*The Light Stuff: Solar Bursts across the CurriculumC:\Program Files\Microsoft Office\MEDIA\CAGCAT10\j0301076.wmf*

PRESENTED BY: Scott Chapelle, Kathy Cochrane, Karen Swacker, Cheryl Zielinski

Audience: 6th-8th grade science teachers

Time: 1 hour and 50 minutes

Conference Location: (ISTA)

Illinois Science Teachers Association

Objectives: To provide teachers with activities that explain the different ways in which the Sun effects Life on Earth, as well as share information about current NASA missions. (i.e.) IBEX

Activities:

* 1. The Case of Mysterious Events (NOTES: Have finished charts posted of the events. Walk through quickly to demonstrate process.)
  2. Scale Model of the Sun-Earth System (Quick Demo. to clarify distance and size.)
  3. Electromagnetic Spectrum (Explanation and review of low to high energy.)
  4. A stormy sun: Revisiting the mystery. Explain solar flares and CME’s and refer back to the mystery to determine which solar energy is responsible for the events that occurred.
  5. Investigating Ultraviolet Shields – Complete the entire activity.

CLOSING: IBEX- mission discussion, video clip and post activity