*This is the****SAR edition****of your quasi-daily update on the 2022 ABoVE Airborne Campaign*

Wednesday 17 August 2022

Chip Miller is in Yellowknife.

Peter Griffith is in Yellowknife.

Liz Hoy is on the way to Fairbanks.

More information may be found on the summary page for the [ABoVE 2022 Airborne Campaign](https://above.nasa.gov/airborne_2017.html#2022)

Compilation of [Quasi-Daily Flight Reports](https://above.nasa.gov/airborne_2017.html?tab=2022#reports) for all instruments

Ground validation teams will find active layer and soil moisture protocols and a recorded tutorial posted in the [SAR section 2022 Airborne page](https://above.nasa.gov/airborne_2017.html?tab=2022#sars)

The L-band SAR instrument is flying on the AFRC C-20 aka [NASA802](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fflightaware.com%2Flive%2Fflight%2FNASA802&data=05%7C01%7Cpeter.c.griffith%40nasa.gov%7C0a961c4914c0465f1db508da7f3fa947%7C7005d45845be48ae8140d43da96dd17b%7C0%7C0%7C637962208657661742%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=rY8l5I9jKEkdV%2FgmpfkNY4Y7dNxIBOCKwche7pc0O8g%3D&reserved=0). The P-band SAR instrument will fly on the JSC Gulfstream III aka [NASA2](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fflightaware.com%2Flive%2Fflight%2FNASA2&data=05%7C01%7Cpeter.c.griffith%40nasa.gov%7C0a961c4914c0465f1db508da7f3fa947%7C7005d45845be48ae8140d43da96dd17b%7C0%7C0%7C637962208657661742%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=jP9xCkK7qpamD%2Bqdr%2BRoDgm2A3bie3t%2FQYCbYPcsP84%3D&reserved=0).

See the [UAVSAR Calendar](https://uavsar.jpl.nasa.gov/science/calendar.html) for anticipated dates and links to the flight plans for each instrument.

***Done***

12 August: NASA802 L-band transited from Palmdale to Saskatoon.

14 August: [BERMS TomoSAR](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=naiara_2485#summary) science flight completed successfully.

15 August: [Transit to Yellowknife](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=naiara_2481#summary) science flight completed successfully.

16 August: [Local Yellowknife](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=naiara_2482#summary) science flight followed by an open house at FBO Det’on Cho Logistics (1600-1730 local time). No rain in forecast.

17 August: Backup day for NASA802.

***Looking forward***

18 August: NASA802 [Transit to Fairbanks](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=peacock_0425#summary) from Yellowknife

19 August: [Seward Peninsula](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=PLAN_1811_v01#summary) NGEE sites

20 August: [North Slope](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=PLAN_1812_v01#summary)

21 August: hard down day

22 August: [Mackenzie Valley](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=PLAN_1813_v01#summary)

23 August: [Southwest Alaska](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=PLAN_1814_v01#summary)\*; anticipated NASA2 transit from Palmdale to Fairbanks

24 August: [Local Fairbanks](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=PLAN_1815_v01#summary) Flight and Open House at FBO Alaska Aerofuels

25 August: NASA2 North Slope; NASA802 backup day

26 August: NASA2 Seward Peninsula; NASA802 transit to Palmdale with a gas-and-go in Portland to conduct a [science flight in British Columbia](https://uavsar.jpl.nasa.gov/cgi-bin/report.pl?planID=PLAN_1816_v01#summary) for NRCan glacier studies

**Important change to the P-band schedule:**JSC advised us that they now anticipate departing Palmdale for Fairbanks on 23 August. The delayed departure results in 1) the loss of coordinated same-day science flights with NASA802; and 2) the reduction in science flights from 4 to 3. We have decided to drop the Mackenzie Valley sortie from the P-band schedule to focus on acquiring the lines in Alaska that should be flown approximately 5 to 7 days previously by NASA802 with L-band. \* If NASA2 transits from Palmdale to Fairbanks on 23 August as currently projected, we will do the L-band “Local Fairbanks” sortie on 23 August and conduct the Southwest Alaska sortie with both planes on 24 August.