



NASA's Heliophysics Research and Space Weather Services for the Agency's Robotic Missions

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NASA formulates and implements a national research program for understanding the Sun and its interactions with the Earth and the solar system, including space weather and how these phenomena impact life and society. NASA at the agency level participates in a cross-agency effort led by the Office of Science and Technology Policy to develop and implement the National Space Weather Strategy. The space weather research group of the Community Coordinated Modeling Center (CCMC) at the Goddard Space Flight Center (GSFC) supports and enables the research and development of the latest and future space weather models. This helps facilitate the deployment of latest advances for space weather operations. The team works on space weather model prototyping, provides space weather forecasting and alerts, and also anomaly assessment to address NASA's space weather needs that include assets making Earth and planetary observations. This presentation provides a summary of the NASA GSFC efforts and its ongoing national and international space weather partnerships.