

Space Weather Database Of Notifications, Knowledge, Information (DONKI)

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What is Space Weather DONKI?

Space Weather Database Of Notifications, Knowledge, Information (DONKI) is a catalog of space weather events, forecaster logs, and notifications. It is a comprehensive on-line tool for space weather forecasters, scientists, and the general space weather community. It provides extensive database search functionality to support spacecraft anomaly resolution and general space weather research.

Why do we need it?

- There is no centralized database/application allowing space weather researchers/forecasters working at the Community Coordinated Modeling Center (CCMC) and the Space Weather Research Center (SWRC) to record observed space weather events and notifications that are sent out on a routine basis.
- Information is currently stored in a blog. The blog is not easily searchable and does not facilitate discussions and collaboration within the scientific community.

Benefits

- Builds a catalog of past, present, and ongoing Space Weather events in real-time
- Contains both forecaster logs and notifications.
- Allow scientists to explore linkages and cause-and-effect relationships between space weather activities.