



September 19, 2019 Payload 3 Daily Flight Report



Date: 2019-09-19

Flight Campaign ID: 2019_P3C1

Airport, FBO ID, City: Rocky Mountain Metropolitan Airport (KBJC) - Broomfield, CO

Domain: 00

Sites Flown: O10B (NIS Offset - Riegl), R10C (Table Mountain Radiometric Calibration - Riegl)

Days left in Domain: 0

Report Author: Matt Devoe

Flight Crew: Matt Devoe, Ivana Vu

Ground/GPS: None

Pilots: Mike Francis, Dylan Malfatti

Additional Personnel:

GPS Instruments: U-P041

Flight Hours: 03:42

Hours until maintenance: 04.00

Summary

Good day for the Otters. Payload 3 completed the last two calibration flights, Table Mountain Radiometric and NIS Offset in unison with Payload 2. Radiometric was collected at both a 40 and 45 degree sun angle. System will be left on until Monday and pending successful extraction and QA of all calibration flights de-install will commence Tuesday.

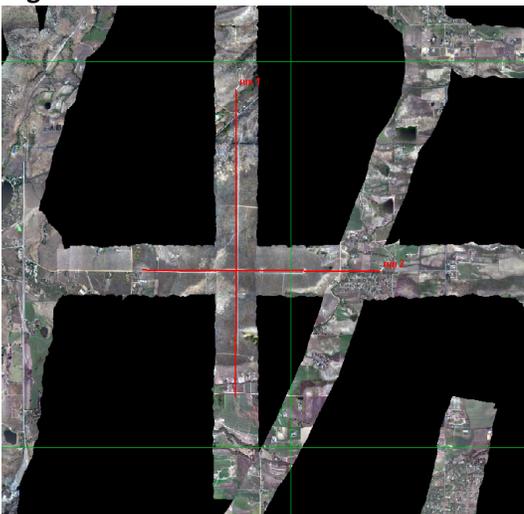
Concerns

None

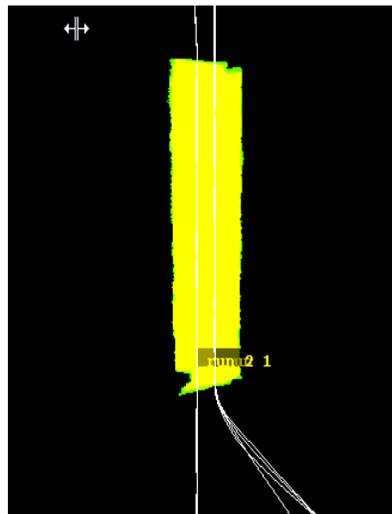
Comments

None

Flight Screenshots



NIS (R10C)



Q780 (O10B)



NIS (R10C)

Daily Coverage

D00 O10B	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
Flown:	2							
D00 R10C	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
Flown:	5							

Cumulative Domain Coverage

H10C



Flown: 200% (4/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 650% (13/2)

N10D



Flown: 85% (22/26)
 Green: 0% (0/26)
 Yellow: 0% (0/26)
 Red: 169% (44/26)

O10B



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

R10C



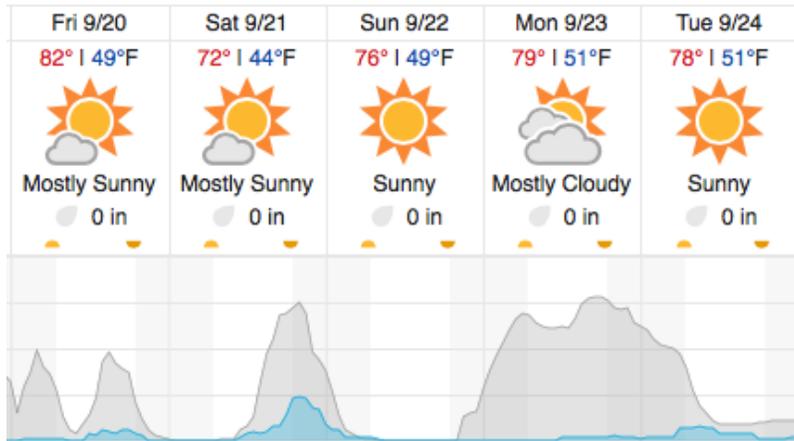
Flown: 100% (5/5)
 Green: 160% (8/5)
 Yellow: 40% (2/5)
 Red: 100% (5/5)

W10C



Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 200% (4/2)

Weather Forecast



Flight Collection Plan for 20 September 2019

No flights planned unless extraction and/or QA fail.

Flight Collection Plan for 21 September 2019

Same as previous day.