

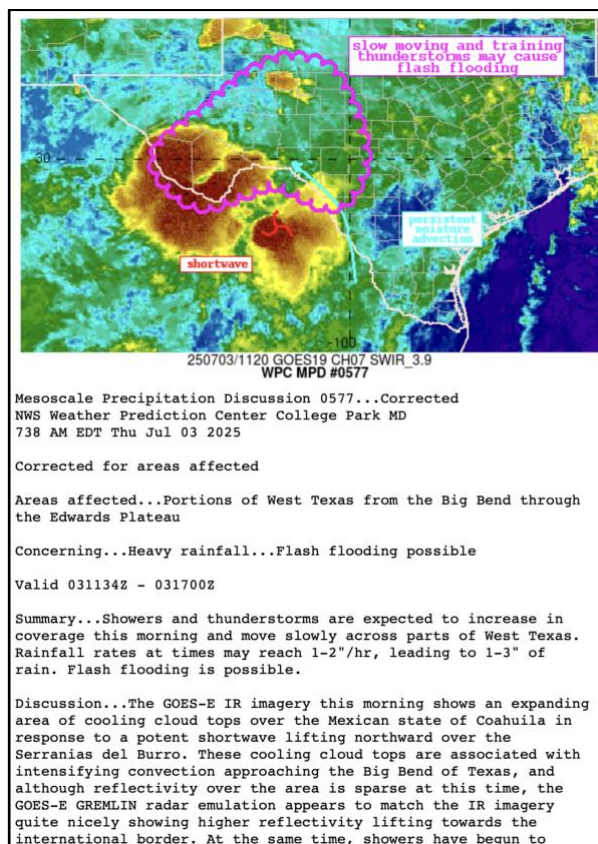
## Weekly Report

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

**GREMLIN at WPC:** GREMLIN (GOES Radar Estimation via Machine Learning to Inform NWP) is getting quick traction at the Weather Prediction Center (WPC) operations since being added to AWIPS on Monday. Two forecasters trained on the product by C. Smith referenced it on July 3 in a Mesoscale Precipitation Discussion (MPD) for West Texas where there is a gap in radar coverage. (POC: Kyle Hilburn, CIRA, [kyle.hilburn@noaa.gov](mailto:kyle.hilburn@noaa.gov); Christopher L. Smith, CISS, [christopher.l.smith@noaa.gov](mailto:christopher.l.smith@noaa.gov); Funding: GOES-R).



**Figure.** GREMLIN was mentioned in a Mesoscale Precipitation Discussion (MPD) by WPC.

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

### **Awards and Recognition**

### **Media Interactions and Request**

Naufal Razin did a Zoom interview with WTSP News in Tampa Bay, FL on the potential impacts of the loss of the Special Sensor Microwave Imager/Sounder (SSMIS) data on the ability of forecasters to forecast hurricanes. The U.S. Department of Defense announced that they will no longer be processing and distributing SSMIS data beyond June 30 2025 (now extended to July 31 2025). There are three satellites carrying the SSMIS sensor currently in orbit, and they provide crucial information on hurricane structure. Snippets from the interview were used in the news segments found here: <https://youtu.be/ShQLWmMqChA?feature=shared> and here: <https://youtu.be/tcTWSfjYvE8?feature=shared> (POC: N. Razin, [naufal.razin@colostate.edu](mailto:naufal.razin@colostate.edu))

### **Blog Posts and Social Media**

**New Satellite Liaison Blog Post:** Bill Line published a blog post titled “[Southwest Thunderstorms – Late June 2025](#)”. The post features applications of GOES and JPSS satellite products during a marginally severe convective event in the southwest US, including how products were used by NWS offices. See Figure below. (POC: Bill Line, [bill.line@noaa.gov](mailto:bill.line@noaa.gov), 970-279-1832)

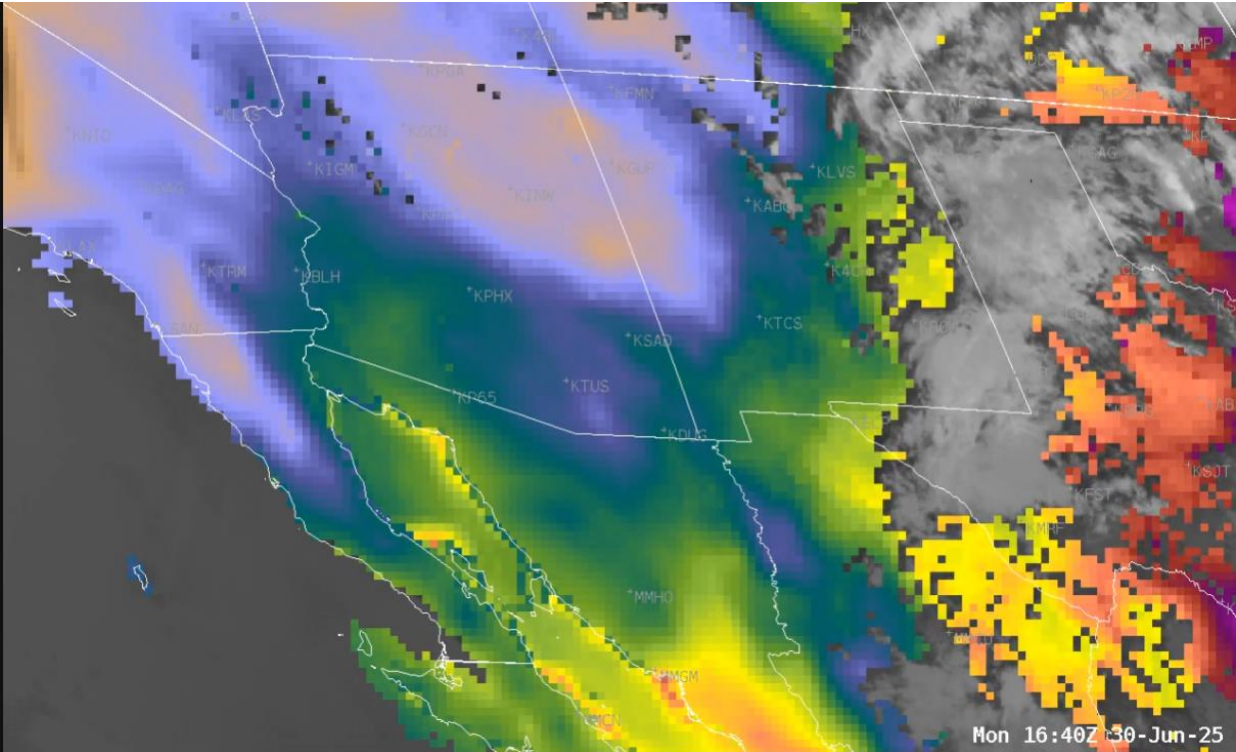


Figure: The GOES TPW product, leveraged by NWS Tucson, AZ on 30 June 2025, captured better moisture east of Tucson near the AZ/NM border and east into southwest NM.

**Travel, Workshops, Conferences, and Meeting Reports**



AMS 52nd Conference on Broadcast and Digital Meteorology and 21st Conference on Mesoscale Processes: Dakota Smith and Josh Reiter of the Imagery Production Team traveled to Boise, Idaho to attend the annual AMS conference on broadcast and digital meteorology from June 24 -26, 2025. This conference promoted interaction, collaboration, and networking among meteorologists in the field of broadcast, research, and beyond, as well as the sharing of experiences and education through various sessions and presentations. Dakota and Josh both gave in-person presentations at the conference; focusing on the inclusion of high-profile satellite imagery in major media outlets when telling the weather story, and the impact and aftermath of meteorological events seen from JPSS satellites. (POC: D Smith, [dakota.smith@colostate.edu](mailto:dakota.smith@colostate.edu))

J. Reiter [josh.reiter@colostate.edu](mailto:josh.reiter@colostate.edu), CIRA) Funding: GOES-R; JPSS

**Training and Education activities**

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

**Other**