

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

## **Tuesday 18 July 2023**

Chip Miller is in 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 16: First science flight from Fairbanks. The weather forecast delivered clear skies around the region between Whitehorse and Kluane Lake.

July 17: Unexpectedly excellent weather on the Seward Peninsula led us to pivot to fly that region. All the lines around Kotzebue and the Seward Peninsula were collected. N53W did a gas-and-go in Nome before returning to Fairbanks.

July 18: Flying north to take advantage of the clear weather system that is moving across Noatak and Utqiagvik. The flight crew will overnight in Utqiagvik.

July 19: Forecast calls for even better clear conditions around Utqiagvik. Plan to finish there and return to Fairbanks in the evening.

Priorities for 2023 include:

- Barrow/Atqasuk/Ivotuk
- Deadhorse area
- Fairbanks areas of interest, incl diurnal sampling of DJ/BNZ/CPCRW towers (2 sorties on same day)
- Herschel Island mapping (northern YT, refuel in Deadhorse)
- Mackenzie Delta and Trail Valley sites
- Whitehorse area (mostly done on 16 July)
- Seward Peninsula/Kotzebue (done on 17 July)

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

See the weekly report for the Perma-X 2023 airborne campaign with AWI Polar-6 based out of Inuvik, NW Canada, posted to the ABoVE Airborne page. It appears they made additional science flights on 15 and 17 July.

### **NEON Airborne Observation Platform #1**

NEON has 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**

### **Fire activity**

July 17: There are only [19 active fires](#), out of 156 total fires year to date 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 Report**

ABoVE field teams, the AVIRIS flight crew, and our friends from NEON enjoyed socializing over moose burgers, moose sausages, and wild-caught salmon, all harvested for our dining pleasure by Tom Douglas. A splendid time was had by all.

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