

Incoherent Scatter Radar Long Duration Experiments

A. van Eyken, J. Markkanen and A Stroemme

EISCAT Scientific Association (Contact Tony.van.Eyken@eiscat.se)

Incoherent scatter radars provide some of the highest quality ionospheric data available for monitoring purposes. Over the last several years, the three radars belonging to the EISCAT Scientific Association, located in the European arctic, have been moving towards more continuous operation with a number of individual runs exceeding 500 hours. Several other incoherent scatter facilities have made similar efforts. These long, detailed datasets cover various solar conditions and represent one of the very finest resources for the evaluation of current and future geospace modeling efforts. We present a number of examples of such datasets and detail the data interfaces available to both current and new user communities.