

Payload 3 Daily Flight Report



Date: 2024-03-24

Flight Campaign ID: P3C1

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

Aircraft: N821AR

Domain: 00 (Training & Calibration)

Sites Flown: None **Days left in Domain**: 5

Report Author: Cameron

Spectrometer Operators: Elissa Hours until maintenance: 122.10

Pilots: Justin, Will Ground Crew: Mitch

Summary

A cloudy day mix with wind and isolated rain showers. No flights were conducted.

Concerns

None

Comments

None

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line#

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

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

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

D00 | H10C (NEON Headquarters Lidar Test - Riegl)

1 2 3 4

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

D00 | N10D (Nominal Runway at KBDU - Riegl)

										5.1										
	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: 86% (24/28) Green: 0% (0/28) Yellow: 0% (0/28) Red: 86% (24/28)

D00 | O10B (NIS Offset - Riegl)

1 2

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

D00 | R10C (Table Mountain Radiometric Calibration - Riegl)

1 2 3 4 5 Flown: 0% (0/5)

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

D00 R10D (Boulder Airport Radiometric Calibration)

1 2 3 4 5

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

D00 V10C (Boulder City South)

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: 0% (0/29) Green: 0% (0/29) Yellow: 0% (0/29) Red: 0% (0/29)

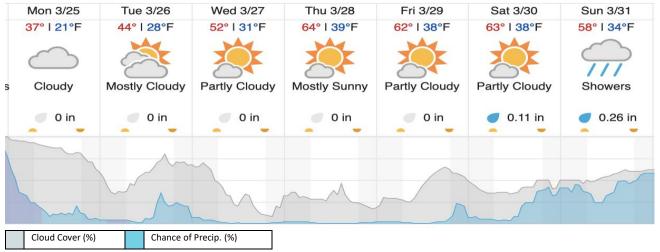
D00 | W10C (Wiggle Timing Test - Riegl)

1 2

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 25 March 2024

Flyority 1

Collection Area: Table Mountain Radiometric Calibration Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780

45° On-station Time: 1730 UTC / 1130 L

Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: Boresight Calibration - Greeley, CO

Flight Plan Name: D10_B10E_Boresight_1600m_Q780 (RiAcquire name: D10_B10E_Boresight_Apx_Q780)

30° On-station Time: 1550 UTC / 0950 L

Additional Considerations: No recent snowfall, clear roofs required.

Flyority 3

Collection Area: NEON HQ Lidar Validation
Flight Plan Name: D10_H10C_HQ_val_v1_Q780
On-Station Time: Daylight – No solar angle restrictions.

Flyority 4

Collection Area: Wiggle Timing Test

Flight Plan Name: D10_W10C_Wiggle_Test_v6_Q780

40° On-station Time: 1650 UTC / 1050 L

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

Flyority 5

Collection Area: NIS Offset Flight

Flight Plan Name: D10 O10B NIS Offset v2 Q780

35° On-station Time: 1620 UTC / 1030 L

Flight Crew

Mitch (Lidar), Cam (NIS), Elissa (Ground), Matt (Ground)