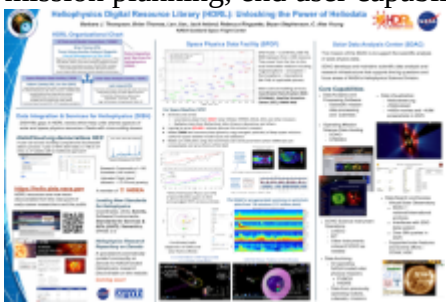
Barbara
Thompson
NASA Goddard Space Flight Center
Brian J. Thomas, NASA GSFC
Robert Candey, NASA GSFC
Jack Ireland, NASA GSFC
Lan Jian, NASA GSFC
Rebecca A. Ringuette, University of Maryland Baltimore County, NASA GSFC
Bryan E. Stephenson, ADNET Systems Inc, NASA GSFC
C. Alex Young, NASA GSFC
Poster
The Heliophysics Digital Resource Library (HDRL) serves as a critical bridge between NASA's rich heliophysics data resources and the operational space weather community. This presentation showcases how HDRL integrates mission data streams, standardizes metadata practices, and provides unified access points through the Heliodata web platform to support timely space weather forecasting and analysis through community open-source software. By implementing consistent data formats, addressing latency requirements, and optimizing delivery mechanisms, HDRL enables forecasters, commercial operators, and exploration planners to access expert-curated resources. The presentation highlights recent enhancements to user interfaces that connect end users to Heliophysics mission assets. Through these coordinated efforts, HDRL transforms passive data archives into active observational resources, directly supporting national space weather resilience, Artemis mission planning, end user capabilities, and acceleration of scientific discovery.

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