INSTRUMENT STATUS SUMMARY:

- FOS has experienced no target acquisition failures since the last TIPS, except in the case when the Guide Star Acquisition failed. The success of the FOS target acquisition is due to the new policy of requiring peak-ups in place of binary searches for variable objects, extended objects, and objects of unknown spectral type.
- There have been only one Guide Star Acquisition failure, causing FOS target acquisition failure on day 73. The failure took place during GO program 2563.
- Lost two observations from proposal 4221 (GTO) due to HST safing.
- The Geomagnetically Induced Image Drift On-Orbit has gone into affect on day 93 (April 3th).
- The ongoing HST blind-pointing analysis shows that 67.9 % of all FOS ACQs within 1 arc sec of nominal pointing.

FOS CALIBRATION ACTIVITIES: March 8th to April 7th.

- 4097 - Location of Spectra: Y-Base Maps: Executed the week of March 22. Program was run successfully.
- 4098 - Discriminator Test: Executed week of March 8. Program was run successfully.
- 4099 - Focus, X-Pitch, Y-Pitch: Executed on day 69 and 70 (week of March 8).
- 4123 - Spectral Flat Fields Monitor: This program monitors the red side detector. Excecuted the week of March 29. Despite some initial concerns regarding the target (G191-B2B) position and the new solar constraints, the program ran successfully.
- 4698 - Dark Noise Monitoring: Executed week of March 8 and March 15. In depth analysis is being conducted by T. Keyes. One noisy diode was found on the blue side. The order to disable has been submitted.
- 4699 - Spectral Flat Field: Executed the week of March 29. The redside program was run successfully, but the blueside had some complications.

CDB UPDATES:

- Unity flats for the barred and blank apertures were installed for both the red and blue sides.
- The inverse sensitivity reference files were corrected to unity for the paired and barred apertures for both sides.

PODPS UPDATES:

- Build 31.1 was tested and an error was found which affects spectropolarimetry pipeline reduction. This error will be fixed with Build 31.1. Build 31.0 does contain this error.

PUBLICATIONS:

- CAL/FOS-088: The FOS Super Flats, by D. Lindler, R. Bohlin, G. Hartig, and T. Keyes.
- CAL/FOS-090: FOS Flat Feild Reference Files: A Quick Reference Guide, by T. Keyes and C. Taylor.

OTHER ITEMS:

- In response to the report of the Space Telescope Users Committee, a flat field working group had their first meeting on March 18 at STScI. A number of recommendations were made by the committee, including recommendations concerning communication between STScI and the GO community. The minutes of the meeting can be obtained from A. Kinney.
- The Phase II, Cycle 3 GO proposals have been reviewed. Of the 67 done by APK and TK, 27 will have to be seen again for one reason or another (most commonly due to required changes from ACQ/BIN to ACQ/PEAK).
- The flat field reference file summary table (flat field tables apr93.ps) has been posted on STEIS.

- The redside superflats developed by Lindler, Bohlin, Hartig, and Keyes are available in CDBS only. Currently only to be used for verifying blemishes and spectral features.

FOS POINTED HOURS SUMMARY FOR CYCLE 3

- Absolute Photometry Monitor: Primary hrs 19.56
- FOS Spectral Flat Fields and Red Monitor: Primary hrs 27.13
- Internal/External Wavelength Offsets: Primary hrs 9.60
- FOS Polarimetric Calibration: Primary hrs 10.10
- FOS Location of Spectra - Y-Base Maps: Internal hrs 5.20
- FOS Discriminator Test: Internal hrs 4.47
- FOS Focus, X-pitch, and Y-pitch: Internal hrs 7.63
- FOS Internal Wavelength Calibration: Internal hrs 11.10
- Total primary hrs: 66.39 Total Internal hrs: 78.02