- **Summary:** Observatory and instruments continue to perform nominally and according to plan. COS and STIS high-voltage ramp-ups are proceeding nicely. Some preliminary analyses of STIS internals have been done. The first scheduled FGS2R2 AMA adjustment was performed successfully. Operations continue to be busy, but relatively smooth.

*Note: Following this meeting, the SMOV Management Team met and gave formal approval for the truncation of the ACS Optimization Campaign after Iteration 4 ending on June 14. [cpb]*

- **Observatory Status**

  - PCS/SAC
    - Nominal.
  
  - EPS
    - Nominal (SKrol)
    - Coming up on a Beta peak and a 67-minute orbit day
  
  - TCS (JAbel)
    - Beta Peak ~ 52 deg.
    - Sun Angle ~ 138 deg
      - Late Thurs, Sun angle changes to ~ 58 deg (switch to BEA-N)
    - Bays 5, 8, 10 – temperatures look good
    - STIS MEB1 temp remains ~ 5 deg higher than expected
  
  - I&C
    - Nominal
  
  - DMS
    - Nominal.
  
  - 486FSW
    - Nominal
  
  - SAFING
    - Nominal. EMoy.
  
  - SIC&DH & P/L FSW
    - Nominal B-side operation continues
    - 76 SBEs (3 since last meeting)

- **SI Status**
- **WFC3**
  - WFC3; Protect Operate, waiting for BEA end.
  - **Engineering**
    - Nominal
      - Awaiting PI decision to proceed with normal operations after 21-day Protect period
      - Ops Briefing for TEC cooldown operations
        - Scheduled for Friday morning
    - **Science**
      - No change.

- **COS**
  - Engineering. SSwain.
    - Status: Operate/FUV Operate.
    - Vacuum gauge ~3.9e-6 torr
    - OR 18469-0 successfully completed at 153/13:47 UTC to clear COS event flag 2 between parts 2 and 3 for the NUV HV ramp
    - **Forward Plan**
      - NUV initial HV turn-on Part 3 scheduled for 154/17:50 UTC
      - NUV Fold Test scheduled for 155/17:51 UTC
      - OR to be submitted to clear COS event flag 2 between Part 3 and the NUV Fold Test between 154/19:05 and 155/17:42 UTC
      - COS FUV initial HV turn-on (1 of 13) scheduled for 155/21:05 UTC
    - **Science**

- **FGS/OTA**
  - Engineering (ABradley, DCrain, L Abramowicz-Reed)
    - Status; All hardware nominal
    - One new HSTAR #11861.
      - the GSACQ1,3,3 failed to FL Back-up on FGS 1.
      - Star is under analysis. Both previous uses were successful.
      - Ops Note 1843 details further use of this Guide Star for Gyro Bias Computation.
    - 7 successful Acquisitions
    - 1 FGS 2 ITS and 8 TRANS Mode Observations with FGS 2 to support the AMA move
    - The 2 previous Acquisitions that were pending ETR telemetry were successful.
    - There are 3 new Acquisitions pending ETR telemetry.
    - **Up-coming 24 hours:**
      - 5 GSACQs (Guide star pairs) and 1 set of TRANS Mode scans with FGS 2
      - 1 GSACQ (Single star – FGS 3) for an Astrometry Science Observation.
      - An initial look at the FGS-3 A-Servo Coarse Track Bumps included in the attached:
        - *SMOV-OTA-June 3*
      - The 1st FGS2R2 AMA Move was executed 153/21:42–21:55.
      - Analysis of the ITS test that executed 154/00:07-00:25 has been completed after the FOT scheduled and completed an engineering recorder dump.
The expected changes in the ITS FL position were 1.20 and 12.67 a-s, in X and Y, respectively, with both in the positive direction.

The actual change in the ITS FL position was 0.810 and 13.547 a-s, in X and Y.

The attached JPEG files show sample S-Curves for star A (GSC2ID=S7G9000476) in Ctr/583W filter before and after the AMA move.

- $S_{Curves\_GSID}\_S7G9000476\_before\_AMA\_Move1$
- $S_{Curves\_GSID}\_S7G9000476\_after\_AMA\_Move1$

It should be noted that the GSAcq which took place in LOS immediately preceding the AMA Move was seen to have gone to FLBU(1,0,1) from the planned (1,3,3) at AOS.

• The FOT has dumped the Engineering recorder for analysis of this anomaly (HSTAR 11861).

• Report from Linda Abramowicz-Reed/Goodrich is also attached.
  - **AMA Move June 3**

• A SMOV Focus update from Matt Lallo is attached:
  - **SMOVfocusMorningReport ML 03Jun09**

• Up-coming 24 hours:

  • **ACS**
    - Engineering. SSwain.
    - Status; Operate/SBC LV
    - ASIC FSW values updated based on analysis of initial Oscilloscope data via OR 18471-0
      - completed at 153/17:55 UTC
    - Optimization Campaign Iteration 2 began 154/00:15 UTC
    - Forward Plan
      - Second End BEA check scheduled 156/06:32 UTC

    • **Science. LSmith**
      - Optimization Campaign Iteration 3 scheduled for 159/01:00 UTC

  • **STIS**
    - Engineering. SSwain.
      - Status
        - Operate/MAMAs 1&2 LVOn (SAA cycling)
        - OR 18466-0 successfully completed at 153/14:28 UTC to clear STIS event flag 2
          - to allow the MAMA1 HV commanding to proceed with Part 2
        - Generic OR 18473-2 submitted
          - to handle any further MCE reset events via ROP NS-14 during SMOV MAMA activities
      - Forward Plan
        - Visit 2 of 4 for the MAMA1 (FUV) HV recovery (Part 2) scheduled for 154/22:36 UTC
        - Visit 3 of 4 for the MAMA1 (FUV) HV recovery (Part 32) scheduled for 156/20:56 UTC
OR 18467-1 submitted to clear event flag 2 to allow MAMA1 HV commanding to proceed with Part 3
See also below for upcoming science-related activities

- Science – CProfitt
  - Preliminary results from the STIS anneal and the associated pre-and post-anneal darks, biases, and flats are presented in the attached slides: *stis_03june2009_report*
    - The dark current and number of hot pixels may be significantly higher than a simple extrapolation of the pre-repair side-2 data would predict.
  - Upcoming activities include:
    - Wednesday, June 3:
      - STIS06 CCD Functional
      - STIS08 Aperture Wheel and Lamp tests
      - Check first to see if HITM1 showing flaky behavior
      - STIS10 CCD Format Verification (selected wavecals)
      - STIS09 STIS-to-FGS alignment (First external visit)
        - Dump scheduled for 10pm tonight
        - Would like to see data by 7:30 am tomorrow
        - FUV MAMA recovery, 1st partial high voltage ramp-up
    - Thursday
      - STIS-11 External Focus Check
    - Friday
      - STIS-13 Spectroscopic Image Quality
    - Weekend
      - Completion of FUV MAMA recovery

- NICMOS/NCS
  - Status
    - ESM in Operate
    - TPS ~1.1e-6 torr
    - PCE enabled for telemetry monitoring
    - NCS CPL in Standby at -34 degC
  - Forward Plan
    - Draft OR 652-0 submitted to eventually transition NCS CPL from Standby to Startup (no formal plan to pursue this yet)

- P&S Status
  - Calendar/SMS builds (No change)
    - SMS166 is currently in work
  - Replans (No change from yesterday)
    - SMS09166 will contain
    - STIS activities resulting from the earlier one-week start-up delay.
    - Investigation of possible ACS advances afforded by a curtailed OC.

- Operations
  - FOT
    - Nominal
- Completed Ops Requests:
- Ops Notes Executed:
  - PACOR (BPatel)
    - From June 2 (8am) to June 3 (8am), Pacor-A received five events with fast-track observations.
      - The data was processed and delivered to OPUS without any problems.
  - OPUS
    - Started fast-tracking data for iteration 2 of the ACS optimization campaign (proposal 11810) late last night, and continuing today. Tonight data for COS proposal 11355
    - STIS proposal 11350 will also be fast-tracked.
    - There was a small delay in processing some COS data through OTFR yesterday
      - due to having to change a line in a configuration file to prevent an error in calibration.
  - Archive
    - Nominal