



Payload 3 Daily Flight Report



Date: 2024-09-15
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: 3

Report Author: Elissa
Lidar Operators: Elissa **Flight Hours:** 00:00
Spectrometer Operators: Mitch **Hours until maintenance:** 41.82
Pilots: Vince, Manning

Summary
No flights were conducted today as we await final data review. Unless an opportunity arises to refly Table Mountain in green, flights are complete for this payload provided that calibrations pass QA.

Concerns
None.

Comments
None.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #

D00|B10E (Riegl Bore sight 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)

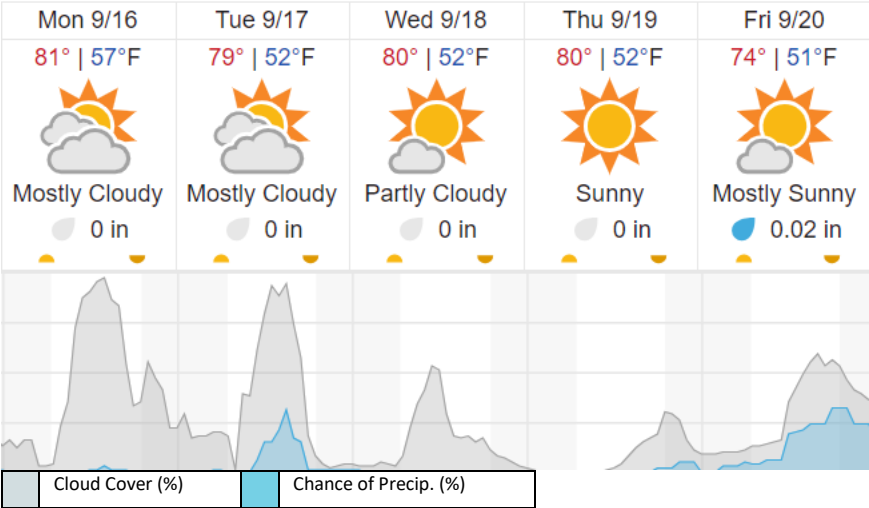
D00|W10C (Wiggle Timing Test - Riegl)

1	2
---	---

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

Weather Forecast

Boulder, CO (KBDU)



source: wunderground.com

Flight Collection Plan for 16 September 2024

Flyority 1

Collection Area: Table Mountain Radiometric Calibration – *only if green*

Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780

40° On-station Time: 1630 UTC / 1030 L | 45° 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

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