

LUVOIR / HabEx STDTs Meeting #3 Agenda

November 9 – 11, 2016

Omni Hotel, New Haven CT

College Room

Wednesday, November 9, 2016	
LUVOIR ONLY	
Remote participation link: https://ac.arc.nasa.gov/luvoir	
8:30 AM to 8:45 AM	Chairs' Welcome and Meeting Overview (<i>Debra Fischer & Brad Peterson</i>)
8:45 AM to 9:45 AM	Instrument Updates <ul style="list-style-type: none">A. Coronagraph (<i>Laurent Pueyo</i>)B. UV Instrument (<i>Kevin France</i>)C. Wide-Field Imager (<i>Marc Postman</i>)D. O/NIR Spectrograph (<i>Courtney Dressing</i>)
9:45 AM to 10:00 AM	Overview of CNES Instrument Contribution (<i>Marc Ferrari</i>)
10:00 AM to 10:15 AM	Simulation Tools Update (<i>Jason Tumlinson</i>)
10:15 AM to 10:35 AM	Cosmic Origins Aperture Drivers (<i>John O'Meara</i>)
10:35 AM to 11:00 AM	Coffee Break
11:00 AM to 11:30 AM	Exoplanet Aperture Drivers (<i>Chris Stark & Mark Marley</i>)
11:30 AM to 12:00 PM	Solar System Aperture Drivers (<i>Walt Harris</i>)
12:00 PM to 1:00 PM	Lunch
1:00 PM to 1:45 PM	Technical Considerations for Telescope Architectures and Launch Vehicles (<i>Matt Bolcar</i>)
1:45 PM to 2:15 PM	Recap of Strategy and Risk Considerations (<i>Aki Roberge</i>)
2:15 PM to 2:45 PM	Coffee Break
2:45 PM to 3:45 PM	Group Discussion to Create Telescope Architecture Options (<i>Brad Peterson</i>)
3:45 PM to 4:30 PM	Prioritize Telescope Architecture Options <ul style="list-style-type: none">A. Architecture AB. Architecture B
4:30 PM to 5:15 PM	Communications and Outreach (<i>Debra Fischer</i>)
5:15 PM to 5:30 PM	Preparation for HabEx Joint Meeting
6:30 PM	Group Dinner at Thali-Too (http://www.thalitoo.com)

Thursday, November 10, 2016

LUVOIR and HabEx

Remote participation link: <https://ac.arc.nasa.gov/luvoir>

8:30 AM to 9:30 AM	LUVOIR Status Update <ul style="list-style-type: none">A. Overall Mission Philosophy (<i>Brad Peterson</i>)B. Overview of Science Cases (<i>Debra Fischer</i>)C. Instrument Suite and Mission Architectures (<i>Aki Roberge</i>)D. Study Plan and Schedule (<i>Julie Crooke</i>)
9:30 AM to 10:30 AM	HabEx Status Update <ul style="list-style-type: none">A. Overall Mission Philosophy (<i>Sara Seager</i>)B. Overview of Science Cases (<i>Scott Gaudi</i>)C. Instrument Suite and Mission Architectures (<i>Keith Warfield</i>)D. Study Plan and Schedule (<i>Keith Warfield</i>)
10:30 AM to 11:00 AM	Coffee Break
11:00 AM to 11:20 AM	Solar System Science with LUVOIR and HabEx (<i>Walter Harris</i>)
11:20 AM to 12:20 PM	Coronagraphy with Segmented Apertures and the Cross-Correlation Technique (<i>Dimitri Mawet & Laurent Pueyo</i>)
12:20 PM to 1:30 PM	Lunch
1:30 PM to 2:15 PM	UV Coatings, Polarization, and Coronagraphy (<i>Matt Bolcar, with JPL input</i>)
2:15 PM to 3:30 PM	Breakout Sessions <ul style="list-style-type: none">A. General Astrophysics (<i>Marc Postman & Paul Scowen</i>)B. Measuring Planet Masses (<i>Debra Fischer & Scott Gaudi</i>)<ul style="list-style-type: none">a. Space-Based Astrometry (<i>Eduardo Bendek</i>)b. Extreme Precision RV Capabilities Summary (<i>Debra Fischer</i>)C. Exoplanet Yield Calculations and Input Assumptions (<i>Chris Stark & Karl Stapelfeldt</i>)<ul style="list-style-type: none">a. ExoPAG SAG15 Update on Planet Occurrence Rates (<i>Ruslan Belikov</i>)b. ExEP Standards Team Update (<i>Rhonda Morgan</i>)D. Exoplanet Characterization (<i>Vikki Meadows & Tyler Robinson</i>)<ul style="list-style-type: none">a. Biomarkers and False Positives (<i>Vikki Meadows</i>)b. Habitability (<i>Nick Cowan</i>)c. Planet Diversity (<i>Leslie Rogers</i>)E. Technology (<i>David Redding & Dimitri Mawet</i>)
3:30 PM to 4:00 PM	Coffee Break
4:00 PM to 5:00 PM	Reports from Breakout Sessions
5:00 PM to 5:30 PM	How Do the LUVOIR and HabEx STDTs Work Together in the Future? (<i>Scott Gaudi & Aki Roberge</i>)
5:30 PM to 6:00 PM	Wrap-up and Next Steps (<i>STDT chairs</i>)
6:30 PM	Group Dinner

Friday, November 11, 2016

HabEx ONLY

Remote participation link: <https://ac.arc.nasa.gov/habex>

8:00 AM to 8:30 AM	Breakfast
8:30 AM to 9:00 AM	Design Team Progress (<i>Keith Warfield</i>)
9:00 AM to 9:30 AM	Yield Calculations (<i>Chris Stark</i>)
9:30 AM to 10:00 AM	Plans for Evaluating the Impact of Precursor RV Observations (<i>Peter Plavchan</i>)
10:00 AM to 10:30 AM	Coffee Break
10:30 AM to 11:15 AM	Overall Architecture Trade Discussion (<i>Scott Gaudi</i>)
11:15 AM to 12:00 PM	Joint Coronagraph and Starshade Strategy Discussion (<i>Sara Seager</i>)
12:00 PM to 1:00 PM	Lunch
1:00 PM to 1:45 PM	Number of Starshades and Size Discussion (<i>Sara Seager</i>)
1:45 PM to 2:15 PM	Coronagraph Properties Discussion (<i>Dimitri Mawet</i>)
2:15 PM to 3:15 PM	General Astrophysics Instruments Discussion (<i>Paul Scowen & Dan Stern</i>) A. Technical and Cost Aspects (<i>Keith Warfield</i>)
3:15 PM to 3:30 PM	Coffee
3:30 PM to 5:00 PM	Full Trade Discussion (<i>Scott Gaudi & Sara Seager</i>)
5:00 PM	Adjourn