



May 3, 2019 Payload 3 Daily Flight Report



Date: 2019-05-03

Flight Campaign ID: 2019_P3C1

Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 00

Sites Flown: R10D (Radiometric Calibration at KBDU), O10B (NIS Offset - Riegl)

Days left in Domain: 0

Report Author: Ivana Vu

Flight Crew: Ivana Vu, Mitch Haynes

Ground/GPS: Matt Devoe, John Adler

Pilots: Jeff Quintanilla, Chad Evans

Additional Personnel: Bridget Hass, David

Hulslander, Alok Shrestha

GPS Instruments: 01 - FBO_KBDU

Flight Hours: 00:56, 00:26, 00:30, 00:21, 00:22, 00:24

Hours until maintenance: 81.52

Summary

Cumulus clouds were present over Table Mountain this morning and were continuing to build, so the Radiometric Calibration was completed at KBDU instead where skies were slightly clearer. The NIS Offset was also completed in sub-optimal weather per the science team's request as forecasts indicate that tomorrow will be cloudier. The plane is packed and ready to start the scheduled transit to D15 (Salt Lake City, UT) tomorrow.

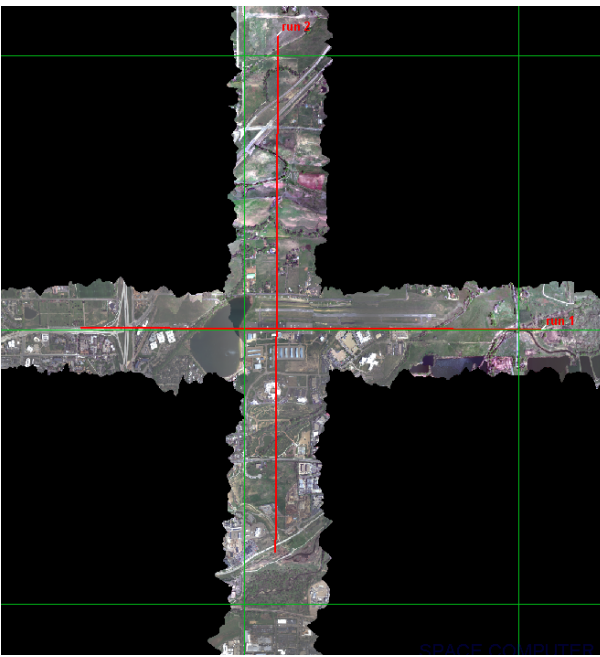
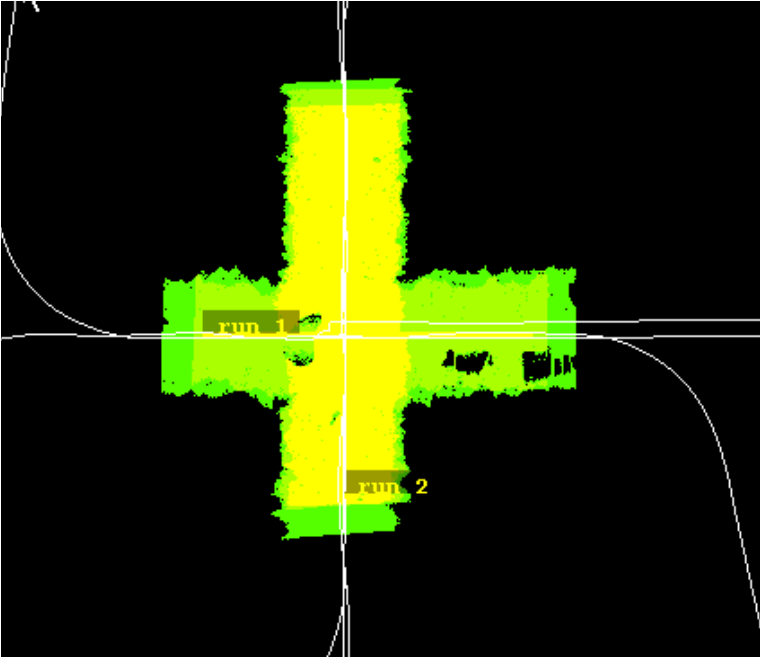
Concerns

Hotel Kit 3 is still having issues so we are taking the spare HK4 to D15

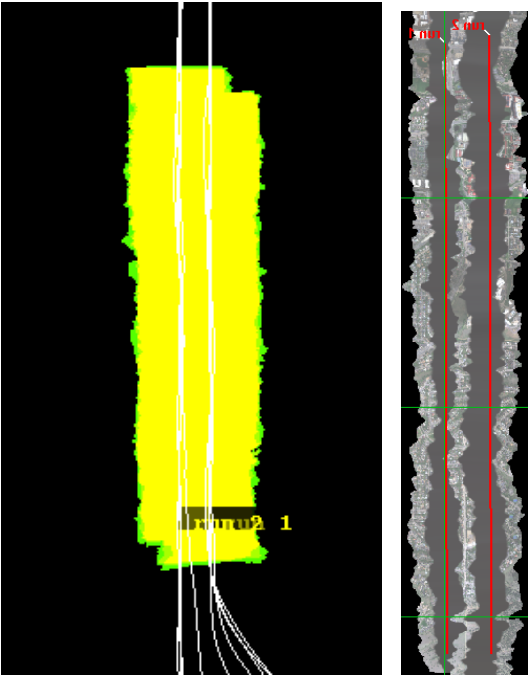
Comments

- Elissa departed D11
- Mitch departs tonight for D15

Flight Screenshots
R10D



O10B



Daily Coverage

D00 R10D	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
Flown:	5							

D00 O10B	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1-1				✓	✓	✓	NLC
	1-2				✓	✓	✓	NLC
	2-1				✓	✓	✓	NLC
	2-2				✓	✓	✓	NLC
	3-1				✓	✓	✓	NLC
	3-2				✓	✓	✓	NLC
	4-1				✓	✓	✓	NLC
	4-2				✓	✓	✓	NLC
	5-1				✓	✓	✓	NLC
	5-2				✓	✓	✓	NLC
Flown:	10							

Cumulative Domain Coverage

O10B



Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 500% (10/2)

R10D



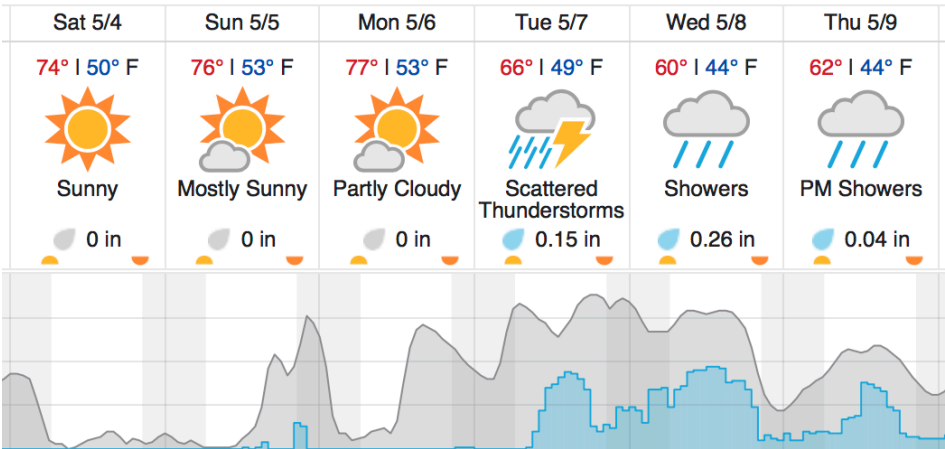
Flown: 100% (5/5)
 Green: 0% (0/5)
 Yellow: 100% (5/5)
 Red: 0% (0/5)

Weather Forecast

Boulder, CO



Salt Lake City, UT



Flight Collection Plan for 4 May 2019

Transit to D15

Crew: Ivana Vu

Flight Collection Plan for 5 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: Mitch Haynes, Ivana Vu