

## Payload 3 Daily Flight Report



Date: 2020-09-06

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: 11

**Report Author**: Cameron Chapman

**Lidar Operators**: Cameron Chapman **Flight Hours**: 00:00

**Spectrometer Operators**: Mitch Haynes **Hours until maintenance**: 21.68

Pilots: Justin Eddington, Stephen Brawders GPS Instruments: None

**Ground Crew**: Mitch Haynes

### **Summary**

Radar showed substantial burning at the Cameron Peak fire which intensified overnight and continued throughout the day bringing widespread smoke for much of the Boulder / Denver area. No flights were attempted.

### **Comments**

- Crew remains hopeful that smoke will decrease following cold front on Tuesday.
- The Aircraft will be relocated to KBJC in Broomfield tomorrow due to the impending KBDU runway closure.

# Concerns

None

### **Cumulative Domain Coverage**

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

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

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

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

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

0   /   0   9   10   11	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)

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

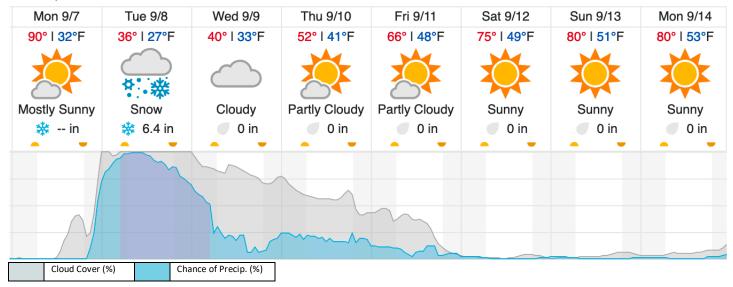
# D00 | W10C (Wiggle Timing Test - Riegl)

# 1 2

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

### **Weather Forecast**

### Boulder, CO



# Flight Collection Plan for 07 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

Monday 9/7 Crew: Mitch (Lidar), Robb (NIS), Cam (Ground) Tuesday 9/8 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground) Wednesday 9/9 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)