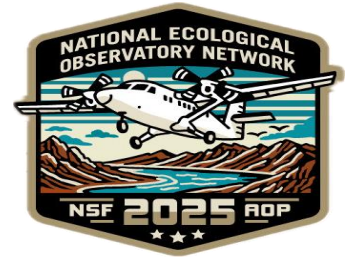




Payload 2 Daily Flight Report



Date: 2025-07-19

Flight Campaign ID: P2C1

Airport, FBO ID, City: Fairbanks International Airport (PAFA) - Fairbanks, AK; Fairbanks International Airport - Fairbanks, AK

Aircraft: N615AR

Domain: 19 (Taiga), 18 (Tundra)

Sites Flown: HEAL (Healy)

Days left in Domain: 19

Report Author: Nick

Lidar Operators: Nick

Spectrometer Operators: Mike

Pilots: Manning, Vince

Flight Hours: 02:08

Hours until maintenance: 77.82

GPS Instruments: C-FAI1, U-GRNX

Summary

Forecasts for clear skies in the HEAL collection area and smoke and thunderstorms at BONA. The crew took to HEAL and were greeted with light low cumulus clouds. Non-priority lines were collected.

Concerns

None.

Comments

Ground shipment has been delayed from Deadhorse and should not impact collections. Extractoin from today's flight will be delayed until the HK arrives.

Daily Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

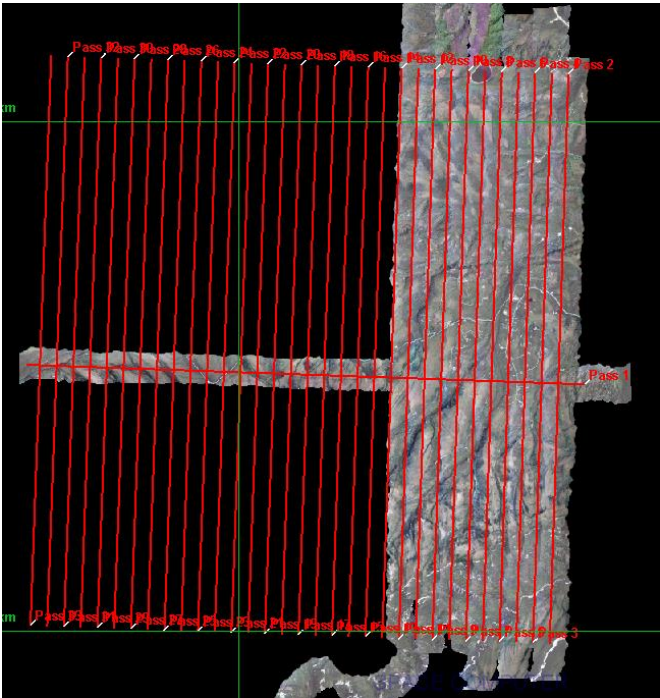
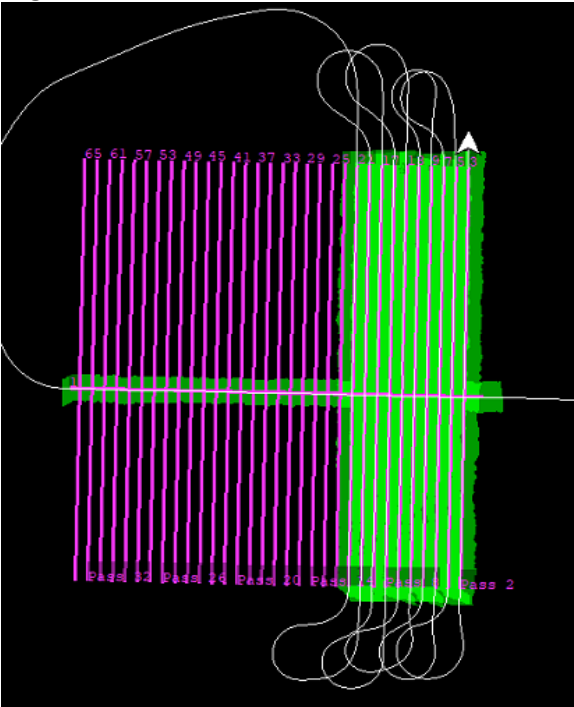
Solar Angle Less Than 40 degrees: (*)

D19|HEAL

Line #	2	3	4	5	6	7	8	9	10	11
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

Total number of lines flown: 10

Flight Screenshots



Pictures

None.

Cumulative Domain Coverage

D19|BONA (Caribou Creek and Poker Flats Watershed)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46														

Flown: 0% (0/46)
Green: 0% (0/46)
Yellow: 0% (0/46)
Red: 0% (0/46)
* Flown within 35deg solar angle

D19|DEJU (Delta Junction)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32								

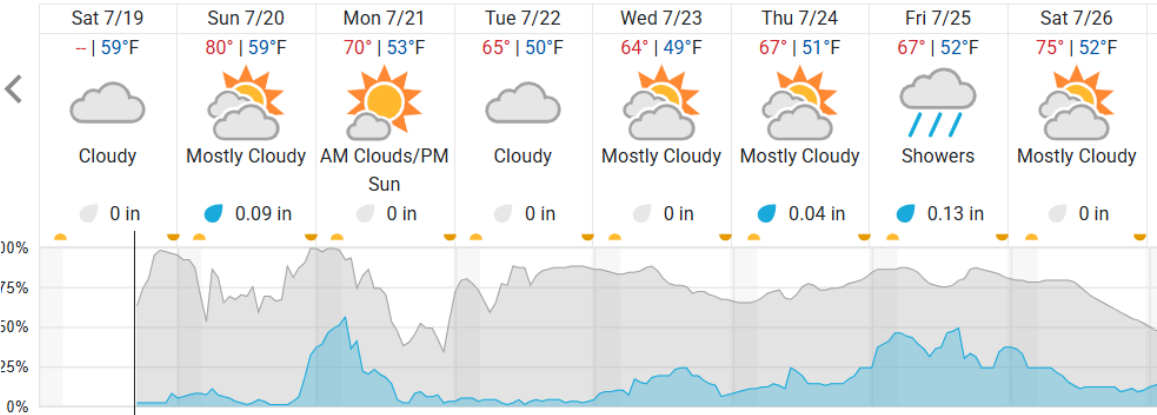
Flown: 0% (0/32)
Green: 0% (0/32)
Yellow: 0% (0/32)
Red: 0% (0/32)
* Flown within 35deg solar angle

D19|HEAL (Healy)

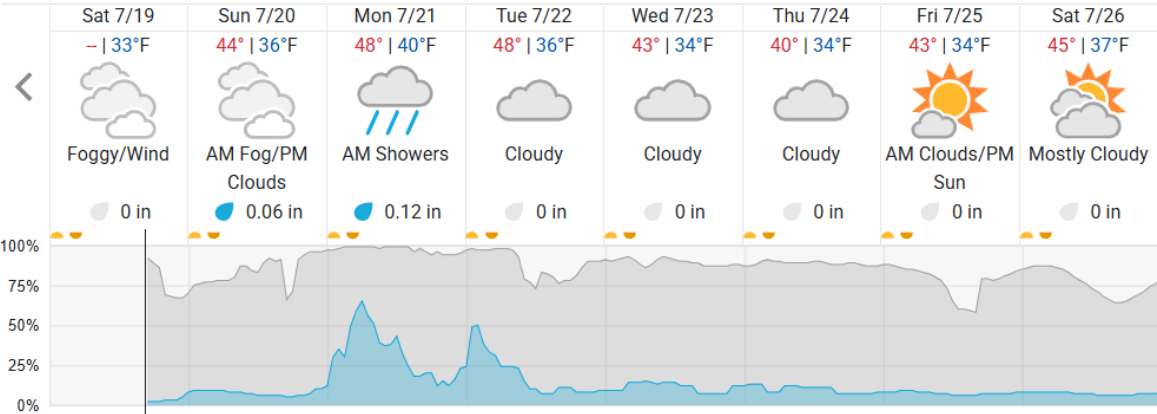
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33							

Flown: 33% (11/33)
Green: 0% (0/33)
Yellow: 33% (11/33)
Red: 0% (0/33)
* Flown within 35deg solar angle

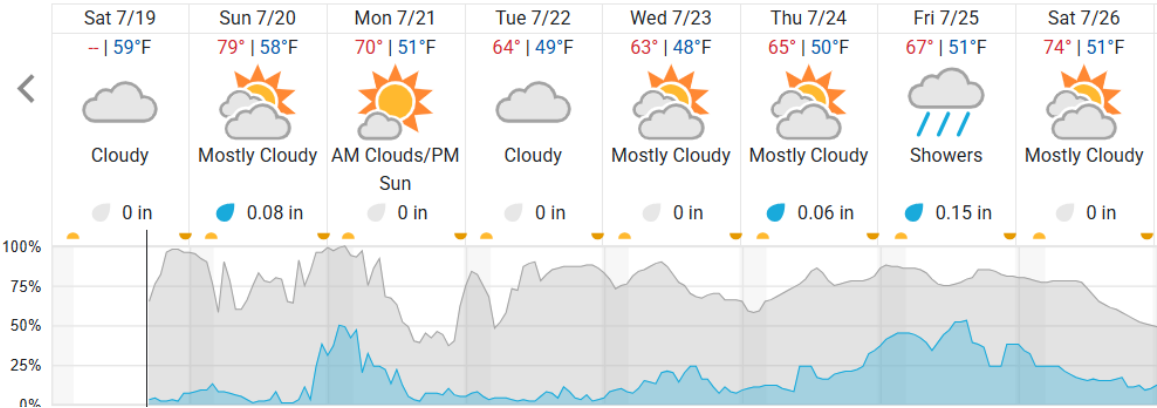
Weather Forecast
Fairbanks, AK (FBO-PAFA)



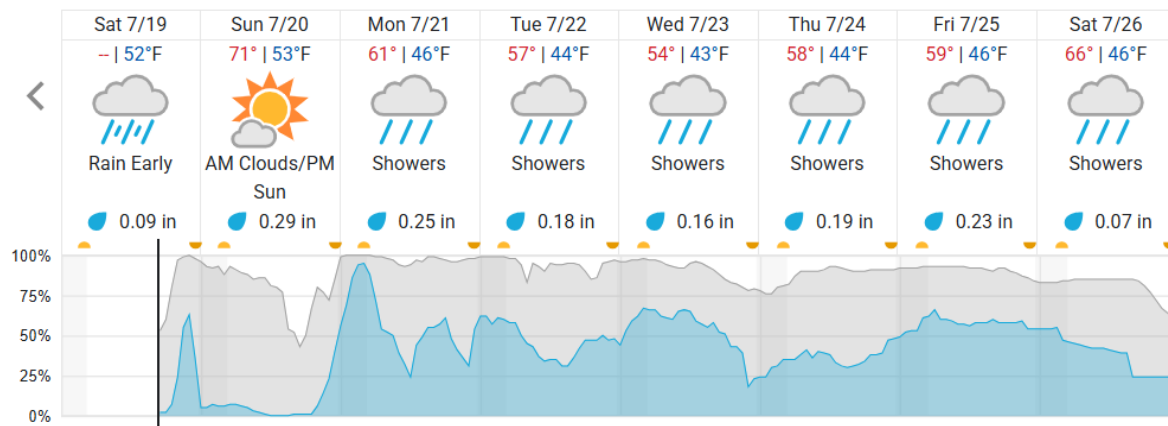
Weather Forecast
Utqiagvik, AK (BARR)



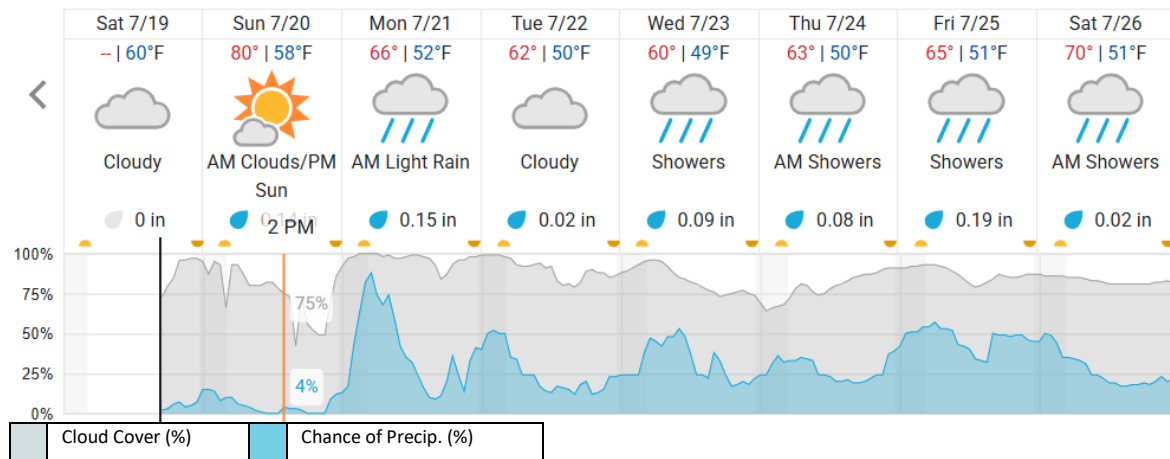
Weather Forecast
Goldstream Creek, AK (BONA)



Healy, AK (HEAL)



Delta Junction, AK (DEJU)



source: wunderground.com

Flight Collection Plan for July 20th 2025

Flyority 1

Collection Area: Barrow Environmental Observatory (BARR) - Priority 1 Flight Box (*once in peak greenness*)

Flight Plan Name: D18_BARR_R1_P1_P2_P3_v6_VQ780

On-Station Time: (35 degrees): 2010 UTC / 1210 L

Flyority 2

Collection Area: Barrow Environmental Observatory (BARR) - Priority 2 Flight Box

Flight Plan Name: D18_BARR_R1_P2_v5_Q780.pln

On-Station Time: (35 degrees): 2010 UTC / 1210 L

Flyority 3

Collection Area: Barrow Environmental Observatory (BARR) - Priority 3 Flight Box

Flight Plan Name: D18_BARR_R1_P3_v5_Q780.pln

On-Station Time: (35 degrees): 2010 UTC / 1210 L

Flyority 4

Collection Area: Caribou Creek – Poker Flats Watershed – BONA

Flight Plan Name: D19_BONA_C1_P1_v3_VQ780

On-Station Time: (35 degrees): 1840 UTC / 1040 L

Flyority 5

Collection Area: Healy - HEAL

Flight Plan Name: D19_HEAL_R3_P1_v3_Q780

On-Station Time: (35 degrees): 1840 UTC / 1040 L

Flyority 6

Collection Area: Delta Junction -DEJU

Flight Plan Name: TBD

On-Station Time: (35 degrees): 1840 UTC / 1040

Crew: Mike (Lidar), Nick (NIS)