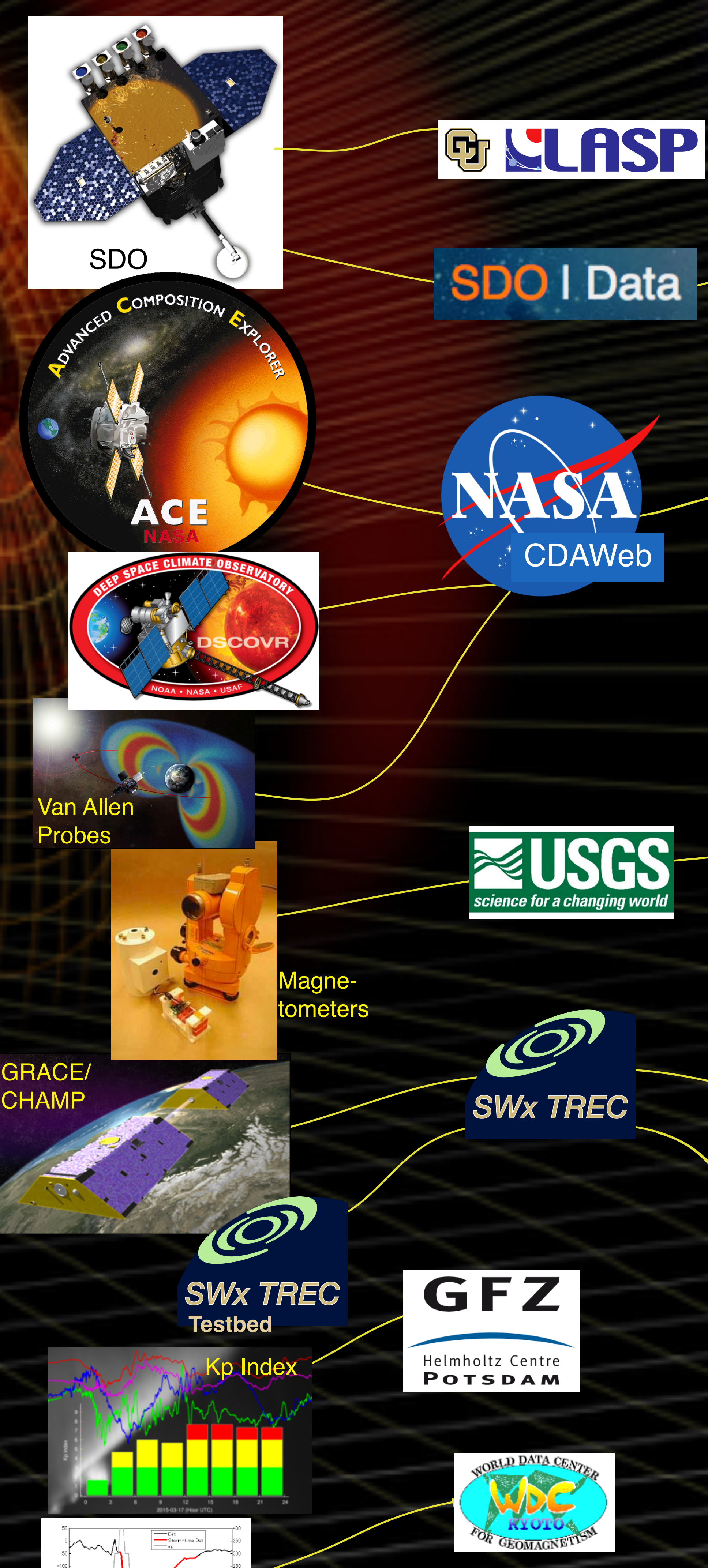


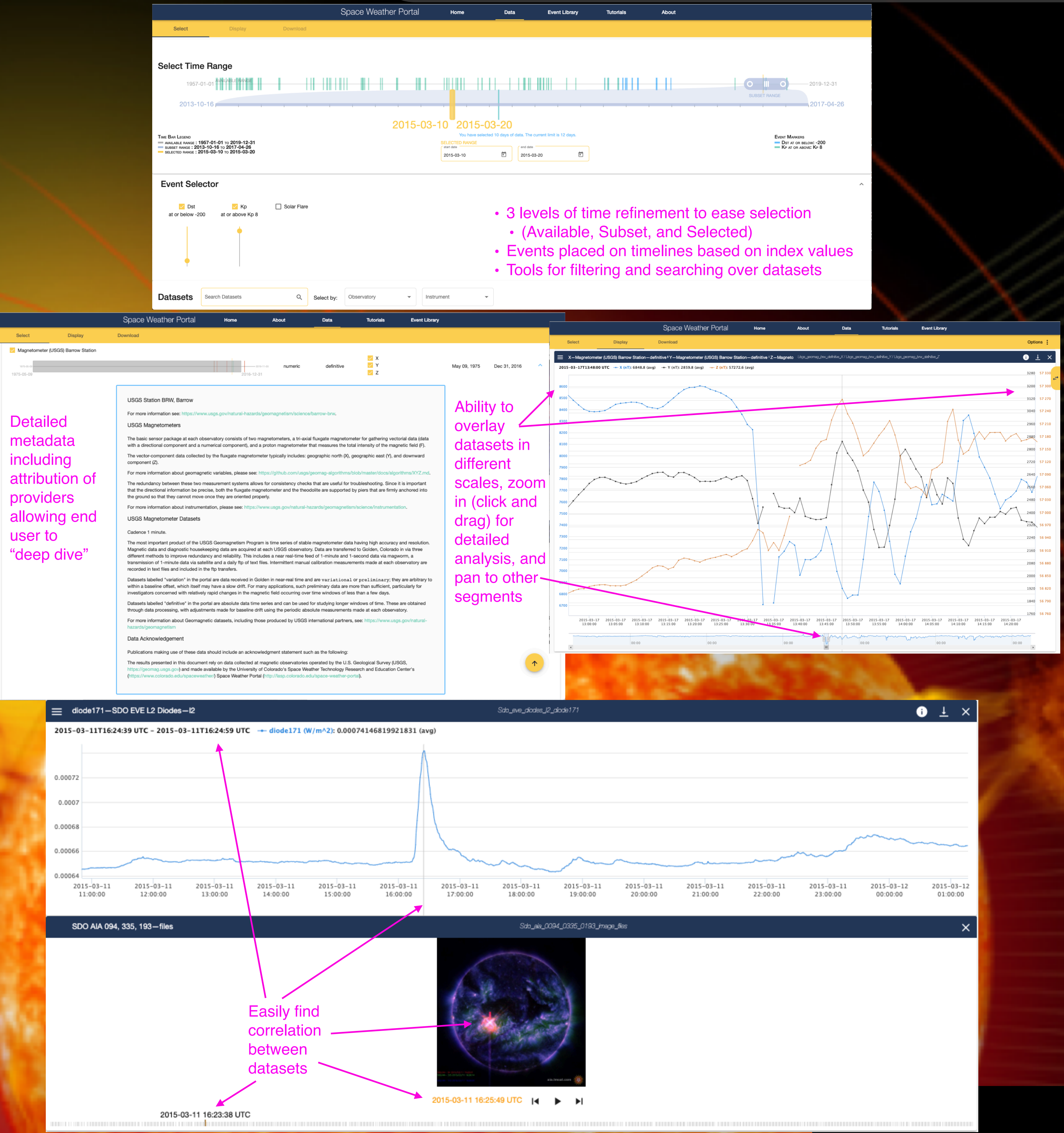


Measurement/Modelling System Data Provider

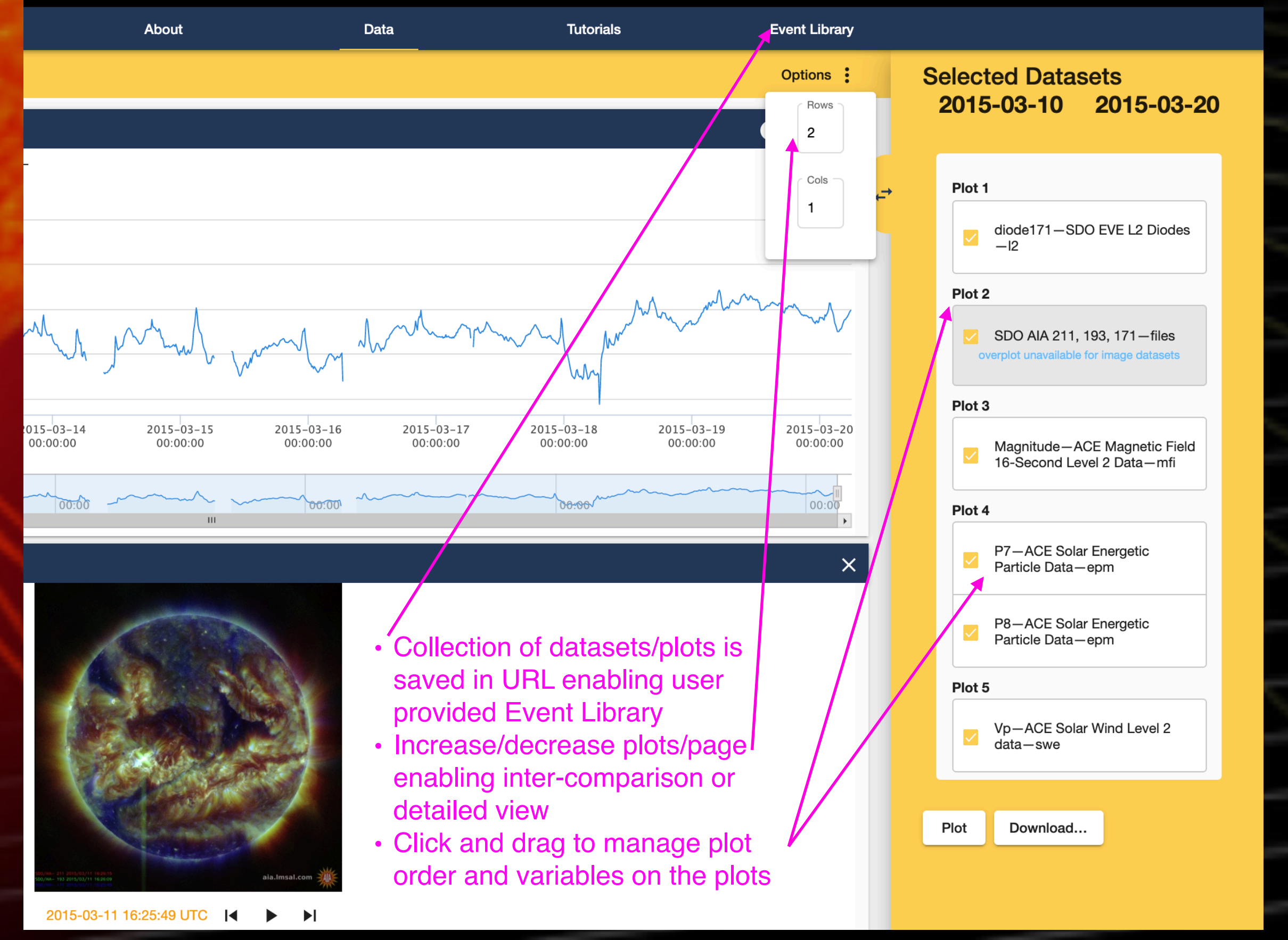


SWx TREC Data Portal lasp.colorado.edu/space-weather-portal provides the ability to discover, learn about, plot, and download space weather datasets to describe a space weather event.

- These datasets show the event:
- occurring on the Sun (SDO EVE and AIA)
 - generating energetic particles and increased solar wind between Sun and Earth (ACE)
 - affecting Earth's atmosphere (GRACE-A) and magnetic field (Magnetometer and Model data)



- Going forward, we will continue to:
- reach out to data providers to add datasets
 - extend the sources and types of datasets
 - provide for download of selected subsets in additional formats, including code snippets for programmatic access
 - perform usability testing to guide design
 - expand the metadata offerings
 - further integrate with the SWx TREC testbed environment (see poster by Lucas et al.)
 - add events to the library



As part of the University of Colorado's Space Weather Technology, Research, and Education Center <https://www.colorado.edu/spaceweather/>, (SWx TREC), we are pleased to announce the public release of the Space Weather Data Portal <https://lasp.colorado.edu/space-weather-portal> to provide unified and highly interactive access to disparately located and formatted datasets. This tool intends to help close the Research to Operations (R2O) and Operations to Research (O2R) gaps by lowering the barrier to space weather data access and visualization. This poster shows a subset of the currently available datasets and data providers which together exemplify the 2015 St. Patrick's Day storm as it makes its way from Sun to Earth (red). The poster also shows the highly interactive capabilities offered by the Space Weather Data Portal (purple).