

Weekly Report

CIRA
STAR/NESDIS
National Oceanic and Atmospheric Administration (NOAA)

Submitted by: Maranda Hutson
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Prepared by: CIRA and STAR contributors

Products and Applications

Publications (Citation: followed by a short Summary: (Why & so what), & detailed summary):

Awards and Recognition

Media Interactions and Request

Blog Posts and Social Media

New Satellite Liaison Blog Post: Bill Line published a blog post titled “[Early April 2025 MS/OH River Valley Flooding](#)”. The post features GOES and VIIRS imagery of the persistent thunderstorms that led to widespread flooding, as well as post event imagery capturing the extent of the flooding. It also highlights examples of how NWS/WPC incorporated satellite imagery into their forecasts. See Figure below. (POC: Bill Line, bill.line@noaa.gov, 970-279-1832)

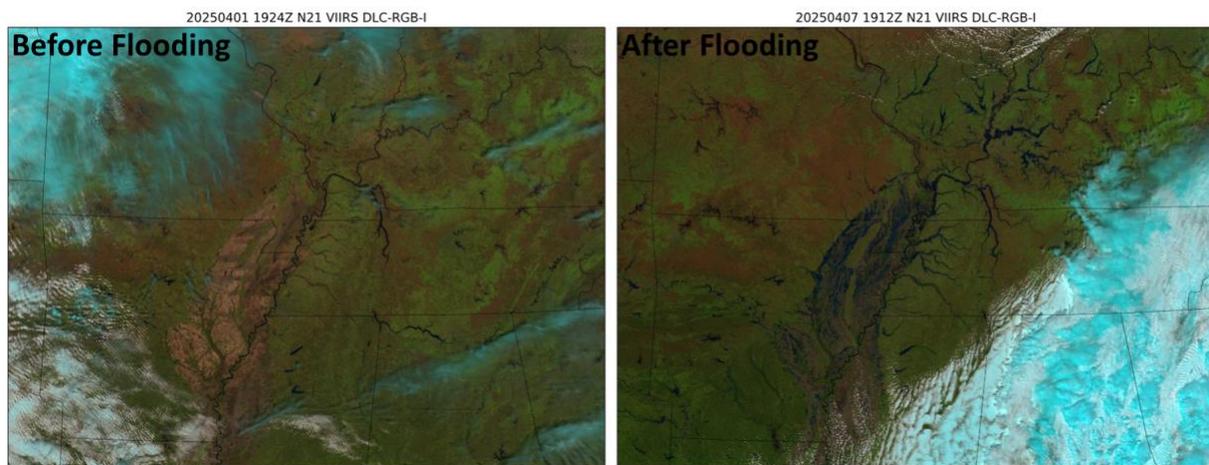


Figure: VIIRS Day Land Cloud RGB Imagery from 1 April 2025 (left) and 7 April 2025 (right). Bodies of water appear as dark blue in the imagery. The image on the right shows flooded croplands in

the Mississippi Delta, particularly across eastern Arkansas and southeast Missouri, and the swollen surrounding rivers.

Travel, Workshops, Conferences, and Meeting Reports

CIRA participation in the 2025 WMO RGB Workshop: Curtis Seaman and Bernie Connell of CIRA attended the WMO RGB Workshop, held at the headquarters of the Swedish Meteorological and Hydrological Institute (SMHI) in Norrköping, Sweden (1-3 April 2025). The purpose of the workshop was to bring together product developers, operational users and training experts from around the world to develop standards for RGB composites. Over 30 participants from 15 different countries participated in the event, during which the international community came together to define standard RGB recipes for the current suite of geostationary and polar-orbiting satellites and settle on appropriate names. The Fire Temperature RGB and Day Fire RGB - developed at CIRA - as well as the Blowing Snow RGB, Sea Spray RGB and CVD Dust RGB (developed by Bill Line at NOAA) are now internationally recognized RGB composites. CIRA's flagship product, *GeoColor*, was the most talked about product at the Workshop, in part because European and African weather services are now using *GeoColor* from Meteosat Third Generation satellites for the first time. A final report on the outcomes of the workshop is forthcoming, and will be posted on the World Meteorological Organization (WMO) website. C. Seaman and B. Connell comprised $\frac{2}{3}$ of the American participation in the workshop, with Chris Smith (CISS) as the third due to restrictions on federal travel. (POC: C. Seaman and B. Connell, CIRA; curtis.seaman@colostate.edu; bernie.connell@colostate.edu) Funding: GEO/GOES-R and LEO/JPSS.

Training and Education activities

Future Meetings and Events (dates, meeting/event, location, staff involved)

Other

Alex DesRosiers reviewed a manuscript for the Journal of Advances in Modeling Earth Systems. (POC: Alex DesRosiers, CIRA, adesros@rams.colostate.edu)