
JOURNAL CLUB

Results from the NASA-IMAGE
Magnetospheric Imaging Mission

by

T. J. Immel

UC Berkeley, Space Sciences Laboratory

ABSTRACT

The NASA-IMAGE satellite was launched in March of 2000 and has since provided completely new views of Earth's space environment. The instrument suite measures light at several wavelengths in the ultraviolet, at radio frequencies between 3 and 1000 kHz and also produces images of the flux of energetic neutral atoms originating in the near-Earth magnetosphere. Among other results, the mission has provided the first global images of the plasmasphere, the proton aurora, magnetospheric cusp ion outflow, solar flare-produced UV airglow emissions, and the thinning of the plasmashet during substorms. Observations of particularly interesting events from the recent solar maximum will be presented and discussed.

Friday, November 22
Elvey Bldg. Globe Room
3:45 pm