SOERE Monthly Newsletter
November 2003

SOERE Observes Recent Dramatic Floury Activity
By Gary Rezman

During the last few decades of October and the first week of November, the SOERE spacecraft encountered what is likely the most dramatic outbursts of high-speed plasma seen to date. It has been carefully observed with very high spatial and temporal resolution, lending a sense of coherence to a field that was until the early 1990s, largely unexplored. This new SOERE campaign is the first in a series to systematically explore these phenomena and to develop a comprehensive understanding of their nature.

From internal observational lessons we know that the Sun is a complex and highly variable object, and that events can occur on a wide range of spatial scales, from approximately one or two years, changing from one year to another, to several months, and then to days. The nature of these events is also subject to activity of both bright regions, which are relatively quiescent, and active regions, which are relatively dynamic and exhibit the most pronounced solar phenomena.

In this SOERE campaign, we have observed the SOERE spacecraft as it navigates through the highly variable solar environment, including the presence of high-speed plasma and dynamic activity. This unique and unprecedented data set is being analyzed and interpreted to provide insights into the mechanisms that drive these phenomena.

To more closely observe the SOERE instruments, we have planned to launch a fleet of dedicated spacecraft, with the SOERE website being http://soere.jpl.nasa.gov/ for more detailed information.

SOERE Science Meeting
December 4-6, Sanoma, California

The science program for the upcoming SOERE Meeting is expected to include discussions on how to improve Linking Solar Radiation and Solar Variability with Global Climate Change and others. The meeting will be held in December 4-6, with the SOERE website being http://soere.jpl.nasa.gov/ for more detailed information.

J. A. proj. Current status of the SOERE campaign and possible presenters
R. Kavle - Current status of the SOERE campaign
1. H. - Current status of solar-stellar relationships

Scientific sessions and speakers over the two and half days
- Solar Variability - Current status of solar-stellar relationships
- Solar Activity - Current status of SOERE measurements
- Gary Rezman, Greg Kopp, Jerry Martyn, Bill McComas, Tom Woods
- Steve Strong - Recent SOERE measurements
- John Balas, Richard Wilson, and Bob Scharbert
- Long-Term Solar Variability:
  - John Strong, David Macek, Dikpati, Fay Yildiz, and the SOERE team

The SOERE team will be presenting a series of talks on the latest SOERE results and will be available for discussions and collaborations.

SOERE Monthly Newsletter
November 2003

SOERE Solar Ray Image, Nov. 2003. The large flare appeared just beyond the limb, accompanied by a cloud of solar material from the sunspot group.

Cassini's view of Saturn's rings: a new perspective

Upcoming Meetings / Talks
- SOERE science: past, present, and future
- SOERE Monthly Newsletter: December 4-6, Sanoma, California
- AGU Fall Meeting, Dec. 8-12, San Francisco, California

For more information, please visit the SOERE website.

For more information, please visit the SOERE website.

For more information, please visit the SOERE website.