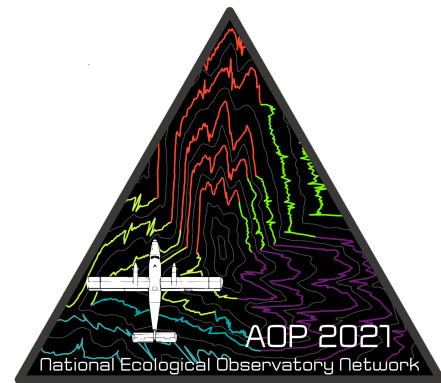




Payload 3 Daily Flight Report



Date: 2021-05-13

Flight Campaign ID: P3C1

Airport, FBO ID, City: Salt Lake City International Airport (KSLC) - Salt Lake City, UT

Aircraft: N615AR

Domain: 15 (Great Basin)

Sites Flown: ONAQ (Onaqui)

Days left in Domain: 11

Report Author: John Adler

Lidar Operators: John Adler

Spectrometer Operators: Mitch Haynes

Pilots: Stephen Brawders, Vince Maarschalkerweerd

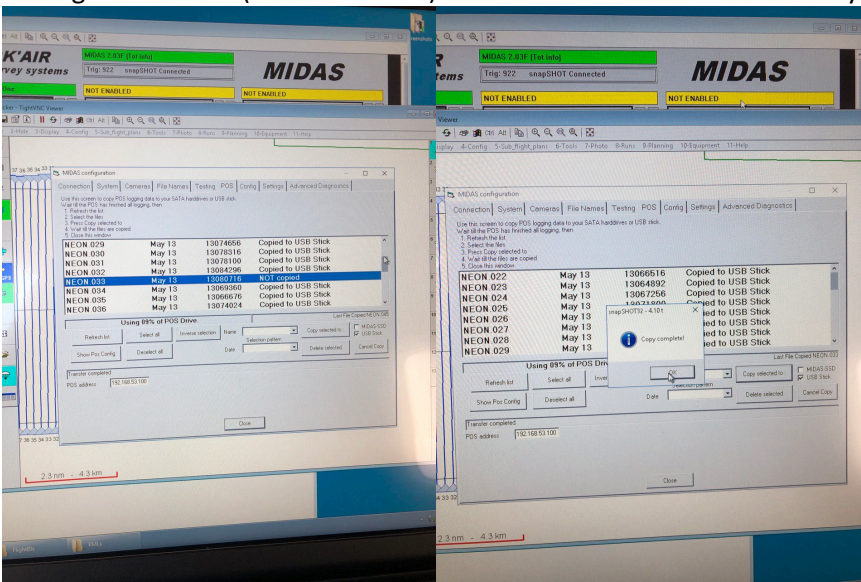
Flight Hours: 02:42

Hours until maintenance: 34.98

GPS Instruments: C-ZLC1, U-P016

Summary: Weather allowed us to collect over the Airshed priority lines (11-23) before clouds started to form. After conditions changed to yellow, we returned to base.

Concerns: Lidar Disc Set 1 again did not be recognized by the computer at the end of the flight, it would not write the POS files. POS files were copied to a USB disc, and then transferred back to the disc when it was in the HotelKit. Interesting that we somehow lost connectivity, yet the disc seems okay. But additionally, the system had trouble even writing POS file #33 (see screenshot) even to the USB drive. It would say it was copied, but it would not actually copy.



Comments: Removing Disc Set 1 from rotation as a precaution.

Daily Coverage

Estimated Cloud Cover Key

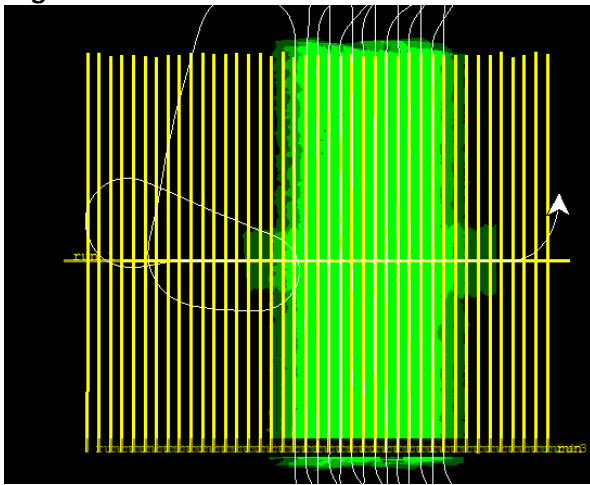
Green: 0-10%	Yellow: 11-50%	Red: >50%
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D15|ONAQ

Line #	1	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover															

Total number of lines flown: 15

Flight Screenshots



Lidar screenshot

Pictures



Interesting explosive activity at the gunnery range

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: 31% (13/42)

Yellow: 5% (2/42)

Red: 0% (0/42)

D15 | REDB (Red Butte)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----

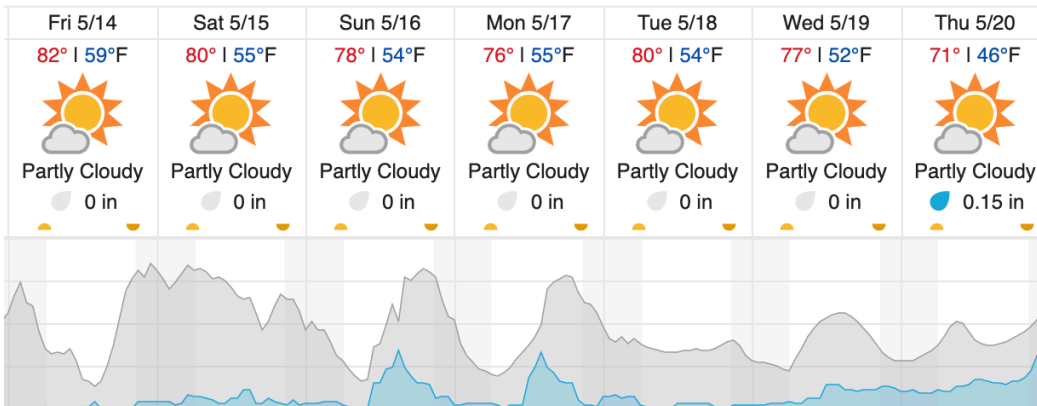
Flown: 0% (0/19)

Green: 0% (0/19)

Yellow: 0% (0/19)

Red: 0% (0/19)

Weather Forecast: Salt Lake City



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

Flight Collection Plan for 14 May 2021

Flyority 1

Collection Area: Onaqui (ONAQ)

Flight Plan Name: D15_ONAQ_C1_P1_v3_Q780

On-station Time: 1600 UTC / 1000 L

Flyority 2

Collection Area: Red Butte (REDB)

Flight Plan Name: D15_REDB_A1_P1_v2_Q780

On-station Time: 1600 UTC / 1000 L

Flight Crew: Mitch lidar, John NIS