

**Physical Research Laboratory
Ahmedabad**

Space & Atmospheric Sciences Division

Division Seminar

Title: “Comparison of quiet time vertical plasma drifts with global empirical models over the Indian sector: Some insights”

Speaker: Kuldeep Pandey

Date: 08 May 2017

Venue: Ground Floor Lecture Hall

Time: 16:00 hrs

Highlight of the talk:

Using the equatorial electrojet model developed in PRL and magnetometer measurements over India, a methodology is evolved to obtain the ionospheric electric fields and vertical plasma drifts during daytime that are otherwise difficult to obtain systematically in the absence of incoherent scatter radar. Vertical drifts derived by this methodology and other past measurements over the Indian sector are compared with the global empirical model values. This exercise provided valuable insights into the low latitude ionospheric processes. These results will be presented and discussed in this presentation.

All interested are welcome.