

The background of the slide is a photograph of three reindeer standing in a field of dry, brownish grass. In the distance, there are large, rugged mountains with patches of snow under a clear blue sky. The reindeer are positioned in the lower half of the frame, with their heads and antlers clearly visible. The central reindeer is facing away from the camera, while the two on either side are facing towards the left.

**Arctic Boreal Vulnerability Experiment (ABoVE)
2024 ABoVE L-band SAR Airborne Flights**

**13 August 2024 (DOY 226)
Edwards AFB – Great Falls MT – Yellowknife NT**

**Charles Miller, Deputy Science Lead
Jet Propulsion Laboratory, California Institute of Technology
and the ABoVE Science Team**

**For Ryan Pavlick, Kathy Hibbard, Laura Lorenzoni, Bruce Tagg, Jack Kaye
NASA HQ
2024**



13 August 2024/DOY 226

Edwards AFB – Great Falls MT – Yellowknife NT



Daily Summary:

- **C-20A (N802NA) L-band SAR ABoVE CAMPAIGN (CANADA / ALASKA)**
- REPORT DATE: 13 August 2024
- Current Status of Aircraft: **GREEN**
- Current Status of SAR: **GREEN**
- Current Status of PPA: **GREEN**
- Current Deployment Location: Yellowknife NT (CYZF)
- Crew: Nelson, Ginn, Reid, Griffith, Austerberry, Peacock
- Science Coordinator: N Pinto
- Science Lead: C Miller
- Project Manager: Y Lou



13 August 2024/DOY 226

Edwards AFB – Great Falls MT – Yellowknife NT



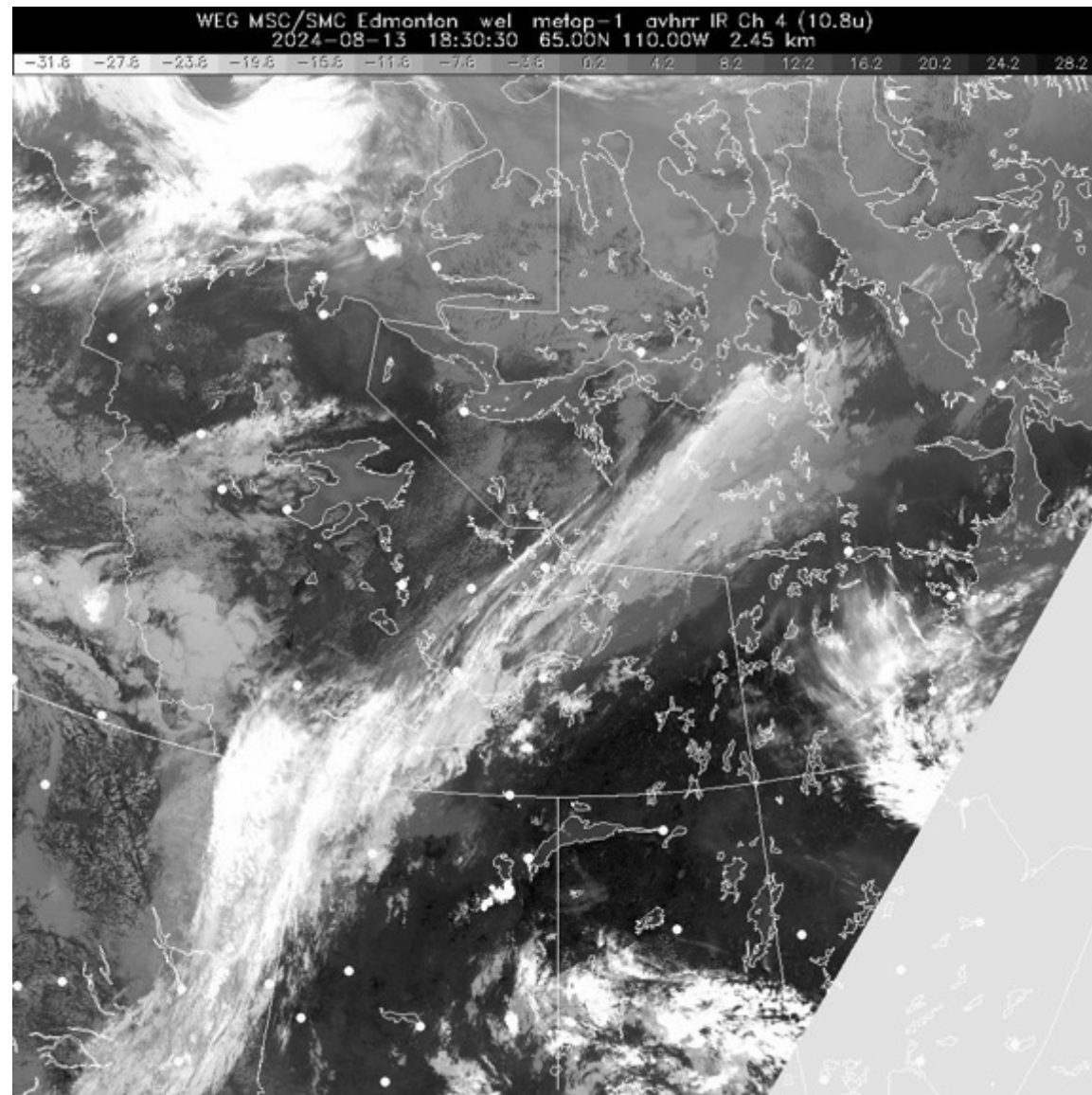
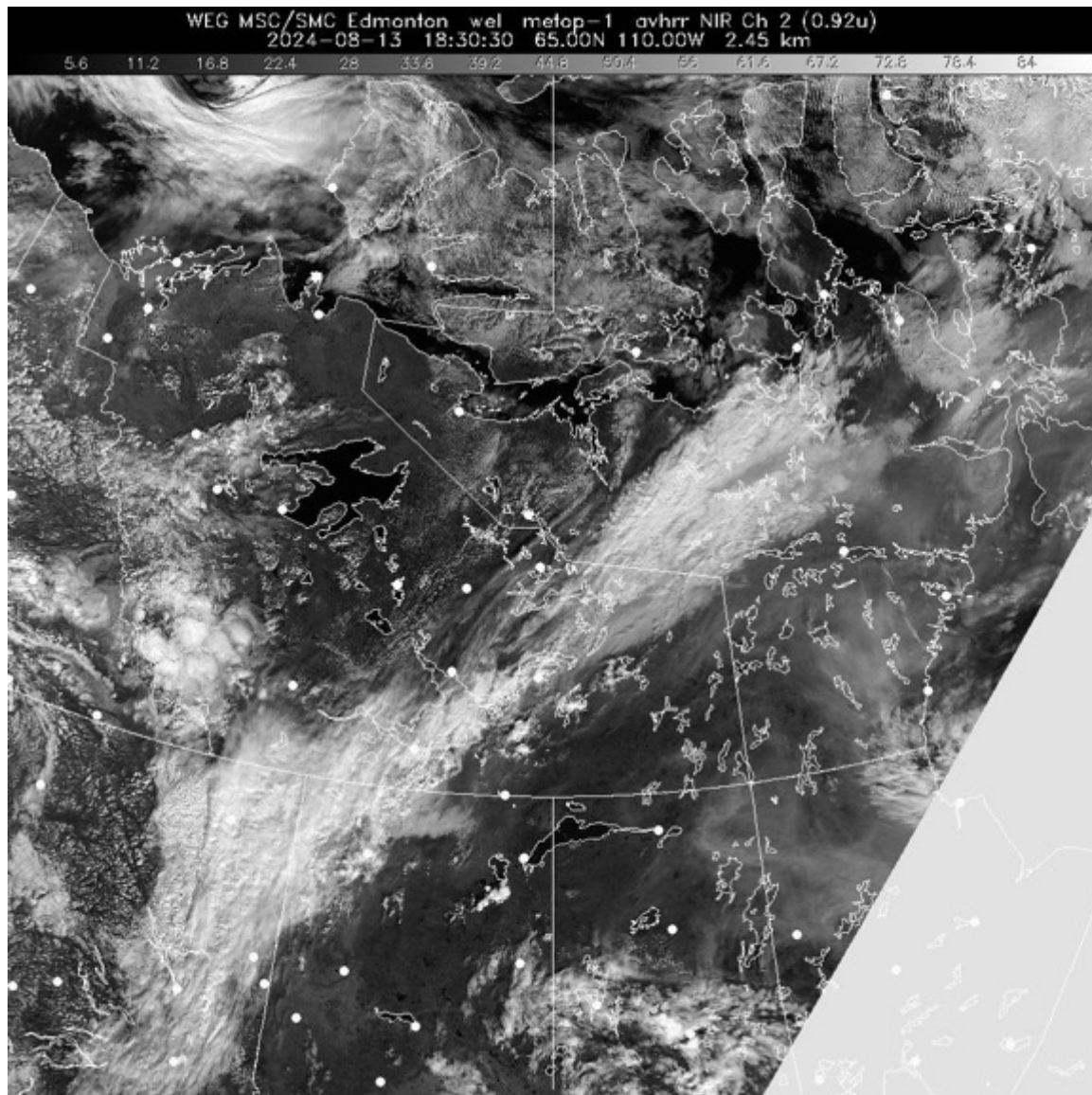
Daily Summary:

- Transit + Science Flight – Edwards AFB –Great Falls MT (KGTF) to Yellowknife (CYZF)
- Collected 8 of 8 data lines
- Flight Plan – peacock_0689
- Significant fire smoke throughout the flight.
- Precip < 3 mm in Hay River. No measurable precip in Yellowknife
- Windshield heater repaired



13 August 2024/DOY 226

Edwards AFB – Great Falls MT – Yellowknife NT

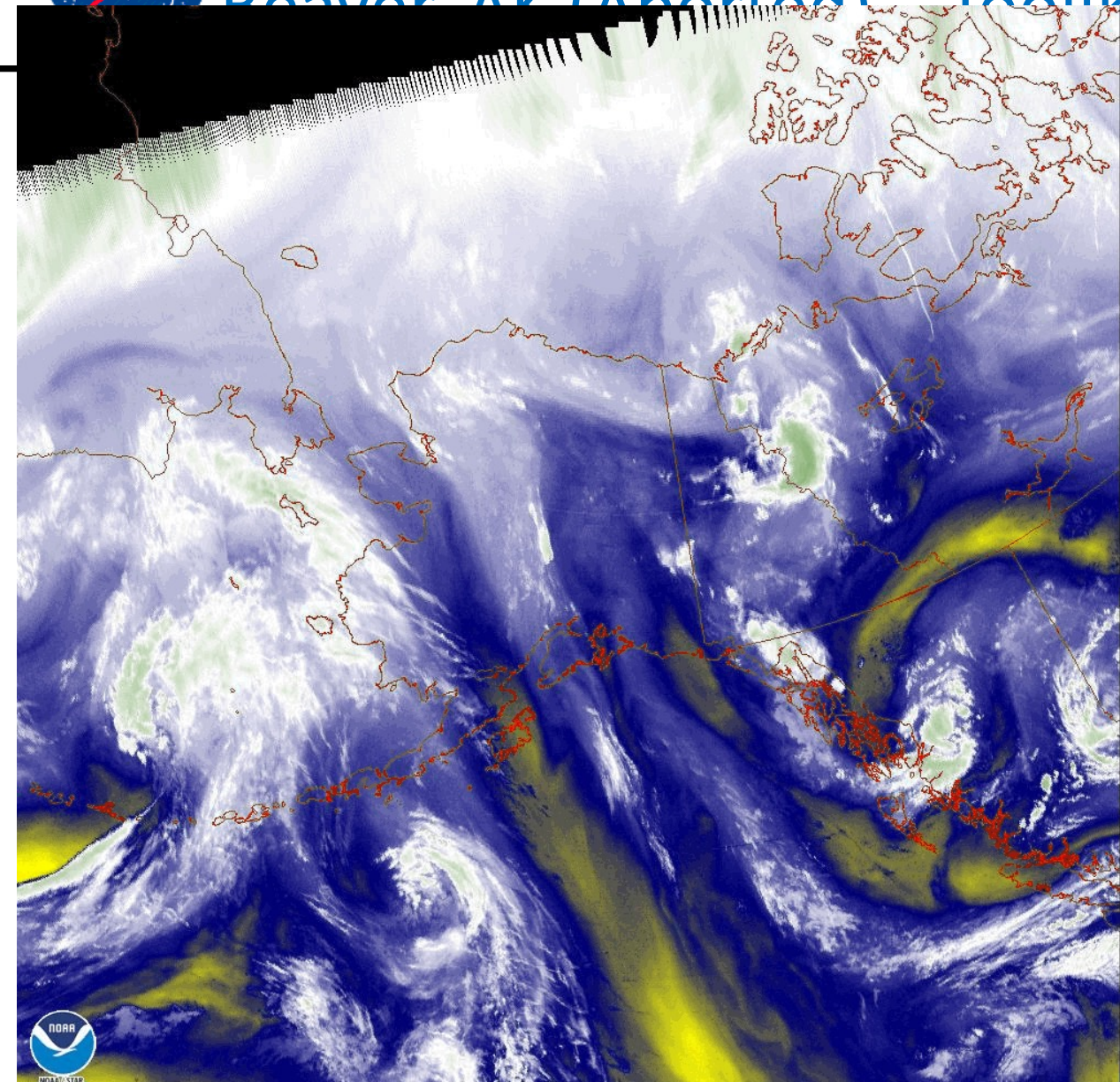




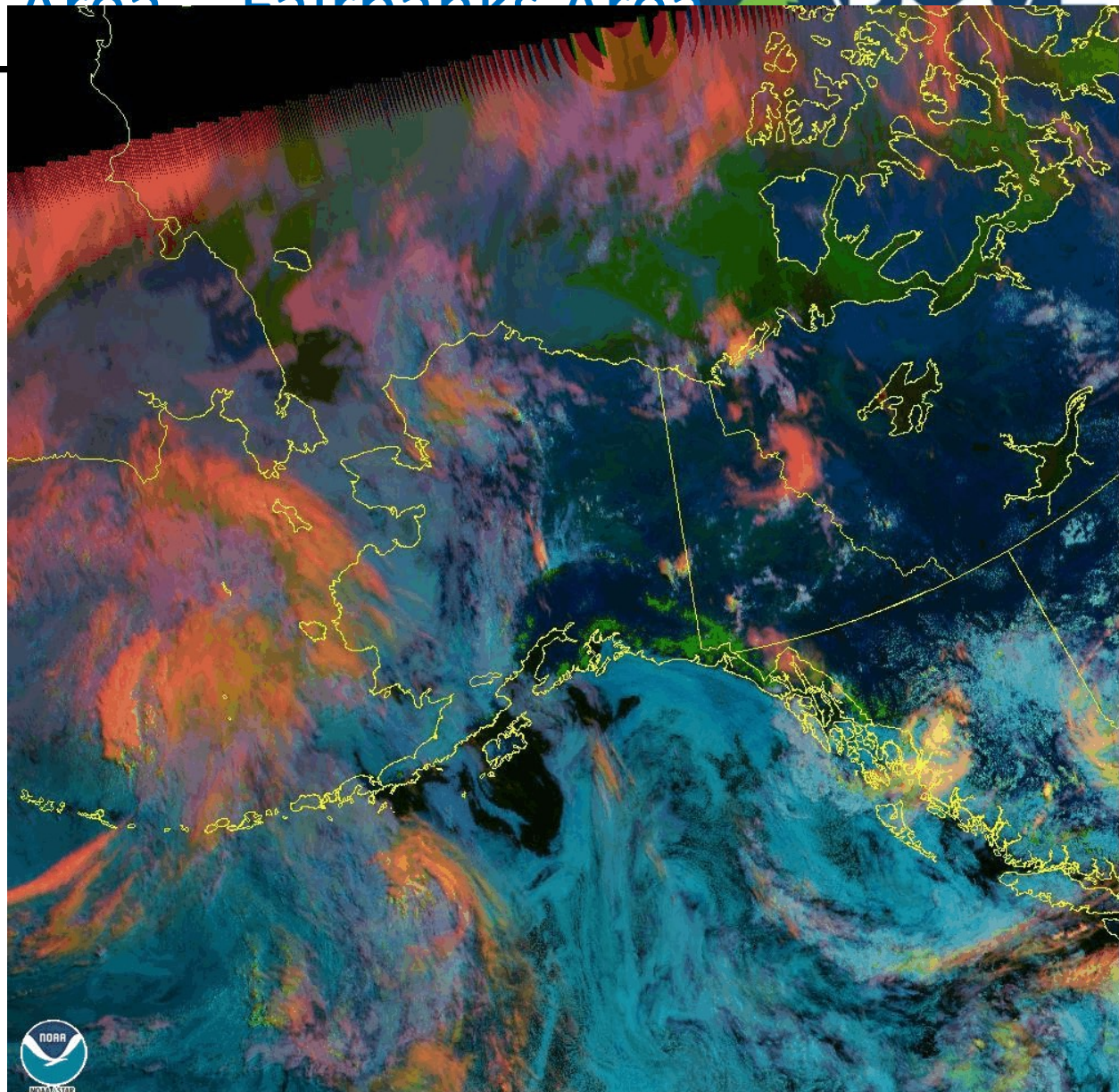
5 July 2022/DOY 185



Beaver AK (Aborted) Toolik Area Fairbanks Area



05 Jul 2022 18:50Z - NOAA/NESDIS/STAR GOES-West - Band 10

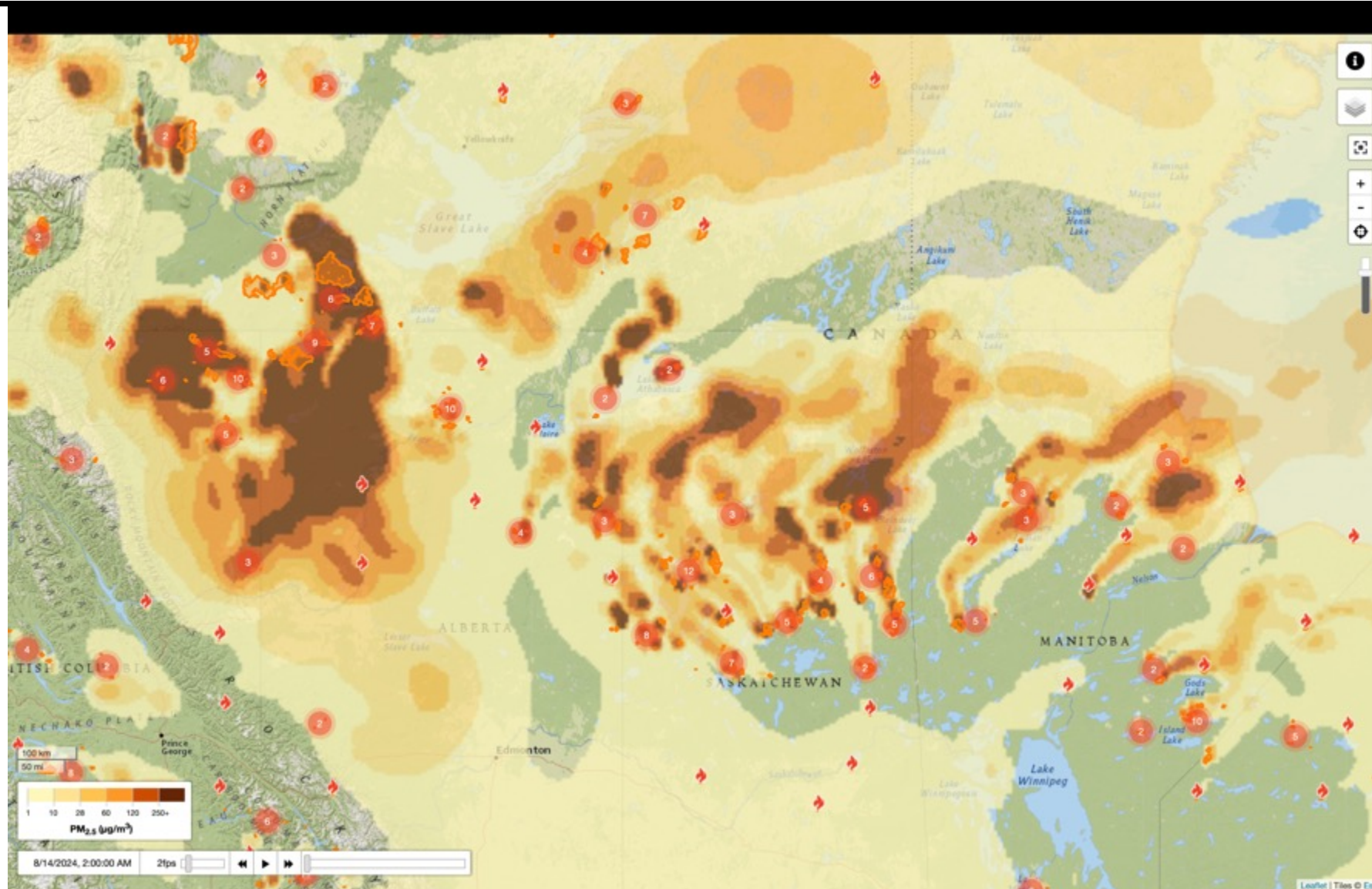


05 Jul 2022 18:30Z - NOAA/NESDIS/STAR GOES-West - DayCloudPhase Composite



13 August 2024/DOY 226

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13 August 2024/DOY 226

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Flight Plan Report: peacock_0689

[https://uavsar.jpl.nasa.gov/cgi-bin/report.](https://uavsar.jpl.nasa.gov/cgi-bin/report)

Data Acquisitions:

Line 1: redear_00029

Line 2: padeIW_18035

Line 3: padeIE_36000

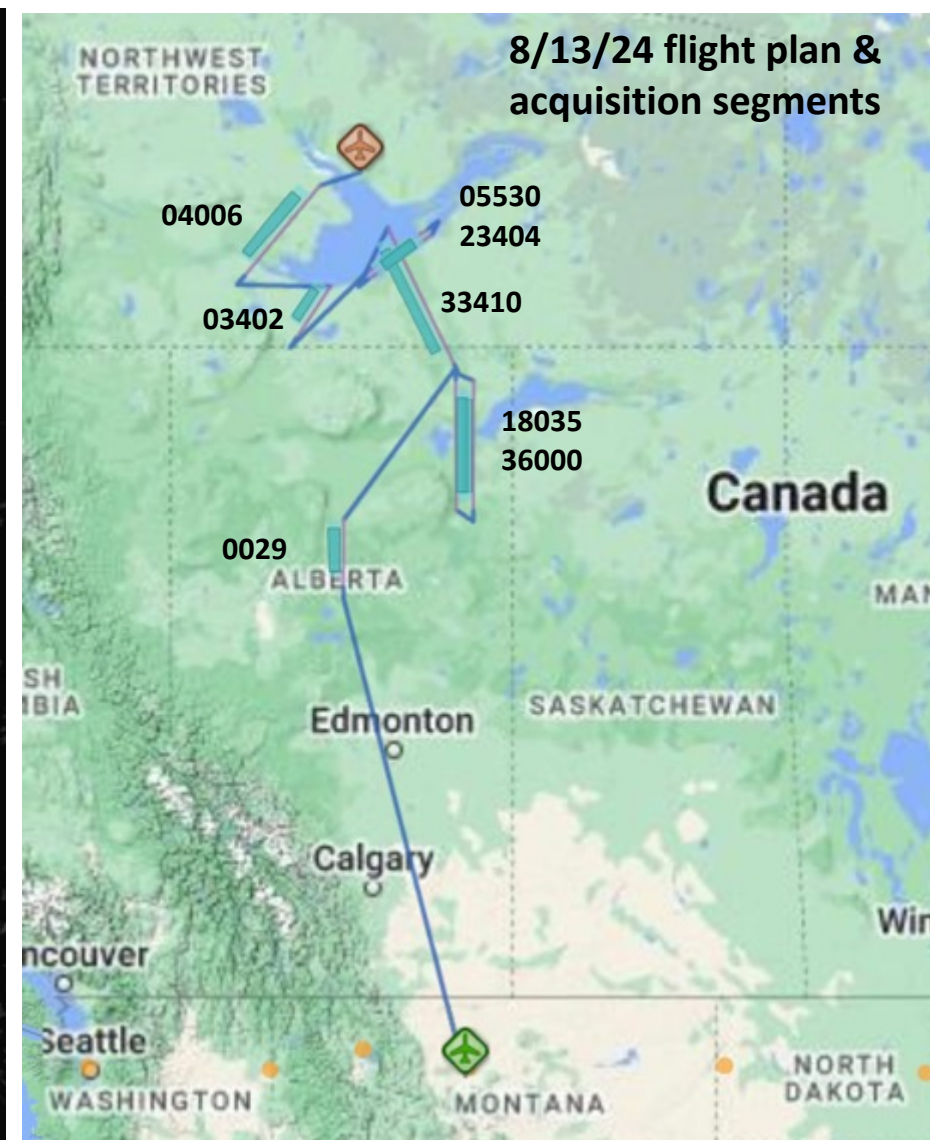
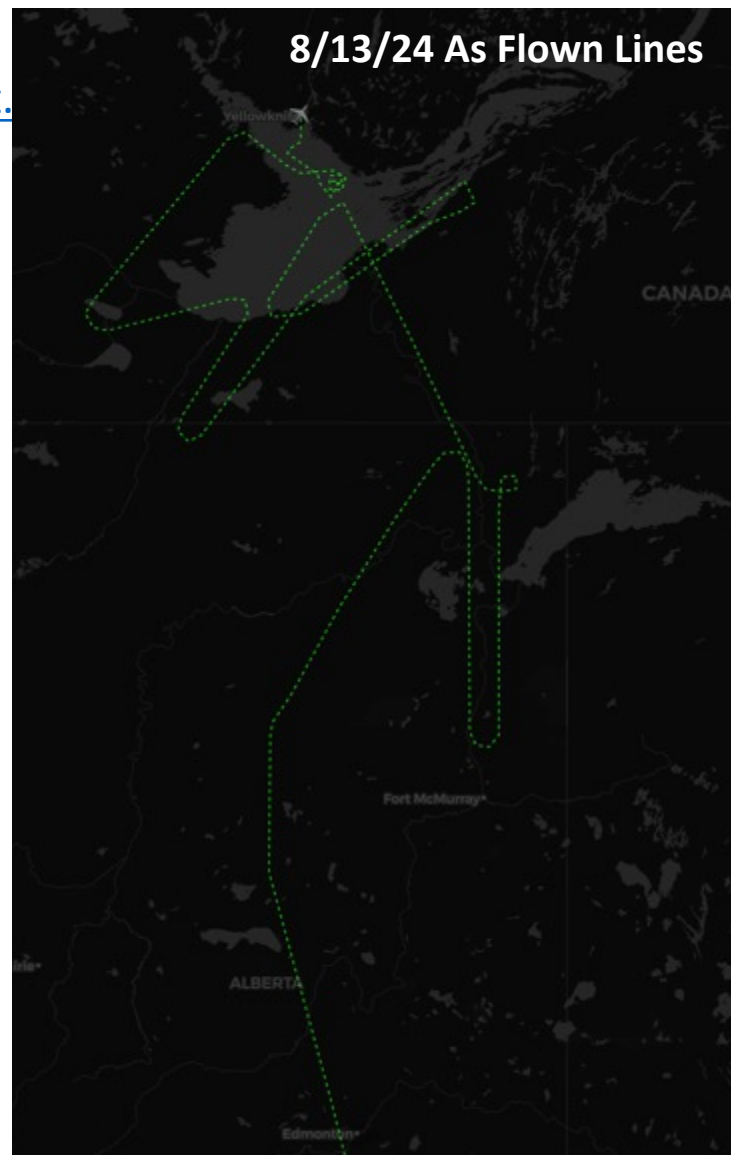
Line 4: fsmitN_33410

Line 5: ftresN_05530

Line 6: ftresS_23404

Line 7: hayriv_03402

Line 8: provid_04006





13 August 2024/DOY 226

Edwards AFB – Great Falls MT – Yellowstone NT

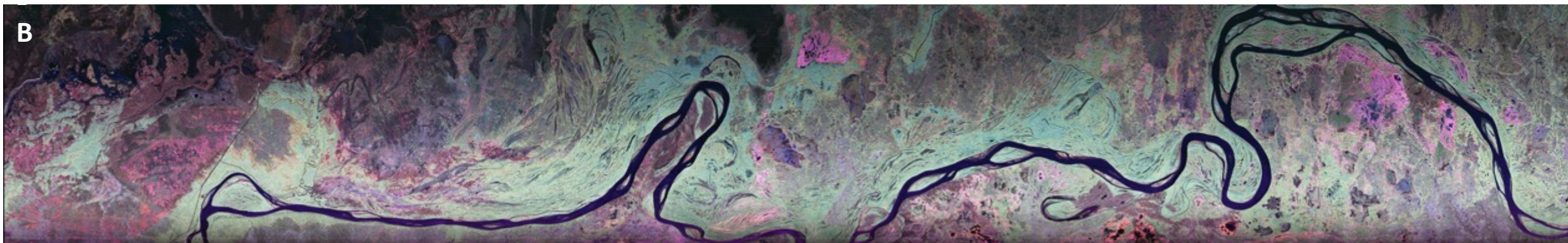
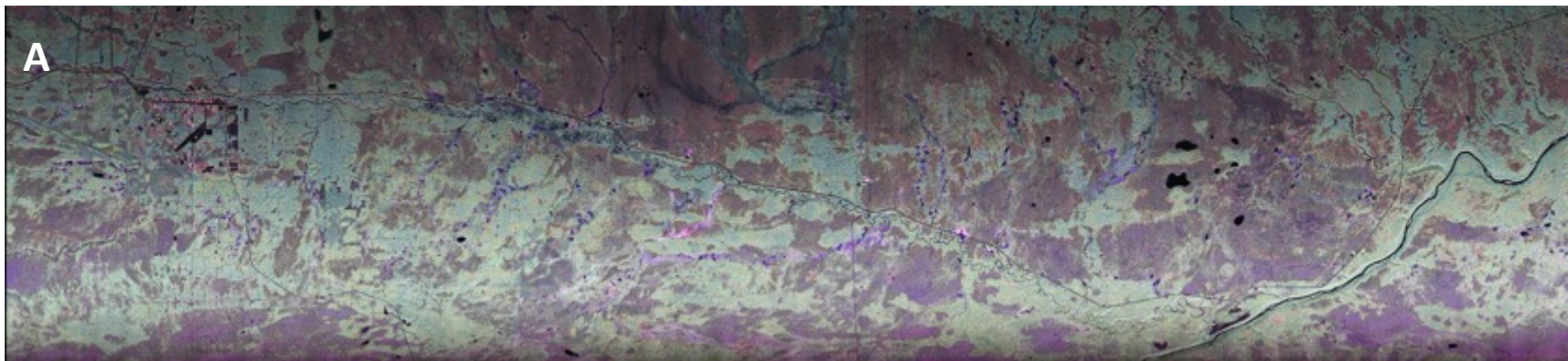


UAVSAR Quick-look products

A. Line 1: redear_00029

B. Line 4: fsmiN_33410

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13 August 2024/DOY 226

Edwards AFB – Great Falls MT – Yellowstone NT

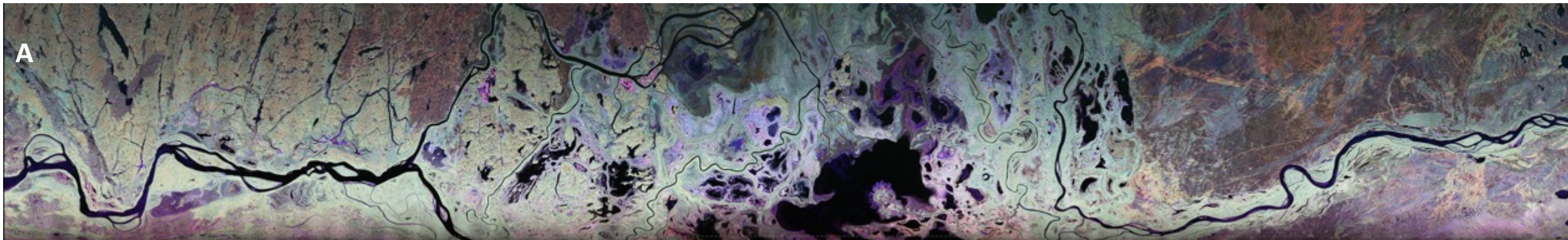


UAVSAR Quick-look products

A. Line 2: `padeIW_18035`

B. Line 3: `padeIE_36000`

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13 August 2024/DOY 226

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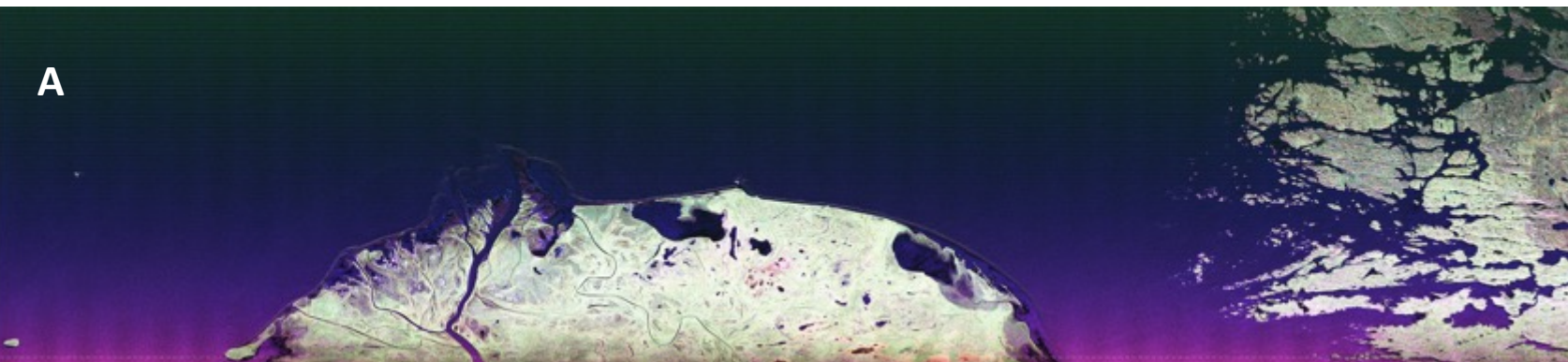
UAVSAR Quick-look products

A. Line 5: ftresN_05530

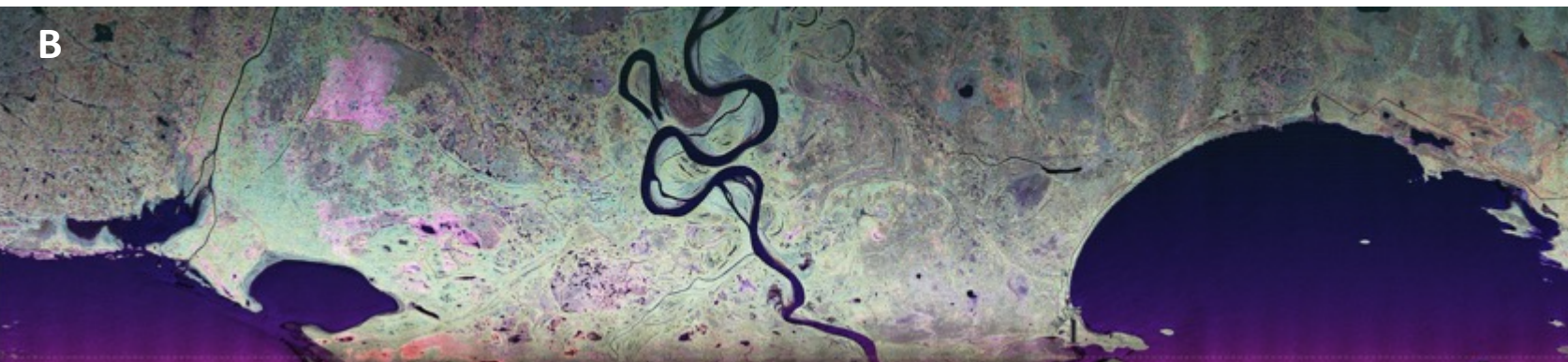
B. Line 6: ftresS_23404

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A



B





13 August 2024/DOY 226

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UAVSAR Quick-look products

A. Line 7: hayriv_03402

B. Line 8: provid_04006

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13 August 2024/DOY 226

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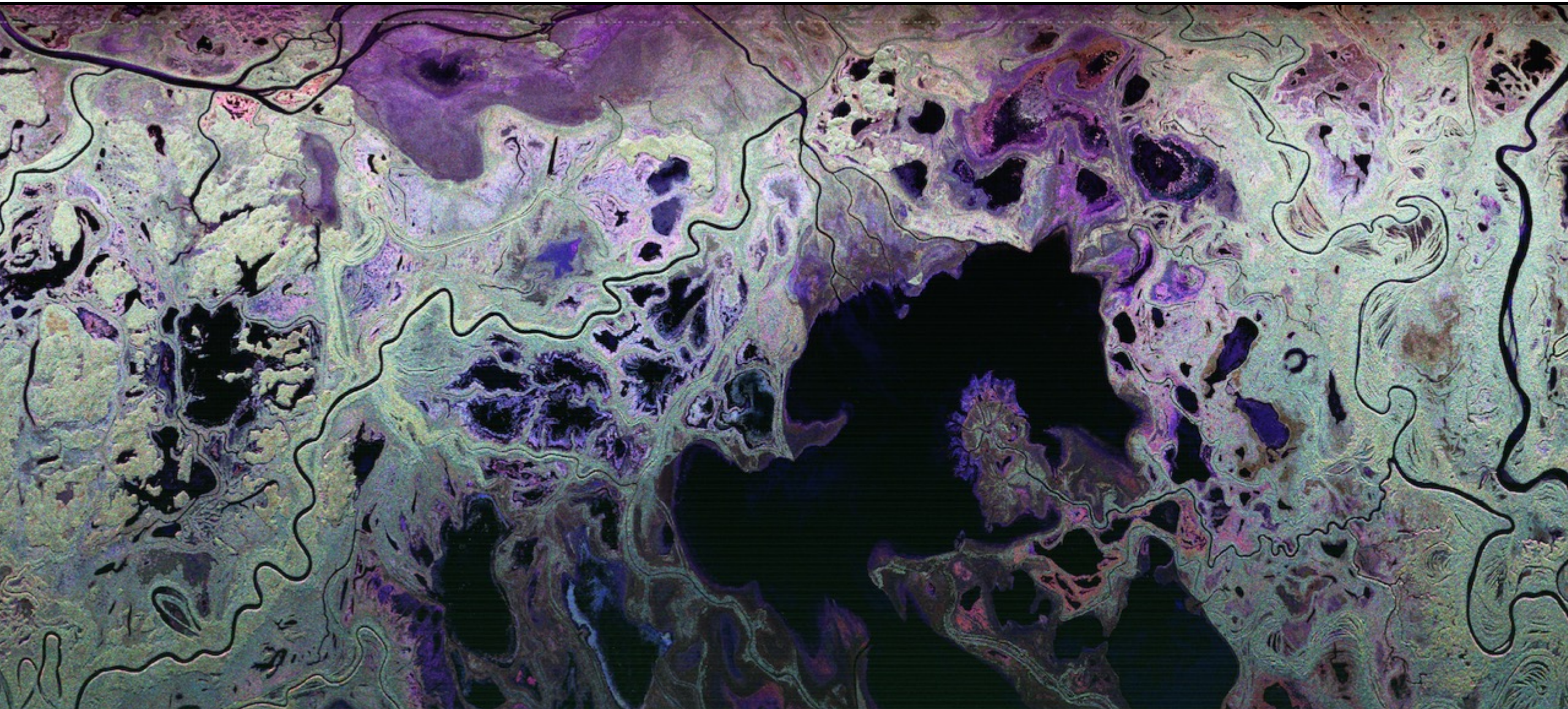


Note from Dr. Laura Bourgeau-Chavez: No rain today in Fort Providence [line 04006]. Found permafrost in a treed fen and a sedge fen. Got a perfect soil profile and everyone wanted to pose with it.





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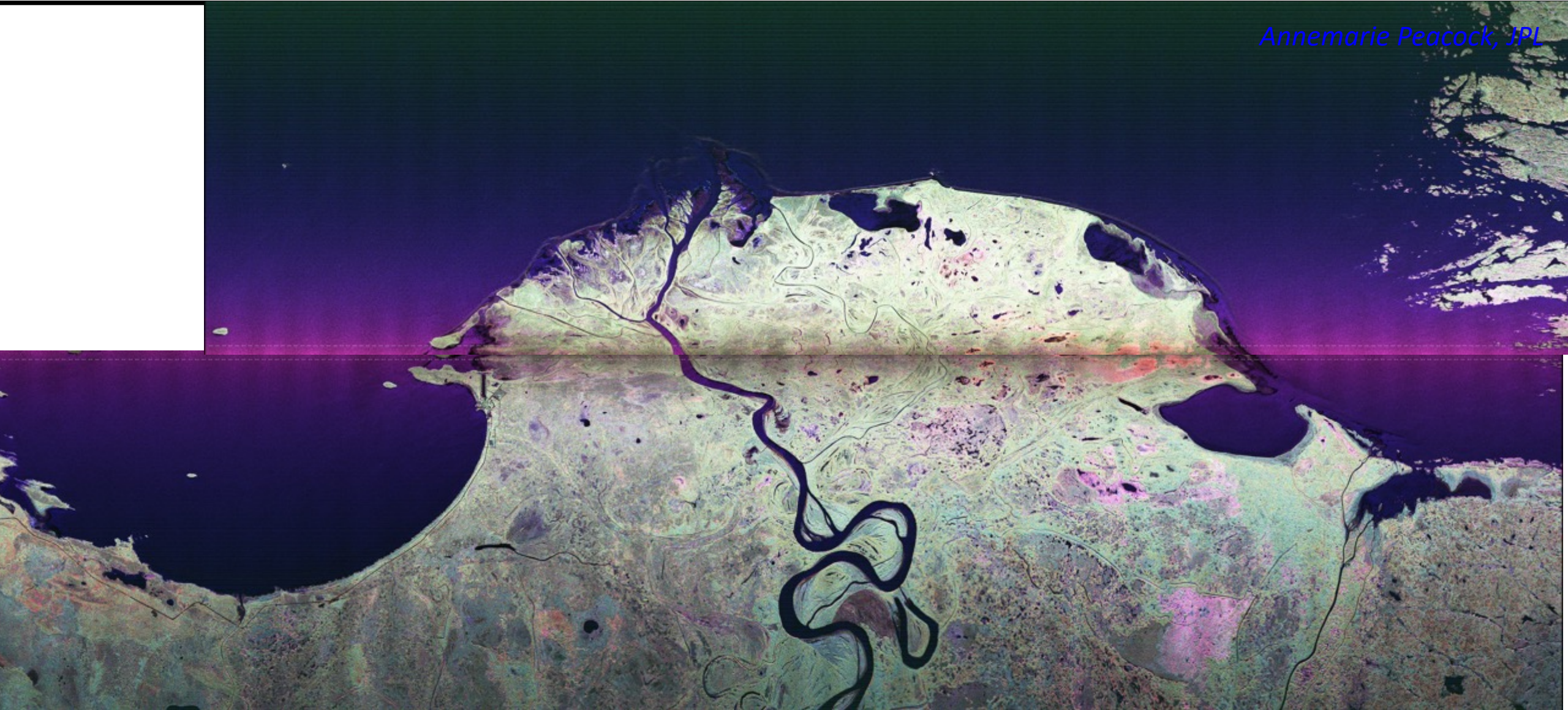




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13 August 2024/DOY 226
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BACKUP



13 August 2024/DOY 226

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Fort Chipeweyan Web Cams

