

Weekly Report

SCSB/CISESS
Cooperative Research Program Division (CoRP)
STAR/NESDIS
National Oceanic and Atmospheric Administration (NOAA)

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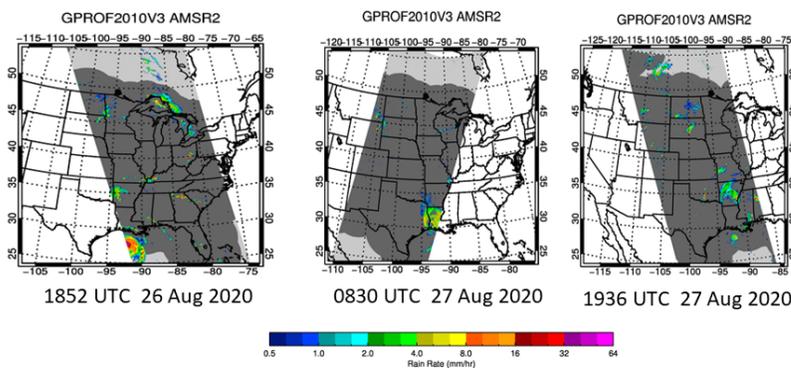
Products and Applications

Satellite Products for Hurricane Laura: SCSB and CISESS led products captured Hurricane Laura at various stages of development. S. Rudlosky posted several posts to his GLM twitter feed, including an example below, which showed considerable lightning around the eye wall during Laura's dramatic intensification.



<https://twitter.com/i/status/1298786493910188033>

The GCOM-W1 AMSR-2 captured Laura; shown is a sequence of rain rate products as Laura intensified and move onshore, and then inland. The rain rates corresponded relatively well with in-situ data, although some of the banding features were missed. This will be improved upon with an updated algorithm being finalized at CISESS.



(POC: R. Ferraro, S. Rudlosky, V. Petkovic, Ralph.R.Ferraro@noaa.gov, Funding: PDRA, GOES-AWG, JSTAR)

GOES-R Steering Group: On August 28, S. Rudlosky briefed the GOES-R Steering Group on the status of GLM gridded product delivery risk. New requests from NWS for GLM gridded products (L3 – flash density and data quality), developed by Scott and his CISESS team (not part of the original GLM product requests for L2 products) through OAR JTTI project funding, are now running in the AWIPS Cloud framework in a demonstration mode. However, there is no identified funding to bring these to full operational capability at NESDIS. Scott is working with relevant NESDIS groups, including OSPSO and OSGS, to determine implementation plan and funding needs, which will be presented to the SPSRB in the future. This “project risk” will be maintained at STAR and GOES-R until it is ultimately resolved.

(POC: S. Rudlosky, Scott.Rudlosky@noaa.gov, Funding: PDRA)