

Helium shots for initial operation of SWIFT camera

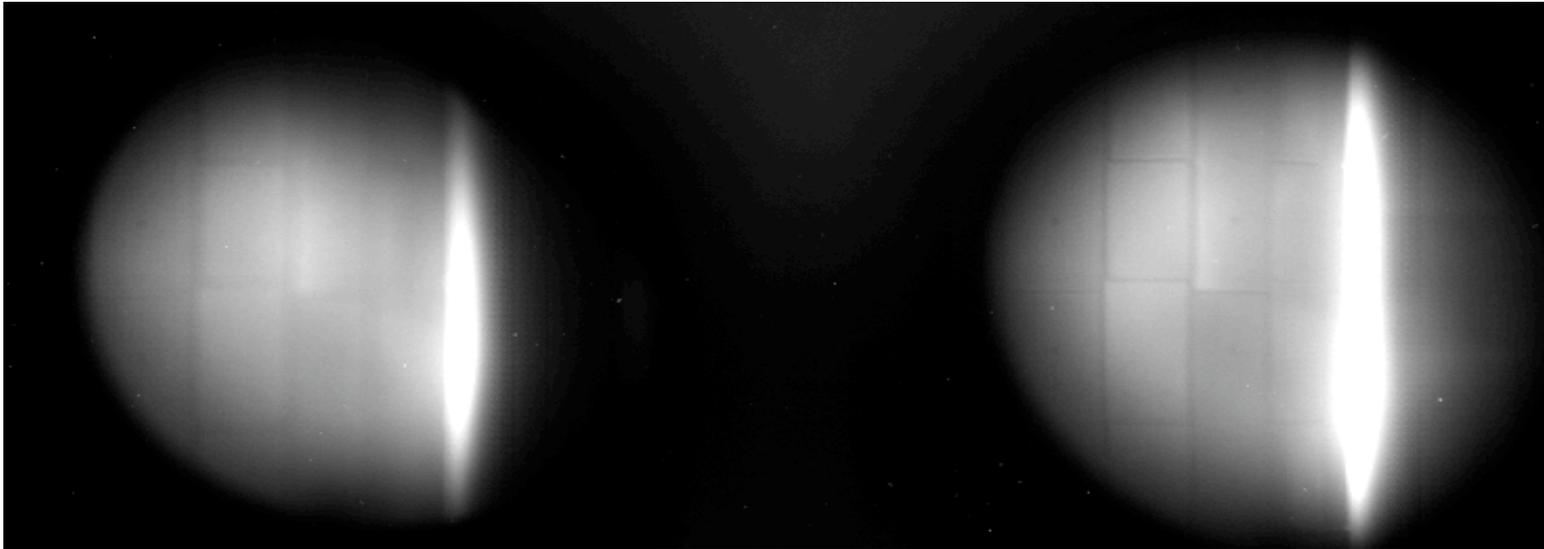
- XMP-56* was completed in a two-hour run on Tuesday evening.
- Five helium discharges with NBI were acquired with the SWIFT diagnostic (shots #129894 - 129898).
- The frame rate on the 12-bit monochrome camera (on loan from Photron-USA) was varied from 250 to 2,000 fps and the discharges lasted 400 msec typically; 100-400 frames per shot were recorded.

Calibration of stereoscopic camera completed.



- This experiment, coupled with the set-up of the SWIFT apparatus, intensity and spatial calibrations, all of which were performed during the previous week (the last week of the outage) resulted in having adequate data for analysis.

5 shots with He were taken



- Because of the sensitivity of the camera to magnetic fields, the shots were taken at 36 kA (3.05 kG) in helium, not a familiar operating regime.
- Nevertheless, 4 MW of NBI was injected and there was adequate light for time resolution as short as .5 msec.

XMP-56 listed as XMP-59 in logbook

- *Please note that I found that XMP-56 was recorded as XMP-59 in the logbook. When I added my comments the following day, I decided to enter them under XMP-59 as well.