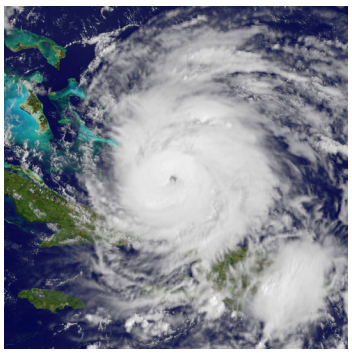
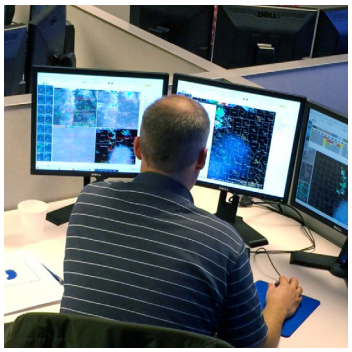
AMS Short Course:
GOES-R Preview for Users

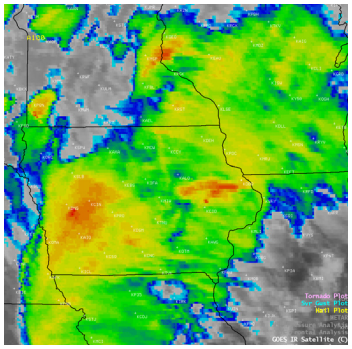
Co-Chairs: Tim Schmit (NOAA/NESDIS), Mat Gunshor (CIMSS), and Jim Gurka (CICS)

97th AMS Annual Meeting ■ January 22, 2017 ■ Washington State Convention Center, Seattle, WA

The AMS Short Course on the Geostationary Operational Environmental Satellite-R Series (GOES-R) capabilities, products and applications will be held on Sunday, January 22, 2017 preceding the 97th AMS Annual Meeting in Seattle, Washington. Preliminary programs, registration, hotel, and general information will be posted on the AMS website in the upcoming months (https://annual.ametsoc.org/2017/).







Please join us for a short course on the next-generation GOES-R series, including the new capabilities made possible by the **Advanced Baseline Imager (ABI)** and the **Geostationary Lightning Mapper (GLM)** instruments. The course will focus on the suite of new GOES-R products and their applications for improved environmental observations, forecasts and warnings. These new measurements produce more timely, detailed and accurate information than ever before. Short-course participants will have the opportunity for hands-on experience with proxy and simulated GOES-R products and capabilities.

The goal of the course is to make users aware of how GOES-R capabilities can improve their services to customers and save lives and property.

The course format will consist of a balanced mix of presentations and hands-on exercises demonstrating the applications of new GOES-R products.

List of Instructors and Presenters

William Denig (NOAA/NESDIS)
Jordan Gerth (CIMSS)
Steve Goodman (NOAA/NESDIS GOES-R Program Scientist)
Chad Gravelle (CIMSS)
Mat Gunshor (CIMSS)
Scott Lindstrom (CIMSS)
Greg Mandt (NOAA/NESDIS GOES-R Program Director)
Cliff Mass (UW)
Chris Schmidt (CIMSS)
Tim Schmit (NOAA/NESDIS)
Geoffrey Stano (NASA SPoRT)

Participants are encouraged to bring their laptops or tablets for the hands-on exercises.

For more information, please contact Jim Gurka: james.j.gurka@noaa.gov

For more information on GOES-R, please visit the website: http://www.goes-r.gov/

American Meteorological Society
97th ANNUAL MEETING | SEATTLE

AMS Short Course:
GOES-R Preview for Users

Co-Chairs: Tim Schmit (NOAA/NESDIS), Mat Gunshor (CIMSS), and Jim Gurka (CICS)

97th AMS Annual Meeting ■ January 22, 2017 ■ Washington State Convention Center, Seattle, WA

Agenda

Sunday, January 22, 2017			
Time*	**Duration**	**Topic/Title**	**Speaker(s)**
9:00 AM	**10:00**	**Welcome**	**Steve Goodman** (NOAA/NESDIS, GOES-R Program Scientist)
9:10 AM	20:00	GOES-R Program Overview	**Greg Mandt** (NOAA/NESDIS, GOES-R Program Director)
9:30 AM	40:00	The GOES-R Advanced Baseline Imager (ABI) Capabilities, Products, and Concept of Operations	**Tim Schmit** (NOAA/NESDIS), **Mat Gunshor** (CIMSS)
10:10 AM	**30:00**	**Break**	
10:40 AM	25:00	Hands-On Exercise Showcasing ABI's 16 Channels with Improved Spatial Resolution and Temporal Refresh Rate, and RGB Products	**Tim Schmit** (NOAA/NESDIS), **Mat Gunshor** (CIMSS), **Scott Lindstrom** (CIMSS), **Chris Schmidt** (CIMSS), **Jordan Gerth** (CIMSS)
11:25 AM	30:00	Geostationary Lightning Mapper (GLM) Capabilities and Forecast Applications	**Steve Goodman** (NOAA/NESDIS, GOES-R Program Scientist)
11:55 AM	**1:15:00**	**Lunch & "Future of Nowcasting"**	**Cliff Mass** (UW)
1:10 PM	25:00	Hands-On Exercise: Case Studies using GLM as a Tool for Severe Thunderstorm Warnings	**Geoffrey Stano** (NASA SPoRT), **Steve Goodman** (NOAA/NESDIS, GOES-R Program Scientist), **Scott Lindstrom** (CIMSS), **Jordan Gerth** (CIMSS)
1:35 PM	30:00	Introduction to the Space Weather Instruments on GOES-R	**William Denig** (NOAA/NESDIS)
2:05 PM	20:00	Hands-On Exercise: Application of GOES-R Space Weather Products	**William Denig** (NOAA/NESDIS)
2:25 PM	30:00	Introduction to Derived GOES-R Products Used in the GOES-R Satellite Proving Ground	**Chad Gravelle** (CIMSS)
2:55 PM	**30:00**	**Break**	
3:25 PM	1:00:00	Hands-On Exercise: Case Studies Demonstrating Use of Derived GOES-R Products in Severe Weather Situations	**Chad Gravelle** (CIMSS), **Chris Schmidt** (CIMSS), **Jordan Gerth** (CIMSS)
4:25 PM	1:05:00	Q & A and Short Course Evaluations	
5:30 PM		**End of Course**	

**All Times Pacific*