



## Payload 3 Daily Flight Report



**Date:** 2020-09-05

**Flight Campaign ID:** P3C1

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

**Domain:** 00 (Training & Calibration)

**Sites Flown:** RMNP (Rocky Mountain National Park)

**Days left in Domain:** 12

**Report Author:** Robb Walker

**Lidar Operators:** Robb Walker

**Spectrometer Operators:** Cameron Chapman

**Pilots:** Justin Eddington, Jeff Quintanilla

**Ground Crew:** Mitch Haynes, (Bridget Hass, Elissa Barris) CPER Ground Crew

**Flight Hours:** 00:00

**Hours until maintenance:** 21.68

**GPS Instruments:** None

### Summary

Smoke levels increased overnight in front range, and especially North over CPER. Conditions at CPER and RMNP were not optimal for Satellite Overpass flight or Multiple Altitude test flights at either site.

### Comments

- Crew remains hopeful that smoke will decrease following cold front on Tuesday.
- Pilot Jeff Quintanilla departed for time off and Stephen Brawdars arrived. Thanks Jeff and Safe Travels!

### Concerns

- None

### 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: 100% (20/20)

Green: 70% (14/20)

Yellow: 30% (6/20)

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: 100% (20/20)

Green: 100% (20/20)

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: 92% (24/26)  
 Green: 0% (0/26)  
 Yellow: 0% (0/26)  
 Red: 92% (24/26)

D00|O10B (NIS Offset - Riegl)

1	2
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Flown: 100% (2/2)  
 Green: 100% (2/2)  
 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: 100% (5/5)  
 Green: 100% (5/5)  
 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)

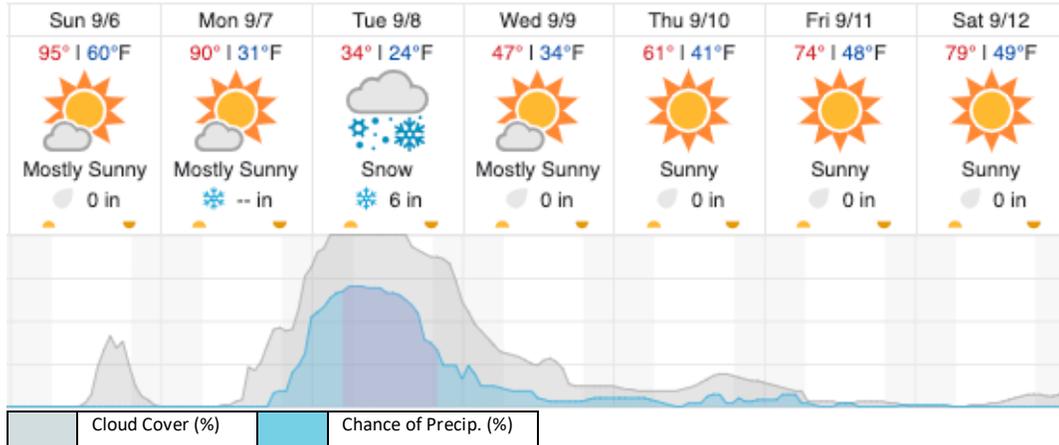
D00|W10C (Wiggle Timing Test - Riegl)

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

## Weather Forecast

Boulder, CO



### Flight Collection Plan for 06 September 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: 1010 – 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: 1010 – 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: 1020 – 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: 1020 – 1610 Local / 1600 – 2210 UTC

Sunday 9/6 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)

Monday 9/7 Crew: Mitch (Lidar), Robb (NIS), Cam (Ground)

Tuesday 9/8 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground)