TIPS: 6/11/92
FOS
Keyes

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 λλ1800-2100 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 ≤ 0.25 arc sec
- FOS-determined HST blind-pointing ≤ 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

Week	Proposal	Exposures	Results
April 13	2817	16	Successful
April 20	3975	03	Successful
May 25	3975	03	Successful

----- 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

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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