



Payload 1 Daily Flight Report



Date: 2026-05-15
Flight Campaign ID: P1C1
Airport, FBO ID, City: Provo Airport (KPVU) - Provo, UT
Aircraft: N537AR

Domain: 15 (Great Basin)
Sites Flown: ONAQ (Onaqui)
Days left in Domain: 14

Report Author: Elissa
Lidar Operators: Elissa
Spectrometer Operators: Alyssa
Pilots: Cody, Troy

Flight Hours: 02:21
Hours until maintenance: 108.42
GPS Instruments: S-UTMN, U-P016

Summary

16 lines were collected in green conditions this morning at ONAQ before windy conditions over the hills once again resulted in an early return to the airport.

Concerns

None.

Comments

It is been determined that MOAB will very likely not enter into peak greenness during this deployment, and that the monsoonal season later in the summer may present a better opportunity for survey. SYCA and CPER are being monitored as possible alternative options for opportunistic collects.

Daily Coverage

Estimated Cloud Cover Key

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

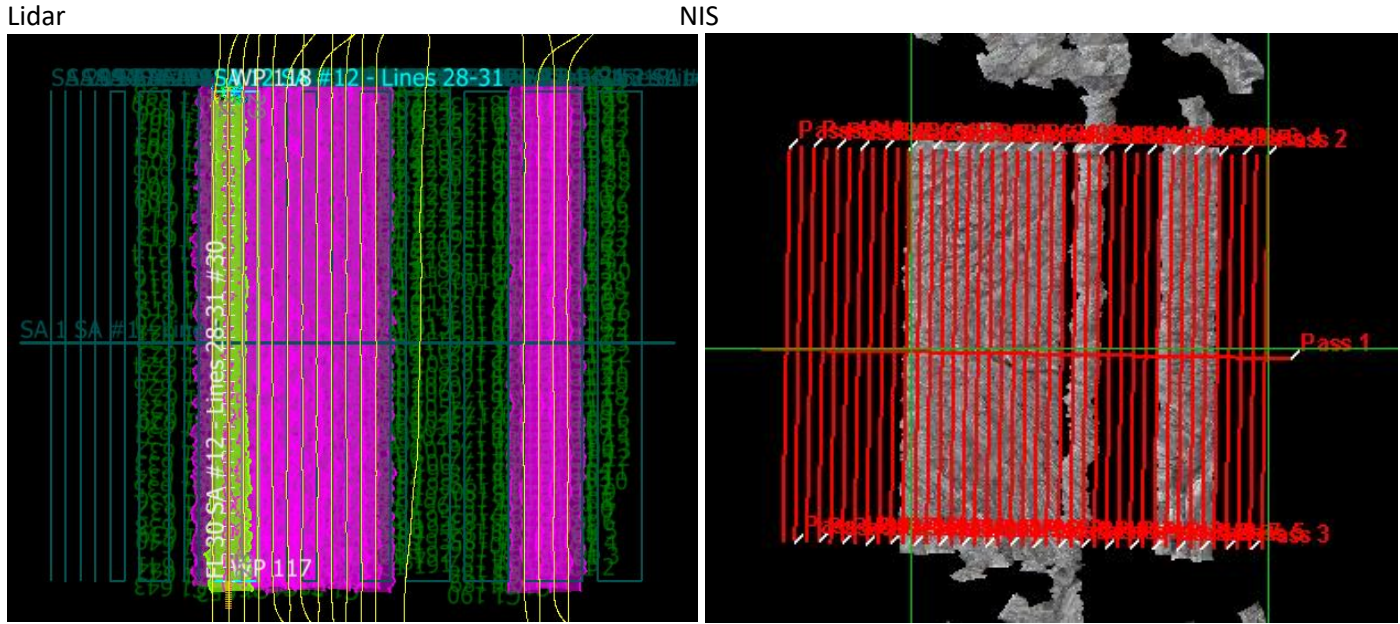
Solar Angle Less Than 40 degrees: (*)

D15|ONAQ

Line #	7	8	9	10	20	21	22	23	24	25	26	27	28	29	30	31
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																

Total number of lines flown: 16

Flight Screenshots



Cumulative Domain Coverage

D15 | ONAQ (Onaqui)

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																		

Flown: 74% (31/42)

Green: 74% (31/42)

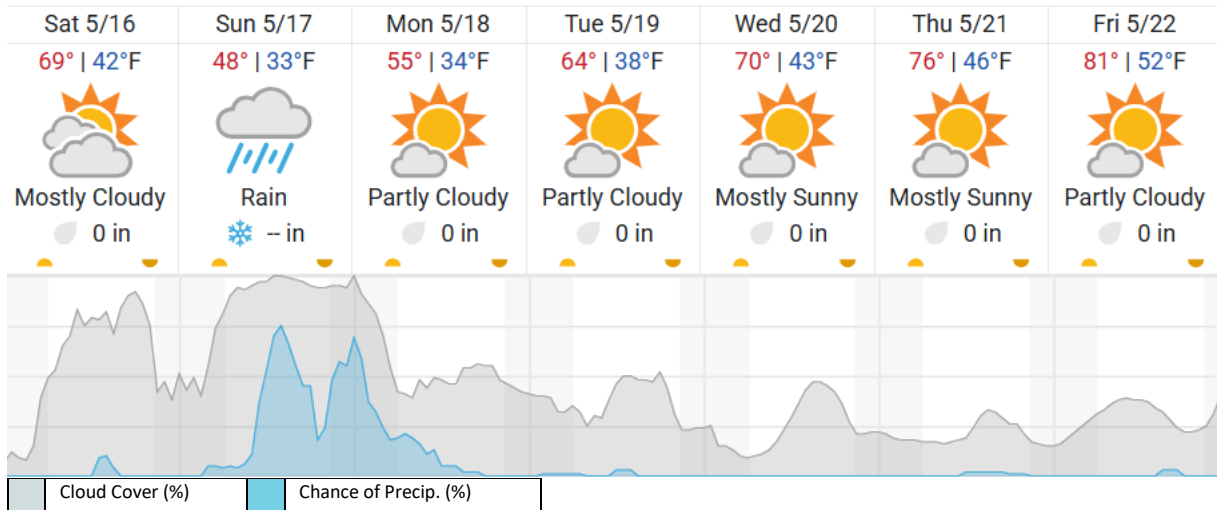
Yellow: 0% (0/42)

Red: 0% (0/42)

* Flown within 35deg solar angle

Weather Forecast

Rush Valley, UT (ONAQ)



source: wunderground.com

Flight Collection Plan for 16 May 2026

Flyority 1

Site: Onaqui-Ault (ONAQ) – *lines 32-40*

Flight Plan Name: D15_ONAQ_C1_P1_v4

Solar Angle Time: 16:00UTC / 10:00L

Crew: Alyssa (Lidar), Elissa (NIS)