

Using STORM to support short-term ionospheric forecasts

Phil Wilkinson, IPS Radio and Space Services, P O Box 1386, Haymarket, NSW1240
AUSTRALIA

The International Reference Ionosphere, IRI2001, now contains a parameterised ionospheric storm model, called STORM. Using A_p indices, this predicts the nature of the global ionosphere by producing a latitudinal correction for peak electron-density F2-region maps. This paper explores the use of STORM to support ionospheric forecasts. To do this, a corrected global index of ionospheric activity is constructed using STORM and the results of using this index are compared with manual forecasts made locally.