

Instrument Status Summary:

- FOS continues to function well
- July OVERLIGHT event has no measurable effect on instrumental sensitivity
- Flat Field analysis continues
- All delivered flat and DDT reference files reviewed and time-tags updated as necessary
- Cycle 2 Calibration Plan approved; execution underway
- GIM correction test scheduled for SMS 92300
- TIB reviewing all Cycle 2 proposals to assess impact of onboard GIM correction on science return
- FOS-determined HST blind-pointing ≤ 1.0 arc sec for 64% of all FOS ACQs

FOS Calibration Activities: 17 September - 7 October 1992

- 4059 - Cycle 2 Absolute Photometry Monitor
- 4097 - Y-base Determination
- 4211 - Aperture Throughput Measurement
- 4242 - GIM Engineering Pre-test

Week	Proposal	Exposures	Results
Sep 21	4059	11	Successful
Sep 28	4242	50 (internal)	Successful
Oct 5	4211	30	Successful
Oct 5	4097	08 (internal)	Successful

TIPS: 10/8/92
FOS

FOS Science Activities: 17 September - 7 October 1992

- 16 proposals; 56 exposures; ACQs: 13 BIN, 3 PEAK, 0 FIRM attempted
- 15 proposals; 55 exposures; ACQs: 12 BIN, 3 PEAK, 0 FIRM successful

Science exposure time lost: 2034 sec.

Data Analysis and CDB Updates:

- Comparison of pre- and post-Jupiter-OVERLIGHT safing flux measures of photometric standards shows no sensitivity change at 3% level; IVS preparation and comparison soon
- Improved analysis of Cycle 1 Calibration Program flats
- PODPS, re-processing, and GETREFFILE reference file discrepancies identified; strategies for resolution implemented
- GIM pre-test analysis in progress
- HST blind-pointing analysis
 - 64.2% of all FOS ACQs within 1 arc sec
 - analysis by ACQ type and date is forthcoming

