

NOAA Space Environment Center

(the other SEC)

Possible Roles in ILWS

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(for Ernie Hildner)

- What is the NOAA Space Environment Center?
- SEC Contributions to ILWS
- ILWS Contributions to SEC

NOAA SEC:

Who are we?

- About 70 People
 - ½ Space Weather Forecasting
 - ½ Solar, Magnetospheric, and Ionospheric Science
- Forecasters:
 - Provide specification and forecasts of space weather
 - Send official Alerts and Warnings to customers
- Scientists:
 - Search for new science, data, missions, and models that can support the Forecasters
 - Validate and test new and existing space weather data and models

NOAA SEC Support to ILWS

- Provide connection to societal needs and requirements
 - Guide research into areas most critical to space weather specification and forecasting
 - Provide a forum for scientists and customers to interact
 - Space Weather Week: An annual meeting to bring customer requirements to researchers and applied research to customers (Next meeting in May 2003)
- Provide Supporting Data
 - GOES
 - Solar x-ray and EUV irradiance, Magnetospheric fields and particles, Solar X-Ray Imaging
 - POES
 - Magnetospheric and Ionospheric particles, Solar UV irradiance
 - Ground-Based Observations
 - CORES, Ground based GPS receivers for TEC

ILWS Support to NOAA SEC

- Provide advocacy for “Monitoring” the Space Environment: Moving from Research to Operations
 - Yohko to SXI (2003)
 - SOHO SEM, LASCO, and EIT to GOES R (2012)
 - SORCE Total and Spectral Solar Irradiance to NPOESS (2010)
 - ACE to GEOSTORMS????
 - Instruments of Opportunity on Operational Spacecraft