



## Payload 3 Daily Flight Report



**Date:** 2020-09-10

**Flight Campaign ID:** P3C1

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

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

**Sites Flown:** None

**Days left in Domain:** 07

**Report Author:** Cameron Chapman

**Lidar Operators:** Cameron Chapman

**Flight Hours:** 00:00

**Spectrometer Operators:** Mitch Haynes

**Hours until maintenance:** 21.52

**Pilots:** Justin Eddington, Stephen Brawdres

**Ground Crew:** Robb Walker

### Summary

Clouds lingered over the front range today. No flights were attempted. Satellite imagery is still indicating a clearing trend over much of Colorado which should provide an excellent chance to collect data in the coming days.

### Concerns

- None

### Comments

- GPS 1 was visited today to ensure functionality after the snow event and to switch the battery.
- New KML files will be tested on the DCC computer tomorrow morning.

### Picture:

GPS 1 covered in snow at RMNP on 9/10/20.  
Photo credit: (Robb & Mitch )



## Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

## 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

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

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

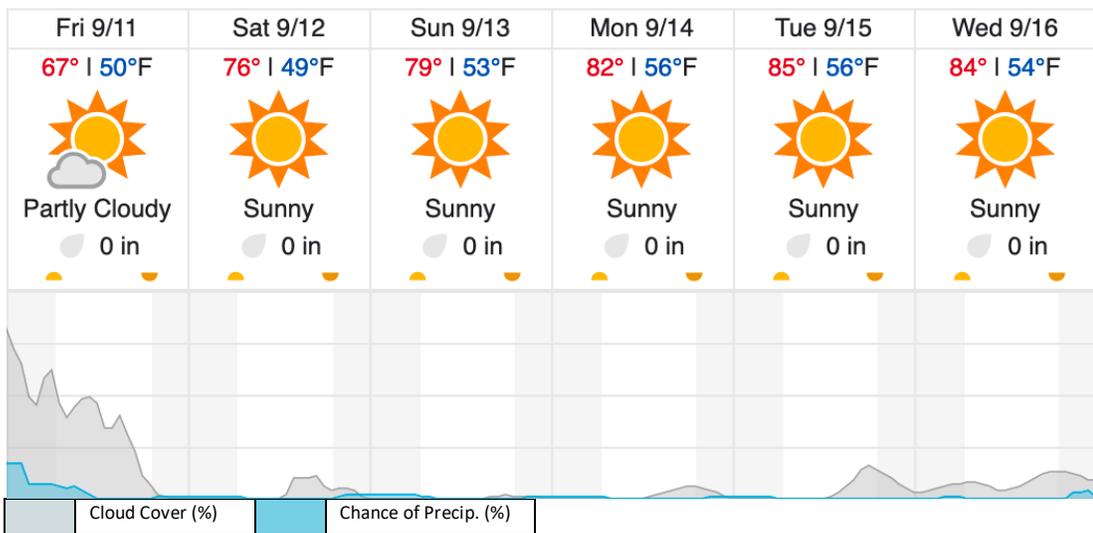
Flown: 0% (0/18)  
 Green: 0% (0/18)  
 Yellow: 0% (0/18)  
 Red: 0% (0/18)

D00|W10C (Wiggle Timing Test - Riegl)

1 2

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

Weather Forecast



Flight Collection Plan for 11 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: 1030 – 1530 Local / 1630 – 2130 UTC

**Flyority 2**

Collection Area: 2000m Multiple Altitude Flight - CPER

Flight Plan Name: D10\_K10A\_Multiple\_Alt\_2000m\_v1

On-station Time: 1030 – 1530 Local / 1630 – 2130 UTC

**Flyority 3**

Collection Area: 1000m Multiple Altitude Test Flight - RMNP

Flight Plan Name: D10\_RMNP\_R2\_P1\_v2\_Q780

On-station Time: 1030 – 1530 Local / 1630 – 2130 UTC

**Flyority 4**

Collection Area: 2000m Multiple Altitude Flight - RMNP

Flight Plan Name: D10\_K10B\_Multiple\_Alt\_v2

On-station Time: 1030 – 1530 Local / 1630 – 2130 UTC

Friday 9/11 Crew: Mitch (Lidar), Robb (NIS), Cam (Ground)

Saturday 9/12 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground)

Sunday 9/13 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)