



## Payload 2 Daily Flight Report

**Date:** 2020-08-20

**Flight Campaign ID:** P2C1

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

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

**Sites Flown:** None

**Days left in Domain:** 0

**Report Author:** Michael Wussow

**Lidar Operators:** Michael Wussow

**Flight Hours:** 00:00

**Spectrometer Operators:** Ivana Vu

**Hours until maintenance:** 17.12

**Pilots:** Chad Evans, Stephen Brawdars

**Ground Crew:** Robb Walker

### Summary

With fires throughout western and northern Colorado continuing to burn and grow, the smoke remained problematic for Payload-2. Conditions yet again were not pristine enough for the BRDF or Satellite coincidental collections and no flights were conducted today.

### Concerns

None.

### Comments

With Payload-3 having returned from a long stint in D05 (Welcome back!) and needing to complete post-season calibration and engineering flights, it was determined that the BRDF and Satellite overpass flights could be taken on with P3 over the next month. As a result of this, Payload-2 has concluded its season for 2020 and has been shut down in preparation for removal of the payload tomorrow.

### Cumulative Domain Coverage

#### Estimated Cloud Cover Key

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

#### D00|B10B (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 500m)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Flown: 100% (20/20)

Green: 100% (20/20)

Yellow: 100% (20/20)

Red: 0% (0/20)

#### D00|CPER (Satellite Overpass Coincident Collection - Central Plains Ecological Range)

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	27	28
----	----	----	----	----	----	----	----

Flown: 0% (0/28)  
Green: 0% (0/28)  
Yellow: 0% (0/28)  
Red: 0% (0/28)

#### D00|F10A (D10 BRDF Flight - Central Plains Ecological Range)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Flown: 0% (0/20)  
Green: 0% (0/20)  
Yellow: 0% (0/20)  
Red: 0% (0/20)

#### D00|H10B (NEON Headquarters Lidar Test - modified cross-track)

1	2	3	4
---	---	---	---

Flown: 100% (4/4)  
Green: 50% (2/4)  
Yellow: 50% (2/4)  
Red: 0% (0/4)

#### D00|N10C (Nominal Runway at KBDU - Optech)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

Flown: 100% (14/14)  
Green: 0% (0/14)  
Yellow: 0% (0/14)  
Red: 100% (14/14)

#### D00|O10A (NIS Offset)

1	2	3	4	5
---	---	---	---	---

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

#### D00|R10A (Table Mountain Radiometric Calibration)

1	2	3	4	5
---	---	---	---	---

Flown: 100% (5/5)  
Green: 100% (5/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

#### D00|W10B (Wiggle Timing Test)

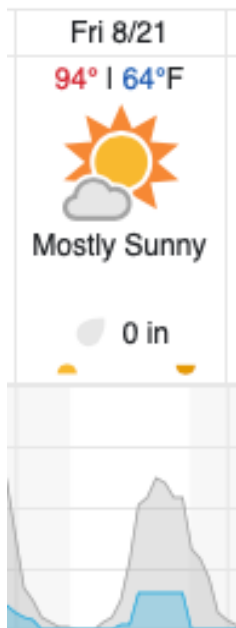
1	2
---	---

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

**Weather Forecast**

Boulder, CO

Grand Junction, CO



**Flight Collection Plan for 21 August 2020**

Payload Removal

Crew: Matt Devoe, John Adler