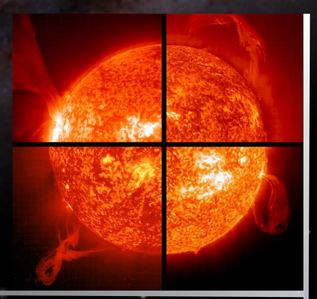
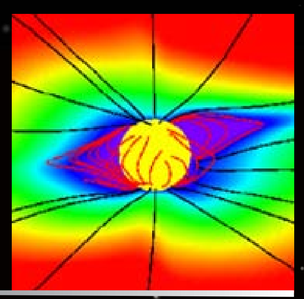
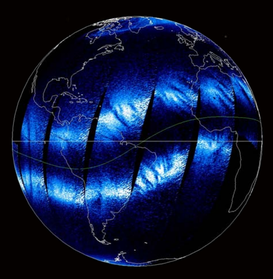
ILWS Workshop

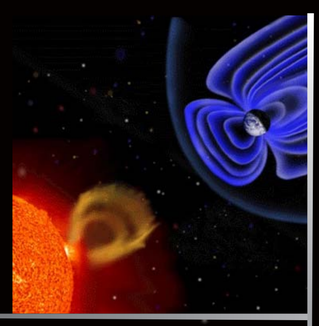
The Solar Influence on the Heliosphere and Earth's Environment: Recent Progress and Prospects

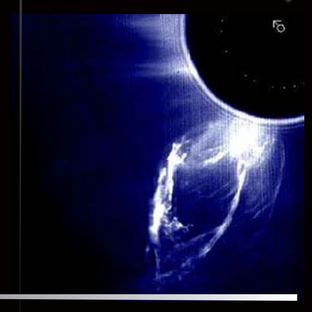
February 19-24, 2006
Goa, India











WORKSHOP OBJECTIVES

A complex web of interconnected processes links both steady and dynamic phenomena at the Sun to corresponding effects at Earth, the other planets, and throughout the heliosphere. Unraveling the nature of these interactions offers an opportunity to identify and understand the fundamental scientific principles governing the plasma universe. Of equal importance, it can enable us to predict and mitigate the effects of the constantly varying solar output on the planetary environment, spacecraft and astronauts traveling between the planets, spacecraft in the Earth's radiation belts, and ionospheric communications.

The pace of discovery has accelerated over the course of the space age and we are now poised to make discoveries that will have a direct impact on human endeavors. This workshop will provide a snapshot of where we stand now, identify promising new lines of research, and provide a venue to identify prospective paths for international cooperation to address the most critical research problems and societal needs.

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http://ilws.gsfc.nasa.gov/ilws_goa2006.htm