



May 5, 2019 Payload 3 Daily Flight Report



Date: 2019-05-05

Flight Campaign ID: 2019_P3C1

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

Domain: 15

Sites Flown: ONAQ (Onaqui-Ault)

Days left in Domain: 8

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, Ivana Vu

Ground/GPS:

Pilots: Stephen Brawders, Jeff Quintanilla

Additional Personnel:

GPS Instruments: C-ZLC1, U-P016

Flight Hours: 01:54

Hours until maintenance: 77.15

Summary

The flight crew rallied after yesterday's transit to SLC to take advantage of clear sky conditions over Onaqui this morning. 6 lines were collected over ONAQ Priority Areas under those clear sky or "Green" conditions before building cumulus clouds pushed sky coverage over the 10% threshold into "yellow" coverage.

Concerns

- Lost internet during extraction of the 2019050317 O10B Flight yesterday. QA Checks will be emailed out manually to AOP Science Team. Beginning to suspect that internet loss experienced here and in Wichita Falls is due to the VPN Client on the Hotel Kit Spare attempting to auto login without being prompted.

Comments

- Used C-ZLC1 external GPS station as FBO GPS (~1km from FBO) instead of setting up AOP GPS. May still set up AOP GPS, but still acquiring permission from Airport Authority to do so.
- Nick Marusich arrives in Salt Lake City today.
- Pilot Chad Evans departed and was replaced by Stephen Brawders. Thanks for your hard work, Chad!

Daily Coverage

D15 ONAQ	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
Flown:	9							

Cumulative Domain Coverage

ONAQ

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: 21% (9/42)
Green: 14% (6/42)
Yellow: 7% (3/42)
Red: 0% (0/42)

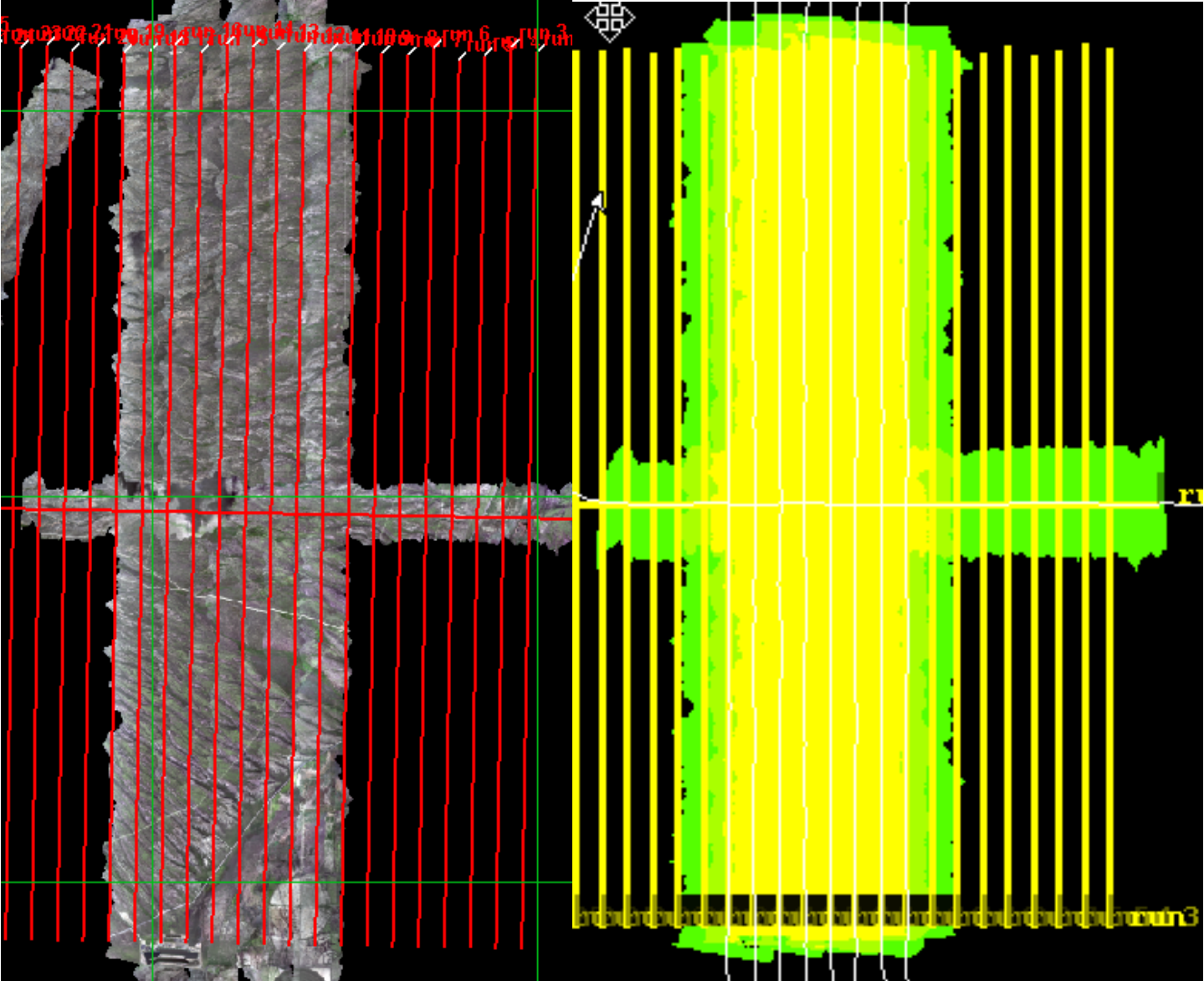
REDB

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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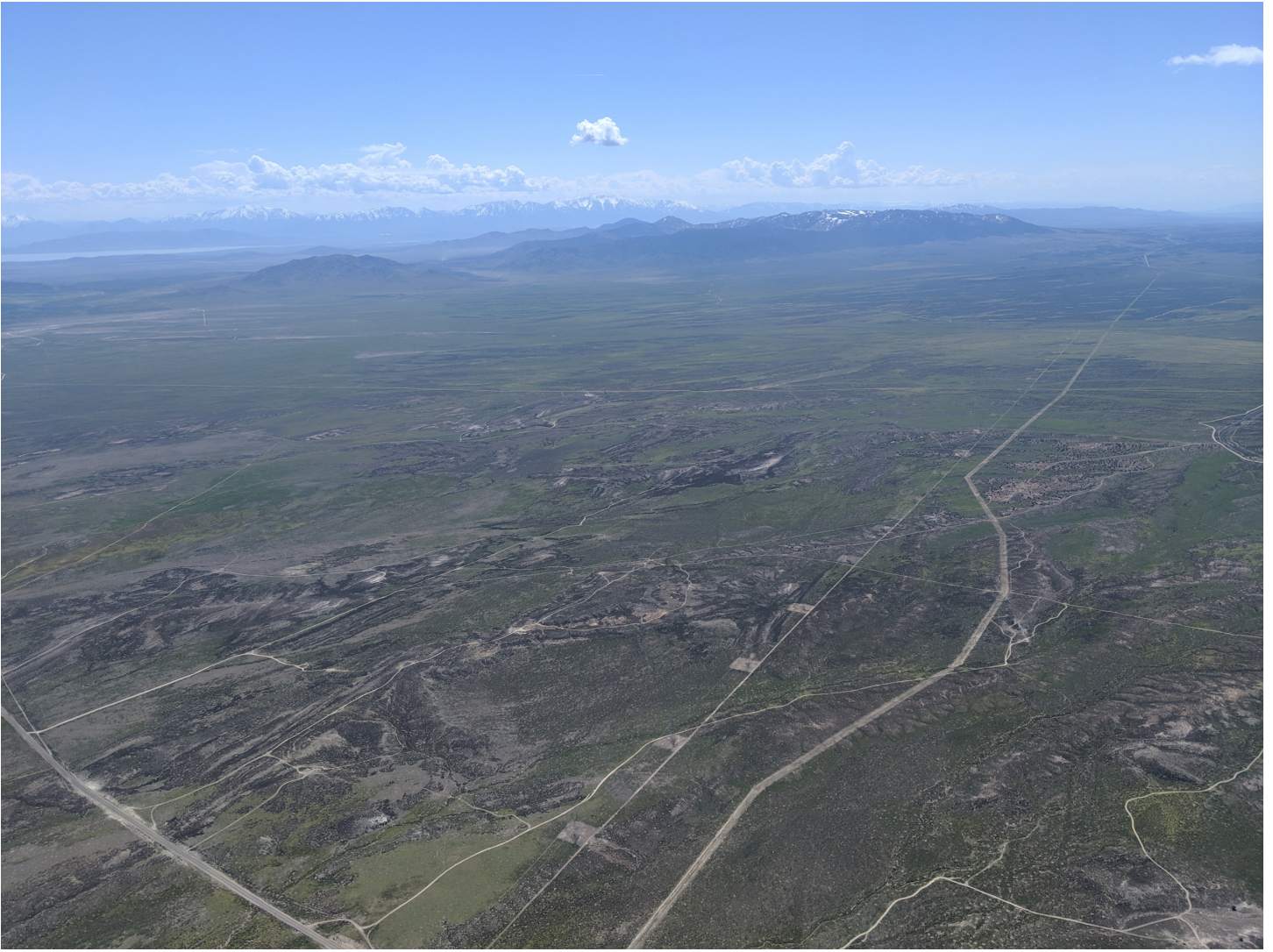
Flown: 0% (0/19)
Green: 0% (0/19)
Yellow: 0% (0/19)
Red: 0% (0/19)

Flight Screenshots

Below: Spectrometer on the left, Lidar on the right.



Pictures

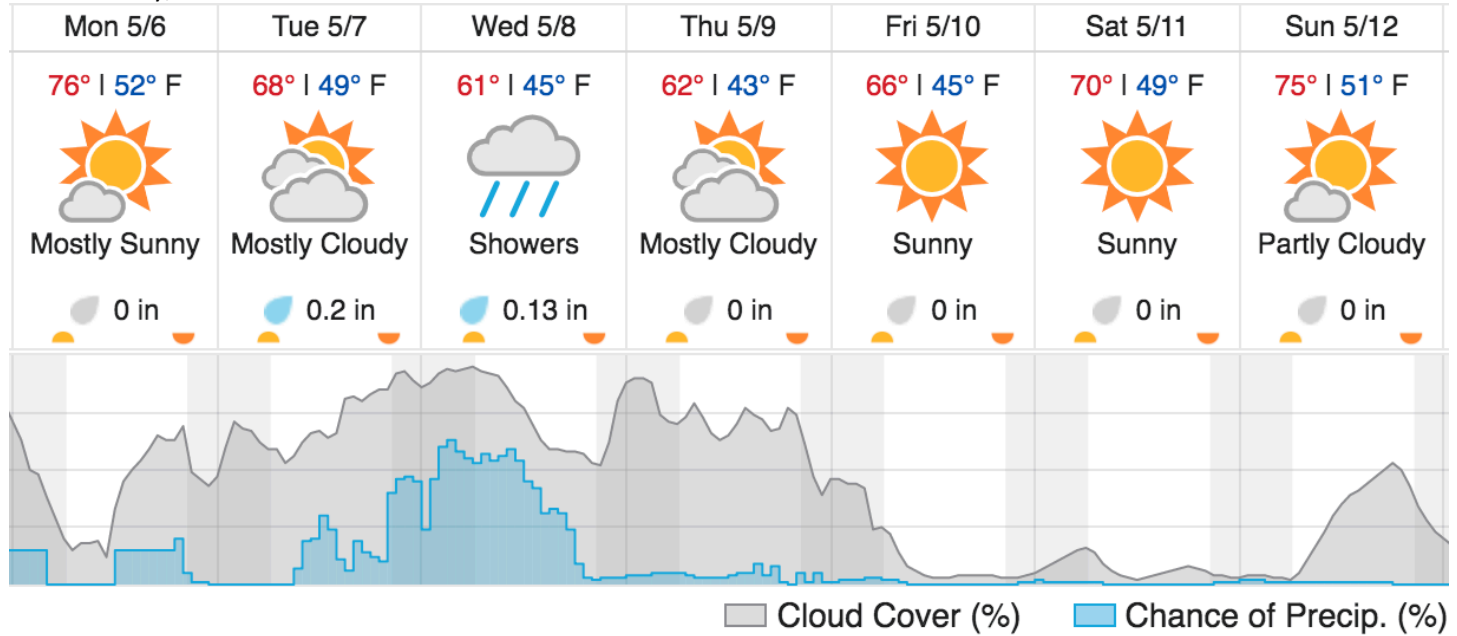


Above: Building Cumulus clouds south of ONAQ, coverage into yellow status. Below: ONAQ Tower and DFIR.



Weather Forecast

Salt Lake City, UT



Flight Collection Plan for 6 May 2019

Flyority 1

Collection Area: Onaqui-Ault (ONAQ)

Flight Plan Name: D15_ONAQ_C1_P1_v3_Q780

On-station Time: 1610 UTC / 1010 L

Flyority 2

Collection Area: Red Butte (RUDB)

Flight Plan Name: D15_REDB_A1_P1_v2_Q780

On-station Time: 1610 UTC / 1010 L

Crew: Ivana Vu (Lidar), Mitch Haynes (NIS), Nick Marusich (Ground/GPS)