



## Payload 1 Daily Flight Report



**Date:** 2024-09-15

**Flight Campaign ID:** P1C1

**Airport, FBO ID, City:** Nashua Airport at Boire Field (KASH) - Nashua, NH

**Aircraft:** N615AR

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

**Sites Flown:**

**Days left in Domain:** 4

**Report Author:** Nick

**Lidar Operators:** Nick

**Flight Hours:** 00:00

**Spectrometer Operators:** John **Hours until maintenance:** 0.00

**Pilots:** Justin, Will

**Ground Crew:** Matt

### Summary

No flights were attempted today. The crew will complete required calibration flights tomorrow if weather permits.

The science team is evaluating the radiometric data collected last week.

### Concerns

None.

### Comments

None.

### Flight Screenshots

None.

### Pictures

None.

### 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: 10% (2/20)

Yellow: 90% (18/20)

Red: 0% (0/20)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

1	2	3	4
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Flown: 0% (0/4)  
Green: 0% (0/4)  
Yellow: 0% (0/4)  
Red: 0% (0/4)

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: 0% (0/37)  
Green: 0% (0/37)  
Yellow: 0% (0/37)  
Red: 0% (0/37)

D00|O10C (NIS Offset - Galaxy)

1	2
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Flown: 0% (0/2)  
Green: 0% (0/2)  
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: 100% (5/5)  
Green: 100% (5/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

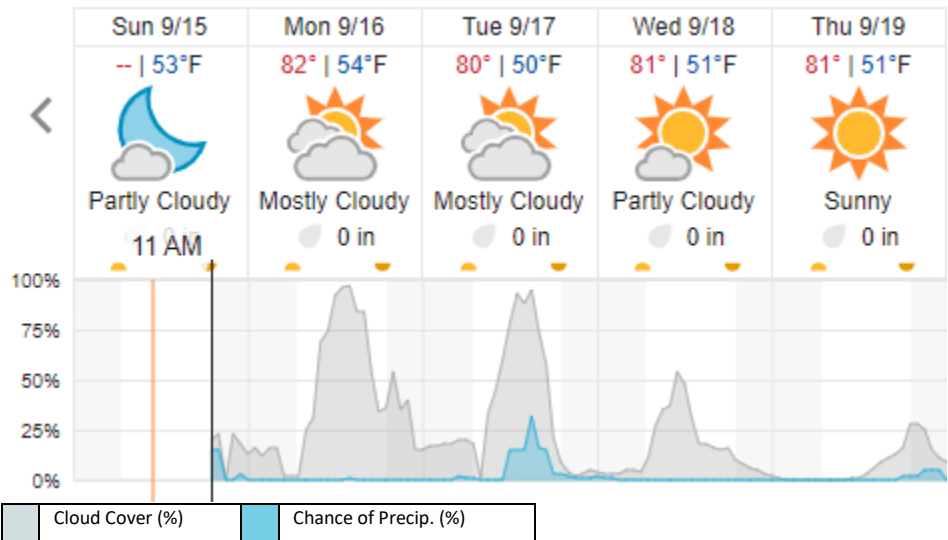
D00|W10D (Wiggle Timing Test - Galaxy)

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

Weather Forecast

Boulder CO



source: wunderground.com

## **Flight Collection Plan for September 16, 2024**

### **Flyority 1**

Collection Area: Nominal Runway Survey

Flight Plan Name: D10\_N10D\_Nominal\_Rnwy\_v8\_Q780

### **Flyority 2**

Collection Area: NEON HQ Lidar Validation

Flight Plan Name: D10\_H10D\_HQ\_LIDAR\_Validation\_v2\_PRM

On-Station Time: Daylight – No solar angle restrictions.

### **Flyority 3**

Collection Area: Wiggle Timing Test

Flight Plan Name: D10\_W10D\_Wiggle\_Test\_v7\_PRM

40° On-station Time: 1630 UTC / 1030 L

Additional Considerations: Runway should not be wet or snow covered.

### **Flyority 4**

Collection Area: NIS Offset Flight

Flight Plan Name: D10\_O10C\_NIS\_Offset\_v3\_PRM

35° On-station Time: 1600 UTC / 1000 L

### **Flight Crew**

John (Lidar), Matt (NIS), Nick (Ground)