



May 11, 2019 Payload 3 Daily Flight Report



Date: 2019-05-11

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: Nick Marusich

Flight Crew: Nick Marusich, Mitch Haynes

Ground/GPS: John Adler

Pilots: Jeff Quintanilla, Stephen Brawders

Additional Personnel: Abe Morrison

GPS Instruments: C-ZLC1, U-P016

Flight Hours: 03:09

Hours until maintenance: 71.35

Summary

17 lines were collected today at ONAQ under green conditions before cloud build up prevented further collection. With clear skies forecast tomorrow, the team will attempt completing ONAQ before shifting focus to Railroad Valley and Lunar Lake calibration flights.

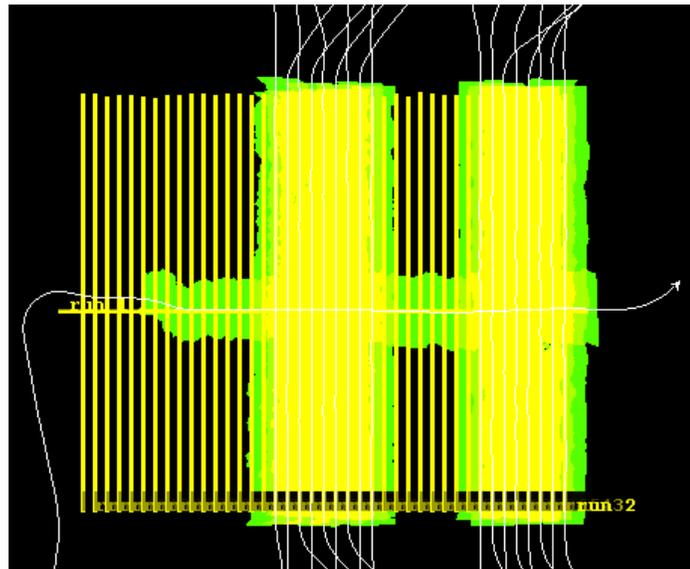
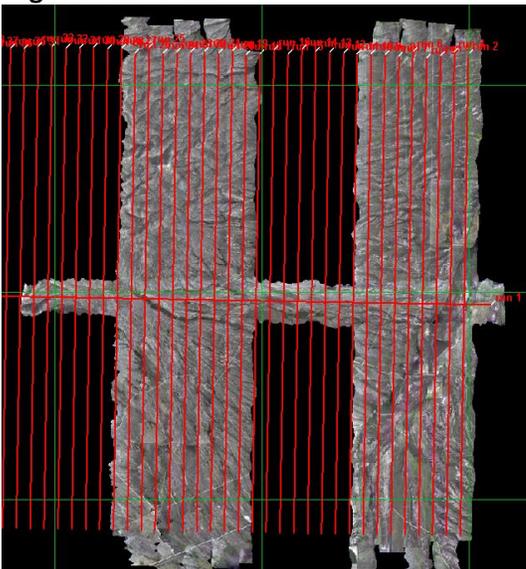
Concerns

- Pilot display appeared to lag between lines. Pilots assess the display lads in turns.

Comments

- Ivana Vu rotated out to install GPS at D17 and D16. John Adler rotated in.

Flight Screenshots



Pictures



Western area of ONAQ box.

Daily Coverage

D15 ONAQ	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✗	NL
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
Flown:	18							

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: 62% (26/42)

Green: 55% (23/42)

Yellow: 10% (4/42)

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: 95% (18/19)

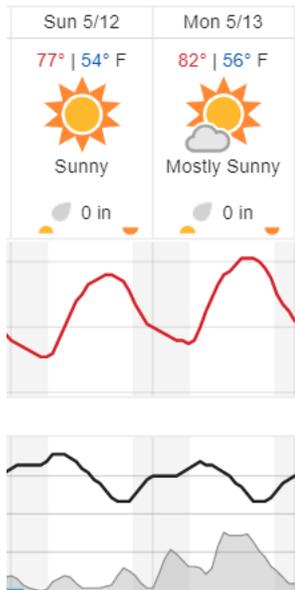
Green: 0% (0/19)

Yellow: 53% (10/19)

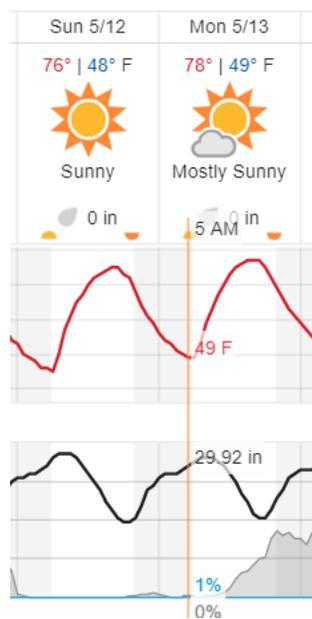
Red: 42% (8/19)

Weather Forecast

Salt Lake, UT



Tonopah, NV



Flight Collection Plan for 12 May 2019

Flyority 1

Collection Area: Onaqui-Ault (ONAQ)

Flight Plan Name: D15_ONAQ_C1_P1_vs_Q780

On-station Time: 1600 UTC / 1000 L

Flyority 2

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

Flyority 3

Collection Area: Red Butte (REDB)

Flight Plan Name: D15_REDB_A1_P1_v2_Q780

On-station Time: 1600 UTC / 1000 L

Crew: John Adler (Lidar), Nick Marusich (NIS), Mitch Haynes (GPS)

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

Flight Collection Plan for 13 May 2019

Flyority: Same as previous day

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

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