

This is your quasi-daily update on the 2023 ABoVE Airborne Campaign

Friday 14 July 2023

Chip Miller is returning to California.

Peter Griffith is in Fairbanks.

NASA ABoVE will conduct coordinated airborne and fieldwork in 2023. AVIRIS flights will be flown in Alaska and Canada during the months of July and August. Flights have been planned in coordination with NASA-funded investigators, PIs of affiliated projects, and representatives of Partner Organizations. The L-band SAR and G-LiHT instruments are planned to fly in 2024. ABoVE will coordinate with the AWI Perma-X Flight Campaign and [NEON AOP](#) teams. More information may be found on the summary page for the [ABoVE 2023 Airborne Campaign](#)

Sensor/Aircraft Summaries and Look Ahead

AVIRIS-3 (Dynamic Aviation B-200 [N53W](#))

July 13: Integration and testing completed.

July 14: Enroute to Fairbanks, ETA 2142 AKDT.

July 15: Hard down day to reset crew duty clocks.

July 16: First science flights from Fairbanks. The best options over the last few days have been around Whitehorse. Priorities for 2023 include:

- Barrow/Atqasuk/Ivotuk
- Deadhorse area
- Seward Peninsula/Kotzebue
- Fairbanks areas of interest, incl diurnal sampling of DJ/BNZ/CPCRW towers (2 sorties on same day)
- Whitehorse area
- Herschel Island mapping (northern YT, refuel in Deadhorse)

Perma-X Flight Campaign ([AWI Polar 6](#))

The second weekly report for the Perma-X 2023 airborne campaign with AWI Polar-6 based out of Inuvik, NW Canada, is posted to the ABoVE Airborne page. The report now has their first flights covered and an overview map of the flight paths to date. Guido Grosse reports: "Overall, our campaign is going smoothly, and we are very happy with the progress in data acquisition so far. We were able to cover several high priority areas of interest for us and our Canadian and German collaborators, including some areas of very high priority for the Inuvialuit / Gwich'in communities here. The weather cooled down a bit compared to the previous quite

hot days, and we expect some rainy weather later today and tomorrow, which means some more ground time before it hopefully gets better again over the weekend.”

NEON Airborne Observation Platform #1

NEON will base their [AOP Payload 1](#) in Fairbanks Alaska, **13 July to 21 August**, 2023, to fly NEON Domain 18. If you are interested in tracking NEON's 2023 season, [sign up to receive daily flight report emails by NEON Domain](#) or visit their [flight report archive](#). Please note, you will only receive emails during the time the AOP is in the Domain you have signed up to follow.

Weather Forecast: ABoVE Domain

July 16: Forecast is for relatively clear skies over the region between Dawson City and Whitehorse of Yukon.

July 17: Forecasted clearing around Fairbanks.

Fire activity

July 14: Fires around Delta Junction are having a slight impact on air quality around Fairbanks, [AQI = 16](#). There are [20 active fires](#) total in the entire state, [putting the fire season on track to a record low start](#). If the [BLM fire outlook holds](#), fire potential in July and August may remain low. Alaska firejumpers have been dispatched to Canada to help with the record-shattering number of wildfires.

There are numerous active fires in Northwest Territories having significant impact on air quality in areas of flight interest around Great Slave Lake and Scotty Creek, sometimes reaching as far north as Inuvik. [Canadian FireSmoke Forecasts](#)

BBQ Forecast

Friends in Fairbanks are invited to join me, the AVIRIS crew, and the J. Watts and K. Miner teams **Monday 17 July** at the ABoVE logistics office beginning 18:00 AK. I will be grilling burgers, beyond burgers, and various sausages. Please bring something to drink and a dish to share. Because of the construction on University, come from the south, and turn right into Alaska Auto Rentals.

If you do not wish to receive the daily airborne briefing, you may unsubscribe at any time by sending an email to support@cce.nasa.gov with "Unsubscribe Airborne Daily" as the subject.