Instrument Status Summary:

- FOS continues to function well
- Flat Field monitoring continues
  
  SV flats described by ISR CAL/FOS-075
  
  BLUEside stable to about 1%
  
  REDside flats show granularities on range $\lambda\lambda_{1800-2100}$ A,
  
  which have grown at about 10% per year
- IVS described by interim ISR
  
  REDside stable to 5% between 1991.0 and 1992.2
  
  BLUEside gray degradation at approximately 10% per year
- Geomagnetically-induced image-motion problem (GIMP) well understood currently corrected in PODPS pipeline; onboard correction after 9/92
- Onboard ACQs functioning well; ACQ/BIN accuracy $\leq 0.25$ arc sec
- FOS-determined HST blind-pointing $\leq 1.0$ arc sec for 75% of all FOS ACQs
FOS Calibration Activities: 10 April - 7 June 1992

- 2817 - Y-base Map and Monitor
- 3975 - Redside Flat Field Monitor

<table>
<thead>
<tr>
<th>Week</th>
<th>Proposal</th>
<th>Exposures</th>
<th>Results</th>
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<tbody>
<tr>
<td>April 13</td>
<td>2817</td>
<td>16</td>
<td>Successful</td>
</tr>
<tr>
<td>April 20</td>
<td>3975</td>
<td>03</td>
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<tr>
<td>May 25</td>
<td>3975</td>
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----- No other calibration activity -----
Documentation and Reports:

- FOS Instrument Handbook v2.0 (April, 1992)  
  --- A.L. Kinney

- FOS ISR CAL/FOS-075 "FOS Spectral Flats"  
  --- S.F. Anderson

- FOS interim ISR "Photometric Calibration of the FOS"  
  --- J.D. Neill, R.C. Bohlin, and G. Hartig
Data Analysis and CDB Updates:

- Continuing analysis of ALL flats with emphasis on REDside granularity.

- Monthly delivery of time-tagged REDside flats for G190H, G270H, and G160L.

- Delivery of time-tagged IVS reference files.

- HST blind-pointing analysis continues --- better than 1 arc sec for 75% of all ACQs
Other Items:

• 81 Cycle 2 Phase 2 proposals reviewed to date.

• FOS onboard ACQ continues routine and reliable given reasonable knowledge of target energy distribution.
  --- 0.25 arc sec ACQ/BIN or better