCPro25   Submaster: DVCPro25  
Audio 1: Mono mix    2: Mono mix
02/02/2004 - 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  
Client: Michelle Viotti  
Master: DVCProHD
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

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
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**
Panelists: Jennifer Trosper-Spirit Mission Manager/JPL
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.

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

Overview Compilation of Spirit & Opportunity to Date
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

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

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.

Audience: Resource  Site: JPL
Client: Michelle Viotti
Master: DVCProHD
Audio 1: VOCA net  2: Camera mic
02/05/2004 - 0:13:45  Producer: Hulme

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

Client: Media Relations
Master: DVCPro25  Submaster: DVCPro25
Audio 1: Mono mix  2: Mono mix
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.

PlanetQuest - The Search for Another Earth
Dr. Geoff Marcy is featured in a production highlighting the continuing discovery of planets around other stars.

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.

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.

Mars Exploration Rover Project News Briefing
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.
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
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.
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 von Kármán Lecture Series- Artificial Life: Life NOT As We Know It
VTV-1006
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
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

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.

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

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

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**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

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**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
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.

von Kármán Lec.: Return to Sender: The Stardust Sample Return Mission

Presented by: Tom Duxbury, Stardust Project Manager

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.

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.
Client: R. Jackson
Master: DVCPro25
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

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

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 Ehmann-Science Team Collaborator/Washington University, St. Louis
Dr. Goestar Klingelhofer-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.
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.
NASA's Mars Exploration Rover Project News Briefing, 10am
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

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.

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.
AVC-2004-155-1/1

NASA's Mars Exploration Rover Project News Briefing, 10am
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
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
Client: Media Relations
Master: DVCPro25
Audio 1: Mono mix  2: Mono mix
04/14/2004 - 0:38:00   Producer: Savona

Deep Impact Animation
** 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

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.
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

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
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
Client: Firouz Naderi
Master: DVCProHD
Audio 1: Mono mix  2: Mono mix
04/19/2004 - 0:07:33  Producer: Beck

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
04/23/2004 - 0:06:33  Producer: Hulme

AVC-2004-174-1/1

**NASA Mars Exploration Rover Project News Briefing 4-28-04**
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
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.
Client: DSN/Shirley Wolff
Master: DVCPro50  Submaster: DVCPro50
Audio 1: Mono mix  2: Mono mix
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

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

von Kármán Lecture: "Step by Step, Robotically at the Red Planet"
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

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
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.

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?"

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

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

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 von Kármán Lecture: "Finding Planets and Searching for Life"**

VTV-1038

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**
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
Audience: News Resource
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

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.

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.

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);
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**
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
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)
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.
Client: Media Relations, Org. 1810
Master: DVCPro25 Submaster: DVCPro25
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
Cassini Post Orbit Insertion Press Conference (10:00pm)
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
Client: Media Relations, Org. 1810
Master: DVCPro25  Submaster: DVCPro25
Audio 1: Mono mix  2: Mono mix
06/30/2004 - 0:30:00  Producer: Savona

Cassini Coverage of Images Download Commentary
Audience: News Resource
Client: Media Relations, Org. 1810
Master: DVCPro25  Submaster: DVCPro25
Audio 1: Mono mix  2: Mono mix
07/01/2004 - 1:40:00  Producer: Savona

Cassini Coverage of Images Download Commentary
Audience: News Resource
Client: Media Relations, Org. 1810
Master: DVCPro25  Submaster: DVCPro25
Audio 1: Mono mix  2: Mono mix
07/01/2004 - 0:05:00  Producer: Savona

Cassini First Pictures Commentary (8:00am)
Jeff Cuzzi, Ames Research Center, Sunlight Side (18 images)
7:52-8:20am
Audience: News Resource
Client: Media Relations, Org. 1810
Master: DVCPro25  Submaster: DVCPro25
Audio 1: Mono mix  2: Mono mix
07/01/2004 - 0:30:00  Producer: Savona

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.;
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.

Cassini Titan Flyby Results Press Briefing (10:00am)
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.

Client: Media Relations, Org. 1810
Master: DVCPro25    Submaster: DVCPro25
Audio 1: Mono mix    2: Mono mix
07/02/2004 - 0:57:45   Producer: Hardine
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.

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.

von Kármán Lecture Series: The Rings of Saturn
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
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
Audience: Gen. Resource                   Site: JPL
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**  
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
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

von Kármán Lecture: The Orbiting Carbon Observatory
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

"The Role of Competition" - NASA's Transformation Dialogue
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

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.

**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.

**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.

**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.

**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
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
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
Client: DC Agle/MRO, Org. 1810
Master: DVCPRO25 Submaster: DVCPRO25
Audio 1: Mono mix 2: Mono mix

852
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.

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.

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.

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.
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 - 0:52:51    Producer: Hardine

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 - 1:27:10    Producer: Hardine

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
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

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

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

"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
Big Yam-Shaped Asteroid to Zoom Safely Past Earth Wednesday - Vid

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

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

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

Principal Dismissing students to go back to their classrooms.
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 - 0:00:45   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  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


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
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

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

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
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 heat 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
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

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

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
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/Interdisciplinary 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/Interdisciplinary Scientist from
Tucson Arizona and Torrance Johnson/JPL Imaging Scientist

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.

Cassini Press Briefing, 10/27/04 (9:00 a.m. PDT)

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.

Cassini Press Briefing, 10/28/04 (9:00 a.m. PDT)

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,
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.

**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.

**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.

**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**
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

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..."**
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.
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
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).

"The Emergence of Life (and its Waste Products) at a Submarine Hydrothermal Vent"

"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.

"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.

Several webcasts and seminars are also mentioned, including discussions on Mars rovers, life detection, and the Mars Compilations DVD.
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.
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.
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-2004-370-1/1  **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.
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

AVC-2004-372-1/1  **Twelve Wheels on Mars: The 2004 Mars Exploration Rover Mission**
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.

AVC-2004-373-1/1  **AGU Cassini Press Conference**
Participants: Linda Spilker, Kevin Baines, Carolyn Porco, and Jean-Pierre Lebreton
**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  
**Audio 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.  
**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  
**Audio 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: Webster
Master: DVCPro50
Audio 1: Mono mix  2: Mono mix
12/29/2004 - 0:10:45   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.
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.

Inspired: Kids Build Rovers - Web Production
Students at Washington Middle School in Altadena, California create their own versions of planetary rovers.

Mars Exploration Rovers 1 Year Anniversary News Briefing
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.

"One Year Later: Mars Stories We've Never Told"
Panelists: Dr. Firouz Naderi, JPL Mars Exploration
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.

NASA's Next Mars Mission Readies for August Launch - Video File
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.

Spirit of Exploration
The story of JPL's missions for the 12 months leading up to June 2004 is told by animations, documentary footage and interviews.
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
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
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  
Audio 2: Mono mix  
01/14/2005 - 0:45:00  
Producer: Hanchett

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  
Audio 2: Mono mix  
01/14/2005 - 0:27:43  
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 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  
Audio 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  
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  
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  
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**


Audience: Gen. News Resource  
Client: Veronica McGregor, Org. 1870
AVC-2005-032-2/2  **ESA's First Science Briefing, 2:00-3:15am PST**  
Audience: Gen. News Resource  
Site: Germany  
Client: Veronica McGregor, Org. 1870  
Audio 1: Mono mix  2: Mono mix  
01/15/2005 - 01:06:00  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 - 00:01:47  Producer: Kline

AVC-2005-034-1/1  **Mars Compilation**  
Audience: Resource  
Client: AVSO  
Master: DVD  
Audio 1: Mono mix  2: Mono mix  
01/19/2005 - 00:50:00  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
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

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

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
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
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**
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"**
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

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
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

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

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

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.
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.

Earth & Space Science Colloquium
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.

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
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.


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.
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
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)

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
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

Movie Clips Show Whirlwinds Carrying Dust on Mars - Video File

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

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

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.

**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.

**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.

**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.

**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  
**Audio 2:** Mono mix  
**Note:** missing first 3 minutes

05/12/2005 - 1:26:00  
**Producer:** NASA HQ (Bridges)

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**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  
**Audio 2:** Stereo  
**AVC-2003-069**  
05/11/2005 - 0:04:15  
**Producer:** Kline

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**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  
**Audio 2:** Mono mix  
05/16/2005 - 0:07:55  
**Producer:** Ford

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**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  
**Audio 2:** Mono mix  
05/17/2005 - 0:06:53  
**Producer:** Ford

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**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
**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

**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

**NASA S/C Measures Unusual 2005 Arctic Ozone Conditions - VidFile**
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


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
scientists 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
"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.

Client: Andrea Angrum
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix

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;
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!

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.

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.
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

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

Deep Impact Pre-Impact Mission Engineering Briefing, 7/1/05, 10AM
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

Deep Impact Pre-Impact Briefing, 7/3/05, 11AM
Panelists: Andy Dantzler-Director, Solar System Division, NASA HQ.;
Rick Grammier-Deep Impact Manager, JPL;
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
Client: Media Relations, Org. 1810
Master: DVCPro25  Closed Caption
Audio 1: Mono mix  2: Mono mix
07/03/2005 - 3:01:09   Producer: Savona

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
Deep Impact Post-Impact Briefing, 7/4/05, 1AM
Audience: News Resource
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix  2: Mono mix
07/04/2005 - 0:04:36 Producer: Kline

Deep Impact Briefing, 7/4/05, 11AM
Audience: News Resource
Client: Media Relations
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix  2: Mono mix
07/04/2005 - 0:53:21

NASA's Deep Impact Generates Spectacular Photo Flash - Video File
Audience: News Resource
Client: Agle
Master: DVCPro50
Audio 1: Mono mix  2: Mono mix
07/04/2005 - 0:04:02 Producer: Kline

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
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

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

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

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
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

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

Mars Reconnaissance Orbiter (MRO) Mission Briefing
Moderated by George Diller. Panelists: Doug McCuistion Chuck Dovale Mike Jensen Jim Graf Clay Flinn
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 - 0:38:00  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 McNeill - 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

**Spin-Off**  
**Technology of Tomorrow Today: An Overview of Space Technology**  
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

**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

**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
Summit Climb on Mars Yields New Views from NASA's Durable Spirit

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

Mars Exploration Rover (MER) "Spirit" News Briefing
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)

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

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  
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  
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
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
Client: Veronica McGregor, Org. 1870
Master: DVCPro25
Audio 1: Mono mix  2: Mono mix
09/19/2005 - 0:10:00  Producer: NASA HQ (Hanchett)

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

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
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

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

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

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
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

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.

Client: Public Service Off.
Master: DVCPro25    Submaster: DVD
Audio 1: Mono mix  2: Mono mix
10/13/2005 - 1:02:00   Producer: Hanchett

Cassini Views Dione, a Frigid Ice World - Video File

Audience: News Resource
Client: Martinez
Master: DVCPro50
Audio 1: MOS       2: MOS
10/17/2005 - 0:03:51   Producer: Kline

Saturn's Dione: A Frigid Ice World - Web Video

Audience: Gen.
Client: Martinez
Master: DVCPro50
Audio 1: Mono mix  2: Mono mix
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

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

AVC-2005-228-1/1  **Venus Express Launch**
Launch of ESA spacecraft from Balkonur Cosmodrome in Kazakhstan.
Includes interviews by Martin Ransom of Paolo Ferri, François 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

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.
Client: G. Y. Hill
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.
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/17/2005 - 1:06:30 Producer: Hardine

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

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

Cassini's Photo Album from a Season of Icy Moons - Video File
New views of Saturn's moons: Enceladus, Dione, Rhea, 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


Audience: News Resource
Client: Agle
Master: DVCPRO50
Audio 1: Mono mix 2: Mono mix
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  
Audio 1: 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  
12/27/2005 - 0:06:46  
Producer: Kline

AVC-2005-244-1/1  **Durable Mars Rovers Advance Vision for Space Exploration - Video File**  
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
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.

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.

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.

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
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
Client: Media Relations
Master: DVCPro25    Submaster: DVD
Audio 1: Mono mix    2: Mono mix

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.

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


Audience: News Resource
Client: Webster
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
New Horizons Launch from KSC
NASA's New Horizons spacecraft launches on mission to visit Pluto, its moon Charon and the Kuiper Belt. Lift off 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.

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.

NASA Science Year in Review - 2005 (16x9 version)
Camera moves on stills representing NASA's major scientific achievements in calendar year 2005, set to music.

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.
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 Youse 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.  
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 environment 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
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.
AVC-2006-040-1/1 NASA Mission Detects Significant Antarctic Ice Mass Loss - Video File
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.
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
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.
Mars Reconnaissance Orbiter Orbit Insertion Commentary, 12:30 PST

Moderator: Gay Yee Hill, Media Relations
Interviews: Tracy Drain-MRO Systems Engineer
Richard Zurek-Project Scientist
Jim Graf-Project Manager
Fuk Li-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 - 1:56:24   Producer: Hardine

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
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 - 0:34:30   Producer: Hardine

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.


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 Visión de Exploración**

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  
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  
Client: DC Agle, Org. 1810  
Master: DVCPro25  
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**

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**

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  
Client: NASA TV/Hill/Clavin  
Master: DVCPro50  
03/12/2006 - 0:09:00  Producer: Kline
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
Client: Blaine Baggett, Org. 1800
Master: DVCPro25 Submaster: DVCPro25
Audio 1: Mono mix 2: Mono mix
03/16/2006 - 1:33:00 Producer: Hardine

NASA's New Mars Orbiter Returns Test Images - Video File MRO
Audience: News Resource
Client: Webster
Master: DVCPro50 Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
03/24/2006 - 0:08:42 Producer: Kline

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

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
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.

Test Images Confirm Performance of New Camera at Mars - MRO

Camera is acronymed: HiRISE.

Flight Into Mariner Valley-Valles Marineris, Mars


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.

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

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

VideoFile

Client: Webster
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
04/06/2006 - 0:11:10 Producer: Kline

AVC-2006-069-1/1

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

Client: Hill
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

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.
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

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

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.

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.

CloudSat Super Spotlight Web Video
Project members Tom Livermore and Deborah Vane briefly describe the CloudSat mission to study clouds in 3D.

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 Telescope 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.


Audience: Gen. Resource
NASA and Partners Release New Titan Movies - Cassini Huygens

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.

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.

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.

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.

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

**AVC-2006-096-1/1**  
**von Kármán Lecture: "Planetary Robotics: To Mars and Beyond"**  

**AVC-2006-103-1/1**  
**Andromeda Adrift in Sea of Dust in New NASA Image (Spitzer)-VF**  

**AVC-2006-108-1/1**  
**NASA's Cassini Spacecraft Captures Saturnian Moon Ballet - video file**  
AVC-2006-109-1/1 **Viking - Mars Trailblazer - 30th Anniversary Super Spotlight - web vid**
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

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.

**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

**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.

**AVC-2006-115-1/1**

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
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

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

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

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 Prgms., 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.
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
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

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.

Client: PSO
Master: DVCPro25    Submaster: DVD
Audio 1: Mono mix    2: Mono mix
08/17/2006 - 1:22:00   Producer: Hardine

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 Kármán 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
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

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)

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
Scenes: Loading Private in launcher;
Title:
-----
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, GARCIT
CALIFORNIA INSTITUTE OF TECHNOLOGY
Pasadena, California
-----
Pans of encampment with tents; men working on missile; 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 spotting charge in the nose of round No. 1 was "killed" by Dr. Detsasso from twenty yards (prone position behind a bocdoll).  
-----
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. Missile 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 radio sonde equipment were 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
cement 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 approximately 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 Spectrometer (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
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

NASA's Mars Reconnaissance Orbiter Reaches Planned Flight Path-VF

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

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.
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: DVCP50
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: DVCP50
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:  
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
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
16mm color film transfer made 7/24/06 by FotoKem.
04/08/1977 - 0:15:09 Producer: JPL Photo Lab

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

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

VIDEO FILE: NASA's New Mars Camera Gives Dramatic View of Planet

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
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 - Video File

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
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.
Client: PSO
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
10/12/2006 - 1:08:22 Producer: Hardine

Mars Reconnaissance Orbiter Early Images Briefing
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

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

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.

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-
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;
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)

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
NASA's Mars Orbiter Photographs Rovers and Viking Landers- Video

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.

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.

Mars Global Surveyor Science Update

They announced newly found water channels and recent meteor craters.

NASA's GALEX Spacecraft Sees Black Hole Munch on a Star - Video

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
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 atmospheric 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.
Client: Hussey
Master: DVCProLP  Submaster: DVCPro50
Audio 1: Mono mix  2: Mono mix
12/21/2006 - 0:04:58   Producer: New Wave Entertainment

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 -VF  NASA's Mars Team Teaches Old Rovers New Tricks to Kick Off Year 4

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

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 Entertainment

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.
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.

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.

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.

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

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
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

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.

Client: Education Outreach
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/22/2007 - 1:27:58 Producer: J. Doherty

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 Youse, Robotic Hardware Grp & Paolo Belluta, MER Planner. Following is the Awards Ceremony.

Client: Education Outreach
Master: DVCPro25 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/22/2007 - 1:05:47 Producer: J. Doherty

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 asteroid belt and among the last unexplored worlds in
the inner solar system. Remnants from the time planets formed, Ceres and Vesta hold clues that will help scientists understand the dawn of the solar system.

**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.

**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.

**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.

**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

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 Tatooine; One still photo of the double sunset on Tatooine) 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
Included Lucasfilm Ltd. copyrighted material
03/29/2007 - 0:06:14 Producer: Hill/Savana

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

"Dr. Rosaly Lopes Speaks to Brazil"
Dr. Rosaly Lopes speaks to students and teachers of Bezerros, Brazil.
(Spoken in Portuguese)

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

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

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.

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
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.

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.

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.
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.

**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)

**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 Reconnaissance Orbiter, and Mars Exploration Rover driver Scott Maxwell, who as children were inspired by Voyager to work in the space program.

**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
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

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.
- Flyover over gullied crater
- Detailed view of Martian valley
- Layered deposits at Martian North Pole
- Spacecraft animation
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

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

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
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


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
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

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

Dr. Robert Pappalardo, JPL Sr. Research Scientist 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.
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

NASA Views Landing Site Through Eyes of Future Moon Crew - VideoFile


Audience: JPL NASA News
Client: Agle
Master: DVCPro50
Audio 1: Mono mix 2: Mono mix
02/25/2008 - 0:09:00 Producer: Kline

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

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 trajectory. Interview with 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
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.

Phoenix L-3 Press Briefing
Press briefing three days before landing of Phoenix on the north pole of Mars.

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.

Sun to Set on Ulysses Solar Mission July 1 - Video File

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
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

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

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

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 Meteorological 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
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

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

"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**
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-I 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 Meteorological Station, Barry Goldstein, Phoenix project manager, and Michael Hecht, lead scientist, MECA. Dwayne Brown, PAO at HQ moderated.

**Audio:** 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 internships 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**


Interview excerpts: Kevin Baines, Cassini Scientist, JPL.

**Audience:**
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

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

Astronomy series for the general public. A guide to naked-eye and small-telescope viewing featuring topics relevant to the month each episode airs.
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

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.
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.

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.

NASA's Phoenix Mission Faces Survival Challenges - Video File

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.

**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.

**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.

**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.

**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

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 years orbiting the Red Planet. Intro by Jim Erickson, MRO Project Manager, with presentations from Richard Zurek, MRO, Project Scientist, Susan Smrekar, Deputy Project Scientist, Roger Philips, U.S. Deputy Team Leader, SHARAD Radar, Ralph Miliken, CRISM Imaging Spectrometer, and Candice Hansen, Deputy Principal Investigator, HiRISE Camera.
Client: Jim Erickson
Master: DVCPro25  Submaster: DVD
Audio 1: Mono mix  2: Mono mix
NASA Orbiter Finds Martian Rock Record w/10 Beats to the Bar" - VFile


Audience: JPL NASA News

Producer: Kennedy

Mars Science Laboratory (MSL) Launch Delay Press Briefing


Audience: Gen. Site: TVRO

Producer: Kline

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

Producer: NASA HQ

von Kármán Lecture Series-"The Mystery of Dark matter"

Presented by Dr. Michael Seiffert, JPL Research Scientist.

Audience: Gen. Edu. JPL Site: vK Aud

Producer: Harris/Savona

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
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
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  
Audio 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: DVCPro5  
Audio 1: Mono mix  
Audio 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: DVCPro5  
Audio 1: Mono mix  
Audio 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  
Audio 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 Anniversary**
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.
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.

**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.

**AVC-2009-024-1/1  JPL Tweetup (web video)**

JPL's first ever Tweetup. A face-to-face meeting of Twitter users and JPLers.

**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.

**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.
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

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.

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.

Kepler L-1 Mission Briefing

Panelists Include-
Lt. Greg Strong, Pattie Boyd, Omar Bias, Vernon Thorp, Dr. James Fancen, John Trelsh & John Morse.

Kepler L-1 Mission Briefing

Panelists Include-
Lt. Greg Strong, Pattie Boyd, Omar Bias, Vernon Thorp, Dr. James Fancen, John Trelsh & John Morse.
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 - 0:41:42  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 various types of propulsion systems available 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"**
Presented 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 nebulae 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 installation, stills of construction,
animation of light path.

**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.

**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 that are similar to Earth.

**Looking at Landing Sites for the Mars Science Laboratory - Web Video**

Mars Reconnaissance Orbiter (MRO) Project Scientist 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.

**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").

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**

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

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
AVC-2009-119-1/1  Cruising over California & Cruising over L.A. - ASTER web video

Audience: JPL NASA
Client: Buis/Hill
Master: DVCProLP   Submaster: DVCPro25
Audio 1: Mono mix   2: Mono mix

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
Client: Petrovich
Master: DVCPro25   Submaster: DVCProLP
Audio 1: Mono mix   2: Mono mix

AVC-2009-127-1/1  Through the Eyes of Scientists: An Exploration of Our Solar System
Features profiles of scientists: Trailer Version(3:39)

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

AVC-2009-127-2/2  Through the Eyes of Scientists: An Exploration of Our Solar System
Produced for Solar System's Outreach for elementary schools.
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.

New NASA Images Indicate Object Hits Jupiter - Video File


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.

NASA Goes inside a Volcano, Monitors Activity - Sensorweb Video File

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 participated 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

Video (sped-up) of ATHLETE dismounting from simulated 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
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

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

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

NASA Sees Ice on Mars Exposed by Meteor Impacts - MRO Video File

Audience: JPL NASA News
Client: Hill/Webster
Master: DVCProLP Submaster: DVCPro50
Audio 1: Mono mix 2: Mono mix
NASA Instruments Reveal Water Molecules on Lunar Surface - M3


Audience: NASA News
Client: Hill/Agle
Master: DVCProLP Submaster: DVCPRO50
Audio 1: Mono mix 2: Mono mix

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

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

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
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

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 installation, 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**
Audience: News
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

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

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

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
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.

von Kármán Lecture Series: "ASTER-Monitoring earth's Changing Land...

Presented by Dr. Michael Abrams, Science Team Leader, Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), JPL.

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.

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.
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
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: 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: 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  
Audio 1: 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 Explorer) demonstrates some of its abilities.  
Audience: JPL NASA  
Client:  
Master: DVCProLP  
Audio 1: 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  
Client: Media Relations  
Master: DVD  
Audio 1: 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  
Audio 1: 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.
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

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

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

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.
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
03/05/2010 - 0:01:17  Producer: Hill/Savona

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
12/11/2009 - 0:02:48  Producer: Doherty/Hill

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 - 1:03:00  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

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.

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).

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.

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.
**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  
04/15/2010 - 0:14:50  Producer: Savona

**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.

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.

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

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)
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
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.

**Site:** JPL  
**Client:** Mars Public Outreach  
**Master:** DVCProHD

**Audio 1:** Mono mix  
**Audio 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  
**Audio 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  
**Audio 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
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.
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.

**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.

**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.

**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.
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.

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.

DPS UStream "Saturn Smackdown" Pasadena Convention Center

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.
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; Arecibo 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
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 - 0:02:30   Producer: Kline

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

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

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
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"**
Steve Matousek, advanced concepts development manager at JPL, hosts the presentation in von Kármán Auditorium November 11, 2010.

COLD CASE: Possible Ice Volcano on Titan - Web Video
JPL volcanologist Rosaly Lopes describes how new radar data from the Cassini spacecraft and 3D visualization by USGS point to a possible cryovolcano on Saturn's moon Titan.

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

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.
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

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

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

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

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
AVC-2011-001-1/1  **Rover Will Spend 7th Birthday at Stadium-Size Crater - VF**

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)
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.  
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.  
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.  
Client: Seide;/Lutz, Org. 180  
Master: DVCProHD  Submaster: DVD  
Audio 1: Mono mix  2: Mono mix  
02/05/2011 - 0:52:55  Producer: Hollander
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: MediaRelations Mejia
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
DVD also available
02/09/2011 - 0:04:05 Producer: Savona

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

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.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/17/2011 - 1:00:00 Producer: Semerano
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.


Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
02/17/2011 - 0:10:30 Producer: Semerano

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

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

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
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.

Client: 
Master: DVCProHD   Submaster: DVD
Audio 1: Mono mix   2: Mono mix
03/17/2011 - 1:00:45   Producer: Hollander

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

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

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  
**Audio 2:** Mono mix  
**Date:** 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  
**Audio 2:** Mono mix  
**Date:** 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  
**Client:**  
**Master:** DVCProLP  
**Submaster:** DVCProLP  
**Audio 1:** Mono mix  
**Audio 2:** Mono mix  
**Date:** 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  
**Audio 2:** Mono mix  
**Date:** 04/12/2011 - 0:05:27  
**Producer:** Doherty/Tozzi
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"
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/14/2011 - 1:00:00 Producer: Semerano

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"
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/14/2011 - 0:21:35 Producer: Semerano

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

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
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

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...
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-2011-087-1/1 **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;
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**
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 Scientist. 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**  
improptu 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**  
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.  
Site: von Kármán Aud.  
Client: OCE  
Master: DVCProHD  Submaster: DVD  
Audio 1: Mono mix  2: Mono mix  
06/09/2011 - 0:50:30  Producer: Hollander
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.

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.

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.
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 VFS/NASA Probe Nears Position for Year-Long Stay at Giant Asteroid**
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.
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  
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
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

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

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.
Site: von Kármán Aud
Client:
Master: DVCPro50  Submaster: DVD
Audio 1: Mono mix  2: Mono mix
07/21/2011 - 1:02:25  Producer: Hollander

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
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.
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.
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 Canaveral Air Force Station, FL;
Various camera 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, transport bus, unpacking, cleanroom, blanketing, wing attachments, separation 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

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

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
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
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, Lockheed 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
09/01/2011 - 0:57:35 Producer: Savona/Mejia

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
09/06/2011 - 0:42:30 Producer: NASA KSC

Jim Taranik, Scientist, Visionary & Educator - Memorial Video
(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

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
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**

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
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.


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

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

NASA Mars Research Helps Find Buried Water on Earth - Video File
Refer to 2011-200 for the Web Video

 Audience: Resource

Client: Veronica McGregor
Master: DVCProHD
Audio 1: Mono mix  2: Mono mix
09/08/2011  - 1:04:00  Producer: NASA KSCTV

Client: Mark Razze
Master: DVCProLP  Submaster: DVD
Audio 1: Mono mix  2: Mono mix
09/15/2011  - 0:00:00  Producer: Semerano

Client: Razze
Master: DVCProHD
Audio 1: Mono mix  2: Mono mix
09/15/2011  - 1:02:00  Producer: Semerano

Client: Razze
Master: DVCProHD
Audio 1: Mono mix  2: Mono mix
09/15/2011  - 1:02:00  Producer: Semerano

Client: PSO
Master: DVCProHD
Audio 1: Mono mix  2: Mono mix
09/15/2011  - 0:39:00  Producer: Semerano

Client: NASA TV/Buis/Hill
Master: DVCProLP  Submaster: DVCProLP
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
09/14/2011 - 0:04:19   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 Moon's 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

**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; Separation; 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, Truck #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 tandem

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

**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 talking about Project Mercury 1960's
ECHO Satellite; Project Mercury astronauts 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, Chief 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

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;
about risks; Ed Kilgore, Aerospace Engineer talks about what
happen 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 Pegasus 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; Walter 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

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, on 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

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
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

The Journey Continues-International Space Station
Aboard the International Space Station
Chris Ferguson-ST5 135 Mission Commander; Sandra Magnus-ST5-135 Mission Specialist; Rex Walheim-ST5-135 Mission Specialist; Doug Hurley-ST5-135 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

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

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

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 accelerometer 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 Investigator.
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: Clavin  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 Lagrangian 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 Lagrangian Observer Thermal Recharging autonomous underwater vehicle in a talk entitled, "A Self-Powered Underwater Robot for Ocean Exploration and Beyond".

Audio: 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.

Audio: 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.

Audio: 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.

Audio: 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
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 with 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

"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

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

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
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

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

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

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:
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.

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.

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.

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.

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.

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.

NASA MSL Mars Science Lab Launch coverage (LAUNCH)

Coverage of the Mars Science Laboratory (MSL) launch from Kennedy Space Center on NASA-TV.
AVC-2011-265-1/1  **NASA MSL Post-Launach 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 - 1:02:00  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  

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
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<th>Date</th>
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<tr>
<td>08/04/2011</td>
<td>0:11:42</td>
<td>Harris/Hill</td>
<td><strong>Dark Hill on Asteroid Vesta</strong></td>
<td>DVD also in library.</td>
<td>Gen. JPL NASA News</td>
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<tr>
<td>12/05/2011</td>
<td>0:00:38</td>
<td>Harris/Vega</td>
<td><strong>Mars in a Minute: Is Mars Really Red?</strong></td>
<td>Mars is often known as the &quot;Red Planet,&quot; but is it really read? This 60-second animated video, the first in the &quot;Mars in a Minute&quot; series, answers one of the most frequently asked questions about Mars. Illustrated/animated/narrated by Scott Hulme.</td>
<td>Gen. Edu.</td>
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<tr>
<td>11/10/2011</td>
<td>0:01:00</td>
<td>Hulme</td>
<td><strong>Mars in a Minute: How Do You Get to Mars?</strong></td>
<td>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 &quot;Mars in a Minute&quot; series. Illustrated/animated/narrated by Scott Hulme.</td>
<td>Gen. Edu.</td>
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<tr>
<td>11/21/2011</td>
<td>0:01:00</td>
<td>Hulme</td>
<td><strong>Asteroid 2005 YU55 Movies Made Nov. 7, 2011 at Goldstone</strong></td>
<td>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.</td>
<td>JPL NASA News</td>
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<td>Silent</td>
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</table>
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

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

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

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.
Client: Marc Razze
Master: DVCProLP  Submaster: DVD
Audio 1: Mono mix   2: Mono mix
12/08/2011 - 0:48:00   Producer: Savona

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

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
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.

MRO Instrument Pointing Simulation & Mars Color Imager Camera
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 Simulation 4-13-06, 19 sec., this animation highlights the first use of the MARCI (Mars Color Imager) camera on Mars Reconnaissance Orbiter.

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

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
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
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

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 separate 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

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 separate 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

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

GRACE Mission Measures Global Ice Mass Changes - Web Video
Animation was produced by Goddard.
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
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.

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 physics of comet interiors and comet evolution; Jan Chodas, Project Manager for the JUNO Mission; Kendra Short, Division Manager for Mechanical Systems 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.

Women's History Month: Leaders in Space Exploration (12:00-12:11 noon)

JPL outreach to female students and graduates.
Parvin Kassie, Section Manager of Education tells the audience about job opportunities for paid internships,
fellowships and Research Post-Doc Programs 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.
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.
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:
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.
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
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.

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.

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.

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".
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 topography 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 equator 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; enhanced 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
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

Mars Science Laboratory Reporter Field Trip - video file
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

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-2012-090-1/1  **  
**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 Planning 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:  
Client: James Firak  
Master: DVD     Submaster: DVD
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

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

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

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
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

NASA Preparing to Launch Its Newest X-Ray Eyes - NuSTAR Video
Animations: NuSTAR deploying mast, galaxy with black hole at center, two galaxies merging, Pegasus launch. Video: NuSTAR testing, stock Pegasus 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

Asteroid Vesta's Coat of Many Colors - Dawn Web Video
Animation based on data from NASA's Dawn spacecraft 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

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

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 neighborhood - 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 would 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 brightness 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  
Audio 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  
Audio 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  
Audio 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  
Audio 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

AVC-2012-134-1/1  **Getting Curiosity To Mars**
JPL Open House Video - Getting Curiosity To Mars. Hosted by Ann Deveraux
Client: Mars Public Engagement
Master: DVCProLP  Submaster: DVCProLP
Audio 1: Stereo L  2: Stereo R

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

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

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 Exploration 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 Exploration 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
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 Scientist-JPL
Doug Ellison, Visualization Producer-JPL
Audience: Gen. Tech. JPL NASA News
Site: von Kármán Auditorium

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 Auditorium

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 Auditorium
Client: Veronica McGregor, Org. 1870
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 Theisinger-MSL 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. Administrator
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.
Congratulations: 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.
**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.

**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

**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.
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 Auditorium
Client: Veronica McGregor, Org. 1870
Master: DVCPROLP Submaster: DVCPROLP
Audio 1: Mono mix 2: Mono mix
08/07/2012 - 0:55:05 Producer: Doherty

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

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 Auditorium
Client: Veronica McGregor, Org. 1870
Master: DVCPROLP Submaster: DVCPROLP
Audio 1: Mono mix 2: Mono mix
08/08/2012 - 1:00:00 Producer: Doherty
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: Veronica 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
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.

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

President Obama Calls Curiosity Team - Web Video

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
Curiosity on Mars: Instrument Check-Out (Web Video)
Flight Director Bobak Ferdowssi 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

Zooming in on the Scene of Curiosity's Landing - Web Video
A zoom from a graphic representation of the globe of Mars transitions 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
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  
*Audio 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  
*Audio 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  
*Audio 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  
*Audio 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

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

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
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, Astronaut and Educator
Client: NASA TV/Webster
Master: DVCProLP  Submaster: DVCProLP
Audio 1: Mono mix  2: Mono mix
Available on Blu-ray Disc.

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
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.

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.

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.
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

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

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

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

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
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**


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
"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 assemblies 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

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

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
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

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

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.
Client: Office of Comm & Edu
Master: DVD  Submaster: DVD
Audio 1: Mono mix  2: Mono mix
10/11/2012 - 1:16:28  Producer: Semerano

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

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.

Prepared for: 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.

Prepared for: 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.

Prepared for: 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.

Prepared for: 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

Prepared for: Tech. JPL NASA
Client: JPL
Master: DVCProLP
Audio 1: Mono mix 2: Mono mix
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

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

DVD and BluRay

Audience:  
Client: Media Relations  
Master: DVCProLP  
Audio 1: Mono mix  2: Mono mix
11/09/2012 - 0:02:20  Producer: Doherty

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
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: NASA TV/Cook
Client: NASA TV/Cook
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
11/28/2012 - 0:01:57 Producer: Savona

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

GRAIL Twins Create Most Accurate Gravity Map of Moon - VF

Twin NASA washing machine-sized 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

Client: NASA TV/Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
12/05/2012 - 0:08:00 Producer: Savona/Hill

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
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.

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.

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.
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

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

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

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

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
MSL team members listen to a voice message from NASA Administrator Charles Bolden which had been sent to Mars and back.

**Interplanetary Voicemail - Web Video**

Client: Media Relations  
Master: DVCProLP  
Audio 1: Mono mix  2: Mono mix  
08/27/2012 - 0:01:32  Producer: Doherty

Video clip showing the first Martian material collected and vibrated by the scoop on Curiosity's robotic arm.

**Curiosity's First Scoopful of Mars - Web Video**

Client: Media Relations  
Master: DVCProLP  
Audio 1: Mono mix  2: Mono mix  
10/07/2012 - 0:00:57  Producer: Doherty

Mobility Downlink Lead Justin Lin describes Curiosity's first use of the Dirt Removal Tool.

**Curiosity on Mars: Rover Gives Mars the Brush-Off**

Client: Media Relations  
Master: DVCProLP  
Audio 1: Mono mix  2: Mono mix  
01/10/2013 - 0:01:34  Producer: Doherty

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.

**Parting Moon Shots from NASA's GRAIL Mission - Web Video**

Client: Agle  
Master: DVCProLP  
Audio 1: Silent  2: Silent
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

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

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.
Client: Marc Razze
Master: DVCProLP Submaster: DVD
Audio 1: Mono mix 2: Mono mix
01/17/2013 - 1:03:00 Producer: Semerano
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.

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

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.
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.
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
OSIRIS-REx Mission Animation~

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.

Images of Asteroid 2012 DA14's Flyby of Earth on Feb. 15, 2013~

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 chams and transfer to rover's scoop for inspection.

Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/15/2013 - 0:01:11

Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/15/2013 - 0:00:26

Audience: JPL NASA News
Client: Agle
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/15/2013 - 0:07:30 Producer: Kline

Audience: JPL NASA News
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.
Client: Webster
Master: DVCProLP
Audio 1: Silent 2: Silent
02/20/2013 - 0:01:46  Producer: Kline

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.
Client: Webster
Master: DVCProHD
Audio 1: Mono mix 2: Mono mix
02/21/2013 - 0:01:38  Producer: Epstein

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
Client: NASA TV/Clavin
Master: DVCProLP Submaster: DVCProLP
Audio 1: Silent 2: Silent
02/26/2013 - 0:02:53  Producer: Hill/Savona

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 Antarctic 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.
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.
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
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 photons 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

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
Client: NASA TV/Clavin
Master: DVCProLP  Submaster: DVD
Audio 1: Mono mix  2: Mono mix
03/21/2013 - 0:06:13  Producer: Hill/Savona

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

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 Athlete rover undergoing testing.
Client: Marc Razze
Master: DVCPro50  Submaster: DVD
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 Athlete rover undergoing testing.
Client: Marc Razze
Master: DVCPro50 Submaster: DVD
Audio 1: Mono mix 2: Mono mix
04/11/2013 - 0:21:30 Producer: Semerano

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

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

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.
The Martians: Testing Curiosity's Parachute, Pt. 3~

The Martians: Testing Curiosity's Parachute, Pt. 4~

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.
The Martians: Opening Dreams~
Client: Michelle Viotti, Org. 1861
Master: DVCProLP Submaster: DVCProLP
Audio 1: Mono mix 2: Mono mix
02/19/2010 - 0:04:46 Producer: Beck

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

The Martians: "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

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 Uplink 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.


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.


NuSTAR Helps Solve Riddle of Black Hole Spin Video File

Russia: On the First Anniversary of the Launch of the Advanced Multi-function Microwave Imaging Mission, the First Preliminary Images from the Satellite were Produced.
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.

JPL-20130301-mWhatsU-0001 \textbf{Whats Up March 2013}
\begin{itemize}
  \item Monthly series for amateur astronomers.
  \item March features: comet Pan-STARRS, comet ISON, Rosetta approaching comet 67P / Churyumov-Gerasimenko. View Saturn and Jupiter.
\end{itemize}

JPL-20130311-mScPict-0001 \textbf{How Does a Spacecraft Take a Picture?}
\begin{itemize}
  \item 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.
\end{itemize}

JPL-20130326-sGRACE-0001 \textbf{NASA's GRACE Satellites See Groundwater Losses}
\begin{itemize}
  \item 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.
\end{itemize}

JPL-20130401-mWhatsU-0001 \textbf{Whats Up April 2013}
\begin{itemize}
  \item Monthly series for amateur astronomers.
  \item 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.
\end{itemize}
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:** DVCProH  
**Submaster:** DVCProHD  
**Audio1:** SILENT  
**Audio2:** SILENT  
**Res:** 720p59.94  
**Type:** Edited

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*  

**Master:** File  
**Submaster:** DVCProHDL  
**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:** DVCProH  
**Submaster:** File  
**Audio1:** SILENT  
**Audio2:** SILENT  
**Res:** 720p60  
**Type:** Edited

JPL-20130529-mRadar-0001  
**Revealing Asteroids with Radar: 1998**
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.

Marina Brozovic, Radar Scientist-JPL and Lance Benner, Research 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.
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 Illott and more. (Also features brief informal interviews with Manning and Illott).

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: DVCProH  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.

Greg Lyzenga of JPL's Solid Earth Group closes his presentation with a Questions and Answer session.

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.

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.

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 Abigail 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.

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.

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.

SMAP Spacecraft Deployment from 2nd Stage CGI

Date: 7/10/13  Duration: 00:00:11:20*

SMAP spacecraft deployment from booster stage.

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.

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.

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.

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.

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.

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.

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.

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

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!

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
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.

Question and Answer session continued.

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.

Curiosity Rover Report-Curiosity on Mars "Curiosity
**Hits Paydirt**

Joel Hurowitz-MSL Surface Sampling System Scientist talks about the "John Klein" drill site area.

**Date:** 3/15/13  **Duration:** 0.001724537

**User:** Joel Hurowitz  **Master:** DVCProH  **Submaster:** File  **Audio1:** Mono mix  **Audio2:** Mono mix  **Res:** 720p59.94  **Type:** Edited

**SMAP: Soil Moisture Active Passive-SAF 3-min version**

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.

**Date:** 10/21/13  **Duration:** 00:03:12;02*

**User:** Joel Hurowitz  **Master:** DVCProH  **Submaster:** DVCProHD  **Audio1:** Effects  **Audio2:** Effects  **Res:** 720p59.94  **Type:** Edited

**SMAP: Soil Moisture Active Passive-Full-length version**

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.

**Date:** 7/30/13  **Duration:** 00:06:00;12*

**User:** Joel Hurowitz  **Master:** DVCProH  **Submaster:** DVCProHD  **Audio1:** Mono  **Audio2:** Mono  **Res:** 720p59.94  **Type:** Animation;Edited

**Twelve Months in Two Minutes: Curiosity's First Year on Mars**

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.

**Date:** 8/1/13  **Duration:** 00:02:12;23*

**User:** Joel Hurowitz  **Master:** DVCProH  **Submaster:** DVCProHD  **Audio1:** SILENT  **Audio2:** SILENT  **Res:** 720p59.94  **Type:** Edited

**Whats Up August 2013**


**Date:** 8/1/13  **Duration:** 00:02:12;14

**User:** Joel Hurowitz  **Master:** File  **Submaster:** DVCProHDL
**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 Cassidy and Karen Nyberg aboard Space Station, Charles Bolden.

**Master:** DVCProLP  
**Submaster:** DVCProLP  
**Audio1:** Mono mix  
**Audio2:** Mono mix  
**Res:** 720p59.94  
**Type:** Edited

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**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:** DVCProHDL-P  
**Audio1:** Mono mix  
**Audio2:** Mono mix  
**Res:** 720p59.94  
**Type:** Live Multi Cam

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**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:** DVCProHDL-P  
**Audio1:** Mono mix  
**Audio2:** Mono mix  
**Res:** 720p59.94  
**Type:** Live Multi Cam

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**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
**Curiosity on Mars: The Odometer Keeps Turning**

Colette Lohr, MSL Tactical Uplink Lead introduces the Curiosity Rover Report; Pics of the rover trekking to Mount Sharp; Video of Mars Moons Phobos 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.

**Voyager: Humanity's Farthest Journey - UPDATED Voyager 2 Destination**


**Whats Up September 2013**


**Voyage of Discovery-Music**

Animation of the two Voyagers flying by our solar system's 4 outer planets and of Voyager 1.
Voyage of Discovery_No Music

Animation of the two Voyagers flying by our solar system's 4 outer planets and of Voyager 1.

Voyager Media Reel

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.

Voyager 1 Measures Cosmic Ray Data

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.

vKA Lecture: "Telexploration and Video Game Technologies"

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 Āuholodecks,Āī 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.
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.

NASA Science Update: VOYAGER, Are We There Yet?

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-Creator/Producer; Mike Massimino-Astronaut; LeVar Burton-Actor, Star Trek: Next Generation; 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.;
Curiosity Rover Update. Shots of JPL's Mars Yard with Curiosity; Mark Maimone, MSL Rover Planner and Mobility Engineer gives an update on the Curiosity 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 Yard; Map of Curiosity's location and her route to Mount Sharp.

Whats Up October 2013
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.

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.

von Karman Lecture Series: Theodore von Karman and the Creation of JPL
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.

**What's Up November 2013**

Monthly series for amateur astronomers. November features: Maven Mission, Comet ISON

**NASA Earth Science Social-1**

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.

**NASA Social Earth Now**

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 Rodriguez; 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.

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.

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.
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 : DVCProH Submaster : DVCProHDL
Audio1 : Mono mix Audio2 : Mono mix
Res : 720p60 Type: Edited

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 : DVCProH Submaster : File
Audio1 : Mono mix Audio2 : Mono mix
Res : 720p59.94 Type: Edited

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 : DVCProHDL
Audio1 : Mono Audio2 : Mono
Res : 720p59.94 Type: Edited

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 : DVCProHDL
Audio1 : Mono mix Audio2 : Mono mix
Res : 720p60 Type: Edited
Whats Up December 2013
Date: 12/1/13  Duration: 00:02:31;18

Cassini Scientist for a Day
Date: 12/5/13  Duration: 00:01:00;05
Cassini scientists will answer students' 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's north pole, as obtained by Cassini data.

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 Manager, 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.

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.
**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.

**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.

**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 Figueroa-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.

**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.
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
Audio1 :  Mono mix  Audio2 :  Mono mix
Res :  720p59.94  Type:  Edited

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JPL-20131219-mDSN-0001  **DSN 50th 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
Audio1 :  Mono mix  Audio2 :  Mono mix
Res :  720p 60  Type:  Edited

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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 Grabill-Viking Project-Landing Site Information; Joel Levine-Science Directorate, Langley. Noel Hinner-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 Hurray when Viking landed; Ray Arvidson-Viking Project and Washington University, St. Louis, Ron Greeley-Viking Project and Arizona State Univ.; Douglas McCuiston-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  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: DVCProHDL
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
Master: DVCProH  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  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.

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 from the one programmed into the rocket's computer when it was launched. The flight is documented by onboard cameras and cameras on the ground.

vK Lecture Series-"The Mars Exploration Rovers: A Decade of Discovery"
Date: 1/15/14  Duration: 01:25:32;02


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.
**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: 720p 59.94  
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: DVCProH DLP  
Submaster: DVCProHD

Audio1: Mono mix  
Audio2: Mono mix

Res: 720p 59.94  
Type: Live Multi Cam

**JPL-20140130-mJPL-0001**

**African American Heritage: Bill Allen**

Profile of JPL Mechanical Design Engineer Bill Allen

Master: DVCProH DLP  
Submaster: xSAN

Audio1: Mono  
Audio2: Mono

Res: 720p 59.94  
Type: Edited
See all the planets plus mission updates from comet and asteroid missions Dawn and Rosetta.

Date: 2/1/14  Duration: 00:02:23;03

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.

von Karman Lecture: The History and Future of Space Communications (DSN)-1

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.
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.

JPL-20140218-mNuSTAR-0001

NASA's NuSTAR Untangles Mystery of How Stars Explode-Video File

Date: 2/18/14
Duration: 00:04:28:*

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.

JPL-20140218-pNuSTAR-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.

JPL-20140219-mRadar-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.

**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.

**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.

**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.

**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
Audio1: Mono
Res: 720p60
Type: Live Multi Cam

JS-20140401-DSN-0002 DSN NASA Social
Date: 4/1/14  Duration: 00:27:59;28
Master: DVCProHD
Audio1: 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
Audio1: 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. 'JPL 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
The space program can immensely benefit the quality of life for all mankind.

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.

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.

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.

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.
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.

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.

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.

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.
<table>
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<tr>
<th>JPL-20140512-mOCO2-0001</th>
<th><strong>OCO-2 Trailer</strong></th>
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<tr>
<td><strong>Date</strong>: 5/12/14</td>
<td><strong>Duration</strong>: 00:02:05:06*</td>
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<tr>
<td><strong>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.</strong></td>
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<th>JPL-20140515-mRapSct-0001</th>
<th><strong>What Has the Wind Done for You Lately</strong></th>
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<tr>
<td><strong>Date</strong>: 5/15/14</td>
<td><strong>Duration</strong>: 00:03:00:16</td>
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<tr>
<td><strong>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.</strong></td>
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<th>JPL-20140522-mMRO-0009</th>
<th><strong>Mars Weathercam Helps Find Big New Crater</strong></th>
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<td><strong>Date</strong>: 5/22/14</td>
<td><strong>Duration</strong>: 00:02:23:21*</td>
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<tr>
<td><strong>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.</strong></td>
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<th>JPL-20140522-mVKLect-0001</th>
<th><strong>vKA Lecture: &quot;The Past, Present and Future of Propulsion at the Jet Propulsion Laboratory&quot;</strong></th>
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<tr>
<td><strong>Date</strong>: 5/22/13</td>
<td><strong>Duration</strong>: 01:34:56:15</td>
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<tr>
<td><strong>Putting the &quot;P&quot; 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.</strong></td>
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<td><strong>Res</strong>: 720p59.94</td>
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</table>
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.

JPL-20140602-mLDSD-0001
LDSD L-1 Press
Briefing
Recorded in the U.S. Navel Pacific Missile Range Facility's hanger located in Kauai, Hawaii.
Introduction: Captain Bruce W. Hay, Jr. USN Commanding Officer of The Pacific Missile Range
Michael Gazanik, 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.

JPL-20140602-mWhatsU-0001
Whats Up June 2014
Monthly series for amateur astronomers. June features: moon and planet pairings (Mercury,
Jupiter, Saturn) at dawn and dusk, spot Mercury, comet Siding Spring.

JPL-20140605-sOPALS-0001
OPALS Flyover
Animation
Animation of OPALS explaining how it works with visuals including mountains and Table Mountain Observatory and the International Space Station (ISS).

JPL-20140609-mMSL-0001  **Mercury in Front of the Sun Seen from Mars**

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.

JPL-20140611-mAstrds-000  **Radar Observations of Asteroid 2014 HQ124**

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.

JPL-20140611-mOCO2-0001  **OCO-2 Video File**

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.

JPL-20140611-mOCO2-0001  **OCO-2 Mission Video**

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
JPL-20140611-mOCO2-0001  **OCO-2 Mission Video**

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 measurements in the atmosphere. Will also be able to tell when plants are respirating (growing) - solar-induced fluorescence.

JPL-20140612-mOCO-0001  **OCO-2 Pre-Launch Media Briefing_NASA's New Carbon Counting Mission**

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.

JPL-20140619-mHQ-0001  **NASA Asteroid Update**

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;

Questions and Answer Session.

JPL-20140619-mHQ-0002

**NASA Asteroid Update**

Date: 6/19/14
Duration: 00:26:03:25


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.

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).
| 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  
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**Audio1:** Mono mix  
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**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, Curiosity Tactical Downlink Lead, Nicole Spanovich and Science Operations Team Chief  
**Master:** DVCProH  
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| 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  
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**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.

JPL-20140628-mLDSD-0003  Engineering Test of NASA’s Low_Density Supersonic Decelarator
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.

JPL-20140701-mOCO2-0001  OCO-2 Post-launch News Conference
Date:  7/1/14  Duration:  00:22:38;22*

JPL-20140701-mWhatsU-0001  Whats Up July 2014
Date:  7/1/14  Duration:  00:02:38;10

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.

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**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.

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**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.

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**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.

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**JPL-20140702-mLDSD-0005**

**LDSD Test Vehicle Returns**
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.
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.

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.

Date: 7/8/14  Duration: 00:33:03:02

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

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.

JPL-20140717-mVKLect-0002 Revealing Saturn: Cassini's Tenth Year
Date: 7/17/14  Duration: 01:03:46:00

The von Karman Lecture Series 2014. Continuation of the questions and answer session.
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.

Still images of Lake Mead waterline, or “bathtub ring”; Time-lapse footage of Hoover Dam; Still images of parched ground; Map of Colorado River Basin; Animation of NASA’s GRACE satellite mission; Jay Famiglietti, JPL Senior Water Scientist

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.
Three animated views of ESA's Herschel Space Observatory in space. Poor quality, derived from standard definition original.

Date: 7/28/14  Duration: 00:00:57;03

Master: File  Submaster: DVCProHDL
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's 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


Master: File  Submaster: DVCProHDL
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

• Map with animated traverse line showing where Curiosity has traveled over the last two years;
• Panorama of the landscape surrounding Curiosity on the way to Mt. Sharp;
• Map showing sandy Martian valleys that Curiosity will cross;
• Timelapse of Curiosity driving, from the rover's 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

• Map with animated traverse line showing where Curiosity has traveled over the last two years;
• Panorama of the landscape surrounding Curiosity on the way to Mt. Sharp;
• Map showing sandy Martian valleys that Curiosity will cross;
• Timelapse of Curiosity driving, from the rover's hazard cameras.
showing sandy Martian valleys that Curiosity will cross; Timelapse of Curiosity driving, from the rover's hazard cameras

**Hi-Rez Imagery from NASA's LDSD Project (VF)**

Hi-Rez Imagery from NASA's Low-Density Supersonic Decelerator (LDSD) Project.

**Media Reel of Early Results of LDSD "Saucer" Test**

Balloon Preparations, Balloon Launch, Rocket Motor Spin-Up, Rocket Fire, Rocket Motor Spin Down, SAID Deploy, Ballute and Parachute Deploy.

**Origami Solar Array Prototype**

Researchers unfold a prototype of a solar array that uses origami principles for deployment. Brian Trease at NASA's Jet Propulsion Laboratory says this kind of technology could one day be used for space solar power applications.

**Earth Globe with animated dimensional clouds**

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.
Von Karman Lecture: Curiosity’s 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

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

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 Grinspoon 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

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
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

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: DVCProH  Submaster: File
Audio1: Mono mix  Audio2: Mono mix
Res: 720p59.94  Type: Sat / Air Chk

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

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
**Whats Up October 2014**

Monthly series for amateur astronomers. Total lunar eclipse, partial solar eclipse, Mars and Comet Siding Spring.

**Date:** 11/6/14  
**Duration:** 00:02:29;12*

**Master:** File  
**Submaster:** DVCProH DLP

**Audio1:** Mono mix  
**Audio2:** Mono mix  
**Res:** 720p59.94  
**Type:** Live Multi Cam

**VK Lecture: Rosetta-A lesson on comets, the solar system and Earth-1**

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’s Art Chmielewski and Claudia Alexander, the Rosetta mission’s U.S. project manager and project scientist, respectively, speak about the Rosetta Mission.

**Date:** 10/9/14  
**Duration:** 01:26:07;02*

**Master:** DVCProHDLP  
**Submaster:** File

**Audio1:** Mono mix  
**Audio2:** Mono mix  
**Res:** 720p59.94  
**Type:** Live Multi Cam

**Comet NASA Social**

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 Chmielewski, Rosetta US Project Manager; Claudia Alexander, Rosetta US Project Scientist; Sam Gulkis, Rosetta MIRO PI; Paul Weissman, Rosetta Scientist.

**Date:** 10/13/14  
**Duration:** 02:00:47;24

**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 : DVCProH  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 : DVCProH  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 : DVCProHDL
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 : DVCProH  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 Churyumov, Svetlana Gerasimenko and Roel Gathier commenting on the mission.

Master: DVCProH 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 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: DVCProHDL P
Audio1: Mono Audio2: Mono
Res: 720p59.94 Type: Edited

JPL-20141204-mVKLect-0001 VK Lecture: ”NASA's 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 Submaster: File
Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Live Multi Cam
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.

"Early Results from NASA’s 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**

Diagrammatic animation of Rosetta's path through space from Earth to comet 67P/Churyumov-Gerasimenko. Significant points in the journey are labeled.

Master : DVCProH 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 : 00:01:47:11

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 November 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 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 : File
Audio1 : Mono mix Audio2 : Mono mix
Res : 1080p30 Type: Edited
What's Up January 2015
Date: 1/1/15
Duration: 00:02:44;25*
Master: File
Audio1: Mono
Audio2: Mono
Res: 720p59.94
Type: Edited

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

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

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

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

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
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

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

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

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

11 Years and Counting Opportunity on Mars

Date: 1/22/15  
Duration: 00:01:37;08

Still illustrates 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
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
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

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

SMAP Delta II Post Launch News Conference
Date: 1/31/15 Duration: 00:10:57;05

Master: File Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: Sat / Air Chk

SMAP Tower Rollback
Date: 2/1/15 Duration: 00:01:43;02*

Master: File Audio1: Mono mix Audio2: Mono mix
Res: 720p59.94 Type: B-Roll
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.

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 illuminate rock features at night.

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.
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.
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.

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.

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.

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.

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.
**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

**Destination Dwarf Planet: Dawn Approaches Ceres**

Date: 3/9/15  
Duration: 00:01:55:35


Master: File  
Audio1: Silent  
Audio2: Silent  
Res: 720p59.94  
Type: Edited

**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

**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
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.

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.

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.

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).
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.

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.

LDSD Overview Briefing
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.

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.;
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 Audio1: Mono mix Audio2: Mono mix Res: 720p59.94 Type: Live Multi Cam

SMAP Monitors Drought and Flood in Texas
Date: 5/6/15 Duration: 00:02:12:17
SMAP satellite data poised 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. Hydrologist/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

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

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
NASA News Briefing-Europa: Understanding This Ocean World
Date: 5/26/15  Duration: 00:50:25:25


What's Up June 2015
Date: 6/1/15  Duration: 00:03:25:39


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 step 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 recap's 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.
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.
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.

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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.

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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 mix Audio2: Mono mix
Res: 720p59.94 Type: Live Multi Cam;Sat / Air Chk
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.

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.
Five Ways Mariner 4 Changed Mars Exploration

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

vK Lecture Series: 1965-Discovery at Mars

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

What Does it Mean to Be a NASA JPL Intern

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

Ceres Topographic Globe Animation

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

What's Up August 2015

August 2015: Perseid meteor shower and view all the current and former planets.
What's Up August 2015

Monthly series for amateur astronomers. August features: Perseid meteor shower, where to view all the current and former planets. 1080i30 version

Date: 8/1/15  
Duration: 00:03:17:28

Master: File  
Audio1: Stereo  
Audio2: Stereo  
Res: 1080p60  
Type: Edited

Curiosity 3rd Year Video File


Date: 8/4/15  
Duration: 00:05:20:20

Master: File  
Audio1: Stereo Mix  
Audio2: Stereo mix  
Res: 720p59.94  
Type: Edited

Three Years on Mars

After three action-packed years on Mars, the Curiosity rover is ready to take on higher slopes of Mount Sharp.

Date: 8/5/15  
Duration: 00:03:03:26

Master: File  
Audio1: Mono  
Audio2: Mono  
Res: 1080i 30  
Type: Edited

vK Lecture Series: Drought, Are We In or Out?

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.

Date: 8/13/15  
Duration: 01:18:42:08*

Master: File  
Audio1: Mono mix  
Audio2: Mono mix  
Res: 720p59.94  
Type: Live Multi-Cam
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.

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.

What's Up September 2015
September 2015: Total eclipse of harvest moon
Monthy series for amateur astronomers. September features: a total eclipse of the harvest moon and where to view the planets.
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.

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.

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.

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 Kalera, Nick Seigler, Natalie Batalha, and Alan Boss.
**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

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**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

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**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

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**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

---

**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

---

**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
<table>
<thead>
<tr>
<th>JPL-20151026-mCassin1-0001</th>
<th><strong>Enceladus Flyby Web Video</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: 10/26/15</td>
<td>Duration: 00:01:51:10</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Master: File</td>
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<tr>
<td>Audio2: Mono</td>
<td>Res: 720p59.94</td>
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<td>Type: Edited</td>
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<table>
<thead>
<tr>
<th>JPL-20151026-mCassin2-0001</th>
<th><strong>NASA to Sample Ocean from Icy Saturn Moon Enceladus - Video File</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: 10/26/15</td>
<td>Duration: 00:04:54:24</td>
</tr>
<tr>
<td>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)</td>
<td></td>
</tr>
<tr>
<td>Master: File</td>
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</tr>
<tr>
<td>Audio2: Mono mix</td>
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<table>
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<tr>
<th>JPL-20151105-mVKLect-0003</th>
<th><strong>vK Lecture Series: Juno Mission To Jupiter</strong></th>
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<tbody>
<tr>
<td>Date: 11/5/15</td>
<td>Duration: 01:28:14;11*</td>
</tr>
<tr>
<td>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 periavove 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.</td>
<td></td>
</tr>
<tr>
<td>Master: File</td>
<td>Audio1: Mono mix</td>
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<table>
<thead>
<tr>
<th>JPL-20151112-EARTHm-0001</th>
<th><strong>OCO-2 Measures Plant Photosynthesis</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: 11/12/15</td>
<td>Duration: 00:01:33;21</td>
</tr>
<tr>
<td>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 radianse (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.</td>
<td></td>
</tr>
<tr>
<td>Master: File</td>
<td>Audio1: Silent</td>
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<tr>
<td>Audio2: Silent</td>
<td>Res: 1080i29.97</td>
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<table>
<thead>
<tr>
<th>JPL-20151112-mEarth-0001</th>
<th><strong>A Breathing Planet Off Balance</strong></th>
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<tbody>
<tr>
<td>Date: 11/12/15</td>
<td>Duration: 00:02:32;10</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Master: File</td>
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<tr>
<td>Audio2: Mono mix</td>
<td>Res: 1080p 29.97</td>
</tr>
<tr>
<td>Type: Edited</td>
<td></td>
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</tbody>
</table>
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


Master: File
Audio1: Stereo Audio2: Stereo
Res: 1080i60 Type: Edited

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

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

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

Cassini Scientist for a Day. Cassini scientist Linda Spilker describes the concept.

Master: File
Audio1: Stereo Audio2: Stereo
Res: 720p59.94 Type: Edited
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.

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).
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

**What's Up February 2016**

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

**What's Up January 2016**

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

**Flight Over Ceres**

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

**The Europa Mission**

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
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

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

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

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
**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

**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

**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

**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

**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
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

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

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
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.

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.

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 orbits Jupiter; Animation/ Views of Jupiter; Animation/ Juno'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
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 NASA'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.

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.
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.

JPL B-Roll
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.

Rover Weather Report
MSL Project Scientist Ashwin Vasavada shares the weather data collected by Curiosity during its two Mars years.

Mixed Reality Media Day Reel
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.
### B-roll TV Studio

**B-roll of the Mixed Reality Media Day event. Various members of the media experiencing the Hololens technology.**

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<thead>
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### Mixed Reality Media Day B-roll VK Auditorium

**B-roll of the Mixed Reality Media Day event. Various members of the media experiencing the Hololens technology.**

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<td>Type:</td>
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### The Legacy of Viking

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.

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<tr>
<td>Type:</td>
<td>Live Multi-Cam</td>
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</tbody>
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### Replicating Titan and Mars

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.

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<td>Type:</td>
<td>Live Multi-Cam</td>
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Americas First Lunar Surveyor 50 Years Later

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.

What's Up June 2016

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.

Countdown to Jupiter Juno Spacecraft July 4th Orbit Insertion Mission Briefing


NASAs Juno to Fly Closer to Jupiter than Any Other Spacecraft

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.
Michael Gunson, 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.

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.

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.
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 Magnetospheres Co-
Investigator/University of Colorado, Boulder. The scientists discuss Jupiter and Juno and what they hope to

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
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*  
Master: File  
Sub-Master: DVCProHD  
Audio1: Uncompressed (48.0 kHz, mono x2, 16 bit)  
Res.: 720p59.94  
Type: Live Multi-Cam
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.

### What’s Up August 2016 cc

Monthly series for amateur astronomers. August features viewing 5 planets (Mercury, Venus, Mars, Saturn, Jupiter) and the Perseid meteor shower.

### Curiosity Four Years on Mars

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.

### Rosetta and the Comet

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.
**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

**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

**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

**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

**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
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.

JPL-20160906-CASSINF-0001

Dunes of Shangri La on Titan
Date: 9/6/16
Duration: 00:01:18;01

Animation shows both the robotic aspects of the Asteroid Retrieval Mission (ARM).

JPL-20160907-ARMf-0001

Asteroid Retrieval Mission Robotic Trajectory and Operations
Date: 9/7/16
Duration: 00:01:58;29

Animation shows both the human and robotic aspects of the Asteroid Retrieval Mission (ARM).

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 human and robotic aspects of the Asteroid Retrieval Mission (ARM).

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).

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).
**Four Days at Saturn**

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.

Date: 9/15/16  
Duration: 00:01:52;17

**Rosetta's Last Act HiRes**

File made by Dan Goods' team. Features Murthy Gudipati, Bonnie Buratti, Art Chimielewski, Mark Hofstadter, Paul Von Allmen, Mathieu Choukroun.

Date: 9/15/16  
Duration: 00:01:43'01

**VK Lecture Cassini Epic Journey at Saturn**

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;
From JPL, Gay Hill, Media RealTime 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

**Audio1:** 24-bit Integer (48.0 kHz, mono x2, 24 bit)

**Res.:** 720p59.94

**Type:** Live Multi-Cam

From JPL, Gay Hill, Media RealTime 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

**Audio1:** 16-bit Little Endian (48.0 kHz, stereo, 16 bit)

**Res.:** 720p59.94

**Type:** Live Multi-Cam

This "whiteboard" 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

**Audio1:** 16-bit Little Endian (48.0 kHz, stereo, 16 bit)

**Res.:** 720p59.94

**Type:** Edited
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

Short version of a "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:  DVCPro50
Audio1:  16-bit Little Endian (48.0 kHz, stereo, 16 bit)  Res.:  720p59.94
Type:  Edited

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

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

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
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.
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
What's Up November
2016
Date: 11/1/16 Duration: 00:02:31;07

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

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

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

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
Ronald 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 Razzle, 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
Audio 1: Uncompressed (48.0 kHz, stereo, 16 bit)
Resolution: HD
Type: Live Multi-Cam

JPL-20161117-VKLECTf-0001

New Eyes on Space
Date: 11/17/16 Duration: 01:31:23:08

JPL-20161121-CASSINf-0001

Ring Grazing Orbits
Date: 11/21/16 Duration: 00:01:54:05

Previewing Cassini’s Ring-Grazing Orbits
Master: File
Audio 1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit)
Resolution: HD
Type: Edited
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-Pajdus.

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

Occator Dawn Views Incredible Crater  
Date: 12/15/16  
Duration: 00:02:19:42

Animation with text of Occator 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

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

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
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

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

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
**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.

**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.

**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.

**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.
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.

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-grounds 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.

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.
A Treasure Trove of Planets Found

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.

What's Up March 2017

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.

15 Years of GRACE

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.

Cassini's Grand Finale Film ProRes 422 HQ

Animated piece about how Cassini will plunge into Saturn's atmosphere at the end of its mission.
**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

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**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

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**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
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.
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

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

What's Up May 2017 - cc

Date: 5/1/17  Duration: 00:01:50;27


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

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
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<th><strong>New Movie Shows Cassini’s First Dive Over Saturn Video File</strong></th>
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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 animation showing the orientation of the spacecraft during the dive. This is the beginning of the mission's Grand Finale.

<table>
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<tr>
<th>JPL-20170515-NEOWISf-0001</th>
<th><strong>Three Years of NEOWISE Survey Data</strong></th>
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<td><strong>Resolution:</strong> HD</td>
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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.

<table>
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<tr>
<th>JPL-20170523-HQf-0001</th>
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<td><strong>Resolution:</strong> HD</td>
<td><strong>Type:</strong> Live Multi-Cam</td>
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Acting Administrator Robert Lightfoot speaks from the James Webb Auditorium at NASA HQ about the Fiscal Year 2018 Budget Request.

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<tr>
<th>JPL-20170523-NASAf-0001</th>
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Stephanie Smith hosts from 179 Viewing Gallery. Topic is a Tour of NASA’s Facilities.
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<th><strong>First Science from Juno at Jupiter</strong> <strong>Telecon 608cc</strong></th>
<th>Date: 5/25/17</th>
<th>Duration: 01:08:48;25*</th>
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<td>Telecon about Juno's science.</td>
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<th>Date: 6/1/17</th>
<th>Duration: 00:02:27;19*</th>
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<th><strong>Cassini Group Photo</strong> <strong>Final</strong></th>
<th>Date: 6/21/17</th>
<th>Duration: 00:02:44;03</th>
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<tbody>
<tr>
<td></td>
<td>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.</td>
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<th>Date: 6/26/17</th>
<th>Duration: 00:37:46:02</th>
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<td>Instruments, Testing, Pre-launch preparation at KSC, Launch, Landing Commentary, First Images Commentary, Panorama of Landing Site, Movies made by Mars Pathfinder.</td>
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<td>Resolution: HD</td>
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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 Inflating, 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)
Resolution: HD  Type: Edited

Mars Pathfinder 20th Anniversary Celebration with Blaine Baggett in Pickering Auditorium
Date: 6/27/17  Duration: 00:59:00:00

Master: File  Sub-Master: N/A
Audio 1: 32-bit Integer (48.0 kHz, stereo, 32 bit)
Resolution: HD  Type: Live Multi-Cam

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)
Resolution: HD  Type: Edited; Animation

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)
Resolution: HD  Type: Edited
JPL-20170630-ASTRDSf-0003  NASA Planetary Defense Every Day Is Asteroid Day
Date: 6/30/17  Duration: 00:59:00*
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)
Resolution: HD  Type: Live Multi-Cam

JPL-20170630-ASTRDSf-0004  NASA's 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)
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)
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)
Resolution: HD  Type: B-Roll
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
Audio 1: Uncompressed (48.0 kHz, stereo, 16 bit)
Resolution: HD
Type: Live Multi-Cam

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
Audio 1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit)
Resolution: HD
Type: Edited

46-frame movie made by the Cassini spacecraft on July 20, 2017, of the aurora at Saturn's south pole.

Master: File
Audio 1: 16-bit Little Endian (44.1 kHz, stereo, 16 bit)
Resolution: HD
Type: Edited

Edited piece highlighting sounds that were captured by Voyager 1 in interstellar space.

Master: File
Audio 1: 16-bit Little Endian (44.1 kHz, stereo, 16 bit)
Resolution: HD
Type: Edited
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

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: Edited

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

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
A World Unveiled Cassini at Titan

Date: 8/11/17  Duration: 00:03:10:17


Master:  File  Sub-Master:  N/A
Audio 1:  16-bit Little Endian (48.0 kHz, stereo, 16 bit)
Resolution:  HD  Type:  Edited

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)
Resolution:  HD  Type:  Edited

Solar System Ambassador-Web-1080cc

Edited piece about the Explorer 1 mobile telescope.

Date: 8/16/17  Duration: 00:02:09;22

Master:  File  Sub-Master:  N/A
Audio 1:  16-bit Little Endian (48.0 kHz, mono x2, 16 bit)
Resolution:  HD  Type:  Edited

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)
Resolution:  HD  Type:  Live Multi-Cam
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.

JPL-20170824-CASSINf-0001  Cassini The Wonder of Saturn - CC
Collection of images and animations at Saturn accompanied by music.

JPL-20170824-VKLECTf-0001  Voyager 40 Years in Space
Voyager's remarkable journey continues. Presented by Alan Cummings, Senior Research Scientist at Caltech and Voyager team member since 1973

JPL-20170824-VOYAGEf-0001  Voyager 40th Anniversary Celebration CC
Blaine Baggett moderates. Panelists: Suzy Dodd, Ed Stone, Chris Jones, John Cassani
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.

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.

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.

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.
Voyager 40th Anniversary Special Part 2 JPL Hit with PreRoll

Shot at JPL for the Voyager 40th 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.

Voyager 40th Anniversary Special Part 3

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 Zimstein, Researcher Princeton University.

Cassini End of Mission Preview

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.

Cassini NASA Social

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

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

Cassini Moments
JPL's Cassini Mission Support Area as the Cassini mission ended on September 15, 2017.
Date: 9/15/17  Duration: 00:01:04:22
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

Cassini End of Mission Post Event Press Conference
Date: 9/15/17  Duration: 00:59:44:14*
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
**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  
Audio 1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit)

Resolution: HD  
Type: Edited

**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  
Audio 1: Uncompressed (48.0 kHz, mono x2, 24 bit)

Resolution: HD  
Type: Live Multi-Cam

**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  
Audio 1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit)

Resolution: HD  
Type: Edited
JPL research scientist Ashley Davies gives a presentation on volcanism on Io and relates it back to volcanoes 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.

Volcanologist’s Paradise
Date: 9/21/17
Duration: 00:58:12:06*

What’s Up October 2017
Date: 10/1/17
Duration: 00:02:21:09*

NASA Pinpoints Cause of Earth’s Recent CO2 Spike - Video File
Date: 10/11/17
Duration: 00:07:05:08
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

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

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 leading to major droughts and floods 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.
Edited piece about the 2017 pumpkin carving contest. Contestants are given one hour to carve their pumpkins.

**Pumpkin Carving Contest**

- **Date:** 11/1/17
- **Duration:** 00:02:12:09

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

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.

**What's Up November 2017**

- **Date:** 11/1/17  
- **Duration:** 00:02:39:20

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

A drone guided by A.I. (artificial intelligence) is raced against a drone piloted by a human in a demonstration of drone autonomy.

**Drone Race Human vs Machine**

- **Date:** 11/17/17  
- **Duration:** 00:01:48;14*

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

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.

**The NASA Mars 2020 Rover Mission**

- **Date:** 11/16/17  
- **Duration:** 01:43:50;24*

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
Asteroid 1I2017U1 Web Video

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
Audio 1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit)
Resolution: HD
Type: Edited

Asteroid 1I2017U1 VF

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
Audio 1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit)
Resolution: HD
Type: Edited

DIY Glacier Modeling with Virtual Earth System Laboratory

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
Audio 1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit)
Resolution: HD
Type: Edited

What's Up December 2017


Master: File
Audio 1: 16-bit Little Endian (48.0 kHz, stereo, 16 bit)
Resolution: HD
Type: Edited
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.

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.

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.
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.

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;