



Payload 1 Daily Flight Report



Date: 2024-09-14

Flight Campaign ID: P1C1

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

Aircraft: N615AR

Domain: 00 (Training & Calibration)

Sites Flown: R10E (Table Mountain Radiometric Calibration - Galaxy)

Days left in Domain: 4

Report Author: Matt

Lidar Operators: Matt

Spectrometer Operators: Nick

Pilots: Justin, Will

Flight Hours: 0

Hours until maintenance: 26.48

GPS Instruments: N/A

Summary

No flights conducted today.

Concerns

The number of pilot crews will shrink to a single set starting Monday due to late-notice NEON schedule extensions. Remaining flights are not expected to be impacted significantly.

Comments

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)

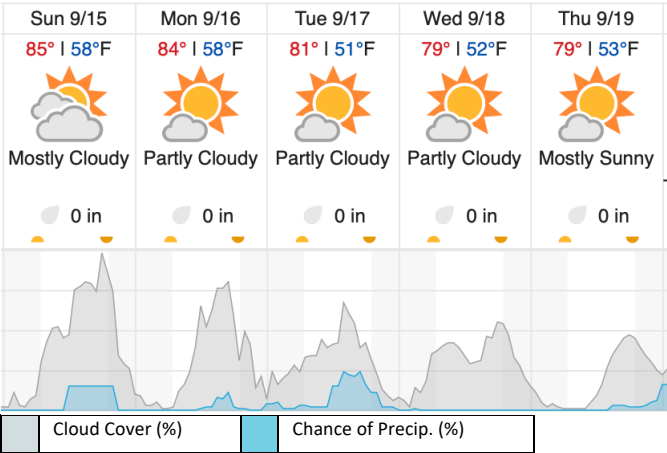
D00|W10D (Wiggle Timing Test - Galaxy)

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 15, 2024

Flyority 1

Collection Area: Nominal Runway Survey
Flight Plan Name: D10_N10D_Nominal_Rnwy_v8_Q780
40° On-station Time: 1620 UTC / 1030 L

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

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