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SPACE-BASED OPERATIONAL SPACE WEATHER: UNITED STATES AND INTERNATIONAL
PERSPECTIVE

Abstract

The United States National Oceanic and Atmospheric Administration (NOAA) has observational responsibilities in support of space weather forecasting are in the context of significant, numerous, complementary international and domestic efforts. Each measurement plays a unique role at different phases of the forecasting or event characterization process. This paper overviews the current suite of observation that NOAA maintains and utilizes on various platforms, including the recently launched COSMIC-2 mission, and the status of the NOAA/NESDIS plan forward efforts for the Space Weather Follow-On (SWFO) program to provide needed continuity and how NOAA space weather goals fits in the context of international efforts for operational space weather. In particular, this paper will discuss the efforts of the Space Weather Coordination Group (SWCG) within the Coordination Group for Meteorological Satellites (CGMS), the group for global coordination of meteorological satellite systems. SWCG supports the continuity and integration of space-based observing capabilities for operational Space Weather products and services.