Summary: WFC3 UVIS/IR detector calibrations are ongoing, in preparation for EROs starting next week. COS target acquisition parameters are being successfully determined. The COS FUV “first light” observation has executed. The plan forward for STIS is still under study. Plans for re-starting the NICMOS Cooling System are in place for July 16. The ACS ERO is scheduled for July 16; ACS SMOV is otherwise complete. The spacecraft continues to provide a stable platform for the staging of the science commissioning portion of SMOV.

- Observatory Status
  - All subsystems nominal

- SI Status
  - WFC3
    - Engineering
      - Status
        - Operate
      - Forward Plan
        - UVIS Shutter Test 195/13:42 – 195/18:36 UTC
        - IR Photometric Zero Points 195/20:00 UTC
        - UVIS Contamination Monitor 195/22:00 – 196/03:19 UTC
        - UVIS Bowtie Test 195/03:21 UTC
        - UVIS Plate Scale 196/12:12 – 196/21:13 UTC
        - UVIS Dark, Read Noise, CTE 196/21:13 UTC
        - UVIS Bowtie Test 196/22:20 UTC
        - IR Dark, Read Noise, Background 196/23:20
    - Science: JMcKenty
      - UVIS/IR photometric zero-point analysis is ongoing
        - See attached WFC3_SMOV_Science_14July

  - COS
    - Engineering
      - Status
        - Operate / FUV Operate / NUV HVSSA
        - OR 18621-0 successfully completed at 194/14:24 UTC to update the COS Aperture mechanism positions
      - Forward Plan
        - NUV Detector Darks 195/20:06 UTC
        - FUV Darks 196/03:42 UTC
        - NUV Alignment and Focus Monitor 196/22:10 UTC
    - Science: TKeys
      - Quicklook analysis of visit 99 program 11469 observations
        - All appears nominal.
        - The initial pointing agreed well with the other pointings we have obtained with this use-offset.
        - MIRRORA and B images were nominal
        - all PSA spectra are of sufficient quality to determine target-acq quantities
        - subsequent target acq testing
          - validated ACQ/PEAKD
• yielded some interesting data on ACQ/PEAKXD that we need to carefully analyze
• confirmed that the full dispersed-light sequence of TA placed the target within the sweet spot area of the aperture.
• Will analyze the TA in detail today or tomorrow.
• Matt Lallo reported on the ~0.25 arcsec guidestar position discrepancy between 1146903 and 1146993 on day 184 (See 06Jul09 COS report attachment)
  o Pointing for visit 93 was identical to visit 3, but used different guide stars
  o the earlier astrometry (11469 visit 3, with the 1st astrometric dominant guidestar) is the set most likely to be in error
  o the subsequent visit 93 (on the 2nd astrometric dominant guidestar) is probably the more reliable one.

○ FGS/OTA
  • FGS - Nominal
  • OTA
  • SIAF updates for COS and WFC3 now need to be done concurrently
    o Goal to install both for the SMS215 (Aug. 3)
    o Matt L. to check with Ginger Mo to verify feasibility of workload
  • Secondary Mirror (SM) move
    o Now scheduled for day 201 (July 20)

○ ACS
  • ACS SMOV is complete.
    o Data analysis continues
  • ACS ERO is scheduled for July 16
  • ACS report to this meeting no longer required
    o Except for significant developments, positive or negative

○ STIS
  • Engineering
    • Status
      o Suspend (as reported in June 10 meeting notes)
    • Forward Plan
      o Under discussion
  • Science. CProffitt
    • Nothing to report

○ NICMOS/NCS
  • Status
    • ESM in Operate, PCE Enabled
    • TPS ~5.5e-7 torr
    • OR 18602-0 executed eight times thus far, placing the CPL reservoir setpoint at +15 degC
      o MNPTAILT = 272.36 K
      o MNCIHSGT = 272.27 K
      o MNHTREJT = 16.06 degC
  • Forward Plan
    • NCS Recovery
      o Final pre-start CPL management ~15 July
      o NCC restart ~16 July
Delta Ops Briefing was held yesterday afternoon.

- **P&S Status**
  - Calendar/SMS builds
    - SMS201
      - Finals mode TDRS work
      - "hole" for SM move on day 201
    - SMS208
      - "hunting and gathering" (of visits) continues
      - Will contain the rest of WFC3 EROs and image quality measurements
  - Replans
    - None

- **Operations**
  - FOT
    - Nominal
  - PACOR
    - From July 13 (8am) to July 14 (8am), Pacor-A received five events with fast-track observations.
      - The data was processed and delivered to OPUS without any problems.
  - OPUS
    - No new issues
    - More data for COS proposal 11492 will be fast-tracked later this morning.
  - Archive
    - Nominal