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Poster
The Data Center of the National Solar Observatory's Integrated Synoptic Program (NISP) sits at the heart of the GONG project, coordinating the collection, processing, and distribution of 24/7 solar data to the Space Weather forecasting and scientific communities.

In this poster, we provide an overview of the pipelines and data products currently used in Space Weather predictions and other related products. Here we discuss support that the Data Center provides for GONG Network operations and Space Weather forecasting programs, including pipeline development and maintenance, data quality assurance, computer resource management, and facilitated access to GONG data for the scientific community. We also maintain GONG pipelines running at the SWPC Data Center, and generate U.S. Air Force Data Assimilative Photospheric Flux Transport (ADAPT) model maps using GONG data. As a group, we ensure such disparate products as H-alpha images, calibrated magnetograms, Doppler-helioseismology-generated farside maps, and other products are served to the community for both on-time forecasting needs and research applications.
Poster session day
Tuesday, April 28, 2026
Poster location
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Meeting homepage
2026 Space Weather Workshop
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