



Payload 1 Daily Flight Report



Date: 2022-08-05
Flight Campaign ID: P1C1
Airport, FBO ID, City: Deadhorse Airport (PASC) - Deadhorse, AK
Aircraft: N331AR

Domain: 18 (Tundra)
Sites Flown: None
Days left in Domain: 17

Report Author: Mike
Lidar Operators: Mike **Flight Hours:** 00:00
Spectrometer Operators: Abe **Hours until maintenance:** 75.93
Pilots: Jeremy , Vince **GPS Instruments:** None

Summary

Low clouds and the onset of rain allowed the crew to continue working on the data extraction from the past two days of flying. No flights conducted today.

Concerns

None

Comments

- The high PRF settings and long flight lines are producing massive amounts of flight data. 2022070317 created 3TB of data and took 36 hours to complete extraction and QA (successfully without issue!).
- Andrew was able to quickly step in and sign off on the four previous RAIDs so space could be made on the D: drive. Thanks Andrew!

Cumulative Domain Coverage

D18|BARR_P1 (Barrow Environmental Observatory Priority 1)

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						

Flown: 0% (0/35)
 Green: 0% (0/35)
 Yellow: 0% (0/35)
 Red: 0% (0/35)

D18|BARR_P2 (Barrow Environmental Observatory Priority 2)

36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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Flown: 0% (0/15)
 Green: 0% (0/15)
 Yellow: 0% (0/15)
 Red: 0% (0/15)

D18|BARR_P3 ()

54	55	56	57
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Flown: 0% (0/4)
 Green: 0% (0/4)
 Yellow: 0% (0/4)
 Red: 0% (0/4)

D18|N18A (D18 Nominal Runway)

1	2
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Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 100% (2/2)

D18|OKSR (Oksrukuyik Creek)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21																			

Flown: 0% (0/21)
 Green: 0% (0/21)
 Yellow: 0% (0/21)
 Red: 0% (0/21)

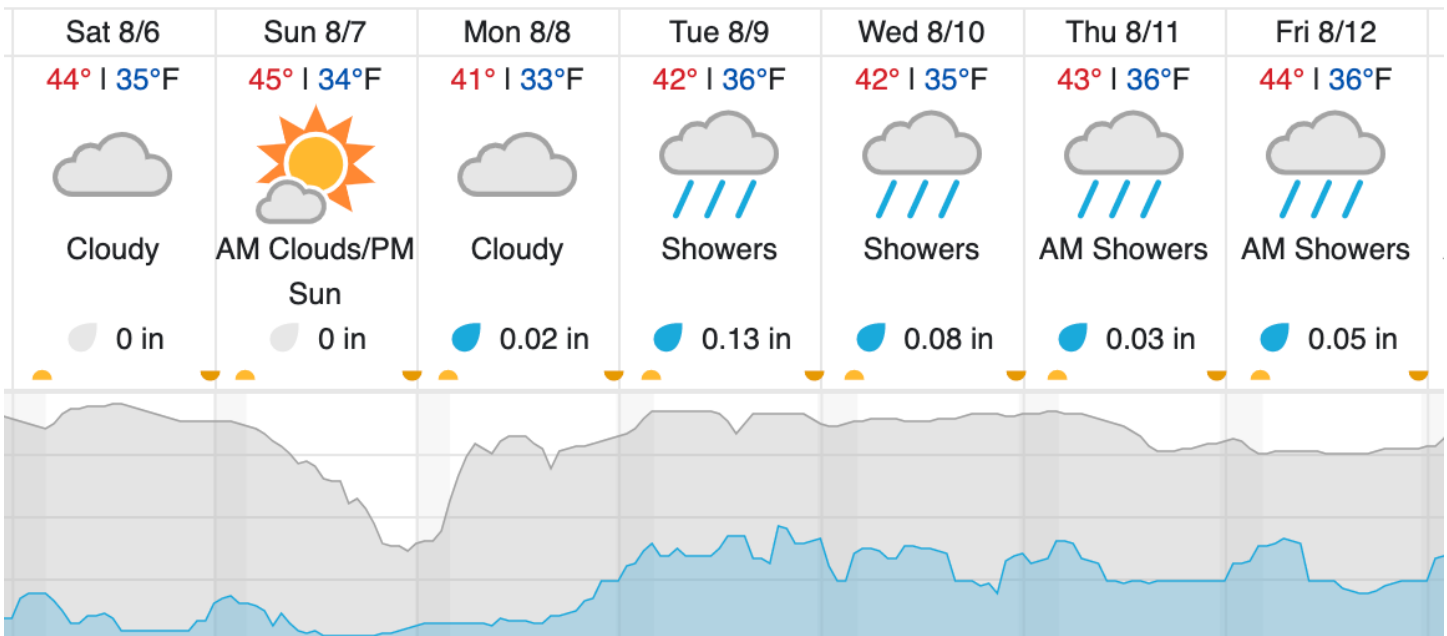
D18|TOOL (Toolik)

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	47	48	49	50	51									

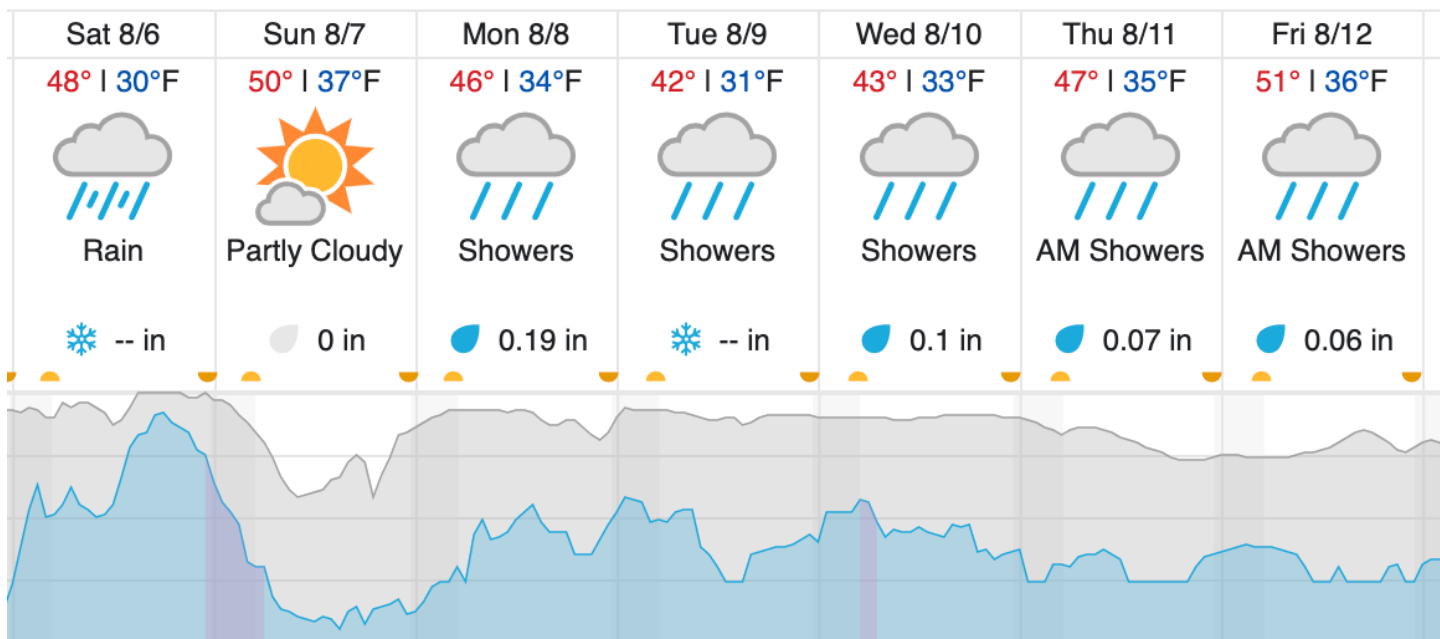
Flown: 86% (44/51)
 Green: 0% (0/51)
 Yellow: 0% (0/51)
 Red: 86% (44/51)

Weather Forecast

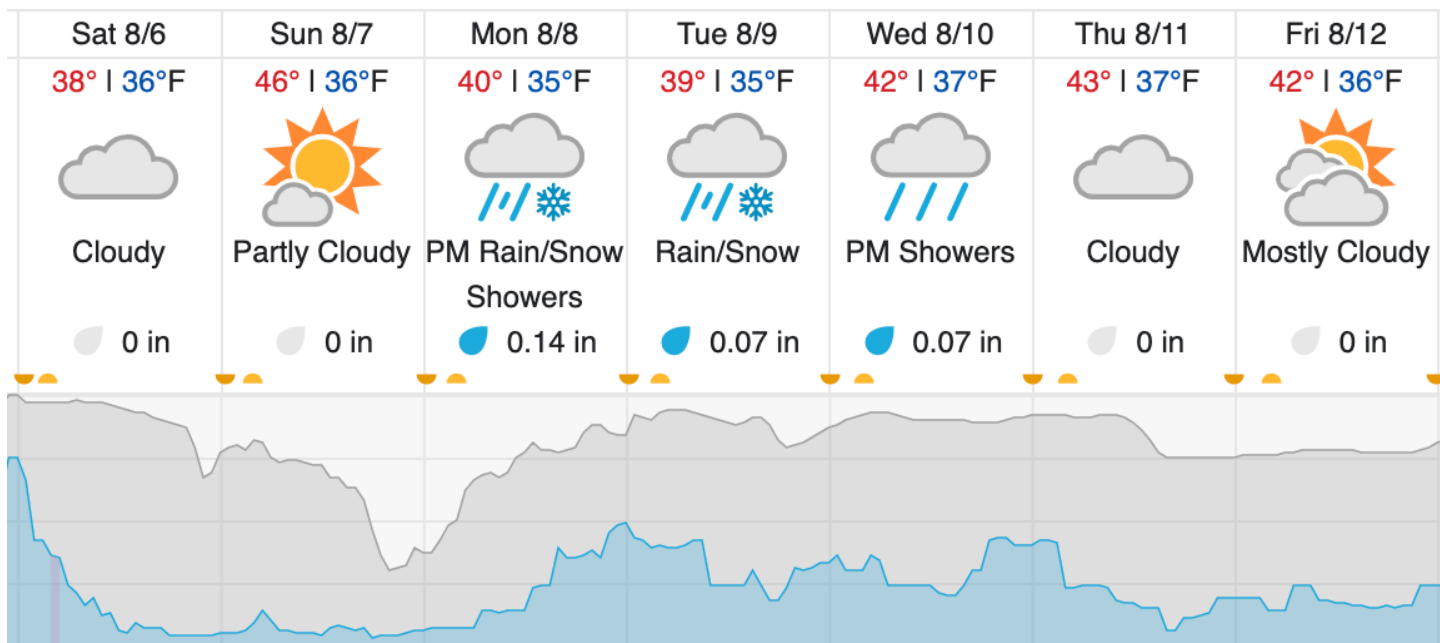
Deadhorse, AK (FBO)



Galbraith Lake, AK (TOOL)



Utqiagvik, AK (BARR)



source: wunderground.com

Flight Collection Plan for 6 August 2022

Flyority 1/2

Collection Area: Barrow Environmental Observatory (BARR) – P1 Flight Box

Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml

On-station Time: 2030 UTC / 1230 L (35deg)

Flyority 1/2 Collection Area: Toolik Lake (TOOL)

Flight Plan Name: D18_TOOL_C1_P1_v3_PRM.xml

On-station Time: 1930 UTC / 1130 L (35deg)

Flyority 3

Collection Area: Oksrukuyik Creek (OKSR)

Flight Plan Name: D18_OKSR_A1_P1_v2_PRM

On-station Time: 1930 UTC / 1130 L (35deg)

Flyority 4

Collection Area: Barrow Environmental Observatory (BARR) – P2 Flight Box

Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml

On-station Time: 2030 UTC / 1230 L (35deg)

Flyority 5

Collection Area: Barrow Environmental Observatory (BARR) – P3 Flight Box

Flight Plan Name: D18_BARR_R1_P1_P2_P3_v5_PRM.xml

On-station Time: 2030 UTC / 1230 L (35deg)

Crew: Abe (Lidar), Mike (NIS)