- **Summary** Spacecraft subsystems continue to operate nominally. Aft-shroud temperature continue to be monitored. The 21-day Bright Earth Avoidance (BEA) period completes today. As a result, safing sequences will be returned to normal. WFC3 has been transitioned out of Protect mode to Operate, in preparation for cooldown of both detectors. Parts 5 and 6 of the COS FUV high-voltage ramp-up continues according to plan. All internals continue looking good. All three FGSs are nominal. The new FGS is undergoing its “mini-alignment.” The ACS Tiger Team will give a status following tomorrow’s morning meeting. The STIS NUV MAMA recovery has begun. STIS CCD CTE analysis results appear consistent with pre-repair CTE estimates.

- **Observatory Status**
  - PCS/SAC: JWirzburger
    - Nominal
  - EPS
    - Nominal
  - TCS: JAbel
    - Draft Thermal analysis package is out for review.
  - I&C
    - Nominal
  - DMS
    - Nominal
  - 486FSW
    - Nominal
  - SAFING
    - Nominal
    - OR 18499 to reconfigure Safing back to ‘normal’ so that the Aperture Door is not closed in Inertial hold safemodes
      - Will be executed at 1348z today.
      - This change in safing sequences is occasioned by the completion of the 21-day Bright Earth Avoidance (BEA) period today at 1300 UT.
  - SIC&DH & P/L FSW
    - Status: Nominal
    - 3 SBEs since yesterday’s report

- **SI Status**
  - WFC3
    - Engineering
      - Status
Operate
- OR 18476-0 successfully executed at 159/18:19 UTC to transition WFC3 out of Protect mode
  - VCHP reservoir setpoint 3.0 degC
  - OBCP setpoint 4.0 degC
  - UVIS window heater setpoint -10 degC
- Heaters appear to be cycling nominally around their new setpoints and will continue to be trended

Forward Plan
- Exit Protect mode and cool detectors (beginning June 8)
  - OR 18478-1 submitted to enable IR 6-stage TEC with a setpoint of -90C, scheduled for 161/18:53 UTC
  - OR 18477-0 submitted to clear WFC3 event flag 8 to enable UVIS TEC commanding to occur from the SMS. First uplink opportunity 161/18:53
  - OR 18479-1 submitted to enable TECFIRE with nominal setpoints. First uplink opportunity 162/02:42 UTC
  - SMS commanding to continue TEC cooldowns scheduled to begin 162/17:00 UTC

Science: SDeustua
- Nothing to add

Engineering, SSwain.
- Status
  - Operate, FUV Operate/HVLow
  - Vacuum gauge ~3.4e-6 torr
  - FUV initial HV turn-on visits 5 and 6 (Part 3-2) completed nominally
    - OR 18498-0 successfully completed 159/13:13 UTC to clear COS event flag 3 after FUV visit 3/4 completed
    - FUV ramped to HVNom at -5010/-4963 V on segments A & B
    - DCE memory dumped
    - 5-min dark, 250-second PtNe G160M exposures taken
    - FUV returned to HVLow at 159/23:54 UTC

Forward Plan
- NUV detector darks scheduled 160/20:16 UTC
- FUV initial HV turn-on visits 7/8 (Part 3-3) scheduled 161/19:24 UTC
  - OR 18502-0 submitted to clear COS event flag 3 to allow FUV commanding to proceed pending concurrence from COS Science Team/STScI
- COS-to-FGS Alignment part 1 scheduled for 162/03:47 UTC (First external observation)

Science, TKeyses/SOsterman/JMcPhate
- FUV HV ramp diagnostics are nominal.
  - HV current histograms nominal
    - no indications of transient behavior.
• PHDs nominal
  o PHD shift agrees with shift for same delta HV seen in data taken during FUV02 sub-system TV (Jan 2003).
• Background rates slightly lower than at HV = 154/151 (visit 3)
• Count rate in wavecal spectra slightly lower than at visit 3.
• Recommend ops request to clear event flag 3
  o continue with next step in FUV HV turn-on procedure (on Wed afternoon)
• For more details, see attached COS_SMOV_update_09June2009

  o FGS/OTA
    ▪ Status
      • All hardware nominal, no HSTARs submitted.
      • 7 successful Acquisitions/Reacquisitions
        o 1 Acquisition awaits ETR telemetry.
      • Mini-Alignment (11458)
        o all Astrometry was examined from the ETR dump
        o every target was acquired in FL and maintained it.
      • 8 FGS 2 Fine Locks preceeding the 9 POL TRANS mode were successful. 1 is pending ETR telemetry.
      • FGS 1 servo maintenance was uneventful.
    ▪ Up-coming 24 hours
      • 6 GSACQs, 4 Reacqs and the 6 remaining POL
      • The 68-minute FGS 2 POS mode is also scheduled.

  o ACS
    ▪ Engineering
      ▪ Status
        o Operate, WFC/SBC LV On
        o Tiger Team convening on the WFC CEB-R output drain voltage
          ▪ WFC CEB-R to be left in current state with infinite flush enabled, pending completion of further analysis of the output drain voltage behavior
      ▪ Forward Plan
        o Post-BEA UV check scheduled 162/20:55 UTC

    ▪ Science. LSmith
      • No report (participating in tiger team)
    ▪ Tiger Team
      • Tiger Team will provide a status report in a splinter session after tomorrow morning’s SMOV meeting.

  o STIS
    ▪ Engineering
      ▪ Status
        o Operate/CCD On,MAMAs 1&2 LVOn (SAA cycling)
        o Visit 1 of 4 for the MAMA1 (NUV) HV recovery completed 159/20:45 UTC
      ▪ Forward Plan
        o CCD daily darks & bias monitoring continuing 160/17:53 – 20:24 UTC
        o FUV darks scheduled for 160/19:26 – 161/05:30 UTC
Visit 2 of 4 for the MAMA2 (NUV) HV recovery scheduled for 160/21:40 UTC
  • OR 18503-0 submitted to clear STIS event flag 3 for MAMA2 Checkout Part 2
Visit 3 of 4 for the MAMA2 (NUV) HV recovery scheduled for 162/17:22 UTC
  • OR 18504-0 submitted to clear STIS event flag 3 for MAMA2 Checkout Part 2
Visit 4 of 4 for the MAMA2 (NUV) HV recovery scheduled for 164/17:15 UTC
  • OR 18505-0 submitted to clear STIS event flag 3 for MAMA2 Checkout Part 2

- Science, CProffitt
  • CTE Analysis (DLennon)
    o Results appear consistent with our pre-repair CTE estimates
    o Full recalibration will require additional observations, currently included as part of cycle 17 calibration plan
    o For more details, see the attached STIS_SCI_SMOV_9jun2009

- NICMOS/NCS
  • Status
    - Safe
    - NCS remains Safed
  • Forward Plan
    - No changes

- P&S Status
  • Calendar/SMS builds
    - SMS166
      • Science recorder overflows in part of the week
        o Being worked
        o Potential for some visit rescheduling
    - SMS173
      • MAT LEI in 173
      • STIS CCD science to start no earlier than sms173
  • Replans
    • ACS Tiger Team results have the potential for a replan
    • Also potential intercept sms for this week

- Operations
  • FOT
    - No HSTARS
    - Ops Requests Completed:
      • 18498-0: Clear COS Event Flag 3 after FUV Initial Turn-on Part 3-1 Completes @ 159/13:41Z
      • 18476-0: WFC3 Transition Heaters From Protect to Normal @ 159/18:20Z
      • 18500-0: Delete Proc Access @ 159/20:17Z
      • 18501-0: Dump Tables 212 & 213 @ 159/22:13Z
• 18396-0: Ephemeris Uplink Override (Generic) @ 160/00:25Z
  ▪ Upcoming supports declared critical for WFC3 cooldown monitoring
    • 161/19:44:00 - 161/20:14:20 TDW
    • 161/20:38:54 - 161/21:14:29 TDE
    • 162/18:01:33 - 162/18:42:40 TDW
    • 162/19:49:45 - 162/20:36:44 TDW
    • 162/20:37:16 - 162/21:12:45 TDE

  o PACOR: BPatel
    ▪ From June 8 (8am) to June 9 (8am), Pacor-A received one event with fast-track observations. The data was processed and delivered to OPUS without any problems.

  o OPUS
    ▪ Continuing to fast-track science data, with data for STIS proposal 11351 coming tonight. Also planning to install quick-fix 2009.2c after today’s status meeting, which will allow us to process and archive three WFC3 exposures for proposal 11454 which errored in calibration on 5/29.

  o Archive
    ▪ Nominal