



Payload 1 Daily Flight Report



**Date:** 2026-05-22  
**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:** 7

**Report Author:** Alyssa  
**Lidar Operators:** Alyssa      **Flight Hours:** 01:23  
**Spectrometer Operators:** Elissa      **Hours until maintenance:** 104.98  
**Pilots:** Troy, Tim      **GPS Instruments:** S-UTMN, U-P016

**Summary**

Crew was able to collect the last lines of ONAQ in green conditions today, with no issues from the UPDU.

**Concerns**

N/A

**Comment**

UPDU not continuously logging onto thumb stick as expected.  
 FMSnav had some sort of glitch where it minimized the program and reset the progress view on the way to site.  
 Flight plan PDF scan freq. did not match settings in FMSnav for a few of the lines.

**Daily Coverage**

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

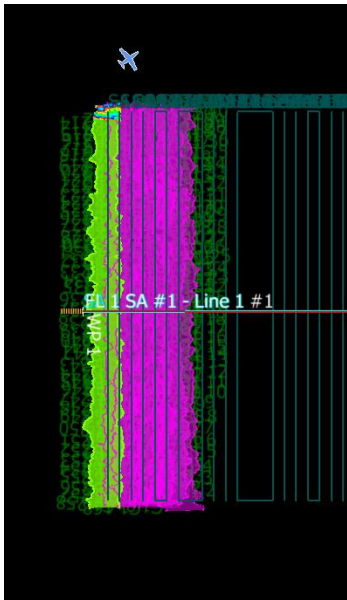
D15|ONAQ

Line #	36	37	38	39	40	41	42
Lidar	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓
Cloud Cover							

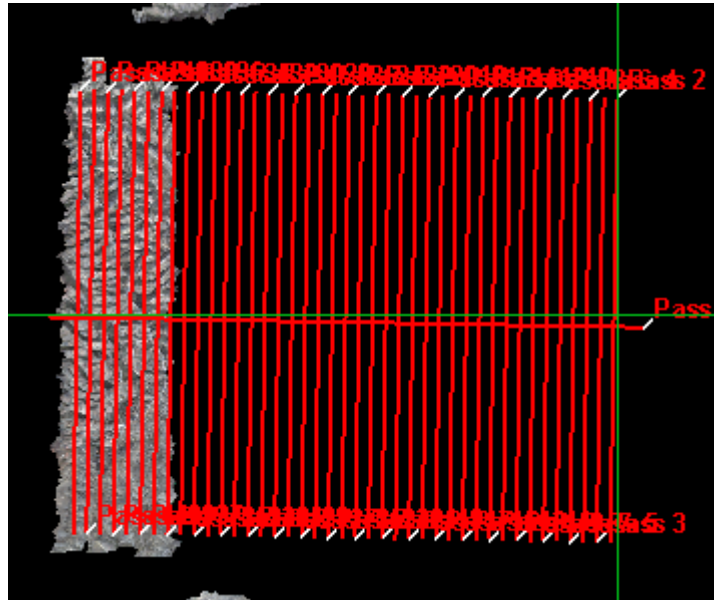
Total number of lines flown: 7

## Flight Screenshots

Lidar



NIS

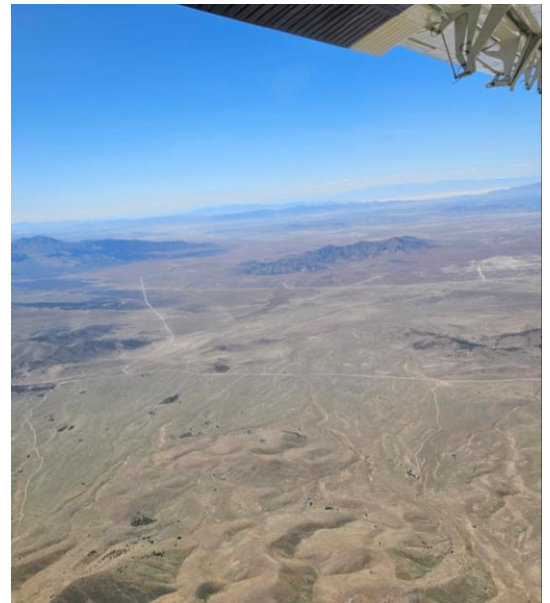


## Pictures

Conditions above KPVU pre-takeoff



Conditions on station



## 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: 100% (42/42)

Green: 100% (42/42)

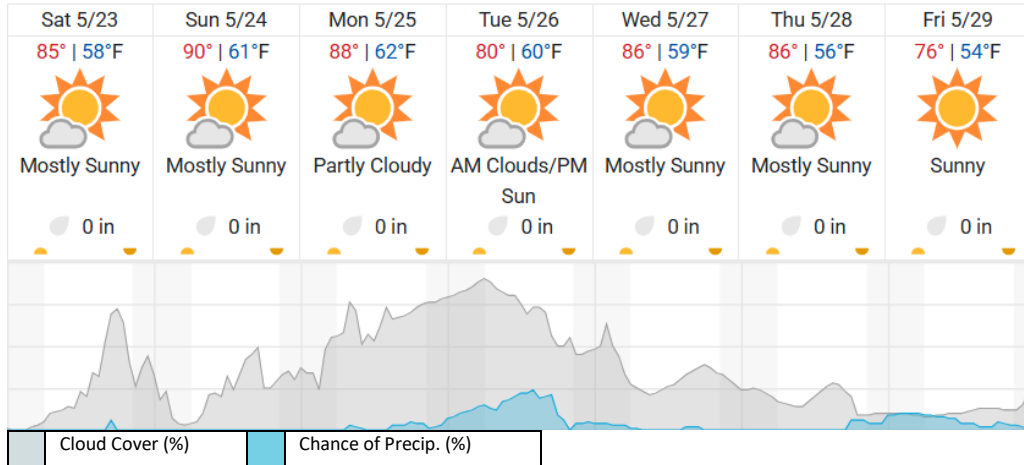
Yellow: 0% (0/42)

Red: 0% (0/42)

\* Flown within 35deg solar angle

## Weather Forecast

Moab, UT (MOAB)



source: wunderground.com

## Flight Collection Plan for 23 May 2026

### Flyority 1

Site: Moab (MOAB)

Flight plan name: D13\_MOAB\_R1\_P1\_v5

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

Crew: Elissa (Lidar), Alyssa (NIS)