

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 | |
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| 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 A B. 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>

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| 8:30 AM to 9:30 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>) |
| 9:30 AM to 10:30 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>) |
| 10:30 AM to 11:00 AM | Coffee Break |
| 11:00 AM to 11:20 AM | Solar System Science with LUVOIR and HabEx (<i>Britney Schmidt</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>

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| 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 |