

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

Travel, Workshops, Conferences, and Meeting Reports

Satellite Book Club (SBC) Seminar on VIIRS Imagery for Fires: Curtis Seaman (CIRA) presented this week's SBC Seminar, titled "VIIRS Imagery for Fire & Smoke Detection and Monitoring". This talk highlighted a variety of both established and novel imagery products for fire detection using VIIRS. Examples of established products include *GeoColor*, the Day Fire RGB and Fire Temperature RGB (developed at CIRA), which have been recognized by the WMO for having demonstrated value and use. Newer and more advanced imagery products we are working to add to AWIPS include: the NGFS Microphysics RGB, Shortwave Albedo, the Day/Night Fire Temperature product and *GeoFire*. All were discussed during this seminar. A recording of this seminar will be made available on the TOWR-S YouTube channel shortly. (POC: Curtis Seaman, CIRA; curtis.seaman@colostate.edu) Funding: JPSS

Welcome to the Satellite Book Club Seminar Series!

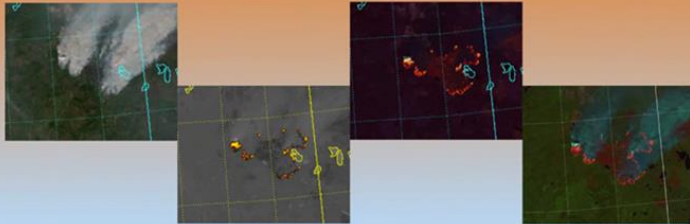


Presenter: Curtis Seaman,
Research Scientist,
CIRA at Colorado State University



Total Operational Weather Readiness – Satellites (TOWR-S) Team
NWS Office of Observations | GOES-R Program Office
JPSS Program Office

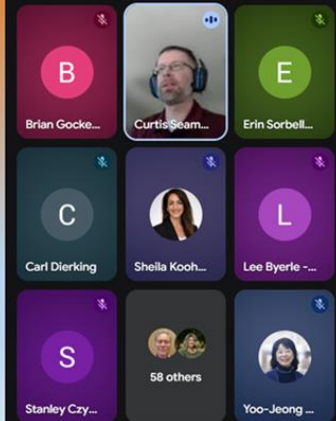
VIIRS Imagery for Fire & Smoke Detection and Monitoring



Curtis Seaman¹
with contributions from
Jorel Torres¹, Josh Reiter¹, Kim Erickson¹
Carl Dierking² and Jen Delamere²



Satellite Book Club Seminar Series (2 April 2026)



Training and Education Activities



Left: AMPS - LEO Satellite Workshop on 25 March 2026 in Fairbanks, AK. **Right:** J. Torres (CIRA) visits NWS WFO - Juneau, AK, on 30 March 2026.

AMPS 2026, LEO Satellite Workshop and visits to Alaska WFOs: J. Torres (CIRA) attended the 2026 Arctic METOC Partnership Summit (AMPS) from 23-27 March 2026 in Fairbanks, Alaska. Torres also participated and presented on the **'Visible Infrared Imaging Radiometer Suite (VIIRS)'** at the AMPS LEO Satellite Workshop, which was held on 25 and 26 March 2026. CIRA also created a webpage to host the training materials for the LEO Satellite Workshop, seen here: <https://rammb2.cira.colostate.edu/training/2026-amps-meeting-leo-satellite-workshop/>. Additionally, CIRA, GINA, CIMSS, and the LEO Satellite Program visited and interacted with NWS forecasters at WFO Fairbanks, AK, and collected forecasted feedback on the usage of satellite products in operations and identified the unique forecasting challenges for Fairbanks, AK. Torres then traveled to WFO - Juneau, AK, on 30 March 2026 and interacted with forecasters and collected their feedback on the usage of satellite data in operations. (POC: Jorel Torres, CIRA; jorel.torres@colostate.edu) Funding: JPSS.

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

Other