

## NOAA/SEC REPORT ON SPACE WEATHER

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Space Environment Center (SEC) provides space weather services to a great variety of customers. It also does research and development to better understand the space environment and apply those new understandings to improve services. SEC's Services Center is staffed 24 hours a day, 7 days a week, as the U.S. official source of alerts and warnings of space weather events and as the World Warning Agency for the ten Regional Warning Centers of the International Space Environment Service (ISES). SEC's products, and its search for new sources of vital data - such as real time solar wind upstream of Earth - and SEC's new process to transition research-grade models into operations will be described, with examples. SEC's current users of space weather services and its expected future customers will be outlined. SEC's communications with customers to get their feedback and view will be described. The exciting prospect that industrial consultants will be able to make money explaining and tailoring the government's nowcasts and forecasts for the specific needs of individual system operators will be mentioned.