



Payload 1 Daily Flight Report



Date: 2023-03-27

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: 3

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 00:00

Spectrometer Operators: Mitch

Hours until maintenance: 118.72

Pilots: Justin, Vince

Ground Crew: Matt

Summary

Wintery conditions blew through the region bringing high winds and snow for much of the day keeping the aircraft grounded. No flights were conducted.

Concerns

None

Comments

Abe is scheduled to arrived tonight and join the P1 crew tomorrow.

Daily Coverage

Estimated Cloud Cover Key

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

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

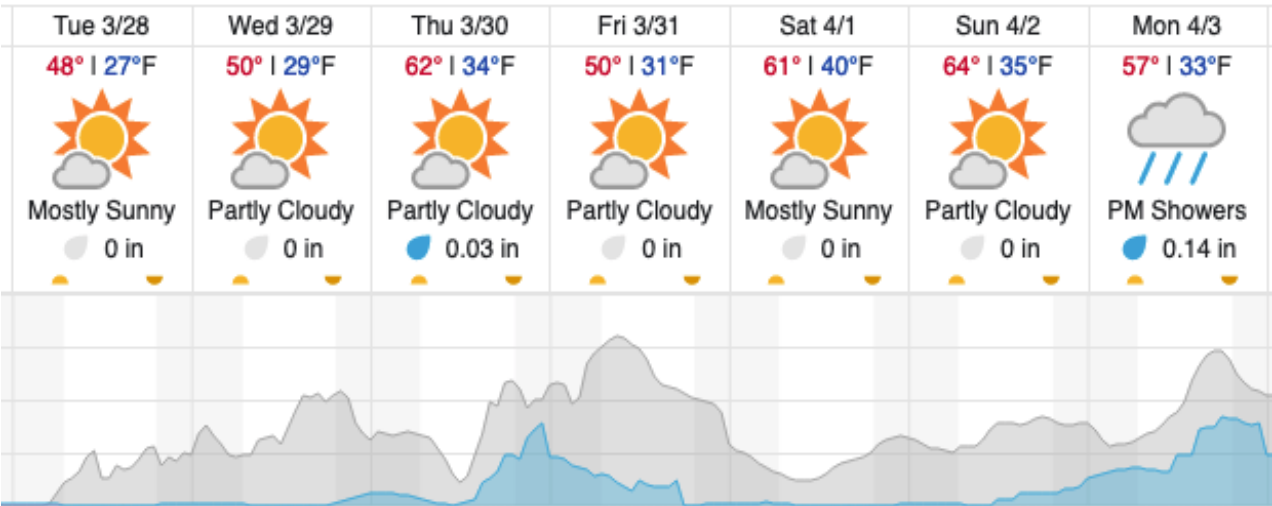
D00|W10D (Wiggle Timing Test - Galaxy)

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

Weather Forecast

Boulder, CO



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 28 March 2023

Flyority 1

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10_R10E_Radiometric_Cal_Table_Mtn_v1_PRM.xml

45° On-station Time: 1740 UTC / 1140 L

Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM.xml

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

Flight Crew

Matt (Lidar), Abe (NIS), Mitch (Observer if needed), Cam (Ground)