



## Payload 1 Daily Flight Report

**Date:** 2026-05-20  
**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:** 9

**Report Author:** Alyssa  
**Lidar Operators:** Alyssa                      **Flight Hours:** 00:49  
**Spectrometer Operators:** Elissa           **Hours until maintenance:** 106.37  
**Pilots:** Troy, Tim                              **GPS Instruments:** S-UTMN, U-P016

### Summary

Crew attempted to collect the last lines of ONAQ before the clouds crept in, but a single large cloud sat directly over the north part of the remaining lines. Crew will try again on a greener day.

### Concerns

Digitizer still doing partial erases of disks, today hitting "erase" took the discrete disk from 70MB to 69MB. After rebooting, it still did not erase any further.

### Comments

Crew will attempt a test collect at next opportunity for troubleshooting purposes regarding yesterday's UPDU issue.

### Pictures

Fun visitor on ONAQ's tower camera this morning



Severely inconvenient cloud



Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

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: 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)

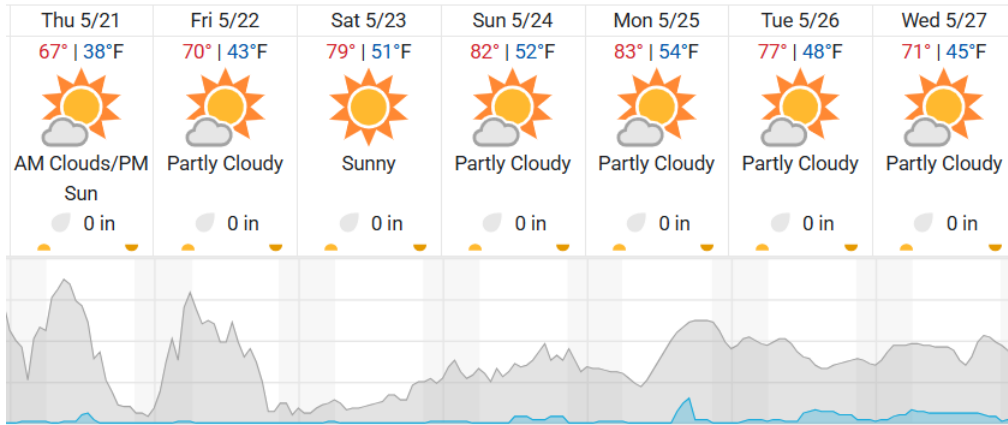
Yellow: 0% (0/29)

Red: 0% (0/29)

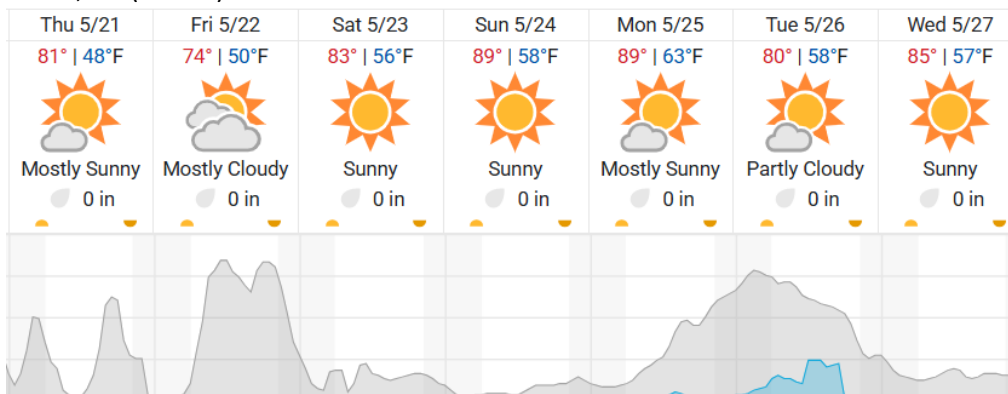
\* Flown within 35deg solar angle

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 21 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)