

WFIRST Formulation Science Working Group (FSWG)

Meeting #2

June 13-15, 2016

Embassy Suites Arcadia

Agenda

version 18

Monday June 13

- 9:30 Welcome (Helou, Cutri)
- 9:40 Meeting plan (Gehrels, Kasdin, Spergel)
- 10:00 WFIRST perspective from NASA HQ (Benford)
- 10:30 WFIRST status update (Gehrels)
- 10:45 Plan for SRD discussion (Kruk)
- 10:55 Break
- 11:10 Project update (Grady - overview, Ruffa - sys engineering, Whipple - WFI, Zhao - CGI, Patterson - OTA)
- 12:00 Lunch
- 1:00 Project update cont.
- 2:20 Deliverable items needed from SITs (Kruk)
- 2:35 Starshade opportunity (Kasdin - intro, Blackwood - overview, Seager - science opportunity, Shaklin/Lisman - implementation)
- 3:35 Science Centers update (Carpenter, Cutri, van der Marel)
- 4:10 Break
- 4:25 Full FSWG Discussion Session
 - Scheduling (Hirata facilitator)
 - Data Management (van der Marel, Cutri facilitators)
 - Telescope Temperature (Content facilitator)
- 6:00 Adjourn
- 6:30 Dinner

Tuesday June 14

Break-outs for WFI and CGI

9:00am - 5:00pm WFI Breakout

- 9:00 SN observing capabilities discussion (Spergel, Perlmutter, Foley)
- 10:00 Filter discussion (option with extra filter, option with current number) (Kalirai)
- 11:00 Grism discussions (Rhoads, Content)
 - wavelength range discussion
 - grism resolution requirement (resolving H α and NII)

redshift survey spectrophotometric calibration accuracy (is 1% adequate?)
adding extra grism to filter wheel

- 12:00 Lunch
- 1:00 Calibrations (observations SITs view as essential) (Kruk, all)
- 1:50 HLS photo-z requirements for photometry and spectra (Capak)
- 2:10 DE constraint forecasting tool (Doré)
- 2:30 Photometric calibration requirements (Scolnic)
- 2:50 WFI on-board data handling (Kruk, SIT input)
- 3:10 IFC requirements / design parameters (Perlmutter, Content)
- 3:30 Detectors - quantity and characterization (Andrews, Rauscher, Bennett)
- 4:00 Microlensing discussion (Gaudi)
- 4:30 Simulations requirements (Robertson, Rhodes)
- 4:50 Astrometry considerations (Sanderson)
- 5:00 Return to full FSWG

8:45am - 5:00pm CGI Breakout

- 8:45 Summary/Status of Action Items from April Meeting
- 9:15 Project update and Milestones (Feng)
- 9:45 Post-Processing & Discussion (Bertrand)
- 10:15 Filter bandpass & Discussion (Mark Marley)
- 10:45 Break
- 11:00 Update on polarization study (Wes)
- 11:30 Requirements and Design Update on IFS (Avi)
- 12:00 Lunch
- 1:15 SRD Discussion (Kerri)
- 2:30 Science Modeling update (Nikole)
- 3:00 Simulations update (Bruce)
- 3:30 Operations and Scheduling (Wes)
- 4:00 Data Challenges and Target Update (Maggie)
- 4:30 Discussion
- 5:00 Return to full FSWG

5:00 Full FSWG discussion (Kasdin, Spergel)

6:00 Adjourn

Wednesday June 15

- 8:30 WFI & CGI splinter meetings recap and Actions (Spergel, Kasdin)
- 9:00 SRD and operations concept discussion (Kruk)
- 10:15 Reports from foreign partners (Dupuis, Yamada, Boccaletti, Henning)
- 11:15 Break
- 11:30 Mission and science publication opportunities (Gehrels)
- 11:45 Future community science meetings and workshops (Spergel, Kasdin, Gehrels)
- 12:05 Plan forward and discussion (Gehrels, Kasdin, Spergel, Grady)

12:40 Adjourn