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 post released by Google DeepMind on AI for hurricane forecasting: Google DeepMind released a blog post on June 12, 2025 featuring their new AI model for tropical cyclone forecasting and associated web portal that shows real-time forecasts: https://deepmind.google/discover/blog/weather-lab-cyclone-predictions-with-ai/ . The blog post also featured developers' partnership with CIRA for model evaluation. (POC: K. Musgrave, M. DeMaria, A. Brammer, J. Martinez, J. Franklin, CIRA, kate.musgrave@colostate.edu, Funding: STI)

Interview with WLOS News on AI for hurricane forecasting: M. DeMaria did a Zoom interview with WLOS News in Asheville, NC on using artificial intelligence for hurricane forecasting. Research at CIRA on evaluating AI weather prediction (AIWP) models for hurricane track and intensity forecasting, including evaluating the new Google DeepMind AIWP model in real time during the 2025 Hurricane Season was described. In response to a question about how the public should use the new models, it was stressed that they should still go to official government sources for evacuation and other mitigation decisions. (POC: M. DeMaria, CIRA, mark.demaria@colostate.edu, Funding: STI)

Blog Posts and Social Media

Travel, Workshops, Conferences, and Meeting Reports

Training and Education activities
JPSS VISIT Teletraining Session: J. Torres (CIRA) led a VIIRS Active Fires product teletraining session on 4 June 2025; one non-NOAA user (i.e., Network of Meteorological Stations - Argentina) attended the session. (POC: J. Torres, CIRA, jorel.torres@colostate.edu, Funding: JPSS)

New JPSS Quick Guide! The *VIIRS Day Cloud Phase Distinction RGB* Quick Guide is now published for forecasters to access online. CIRA, GINA, and NOAA/NESDIS collaborated on the development and review of the reference material. Refer to the quick guide link: https://rammb2.cira.colostate.edu/guides/viirs-day-cloud-phase-distinction-rgb. (POC: B. Line, NOAA/NESDIS, C. Seaman, D. Hillger, E. Sanders, B. Connell, and J. Torres, CIRA, jorel.torres@colostate.edu, Funding: JPSS)

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

Other