



September 19, 2019 Payload 2 Daily Flight Report



Date: 2019-09-19

Flight Campaign ID: 2019_P2C1

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

Domain: 00

Sites Flown: O10A (NIS Offset), R10A (Table Mountain Radiometric Calibration)

Days left in Domain: 4

Report Author: Robb Walker

Flight Crew: Robb Walker, Cameron Chapman

Ground/GPS: John Adler

Pilots: Chad Evans, Wesley Wyatt

Additional Personnel: Abe Morrison

GPS Instruments:

Flight Hours: 03:41

Hours until maintenance: 71.62

Summary

Good day for the Otters. Payload 2 completed the last two calibration flights, Table Mountain Radiometric and NIS Offset in unison with Payload 3. 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.

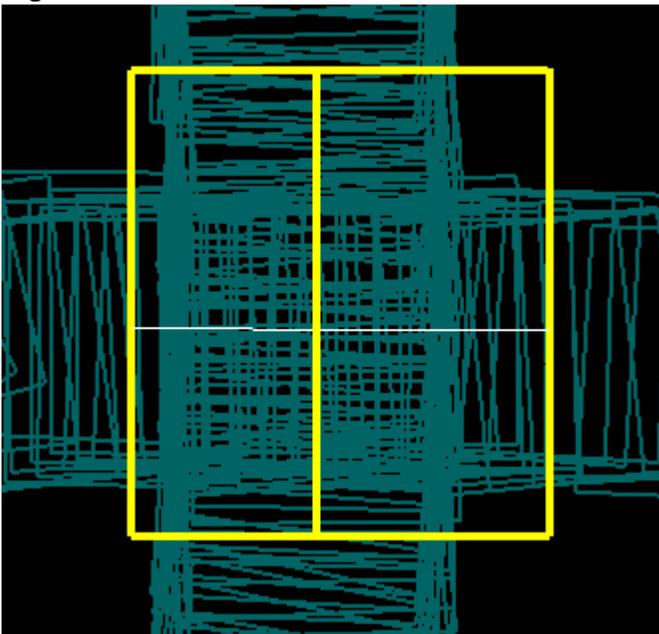
Concerns

None

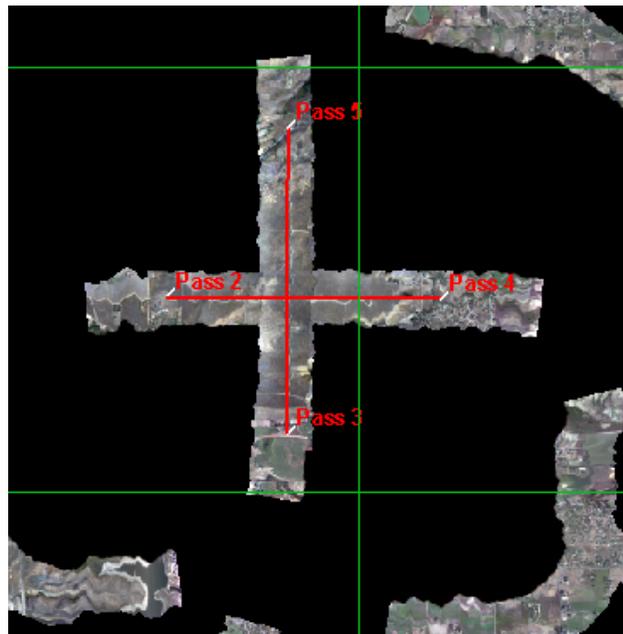
Comments

None

Flight Screenshots

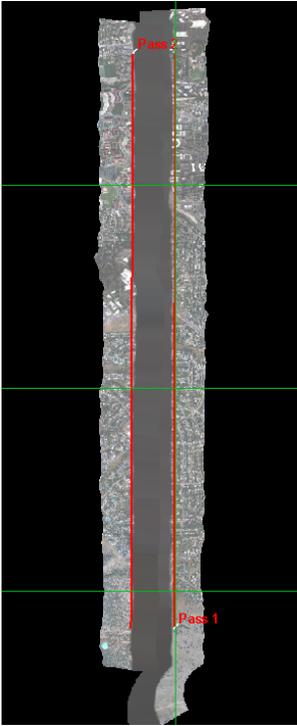


ALTM Camera (R10A)

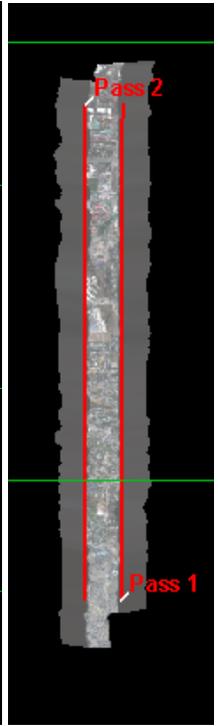


NIS (R10A)

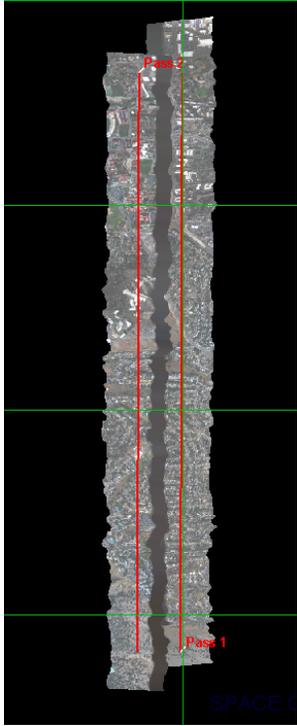
NIS Offset



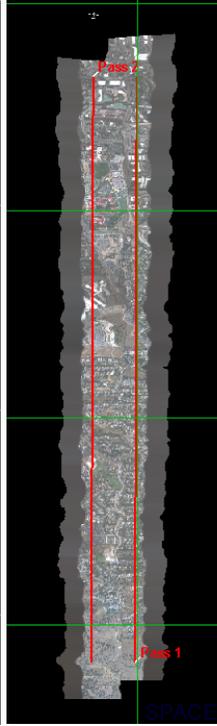
Left Half



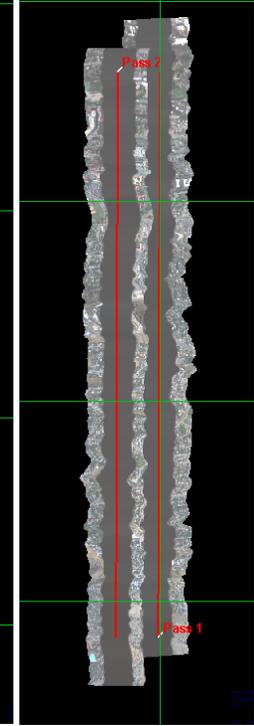
Right Half



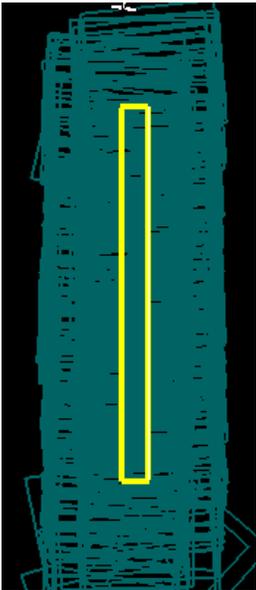
Left Third



Right Third



Middle Third



ALTM Camera (NIS Offset)

Pictures



Abe Morrison taping Ultrapol to the Otters (photo credit: Nick Marusich)

Daily Coverage

D00 O10A	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
Flown:	2							

Cumulative Domain Coverage

B10B

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Flown: 100% (20/20)

Green: 175% (35/20)

Yellow: 25% (5/20)

Red: 0% (0/20)

H10B

1	2	3	4
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Flown: 100% (4/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 200% (8/4)

O10A

1	2
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Flown: 500% (10/2)

Green: 500% (10/2)

Yellow: 500% (10/2)

Red: 0% (0/2)

R10A

1	2	3	4	5
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Flown: 100% (5/5)
Green: 100% (5/5)
Yellow: 0% (0/5)
Red: 0% (0/5)

W10B

1	2
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Flown: 150% (3/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 250% (5/2)

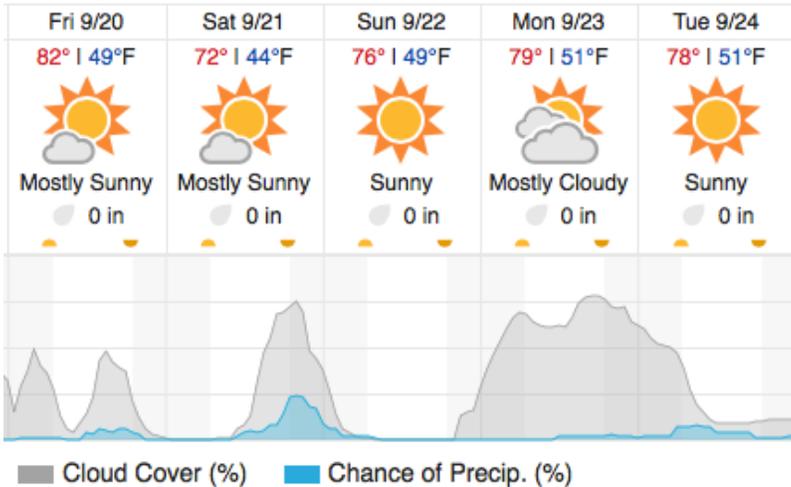
N10C

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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Flown: 100% (14/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 200% (28/14)

Weather Forecast

Boulder, CO



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.