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 $\leq 1.0$ 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

<table>
<thead>
<tr>
<th>Week</th>
<th>Proposal</th>
<th>Exposures</th>
<th>Results</th>
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<tbody>
<tr>
<td>Sep 21</td>
<td>4059</td>
<td>11</td>
<td>Successful</td>
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<tr>
<td>Sep 28</td>
<td>4242</td>
<td>50 (internal)</td>
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<td>Oct 5</td>
<td>4211</td>
<td>30</td>
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<td>Oct 5</td>
<td>4097</td>
<td>08 (internal)</td>
<td>Successful</td>
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</table>
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