



## April 8, 2019 Payload 3 Daily Flight Report



**Date:** 2019-04-08

**Flight Campaign ID:** 2019\_P3C1

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

**Domain:** 00

**Sites Flown:** B10D\_1600m (Greeley Boresight Geocalibration - 1600m - Riegl), B10D\_1000m (Greeley Boresight Geocalibration - 1000m - Riegl), B10D\_500m (Greeley Boresight Geocalibration - 600m - Riegl)

**Days left in Domain:** 9

**Report Author:** Ivana Vu

**Flight Crew:** Ivana Vu, Matt Devoe

**Ground/GPS:** Robb Walker

**Pilots:** Mike Francis, Mark Solper

**Additional Personnel:** Bridget Hass, Alok Shrestha

**GPS Instruments:** 01 - FBO\_KBDU, U-CHLL

**Flight Hours:** 02:19

**Hours until maintenance:** 114.58

### Summary

Crew completed the Boresight Geo-calibration and will attempt the Radiometric Calibration again tomorrow, as wind gusts at Table Mountain were too strong today for tarp deployments or drone activities.

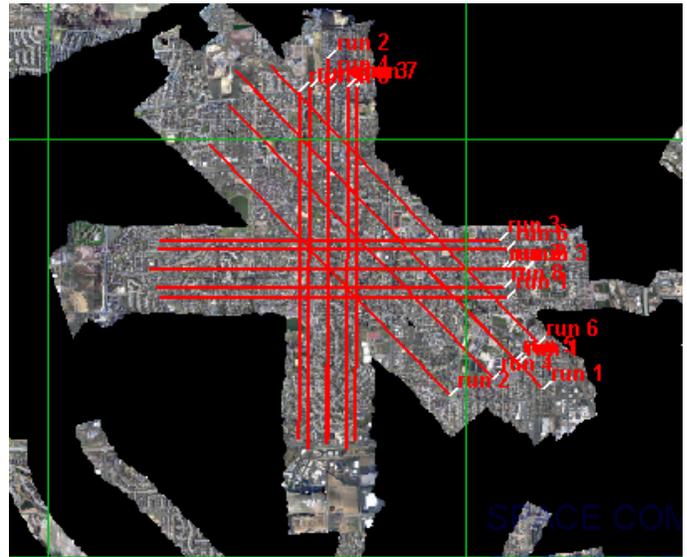
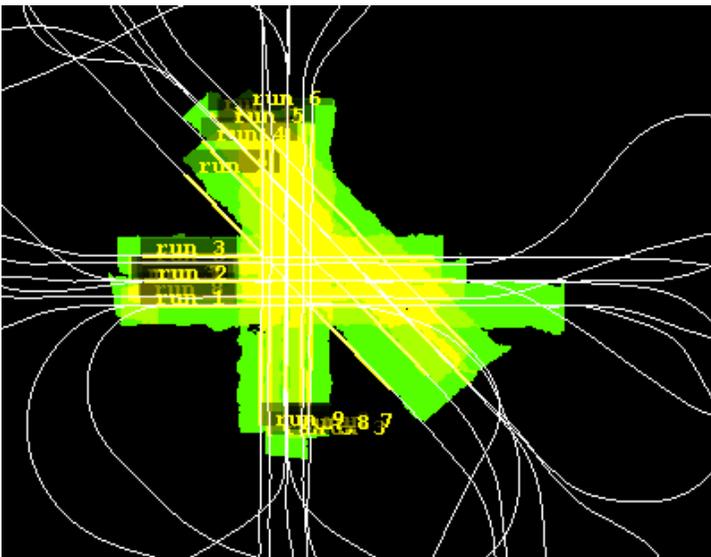
### Concerns

None

### Comments

None

### Flight Screenshots



## Daily Coverage

D00 B10D_1000m	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
Flown:	8							
D00 B10D_1600m	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
Flown:	3							
D00 B10D_500m	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
Flown:	9							

## Cumulative Domain Coverage

### B10D\_1600m

1	2	3
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Flown: 100% (3/3)

Green: 100% (3/3)

Yellow: 0% (0/3)

Red: 100% (3/3)

### B10D\_1000m

1	2	3	4	5	6	7	8
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Flown: 100% (8/8)

Green: 100% (8/8)

Yellow: 0% (0/8)

Red: 0% (0/8)

### B10D\_500m

1	2	3	4	5	6	7	8	9
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Flown: 100% (9/9)

Green: 100% (9/9)

Yellow: 0% (0/9)

Red: 0% (0/9)

### H10C

1										2									
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Flown: 200% (4/2)  
 Green: 0% (0/2)  
 Yellow: 0% (0/2)  
 Red: 450% (9/2)

### N10D

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															

Flown: 85% (22/26)  
 Green: 0% (0/26)  
 Yellow: 0% (0/26)  
 Red: 85% (22/26)

### O10B

1										2									
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Flown: 0% (0/2)  
 Green: 0% (0/2)  
 Yellow: 0% (0/2)  
 Red: 0% (0/2)

### R10C

1		2		3		4		5	
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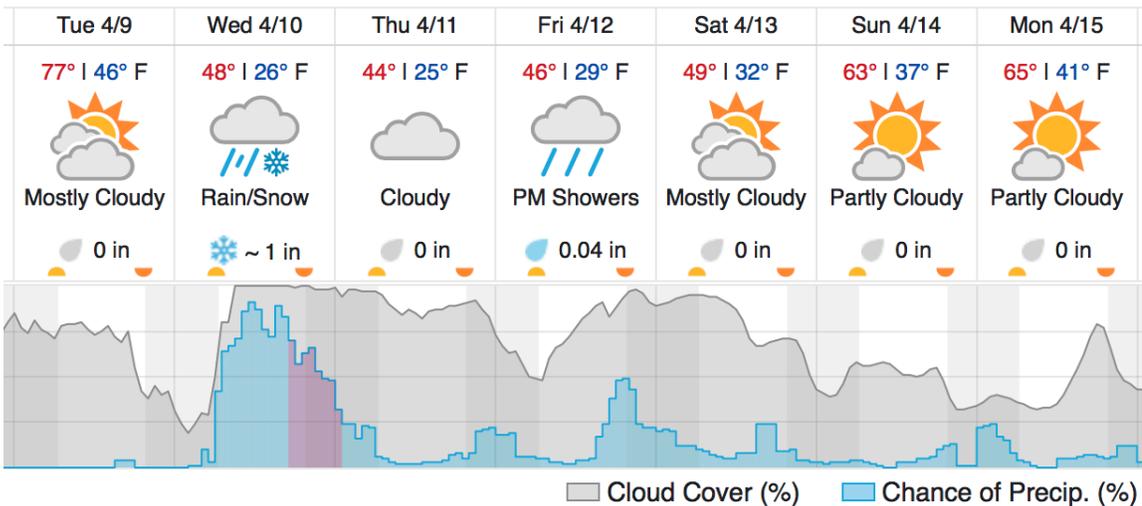
Flown: 0% (0/5)  
 Green: 0% (0/5)  
 Yellow: 0% (0/5)  
 Red: 0% (0/5)

### W10C

1										2									
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Flown: 100% (2/2)  
 Green: 0% (0/2)  
 Yellow: 0% (0/2)  
 Red: 100% (2/2)

### Weather Forecast



## **Flight Collection Plan for 09-10 April 2019**

### **Flyority 1**

Collection Area: Radiometric Calibration – Table Mountain  
Flight Plan Name: D10\_R10C\_Rad\_Cal\_TBMT\_v1\_Q780.rpp  
On-station Time: 1050 L / 1650 UTC

### **Flyority 2**

Collection Area: NIS Offset Flight  
Flight Plan Name: D10\_O10B\_NIS\_Offset\_v2\_Q780.rpp  
On-station Time: 1020 L / 1620 UTC

### **Flyority 3**

Collection Area: Boulder City Nominal Science Flight (Training)  
Flight Plan Name: D10\_V10C\_East\_v7\_Q780

**Morning Crew (Radiometric Calibration):** Matt DeVoe (Trainer), Nick Marusich (Lidar), Robb Walker (NIS), John Adler, Alok Shrestha & Bridget Hass (Ground Tarps)

**Afternoon Crew (Training):** Ivana Vu (Trainer), Bridget Hass (Lidar), Robb Walker (NIS)