



May 12, 2019 Payload 3 Daily Flight Report



Date: 2019-05-12

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: 2

Report Author: John Adler

Flight Crew: John Adler, Nick Marusich

Ground/GPS: Mitch Haynes

Pilots: Stephen Brawders, Jeff Quintanilla

Additional Personnel: none.

GPS Instruments: C-ZLC1, U-P016

Flight Hours: 03:19

Hours until maintenance: 68.03

Summary: Completed ONAQ under green conditions.

Concerns: The RGB camera stopped imaging correctly (but it was taking photos). The latter half of the flight had just Black images, even when settings were changed, etc. Will troubleshoot this on our way to Railroad Valley tomorrow.

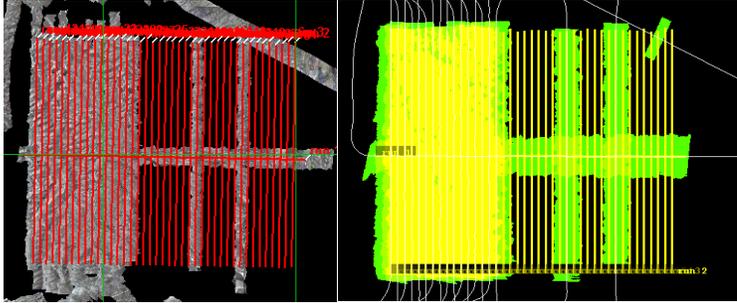
Comments: We will attempt to fly the Railroad Valley and Lunar Lake missions tomorrow, requiring an early takeoff. Mitch to leave for Manassas tomorrow.

Pictures:



The shrinking Great Salt Lake.

Flight Screenshots:



NIS Screenshot

Lidar Screenshot

Daily Coverage

D15 ONAQ	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
	37				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
	39				✓	✓	✓	NLC
	40				✓	✓	✓	NLC
	41				✓	✓	✓	NLC
	42				✓	✓	✓	NLC
Flown:	19							

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: 100% (42/42)

Green: 100% (42/42)

Yellow: 10% (4/42)

Red: 0% (0/42)

REDB



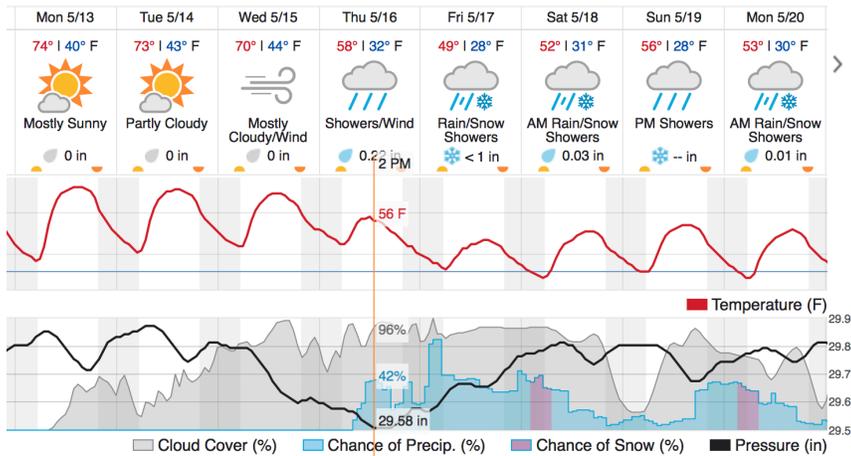
Flown: 95% (18/19)

Green: 0% (0/19)

Yellow: 53% (10/19)

Red: 42% (8/19)

Weather Forecast



Ely, Nevada.

Flight Collection Plan for 13 May 2018

Collection Area: Radiometric Calibration at Railroad Valley (RRVY) / Lidar Uncertainty Test at Lunar Lake (LNLK)

Flight Plan Name: D15_R15B_Radiometric_Calibration_RRVY_v3_Q780 / D15_LNLK_Lidar_Unc_Tst_v2_Q780

On-station Time: 1640 UTC / 0940 L U-HURR C-SGU1

Crew: John Adler (Lidar), Nick Marusich (NIS)

Field Science Team (RRVY and LNLK): Bridget Hass, David Hulslander

Flight Collection Plan for 14 May 2018

Transit to D06 (Topeka).

Crew: John Adler (Lidar)