



ATMOSPHERIC & OCEANIC SCIENCES DEPARTMENTAL SEMINAR SERIES

– PRESENTS

A New Era in Monitoring Weather Events from Geostationary Satellite with GOES-R

by Dr. Bob Rabin

Research Scientist, NOAA National Severe Storms Lab, Norman, OK, and
Cooperative Institute for Meteorological Satellite Studies,
University of Wisconsin -Madison

A new series of geostationary satellites, beginning with the launch of GOES-R (now GOES-16) in November 2016, will bring new capabilities to monitor clouds, lightning, and properties of the earth and ocean surface with enhanced temporal and spatial resolution. This presentation will highlight some of these capabilities with examples of satellite imagery observed at 1-minute intervals from GOES-14. This satellite collected data at 1-minute intervals in the "Super Rapid Scan Operation for GOES-R" (SRSOR) mode during select periods in 2013-2016. This enabled testing the value of simultaneous high temporal observations from satellite, radar, and ground-based lightning sensors in monitoring convective storms, winter weather, and fires. Available scanning modes and derived products from the Advanced Baseline Imager (ABI) aboard the new satellite will be reviewed.

Friday, January 6, 2017 | 11:00 a.m. | Burnside Hall | Room 934

Coffee will be available. We hope you will be able to attend!