



Payload 1 Daily Flight Report



Date: 2026-05-14
Flight Campaign ID: P1C1
Airport, FBO ID, City: Provo Airport (KPVU) - Provo, UT
Aircraft: N537AR

Domain: 15 (Great Basin), 13 (Southern Rockies & Colorado Plateau)
Sites Flown: ONAQ (Onaqui)
Days left in Domain: 15

Report Author: Alyssa
Lidar Operators: Alyssa
Spectrometer Operators: Elissa
Pilots: Cody, Troy
Flight Hours: 02:06
Hours until maintenance: 110.77
GPS Instruments: U-P016

Summary

Today's conditions were clear skies but very choppy. Takeoff was delayed due to pre-flight troubleshooting, so hopefully tomorrow we can take off earlier and maybe get more collection done before winds get too bad.

Concerns

The digitizer was not erasing the disks from set 6, so set 7's waveform had to be swapped in.

Comments

iXCapture settings got reset to factory, so with Andrew's help we went through and changed them back to normal.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

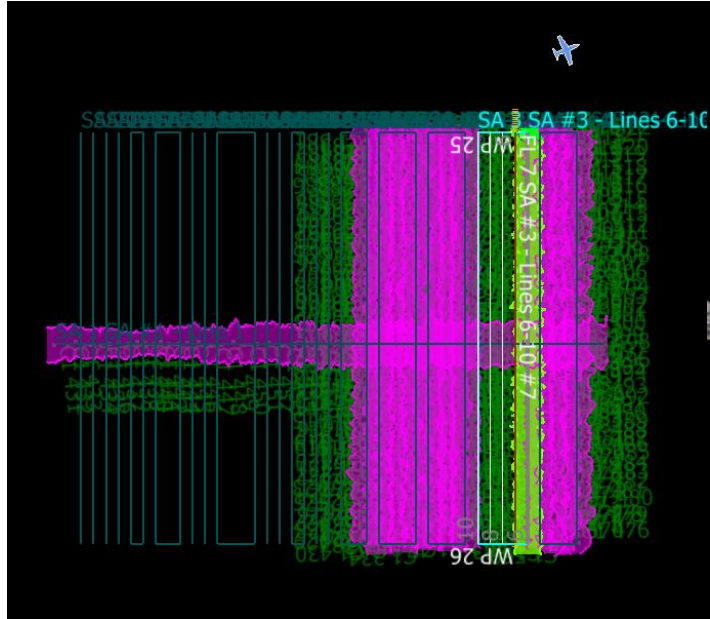
D15|ONAQ

Line #	1	2	3	4	5	6	11	12	13	14	15	16	17	18	19
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover															

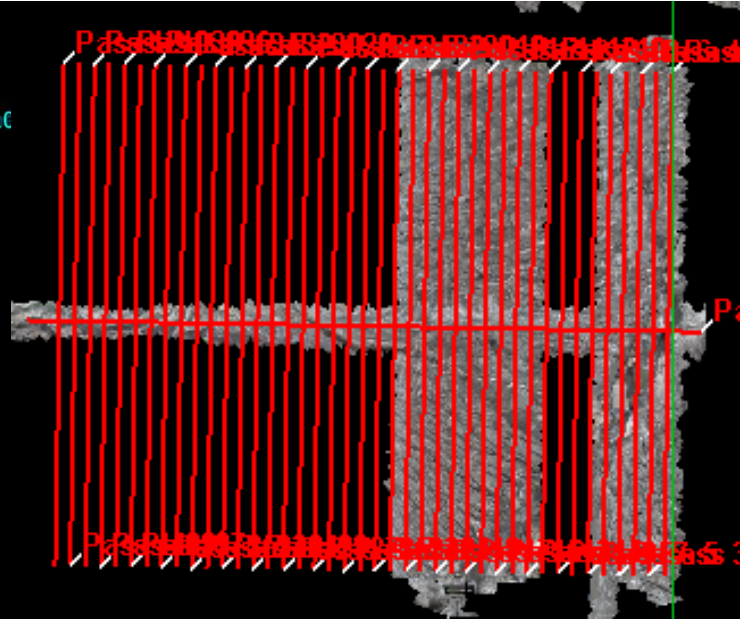
Total number of lines flown: 15

Flight Screenshots

Lidar



NIS



Pictures

Very clear (but windy) conditions over ONAQ



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: 36% (15/42)

Green: 36% (15/42)

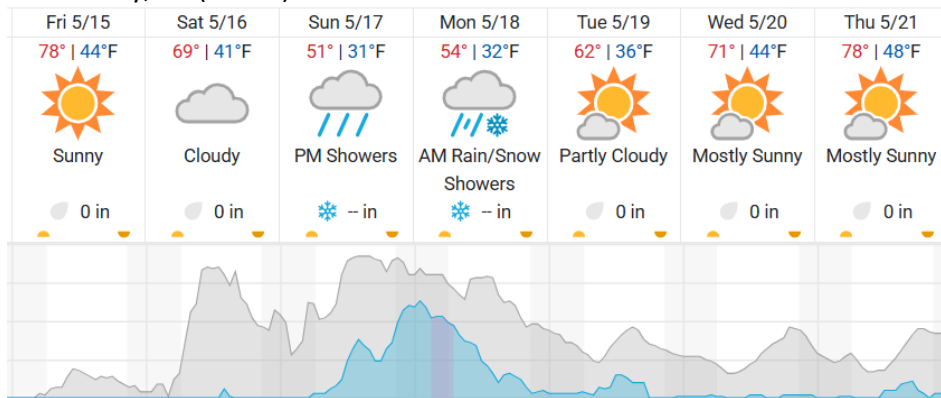
Yellow: 0% (0/42)

Red: 0% (0/42)

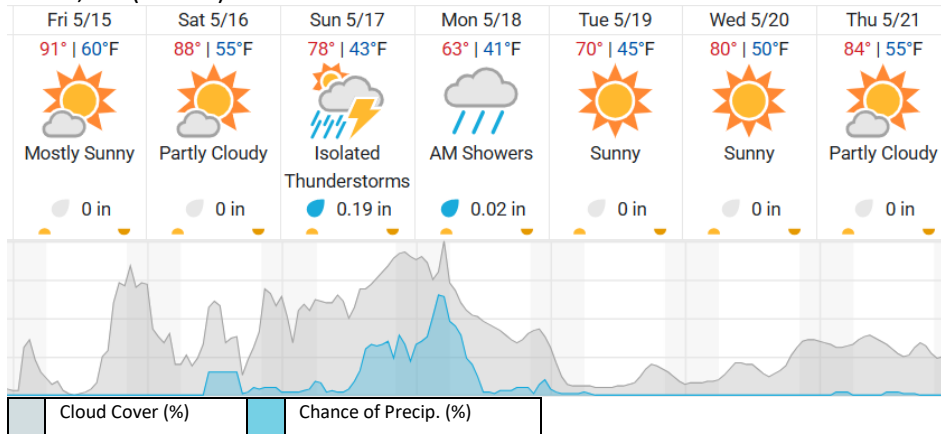
* Flown within 35deg solar angle

Weather Forecast

Rush Valley, UT (ONAQ)



Moab, UT (MOAB)



source: wunderground.com

Flight Collection Plan for 15 May 2026

Flyority 1

Site: Onaqui-Ault (ONAQ) Lines 7-10, 20-42

Flight Plan Name: D15_ONAQ_C1_P1_v4

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

Flyority 2 – only if in peak greenness

Site: Moab (MOAB)

Flight plan name: D13_MOAB_R1_P1_v5

Solar Angle Time: 15:50UTC / 09:50L

Crew: Elissa (Lidar), Alyssa (NIS)