

The Embrace/INPE WEB Portal for Free Space Weather Data DistribuTion

Denardini, C.M.; Costa, J.E.R.; Pádua, M.B.; and the Embrace Team

Embrace, National Institute for Space Research (INPE),

Endereço, Av. Dos Astronautas, 1758, S. J. Campos-SP, Brazil - CEP: 12.221-970.

The Embrace/INPE space weather program launched its new web portal for free space weather data distribution. The portal allows registered users to access data by searching the archive, making data requests for specific location, resolution, cadence, different data formats, images, etc. The beta version is already running with data acquired by Embrace/INPE all over South America using magnetometers, ionosondes, GPS - TEC and Scintillation, solar spectrometer and all-sky imagers (for further details, please, visit the <http://www2.inpe.br/climaespacial/SWMonitorUser/>). In its current version, users will find products derived from a network of over 150 GNSS' monitors (sixteen of them measuring scintillations), which covers most of the South American territory; digisonde network that monitors the radio blackout in seven locations in Brazil; several radio telescopes to monitor solar activity; a network of magnetometers in ten locations in South America, and a physical model to predict the global ionosphere 24 hours ahead.