COS SMOV Morning Update

10 June 2009
Agenda

• COS NUV Darks: 11466: 2 visits of 11 (COS05)
  – Last 2 visits (10,11) presently scheduled
  – Refined analysis will proceed now that all visits are available

• Upcoming COS SMOV Timeline
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- Day 161: Wed 10 June
  - 11356 visit 7 of 13 (COS23) FUV HV Turn-on
    - ramp from HVLOW to third intermediate ramp value (seg A/B: -5105/-5057v), dump DCE, wave, dark exp
    - OPS request required: clear NSSC-1 COS event flag 3 set in 1135606
    - No event flag set; leave SI at HV level for 4 hours; then execute 1135608
      - Contingency OPS request in place to place FUV in INHIBIT if anomaly
    - science data
  - 11356 visit 8 of 13 (COS23) FUV HV Turn-on
    - After 4-hour wait at third intermediate ramp value, dump DCE RAM, return to HVLOW
    - sets event flag 3
    - OPS request required: clear NSSC-1 COS event flag 3 prior to visit 9
Upcoming COS SMOV Timeline

- **Day 162: Thurs 11 June**
  - 11468 visit 1 (COS08) COS-to-FGS Alignment / Coarse Focus
    - “First-Light”: First observation of an external source with COS (astrometric F type MS star in cluster NGC-188)
    - After blind pointing perform 5x5 POS-TARG search pattern via MIRRORA images at each point; perform pattern for 3 separate coarsely separated focus settings
    - Perform ACQ/SEARCH and ACQ/IMAGE tests; perform several TAGFLASH image mode exposures to determine WCA-to-PSA offsets for future target acquisition parameter updates
  - Analysis of imagery will yield pointing update and may yield focus and mechanism updates all to be uplinked via real-time contact in visit 2 on Sat 13 June
Upcoming COS SMOV Timeline

• Day 163: Fri 12 June
  – 11356 visit 9 of 13 (COS23) FUV HV Turn-on
    • ramp from HVLOW to fourth intermediate ramp value, dump DCE, wave, dark exp
    • OPS request required: clear NSSC-1 COS event flag 3 set in 1135608
    • 1135609 163:17:25:00 - 163:18:02:28
    • No event flag set; leave SI at HV level for 4 hours; then execute 1135609
      – Contingency OPS request in place to place FUV in INHIBIT if anomaly
    • science data
  – 11356 visit 10 of 13 (COS23) FUV HV Turn-on
    • After 4-hour wait at fourth speci intermediate ramp value, dump DCE RAM, return to HVLOW
    • sets event flag 3
    • 1135610 163:21:40:00 - 163:21:41:36
    • clear NSSC-1 COS event flag 3 prior to visit 11