SPACE TELESCOPE SCIENCE INSTITUTE

TIPS: 25 May 1995
FOS
Keyes

13 April - 24 May 1995

Instrument: Nominal operation; FOS/BL HV transition spike on 17 April
Acquisition: 18 successful; 1 failure due to GS Acq failure
Pointing: 64% within 1 arcsec
Science: 10 GO/GTO programs; 1 lost due to GS Acq failure
Calibration: 2 programs
Publications and Communications: 1 ISR, 6 Calibration Workshop presentations
Other: IS Reviews

Activities: 13 April - 24 May 1995

Target Acquisition Statistics:

ACQ Type	Success	Fail	Total	Comments
Binary	8	0	8	
Peakup	10	1	11	GS Acq failure
Total	18	1	19	

Pointing Statistics (Cycle 4 to date):

FOS blind pointings within 1 arcsec: Blueside: 63%
Redside: 65%
Total: 64%

Science Activities:

10 GO proposals were scheduled in the past month
- 1 lost due to GS Acq failure

Calibration Activities:

5537: "Cycle 4: Superflat Spectral Flat Fields" - successful
5658: "White Dwarf Photometric Calibration" - successful

Publications/Communications:

CAL/FOS-135 “FOS Cycle 5 Calibration Plan”,
A. Koratkar, C. Keyes, M. Dahlem, J. Hayes, S. Martin, and J. Christensen.

- new e-mail notification and distribution scheme

Other:

Five IS reviews completed for Cycle 5 programs.

Calibration Workshop Presentations:

"FOS Flat Fields", C. Keyes
- substantial variation over +/-0.2 arcsec from nominal aperture center
- delivery of Cycle 4 low-dispersion flat field reference files in progress

"FOS Dark Measures", J. Hayes
- analysis of all FOS dark measures since launch
  FOS/BL mean ~0.005 counts/sec/diode
  FOS/RD mean ~0.010 counts/sec/diode

"FOS Internal Wavelength Calibration", M. Dahlem
- no pre-COSTAR to post-COSTAR discontinuity; complete analysis of all measures later this summer.

"Update of the FOS Dead Diode Tables", S. Martin and J. Christensen

"Y-Location of FOS Spectra", S. Martin and A. Koratkar
- discussion of all Cycle 4 measures to date; modest updates planned

"Repeatability of the FOS G130H Grating External Wavelength Zeropoint",
A. Koratkar and I. Evans
- measures consistent with F-G Wheel repeatability of 0.1 diode

The SSD FOS Group

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