



Payload 1 Daily Flight Report



Date: 2026-05-21
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: None
Days left in Domain: 8

Report Author: Elissa
Lidar Operators: Elissa **Flight Hours:** 00:00
Spectrometer Operators: Alyssa **Hours until maintenance:** 106.37
Pilots: Troy, Tim

Summary

With low clouds and rain in the morning and wind shear in the afternoon, no flights were attempted today. A test flight will be conducted tomorrow if conditions allow.

Concerns

None.

Comments

- Worked with the lab to send detailed notes over to Optech
- Added steps to our procedure to save daily copies of the UPDP log for each flight.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

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: 83% (35/42)

Green: 83% (35/42)

Yellow: 0% (0/42)

Red: 0% (0/42)

* Flown within 35deg solar angle

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)

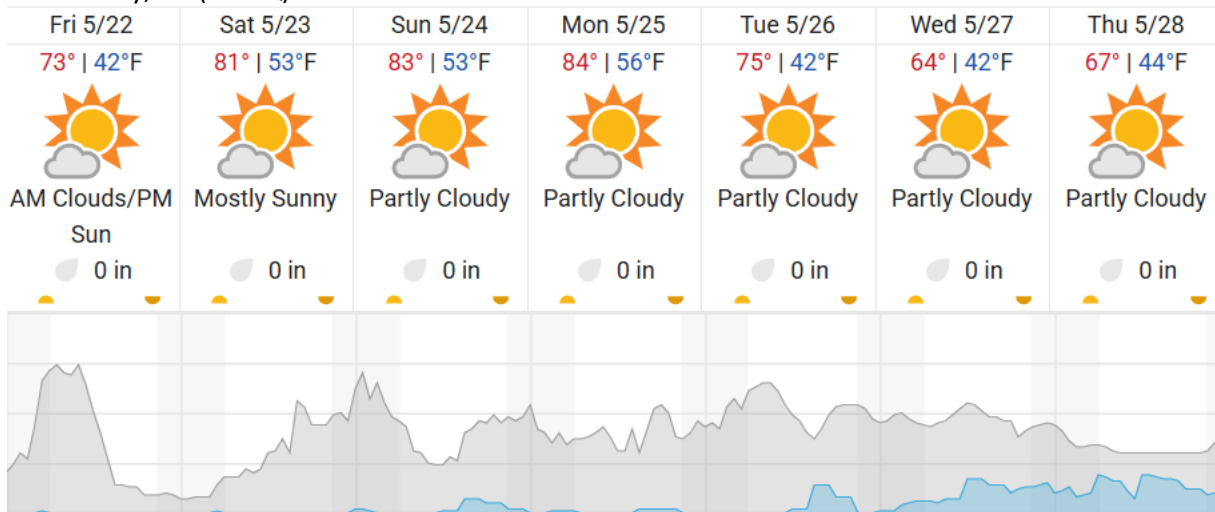
Yellow: 0% (0/29)

Red: 0% (0/29)

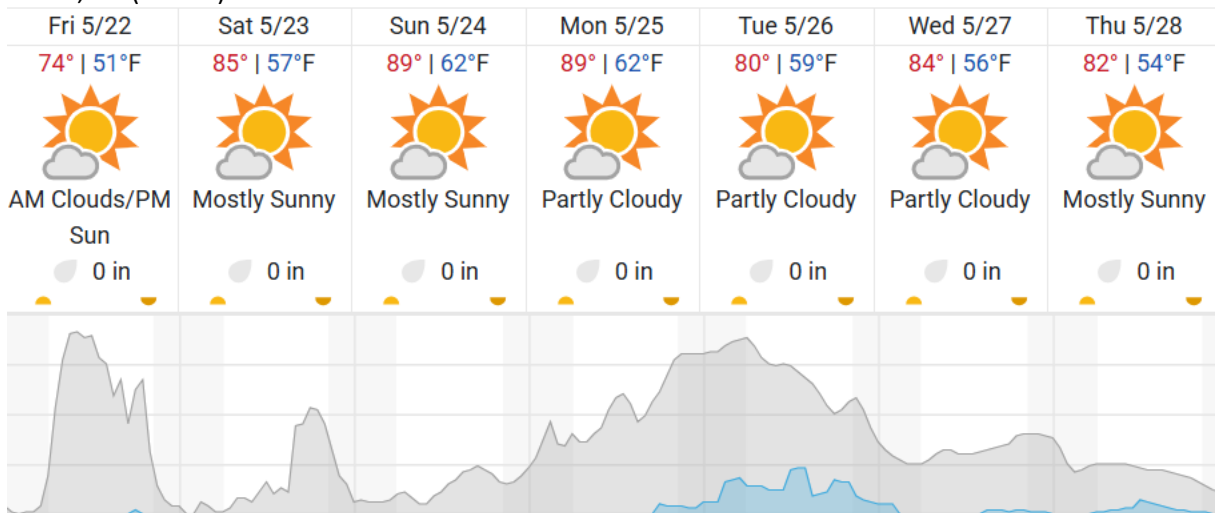
* Flown within 35deg solar angle

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 22 May 2026

Flyority 1

Site: Onaqui-Ault (ONAQ) – *lines 36-42*

Flight Plan Name: D15_ONAQ_C1_P1_v4

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

Flyority 2

Site: Moab (MOAB)

Flight plan name: D13_MOAB_R1_P1_v5

Solar Angle Time: 15:40UTC / 09:40L

Crew: Elissa (Lidar), Alyssa (NIS)