OBSERVING SUMMARY:

- The FOS proposals 4761, 4762, 4802 and 5243 ran with no problems and showed no changes in the operation of the FOS post-refurbishment.
- Both the FOS blueside and redside were recovered from SAFE mode smoothly (proposal 4761).
- In order to operate the FOS high voltage, it is necessary to ensure that the FOS internal pressure is sufficiently low to prevent high voltage coronal discharge. This check was made in proposal 4762. The FOS ion-guage pressure measurements are below the card restriction.
- Proposal 4802 was run to verify the FOS blueside science data interface and the proper functioning of the FOS. The results show that the dark count rate was 0.0125 counts/sec/diode, which is the same as observed pre-refurbishment. The wavelength calibration showed that the focus had not changed. The emission lines had approximately the same peak values, FWHM and line center.
- Proposal 5243 was conducted to determine the location of the blueside FOS spectra on the photocathode. Observations of 4 grating locations showed that the location of the spectra has not changed from the cycle 3 values. We anticipate no immediate PDB update based on these preliminary analyses.

FOS ACTIVITIES FOR NEXT WEEK

- 4803 - FOS redside: intial operation. Similar to the blueside test.
- 5243 - FOS redside: location of spectra. Similar to the blueside test.
- 4728 - FOS focal plane alignment. To verify that we can acquire targets post-refurbishment and to determine the FOS/FGS offsets.
- 4259 - FOS baseline senitivity measurements. To verify that the FOS sensitivity has not changed.