

Browsing Space Weather Data and Models with the Integrated Space Weather Analysis (iSWA) System

Maddox, Marlo M.¹, Mullinix, Richard E. ¹, Berrios, David H.¹, Hesse, Michael¹, Rastaetter, Lutz¹, Pulkkinen, Antti¹, Hourclé, Joseph A. ¹ and Thompson, Barbara J. ¹

¹NASA Goddard Space Flight Center

The Integrated Space Weather Analysis (iSWA) System is a comprehensive web-based platform for space weather information that combines data from solar, heliospheric and geospace observatories with forecasts based on the most advanced space weather models. The iSWA system collects, generates, and presents a wide array of space weather resources in an intuitive, user-configurable, and adaptable format - thus enabling users to respond to current and future space weather impacts as well as enabling post-impact analysis.

iSWA currently provides over 200 data and modeling products, and features a variety of tools that allow the user to browse, combine, and examine data and models from various sources. This presentation will consist of a summary of the iSWA products and an overview of the customizable user interfaces, and will feature several tutorial demonstrations highlighting the interactive tools and advanced capabilities.