

Physical Research Laboratory

Ahmedabad

Area Seminar

(Space & Atmospheric Sciences Division)

Title: “Study of clouds over Ahmedabad using Ceilometer and Satellite”

Speaker: Rajesh Vaishnav

Date: 09 November 2015

Venue: Ground Floor Lecture Hall

Time: 1600 hrs

Highlight of the talk:

Clouds play a vital role in the Earth's atmosphere, weather forecasting and air transportation safety. To understand the influence of clouds on weather, cloud base height observed during 2014 have been extensively studied using ceilometer over Ahmedabad. Ceilometer is the low power eye safe mini-Lidar specially used for the detection of cloud base height. Preliminary results obtained from the ceilometer measurements and statistical analysis of clouds base height will be presented. A comparative study of clouds using ground based and satellite observations have also been done. Further, efforts have been made to derive boundary layer over Ahmedabad.

All interested are welcome.