AMS Short Course on GOES-R Series: Forecasting Applications
6 January 2019, Phoenix AZ

The AMS Short Course on GOES-R Series: Forecasting Applications will be held on 6 January 2019 preceding the 99th AMS Annual Meeting in Phoenix, Arizona. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (www.ametsoc.org).

NOAA's Geostationary Operational Environmental Satellite R Series (GOES-R) now has two satellites in orbit and we are continually learning more about the capabilities of these next generation satellites. The Geostationary Lightning Mapper (GLM), and 11 new channels on the 16 channel Advanced Baseline Imager (ABI) has substantially improved spatial resolution and temporal refresh rate. These new measurements produce more timely, detailed, and accurate information than ever before. Short-course participants will have the opportunity to receive hands-on experience with GOES-16 data, showcasing the many applications to help improve forecasts and warnings of high impact weather and environmental phenomena.

The primary goal of this course is to familiarize users with GOES-R Series capabilities, and how it can improve their services to customers, saving lives and property. The course will showcase a brief overview of the ABI's 16 channels, GLM, insight on how to access existing resources (web page, educational pages, etc.), and an understanding of the options available to acquire GOES-R imagery and products. The course will then immerse students into 3 different forecasting challenge topics, i.e. Aviation Forecasting, Fire Weather, and Convective Weather. Each of these topics will cover specific GOES-R Series products and applications with hands on case studies and lab exercises. The overarching goal is to introduce users to techniques and applications to improve observations, forecasting and warnings to help bridge the gap between old and new in the most efficient manner in a field where every minute counts.

Instructors include subject matter experts from NOAA/NESDIS, and various Cooperative Institutes.

Participants are expected to bring their own laptops to be able to participate in the hands-on exercises.

For more information please contact Janel Thomas (janel.thomas@noaa.gov).