



Payload 3 Daily Flight Report



Date: 2020-08-25

Flight Campaign ID: P3C1

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

Domain: 00 (Training & Calibration)

Sites Flown: None

Days left in Domain: 23

Report Author: Mitch Haynes

Lidar Operators: Mitch Haynes

Flight Hours: 00:00

Spectrometer Operators: Cameron Chapman **Hours until maintenance:** 31.88

Pilots: Justin Eddington, Jeff Quintanilla

Ground Crew: Matt DeVoe

Summary

Heavy areas of smoke/haze across the front range today. Crew opted to hold off on flights today as forecasts suggest we might see an increase in visibility and better air quality over the next couple days.

Concerns

None

Comments

- Continued testing of both the new Hotel Kit 5 and Hotel Kit 3 using this past weekend's recent flights of V10C. These flights will be used for testing extractions only, and will not be shipped with the RAID.

Cumulative Domain Coverage

D00|B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)

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: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

D00|CPER (Satellite Overpass Coincident Collection & 1000m Multiple Altitude Test Flight - CPER)

11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Flown: 0% (0/14)

Green: 0% (0/14)

Yellow: 0% (0/14)

Red: 0% (0/14)

D00|F10A (D10 BRDF Flight - CPER)

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: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

D00|H10C (NEON Headquarters Lidar Test - Riegl)

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

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 100% (4/4)

D00|K10A (2000m Multiple Altitude Test Flight - CPER)

6	7	8	9	10	11
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Flown: 0% (0/6)

Green: 0% (0/6)

Yellow: 0% (0/6)

Red: 0% (0/6)

D00|K10B (2000m Multiple Altitude Test Flight - RMNP)

2	3	4	5	6	7
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Flown: 0% (0/6)

Green: 0% (0/6)

Yellow: 0% (0/6)

Red: 0% (0/6)

D00|N10D (Nominal Runway at KBDU - Riegl)

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: 0% (0/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

D00|O10B (NIS Offset - Riegl)

1	2
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Flown: 0% (0/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

D00|R10C (Table Mountain Radiometric Calibration - Riegl)

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)

D00|RMNP (1000m Multiple Altitude Test Flight - RMNP)

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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Flown: 0% (0/18)

Green: 0% (0/18)

Yellow: 0% (0/18)

Red: 0% (0/18)

D00|W10C (Wiggle Timing Test - Riegl)

1	2
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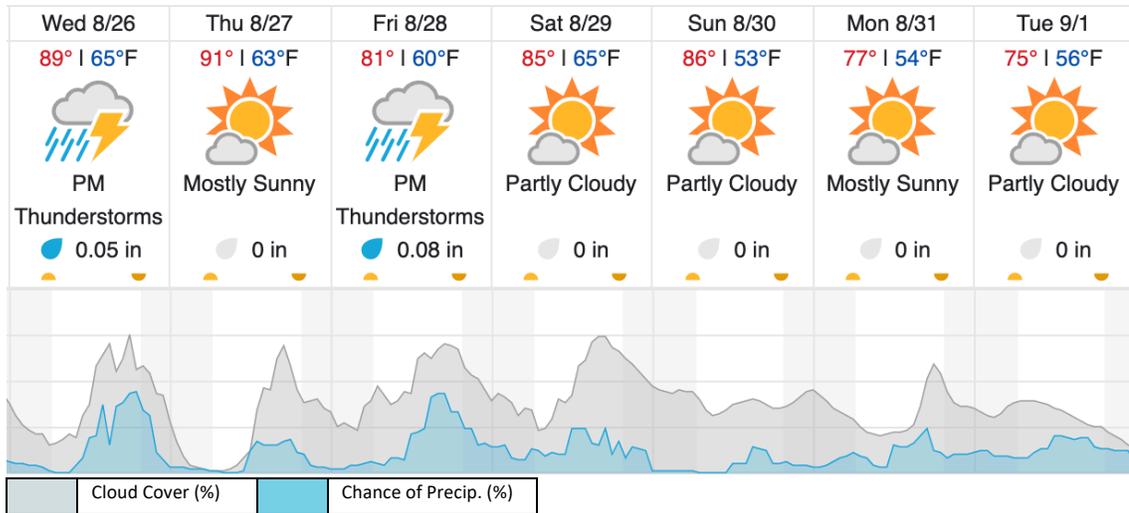
Flown: 100% (2/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 100% (2/2)

Weather Forecast



Flight Collection Plan for 26 August 2020

Flyority 1

Collection Area: Satellite Overpass Coincident Collection & 1000m Multiple Altitude Test Flight - CPER

Flight Plan Name: D10_CPER_C1_P1_v6_Q780

On-station Time: 1000 – 1600 Local / 1600 – 2200 UTC

Flyority 2

Collection Area: 2000m Multiple Altitude Flight - CPER

Flight Plan Name: D10_K10A_Multiple_Alt_2000m_v1

On-station Time: 1000 – 1600 Local / 1600 – 2200 UTC

Flyority 3

Collection Area: 1000m Multiple Altitude Test Flight - RMNP

Flight Plan Name: D10_RMNP_R2_P1_v2_Q780

On-station Time: 1000 – 1610 Local / 1600 – 2210 UTC

Flyority 4

Collection Area: 2000m Multiple Altitude Flight - RMNP

Flight Plan Name: D10_K10B_Multiple_Alt_v2

On-station Time: 1000 – 1610 Local / 1600 – 2210 UTC

Flyority 5

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780

On-station Time: 1000 – 1610 Local / 1600 – 2210 UTC

Flyority 6

Collection Area: Riegl Boresight Calibration at Greeley

Flight Plan Name: D10_B10E_Boresight_1600m_Q780

On-station Time: 0900 – 1700 Local / 1500 – 2300 UTC

Flyority 7

Collection Area: Nominal Runway

Flight Plan Name: D10_N10D_Nominal_Runway_v8_Q780

Flyority 8

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780

On-station Time: 0930 – 1640 Local / 1530 – 2240 UTC

Wed 8/26 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground)

Thurs 8/27 Crew: Cam (Lidar), Ivana (NIS), Robb (Ground)

Friday 8/28 Crew: Ivana (Lidar), Mitch (NIS), Cam (Ground)