Payload 3 Daily Flight Report

Date: 2024-09-16
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: 2

Report Author: Mitch
Lidar Operators: Mitch   **Flight Hours**: 00:00
Spectrometer Operators: Elissa   **Hours until maintenance**: 41.82
Pilots: Justin, Will
Ground Crew: Cameron

Summary
No opportunity to re-fly Table Mountain under green conditions; flight operations for this payload remain complete otherwise.

Concerns
None

Comments
None

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Flown: 100% (20/20)
Green: 0% (0/20)
Yellow: 100% (20/20)
Red: 0% (0/20)

D00|H10C (NEON Headquarters Lidar Test - Riegl)

1	2	3	4

Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 100% (4/4)
Red: 0% (0/4)

D00|N10D (Nominal Runway at KBDU - Riegl)

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: 36% (10/28)
Yellow: 50% (14/28)
Red: 0% (0/28)

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: 100% (5/5)
Green: 0% (0/5)
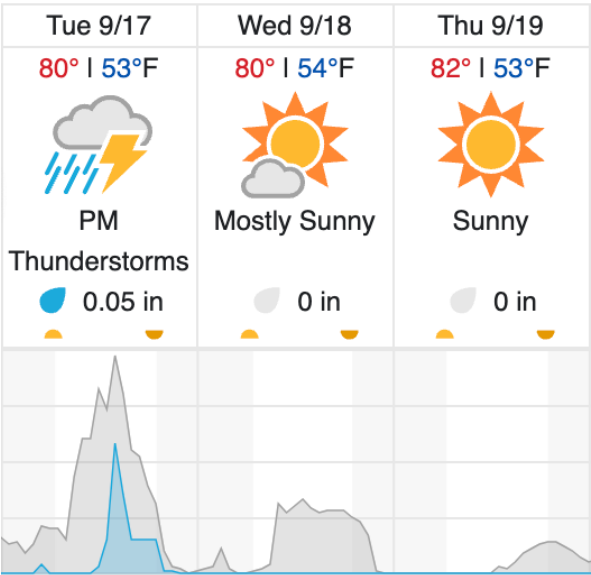Yellow: 100% (5/5)
Red: 0% (0/5)

D00|W10C (Wiggle Timing Test - Riegl)

1	2

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

Weather Forecast
Boulder, CO

Tue 9/17	Wed 9/18	Thu 9/19
80°	53°F	80°	54°F	82°	53°F
PM Thunderstorms	Mostly Sunny	Sunny
0.05 in	0 in	0 in

Cloud Cover (%)	Chance of Precip. (%)

source: wunderground.com

Flight Collection Plan for 17 September 2024

Flyority 1
Collection Area: Table Mountain Radiometric Calibration – *only if green*
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780
40º On-station Time: 1630 UTC / 1030 L | 45º On-station Time: 1700 UTC / 1100 L
Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: NIS Offset Flight - *optional*
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
35° On-station Time: 1600 UTC / 1000 L

Flight Crew
Cameron (Lidar), Mitch (NIS), Elissa (Ground)