

Payload 1 Daily Flight Report



Date: 2022-08-07 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: 15

Report Author: MikeFlight Hours: 00:00Lidar Operators: MikeFlight Hours: 00:00Spectrometer Operators: AbeHours until maintenance: 75.93Pilots: Jeremy , VinceHours until maintenance: 75.93

Summary

Low ceilings at Utqiagvik and low cumulus clouds at Toolik Lake were observed today. No flights were conducted. Skies were decent at Toolik in the morning, but the ground was covered in snow.

Concerns

None

Comments

-Flight 2022080417 is still working through QA, but may be stuck. It had a checksum failure but continued on. It is now at 45 hours of extraction.



Snow at Toolik Field Station!

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

 Flown:
 0% (0/15)
 Green:
 0% (0/15)
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50

 Flown:
 0% (0/15)
 Flow:
 0% (0/15)
 40
 40
 40
 40
 40
 40
 40
 40
 50

 Yellow:
 0% (0/15)
 Flow:
 6
 47
 48
 49
 50

 Red:
 0% (0/15)
 Flow:
 6
 6
 47
 48
 49
 50

D18|BARR_P3()

 54
 55
 56
 57

 Flown:
 0% (0/4)

 Green:
 0% (0/4)

 Yellow:
 0% (0/4)

 Red:
 0% (0/4)

 D18
 N18A (D18 Nominal Runway)

1 2

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																			
Green																			
Yellow																			
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)

Ľ	Jeaunoise,						
	Mon 8/8	Tue 8/9	Wed 8/10	Thu 8/11	Fri 8/12	Sat 8/13	Sun 8/14
	42° 34°F	46° 39°F	51° 42°F	56° 48°F	<mark>58°</mark> 39°F	<mark>43° 3</mark> 4°F	40° 34°F
	\bigcirc			Ř			/// <i>*</i>
	Cloudy	PM Showers	Showers	Mostly Cloudy	AM Showers	Showers	AM Rain/Snow
							Showers
	🥑 0.01 in	🥑 0.16 in	🥑 0.04 in	🥑 0.06 in	🥑 0.11 in	🥑 0.09 in	🥑 0.02 in
					~		

Galbraith Lake, AK (TOOL, OKSR)

Mon 8/8	Tue 8/9	Wed 8/10	Thu 8/11	Fri 8/12	Sat 8/13	Sun 8/14
48° 34°F	42° 35°F	45° 36°F	55° 41°F	58° 42°F	48° 35°F	44° 34°F
Showers	///淼 Rain/Snow	Cloudy	Partly Cloudy	AM Showers	Showers	/// Rain/Snow Showers
🥑 0.29 in	🗱 in	0 in	0 in	🥑 0.08 in	🥑 0.28 in	0.11 in
					·····	

Utqiagvik, AK (BARR)

Mon 8/8	Tue 8/9	Wed 8/10	Thu 8/11	Fri 8/12	Sat 8/13	Sun 8/14
45° 35°F	40° 38°F	46° 39°F	47° 43°F	45° 36°F	39° 35°F	39° 35°F
					\bigcirc	***
Partly Cloudy	Showers	Showers	PM Showers	Showers	Cloudy	AM Snow Showers
🗱 in	🥑 0.09 in	🥑 0.06 in	0 .25 in	🥑 0.13 in	0 in	0.01 in
			~~~			
	M	$\bigwedge$				
	4				~~~	

	Cloud Cover (%)		Chance of Precip. (%)							
source: wunderground.com										

## Flight Collection Plan for 8 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: 2000 UTC / 1200 L (30deg)

**Flyority 1/2** Collection Area: Toolik Lake (TOOL) Flight Plan Name: D18_TOOL_C1_P1_v3_PRM.xml On-station Time: 1900 UTC / 1100 L (30deg)

## Flyority 3

Collection Area: Oksrukuyik Creek (OKSR) Flight Plan Name: D18_OKSR_A1_P1_v2_PRM On-station Time: 1900 UTC / 1100 L (30deg)

## 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: 2000 UTC / 1200 L (30deg)

## 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: 2000 UTC / 1200 L (30deg)

Crew: Abe (Lidar), Mike (NIS)