**SMOV Status & Planning Meeting Notes**  
**7/15/09**

- **Summary:** WFC3 alignments with the FGS frame and photometric zero-point analyses are ongoing with nominal intermediate results. COS FUV “first light” (a SMOV quick-look sensitivity check (1149201)) went very well. Anomalous Acq/peakxd behavior, possibly relating to plate scale, is under investigation. The STIS tiger team meets this morning. NCS restart is still planned for this week pending achievement of correct starting temperatures for TA inlet and Circulator housing. All spacecraft subsystems are nominal.

- **Observatory Status**
  - All subsystems nominal

- **SI Status**
  - **WFC3**
    - **Engineering**
      - **Status**
      - Operate
      - **Forward Plan**
        - 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
        - UVIS Internal Flats 197/00:58 UTC
        - IR Flatfield Uniformity 197/02:03 UTC
        - UVIS Internal Flats 197/05:50 – 07:25 UTC
        - UVIS Bowtie Test 197/07:30 UTC
    - **Science:** JMcKenty
      - 11442 FGS to UVIS Alignment
        - Preliminary analysis: -2.3" by -0.9"
      - 11443 FGS to IR Alignment
        - Preliminary analysis: -5.0" by -3.3"
        - Larger offset due to required motion of correctors during alignment
      - 11450 UVIS Zero Points
        - Preliminary look at UVIS Shutter induced jitter (Blade A/B issue)
        - Delta mag inside 2 pix radius ~2% and inside 3 pix ~1%
        - Sharpness change <6%
        - Not radically different from TV3 experience
        - Detailed test next week (11798)
      - 11451 IR Zero Points – P330E and GD153 standard stars (Visits 11,21)
        - Target was close (2.5") to corner but OK – analysis ongoing
  - **COS**
    - **Engineering**
      - **Status**
      - Operate / FUV Operate / NUV HVSA
• NUV Alignment and Focus Monitor 196/22:10 UTC
• FUV Darks 197/13:40 UTC
• V1 FUV Sensitivity 197/15:31 UTC
• FUV Darks 199/00:15 UTC

### Science. TKeyes
- Program 11492 visit 1, the COS FUV quicklook sensitivity and FUV "first light" went very well yesterday.
  - The NUV dispersed light target acquisition sequence performed well.
  - FUV sensitivities are close to the TV03-predicted values
    - i.e., the values used in the COS ETC for cycle 17)
  - In various regions the measured sensitivity ranges from 10-20% greater than predicted to about 10% less than predicted
    - all nominal.
  - There is a very modest sensitivity to light on G140L segment B (1000-1150 Angstroms)
    - will characterize further later in SMOV
  - First FUV target acquisition tests also performed in this program.
    - Apparently there are problems with FUV ACQ/PEAKXD most likely relating to plate-scale.
    - We will investigate that today
      - All critical-path observations on the 201 and 208 use NUV dispersed light acquisitions
      - although there are additional get-ahead tests of the FUV TA capabilities.
    - Today we will deliver a variety of updated target acquisition parameters to Alan for inclusion on the 201 SMS upload.
- Program 11469 visit 95 - fine focus-sweep
  - Will execute late this afternoon.
  - The appropriate USE OFFSET (for genslew) has been submitted
    - an ops request is being generated.
    - This is the last USE OFFSET for inclusion the current 194 SMS
- There will be a number of additional USE OFFSET submissions for the 201 SMS
  - Will provide a summary list tomorrow
  - Begin submitting them on Thursday and Friday.

- FGS/OTA
- ACS
  - ACS SMOV is complete.
  - ACS report to this meeting no longer required
    - Except for significant developments, positive or negative

- STIS
  - Engineering
    - Status
      - Suspend (as reported in June 10 meeting notes)
    - Forward Plan
      - Under discussion
  - Science. CProfitt
    - Nothing to report
- Tiger Team meets this morning
- Possible briefing to Project on forward plan tomorrow

  - NICMOS/NCS
    - Status
      - ESM in Operate, PCE Enabled
      - TPS ~5.3e-7 torr
      - CPL reservoir setpoint remains at +15 degC
        - MNPTAILT = 273.71 K
        - MNCIHSGT = 273.63 K
        - MNHTREJT = 16.06 degC
    - Forward Plan
      - NCS Recovery
        - Pending above temperatures reach 275-278 degC for 12 hrs
          - Final pre-start CPL management ~15 July
          - NCC restart ~16 July

- P&S Status
  - Calendar/SMS builds
    - SMS201
      - Built but awaiting COS instruction updates (trg acq parameters)
    - SMS208
      - Calendar is built
  - Replans
    - STIS
      - If decision to proceed, it may be possible to provide a 201 intercept next week.

- Operations
  - FOT
    - Nominal
  - PACOR
    - From July 14 (8am) to July 15 (8am), Pacor-A received one event with fast-track observations.
      - The data was processed and delivered to OPUS without any problems.
  - OPUS
    - No new OPUS issues to report
    - We will be fast-tracking data tonight for COS proposal 11469.
  - Archive
    - Nominal