

WHAT: BLACK BRANT IX SOUNDING ROCKET

WHEN: DECEMBER 9, 2014

WHERE: WHITE SANDS MISSILE RANGE, NM

PRINCIPAL INVESTIGATOR: DR. KRUCKER/UC BERKELEY

FOXSI

FOCUSING OPTICS X-RAY SOLAR IMAGER

Mission Overview

The Focusing Optics X-ray Solar Imager (FOXSI) sounding rocket tests the fabrication and function of focusing optics for solar high energy X-ray observations in the 4 – 15 keV energy range.

During the approximately five minute of observation time, FOXSI will observe the non-flaring "quiet" Sun and search for non-thermal X-rays from these regions.

Goals:

Demonstrate the use of direct focusing optics for solar high energy x-ray observations.

Pathfinder for future observatories investigating particle acceleration on the Sun.

Search for the signature of energetic electrons in the "quiet Sun".

