



Payload 1 Daily Flight Report



Date: 2026-05-13
Flight Campaign ID: P1C1
Airport, FBO ID, City: Provo Airport (KPVU) - Provo, UT
Aircraft: N537AR

Domain: 13 (Southern Rockies & Colorado Plateau), 15 (Great Basin)
Sites Flown: None
Days left in Domain: 16

Report Author: Elissa
Lidar Operators: Elissa **Flight Hours:** 00:00
Spectrometer Operators: Alyssa **Hours until maintenance:** 112.87
Pilots: Cody, Troy

Summary

Last night at around 7:30pm power to the entire airport and surrounding businesses was lost. We went to the airport to check on everything, but there was little to be done other than monitor late into the night until the telemetry laptop finally died. Power was not restored until around 1am. By the time the system was rebooted chamber pressure had risen to -E-3 torr. Once chiller and ion pump functionality were restored the pressure began to slowly return to normal. As of now FPA temp is about 10K high and is expected to be back in spec in time for collection tomorrow morning.

Concerns

Prolonged power loss may require reactivation of the getter sooner than expected. Crew will monitor closely for signs the getter is failing to keep up.

Comments

None.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D13 | MOAB (Moab)

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											

Flown: 0% (0/29)

Green: 0% (0/29)

Yellow: 0% (0/29)

Red: 0% (0/29)

* Flown within 35deg solar angle

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: 0% (0/42)

Green: 0% (0/42)

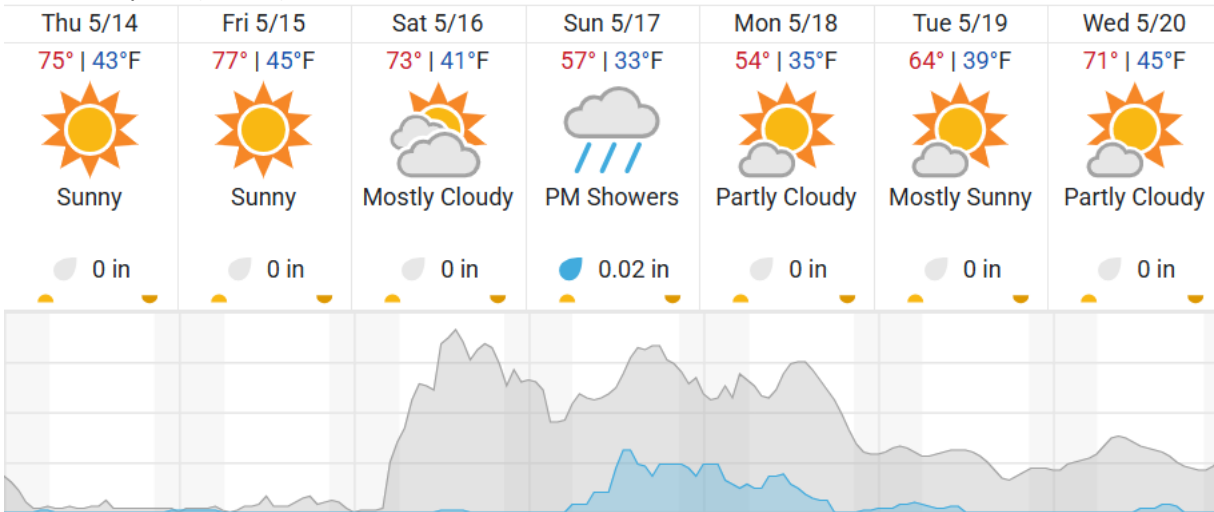
Yellow: 0% (0/42)

Red: 0% (0/42)

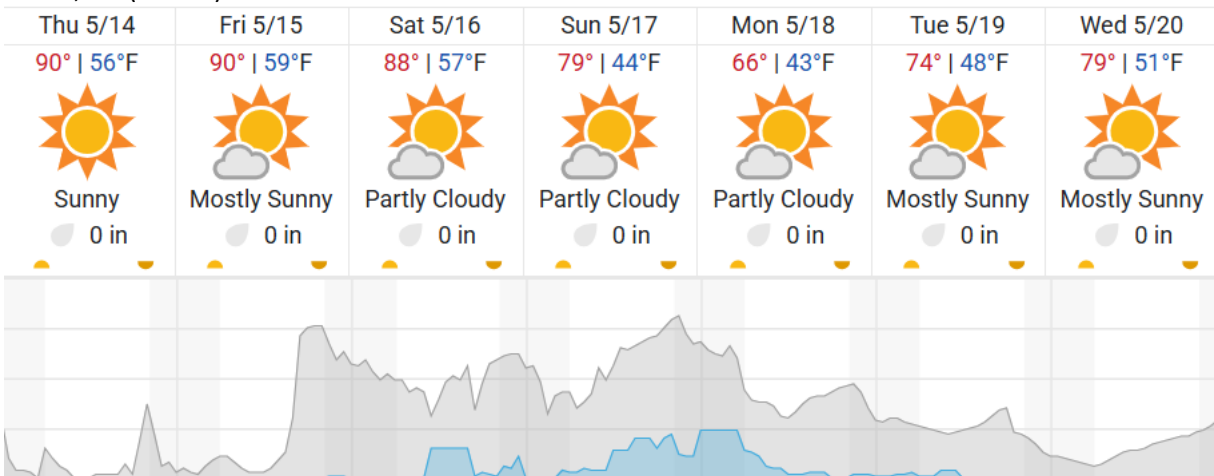
* Flown within 35deg solar angle

Weather Forecast

Rush Valley, UT (ONAQ)



Moab, UT (MOAB)



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

Flight Collection Plan for 14 May 2026

Flyority 1

Site: Onaqui-Ault (ONAQ)

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: Alyssa (Lidar), Elissa (NIS)