SMOV Status & Planning Meeting Notes
7/31/09

- **Observatory Status**
  - All subsystems nominal

- **SI Status**
  - **WFC3**
    - **Science** (SDuestua)
      - The Bowtie phenomenon is exhibiting no detectable evolution over time and is repeatable across anneal cycles.
      - Last week’s Jupiter observation (12003) has been put to good SMOV use for characterizing quad-filter behavior, fringing and distortion effects.
      - PSF core modulation (shutter-induced jitter)
        - Data obtained from 5 of 6 orbits
          - Being analyzed
      - UVIS SAA Passage (11448)
        - Detector behavior is nominal.
      - For details on all of above, see the attached *WFC3 SMOV_Science_31July_b.*
  - **COS**
    - **Science**. TKeyes
      - NUV flat field exposures
        - The deuterium lamp is showing some degradation after a total of 18 hours of high-current operation in SMOV.
      - NUV/FUV wavelength calibration/analysis continue
        - NUV external wavecals (11474)
          - Initial analysis results are nominal
          - Analysis may result in encoder-position updates before Tues afternoon observations.
        - NUV External Wavecals (11474)
          - Experience a DIB data overflow
            - Resulted from miscalculated buffer time in the proposal.
            - Overflow data is lost
            - No impact to instrument
            - No impact to test or analysis
      - The SIAF update corresponding the SMS215 should eliminate any further need for USEOFFSETS
      - For details, see the attached *COS_SMOV_update_31July2009.*
  - **FGS/OTA**
    - Nominal
  - **ACS**
    - ACS SMOV is complete.
  - **STIS**
    - **Science**. CProffitt
• 11351 NUV MAMA High Voltage Ramp-Up – Visit 3 of 4
  o Voltages and currents appeared nominal
  o Some evidence of higher-than-expected dark rate possibly due to high window glow
• 11351- Last stage of high voltage ramp-up scheduled for today
  o High dark/window_glow has potential for aborting the procedure
    ▪ No health and safety concern, so consensus is to proceed
• NUV MAMA darks and internal wavecals following the high-voltage recovery.
• For more details, see the attached stis smov report 31july2009
  o Also contains CTE/Sensitivity analysis report from PGoudsfroij

  o NICMOS/NCS
    ▪ NCS safed at 210/01:54, a little more than 12 hours after the restart attempt
    ▪ Forward Plan
      • Retry on Fri/Sat when the TA inlet temperature reaches 230K.

- P&S Status

  o Calendar/SMS builds
    ▪ SMS215 is delivered
    ▪ SMS222 is drafted
      • Orbits are oversubscribed
        o Trade-offs will be discussed after this meeting

  o Replans
    ▪ None

- Operations

  o FOT
    ▪ Nominal

  o PACOR
    ▪ Nominal
    ▪ No fastrack activities

  o OPUS (TEllis)
    ▪ Many associations for COS proposal 11474 are encountering an arithmetic overflow
      • in the last step of the prearchive science pipeline, where the DADS catalog updates are performed.
      • All of the data for this proposal are being fast-tracked, and the problem is under investigation.
      • Also trying to find a way to process a Q/S split COS/NUV flat field exposure (la8122eb) for proposal 11478.
    ▪ In the next 24 hours we will be fast-tracking data
      • COS proposal 11487
      • STIS proposal 11351.
    ▪ Ops requests have been submitted for all of the "use offset" genslews
      • scheduled to execute this week for several COS proposals
    ▪ Quick-fix 2009.2h installed on Thursday
• new versions of CALNICA (PR 63077) and MultiDrizzle (PR 63153)
  
  o Archive
    - Nominal