SPACE TELESCOPE SCIENCE INSTITUTE

FOS

Summary: 16 September - 22 October 1996

Instrument: Nominal operation (1 new dead diode identified)
Acquisition: 55 total; 3 failures; 1 GS LOL; one 8-steps to success
Science: 38 GO/GTO programs; 4 visits lost
Calibration: 6 programs (Darks, YBASEs, Wavecals, Polarimetry, Photometry)
Other:

IS Reviews: 11 completed.
Paper Product Reviews: 25 completed, 9 pending.

Instrument Status (16 September - 22 October 1996):

FOS instrumental operation nominal

- 1 dead diode identified (FOS/RD 154, affects pixels 612-632)
  - commanding and dead diode table (DDT) updates in process
- FOS/RD G400H flat field change - new flat to be delivered
- fastest RAPID ever (60 minutes of 0.035 sec readouts) succeeded
- PERIOD mode observations obtained
- pointing near Moon successful

Target Acquisition Problems:

- two crowded field failures(6831 and 6696)
  - algorithm aborts rather than return to brightest
  - all subsequent science exposures off targets
- one target too faint (6589); GO coord error
- one guide star loss-of-lock (GS LOL) (6799); all exposures lost
- one 8-steps to success (6823); all OK
  - algorithm iteration limit exceeded - required correction ~0.02 arcsec