



## October 18, 2018 Payload 2 Daily Flight Report



**Date:** 2018-10-18

**Flight Campaign ID:** 2018\_P2C1

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

**Domain:** 00

**Sites Flown:** B10B (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 500m)

**Days left in Domain:** 4

**Report Author:** Robb Walker

**Flight Crew:** Robb Walker, Mitch Haynes

**Ground/GPS:** Matt Devoe

**Pilots:** Mike Francis, Ross Rice

**Additional Personnel:**

**GPS Instruments:** 03 - FBO\_KBDU, U-CHLL

**Flight Hours:** 02:44

**Hours until maintenance:** 50.62

### Summary

Sky conditions were not favorable for neither the Radiometric Calibration or the NIS Offset flights, but flight crew was able to complete the Boresight Calibration under mostly green conditions.

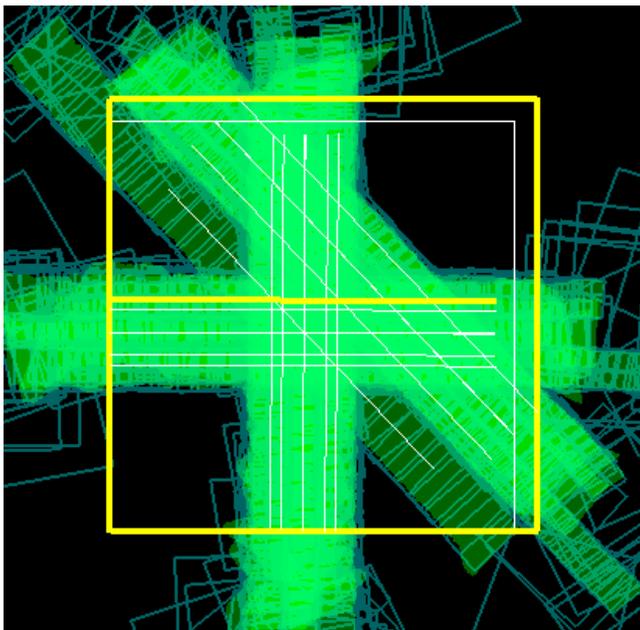
### Concerns

Hotel Kit for payload 2 is non-operational and failed during extraction of yesterday's flight. Two calibration flights still need to be extracted and QAQC for final D03 flights still need to be completed. No flight disk sets available.

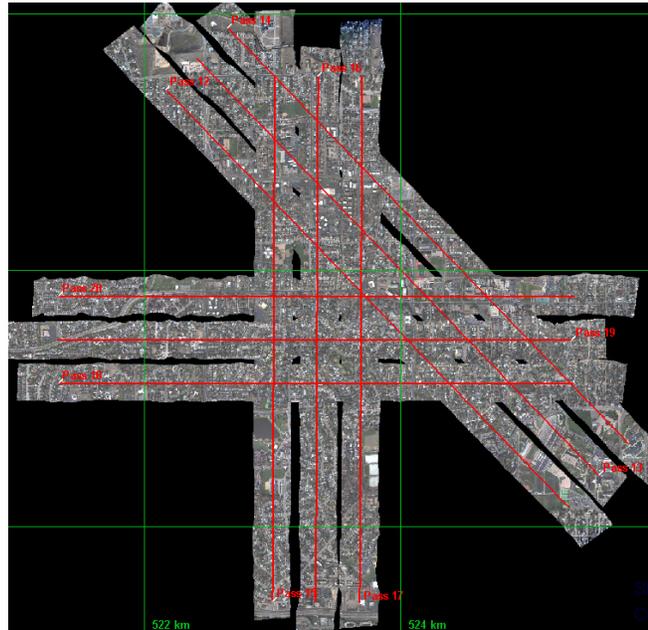
### Comments

- Andrew Bigoney and has taken disks and HK to HQ to extract and hopefully resurrect HK2. He will deliver usable disk sets by tomorrow morning.

### Flight Screenshots



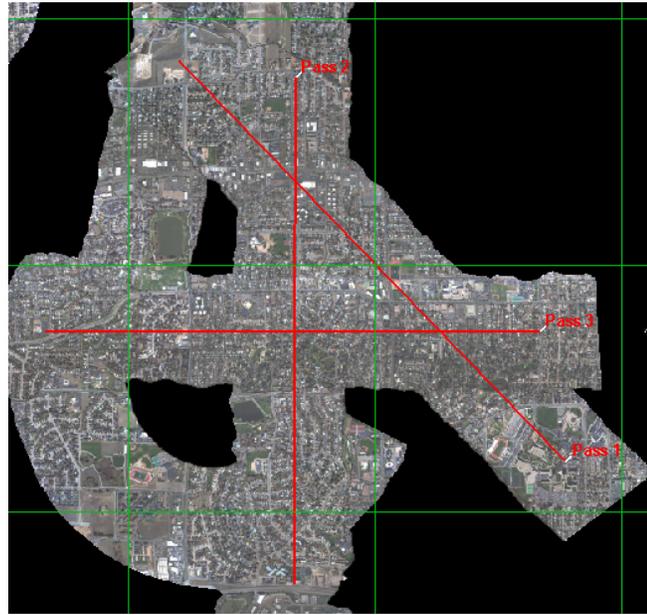
Lidar



NIS 500m



NIS 1000m



NIS 1500m

Daily Coverage

D00   B10B	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✗	✓	NC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
Flown:	20							

Cumulative Domain Coverage

B10B

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Flown: 100% (20/20)

Green: 55% (11/20)

Yellow: 45% (9/20)

Red: 0% (0/20)

### H10B

1	2	3	4
---	---	---	---

Flown: 100% (4/4)  
Green: 0% (0/4)  
Yellow: 0% (0/4)  
Red: 100% (4/4)

### N10C

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

Flown: 100% (14/14)  
Green: 107% (15/14)  
Yellow: 100% (14/14)  
Red: 0% (0/14)

### O10A

1	2
---	---

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

### R10A

1	2	3	4	5
---	---	---	---	---

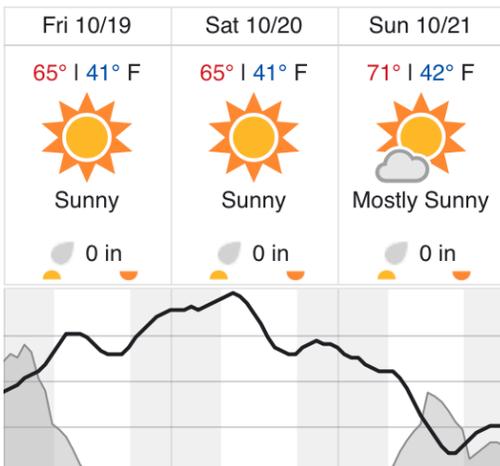
Flown: 0% (0/5)  
Green: 0% (0/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

### W10B

1	2
---	---

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

### Weather Forecast



☁ Cloud Cover (%)    ☔ Chance of Precip. (%)

## **Flight Collection Plan for 19-21 October 2018**

Collection Area: **Radiometric Calibration - Table Mountain (R10A)**

Flight Plan Name: D10\_R10A\_Radiometric\_Calibration\_Table\_Mountain\_v1.pln

35° On Station Time: 1110 Local / 1710 UTC

Collection Area: **NIS Offset Flight (O10A)**

Flight Plan Name: D10\_O10A\_NIS\_Offset\_v1.pln

35° On Station Time: 1110 Local / 1710 UTC