

# GOES-R

GEOSTATIONARY OPERATIONAL ENVIRONMENTAL SATELLITE R-SERIES

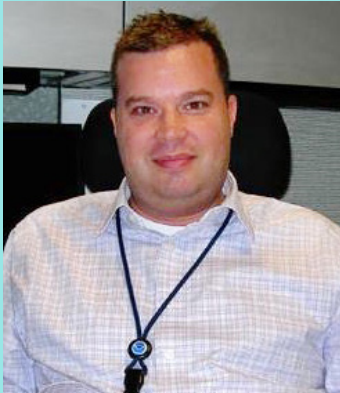


## SCIENCE SEMINAR

In an effort to promote more frequent communication with the user community about GOES-R science and demonstration activities, please join us for the **July GOES-R Science Seminar** on **Friday, July 29, 2016**, from **12 PM to 1 PM ET** featuring:

### Evaluating Operational Applications of Multiple Spectral Bands for the GOES-R Era at the Operations Proving Ground

Presented by: **Chad M. Gravelle and Kim J. Runk**



**Chad Gravelle** is the GOES-R Satellite Liaison and Science Coordinator for the NWS Operations Proving Ground in Kansas City, MO where he leads the transition of GOES-R products and capabilities into NWS Forecast Offices.

**Kim Runk** is the Director of the NWS Operations Proving Ground, a facility designed to advance science and service capabilities and promote innovations, particularly in the areas of enhanced forecast operations and effective communication of weather information.

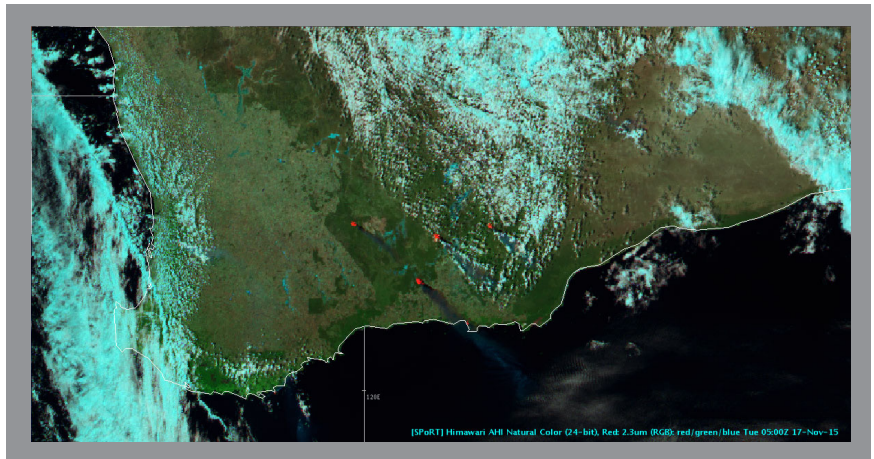
#### Abstract:

In March and April of 2016, the National Weather Service (NWS) Operations Proving Ground (OPG) hosted and facilitated an evaluation to assess the operational impact of multiple

spectral bands for the Geostationary Operational Environmental Satellite (GOES)-R Series era. In total, nine forecasters from five NWS Regions completed seven exercises that were developed using imagery from the Himawari-8 Advanced Imager (AHI), a proxy for the GOES-R Advanced Baseline Imager (ABI). The primary goal of the evaluation was to provide guidance to NWS management on which spectral bands and/or multispectral imagery, including Red-Green-Blue (RGB) composites, offer

the most operational value in the opinions of participating forecasters.

This presentation will provide a brief overview of the evaluation and a detailed analysis of the forecaster feedback with recommendations on incorporating multiple spectral bands and RGB composites in the GOES-R era.



If you have any questions or wish to present your work, please contact Ashton Armstrong ([ashton.armstrong@noaa.gov](mailto:ashton.armstrong@noaa.gov))

