



Payload 1 Daily Flight Report



**Date:** 2023-04-09  
**Flight Campaign ID:** P1C1  
**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO  
**Aircraft:** N331AR

**Domain:** 00 (Training & Calibration)  
**Sites Flown:** none  
**Days left in Domain:** 4

**Report Author:** John  
**Lidar Operators:** John                      **Flight Hours:** 0.0  
**Spectrometer Operators:** Mike       **Hours until maintenance:** 95.00  
**Pilots:** Justin, Paul                      **GPS Instruments:** n/a  
**Ground Crew:** Matt

**Summary**

Standby day for possible reflly. Turns out the GPS nav had spurious data, so a reflly will be required for the boresight.

**Concerns**

None.

**Comments**

None.

**Daily Coverage**

Estimated Cloud Cover Key

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

D00|O10C

Line #	1	2	1	2	1	2	1	2	1	2
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

Total number of lines flown: 10

## Cumulative Domain Coverage

### D00|B10F (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 550m - Galaxy)

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: 0% (0/20)

Yellow: 75% (15/20)

Red: 25% (5/20)

### D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

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|N10F (Nominal Runway at KBDU - Galaxy)

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	29	30	31	32	33	34	35	36	37				

Flown: 100% (37/37)

Green: 14% (5/37)

Yellow: 86% (32/37)

Red: 0% (0/37)

### D00|O10C (NIS Offset - Galaxy)

1	2
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Flown: 100% (2/2)

Green: 100% (2/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

### D00|R10E (Table Mountain Radiometric Calibration - Galaxy)

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|R10F (Boulder Airport Radiometric Calibration - Galaxy)

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|V10F ()

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	29												

Flown: 14% (4/29)

Green: 0% (0/29)

Yellow: 14% (4/29)

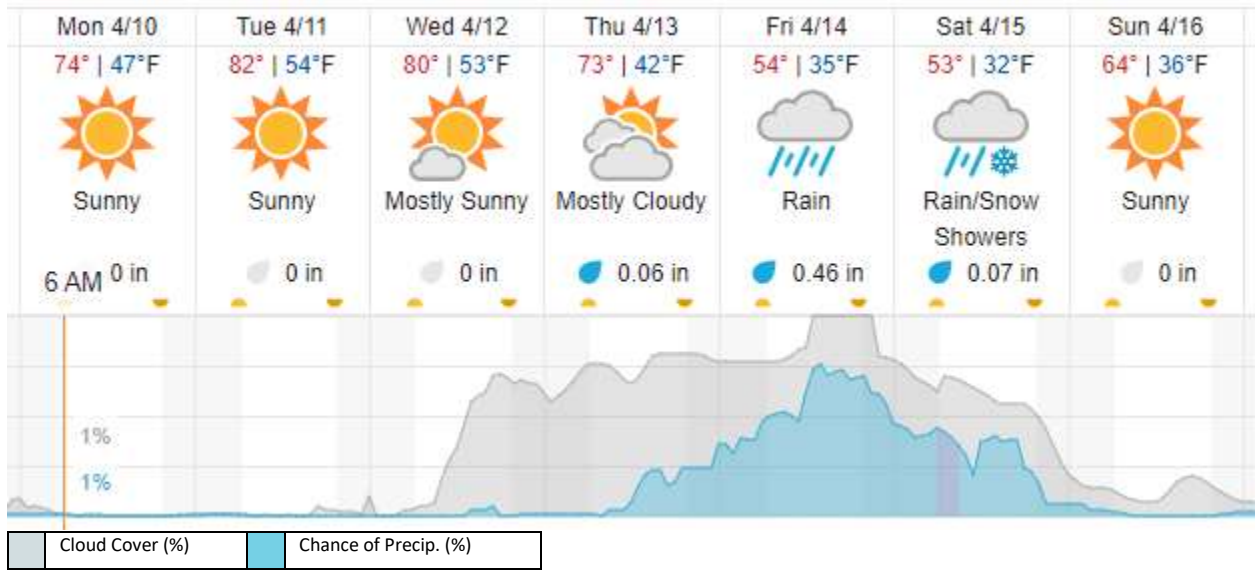
Red: 0% (0/29)

D00|W10D (Wiggle Timing Test - Galaxy)

1 2

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

**Weather Forecast**  
**Boulder, CO**



source: wunderground.com

**Flight Collection Plan for April 10<sup>th</sup>, 2023**

Refly of the Boresight tomorrow, 0830 show.

Mike (lidar), Nick (NIS), Matt (ground) > John (ground)