OBSERVING SUMMARY May 13 – June 16 1995:

- Instrument: nominal performance.
- Acquisition: 13 peak-up sequences and 4 binary acquisitions successful, no failures.
- Pointing: 68% within 1″.
- Executed programs: 12 GO/GTO proposals, 2 calibration programs.
- Publications and Communications: 6 ISRs.
- Other: $\sim$ 20 IS Reviews completed.

PUBLICATIONS/COMMUNICATIONS:

- CAL/FOS–136 "Post-COSTAR FOS Aperture Transmissions for Point Sources", R. C. Bohlin & L. Colina
- CAL/FOS–137 "SMOV Report VI: FOS Aperture Alignments – I. 'Large Apertures' " I. N. Evans, A. P. Koratkar, C. D. Keyes, & C. J. Taylor
- CAL/FOS–138 "SMOV Report VII: FOS Aperture Alignments – II. 'Small Apertures and Adopted Alignments' ", I. N. Evans, A. P. Koratkar, C. D. Keyes, & C. J. Taylor
- CAL/FOS–139 "SMOV Report VIII: The A–1 – ACQ – INT ACQ – ACQ/BINARY Alignment", I. N. Evans, A. P. Koratkar, C. J. Taylor, & C. D. Keyes
- CAL/FOS–140 "Post-COSTAR FOS 'Small' Aperture Relative Throughputs Derived from SMOV Data", I. N. Evans
- CAL/FOS–141 "The FOS Diode Height", I. N. Evans
- CAL/FOS–142 "Repeatability of the FOS G130H Grating External Wavelength Zeropoint", A. P. Koratkar & I. N. Evans

FOS WAVELENGTH CALIBRATION STATUS:

- Program 5534 – GIM test on FOS/BL just executed. First test since launch.
- CAL/FOS–142 – The geo-coronal Lyα line was used to measure the zeropoint and the repeatability of the wavelength calibration for the G130H grating. A zeropoint offset of about 1.4 pixels (0.35 diodes) was found. The 1σ repeatability is 0.64 pixels (0.16 diodes). This can be explained with filter-grating wheel non-repeatability. Advantage of Lyα: it fills the aperture and is thus independent of the pointing accuracy.
- Reduction of programs 4774, 5535, and 5536: three out of ten epochs of measurements of the post-COSTAR internal wavelength calibration have been evaluated. There is no hint at a systematic change of the wavelength calibration as a result of the deployment of COSTAR. In consistency with ISR 142, all inaccuracies and/or non-repeatabilities CAN be explained with the known limiting factors: filter-grating wheel non-repeatability, aperture wheel non-repeatability, residual inaccuracies after GIM-correction, and y-base uncertainties.