



Payload 2 Daily Flight Report



Date: 2020-08-12

Flight Campaign ID: P2C1

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

Domain: 00 (Training & Calibration)

Sites Flown: None

Days left in Domain: 19

Report Author: John Adler

Lidar Operators: John Adler

Spectrometer Operators: Robb Walker

Pilots: Chad Evans, Stephen Brawders

Ground Crew: Ivana Vu

Flight Hours: 00:00

Hours until maintenance: 23.53

GPS Instruments: None

Summary

Continued smokey and cloudy conditions in the vicinity of the survey sites precluded any flights today.

Concerns

None.

Comments

The State of Colorado put out "Air Quality Health Advisory for Wildfire Smoke" for Boulder and other counties.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

D00|B10B (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 500m)

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: 100% (20/20)

Red: 0% (0/20)

D00|CPER (Satellite Overpass Coincident Collection - Central Plains Ecological Range)

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: 0% (0/28)

Green: 0% (0/28)

Yellow: 0% (0/28)

Red: 0% (0/28)

D00|F10A (D10 BRDF Flight - Central Plains Ecological Range)

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: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

D00|H10B (NEON Headquarters Lidar Test - modified cross-track)

1 2 3 4

Flown: 100% (4/4)
 Green: 50% (2/4)
 Yellow: 50% (2/4)
 Red: 0% (0/4)

D00|N10C (Nominal Runway at KBDU - Optech)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Flown: 100% (14/14)
 Green: 0% (0/14)
 Yellow: 0% (0/14)
 Red: 100% (14/14)

D00|O10A (NIS Offset)

1 2 3 4 5

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

D00|R10A (Table Mountain Radiometric Calibration)

1 2 3 4 5

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

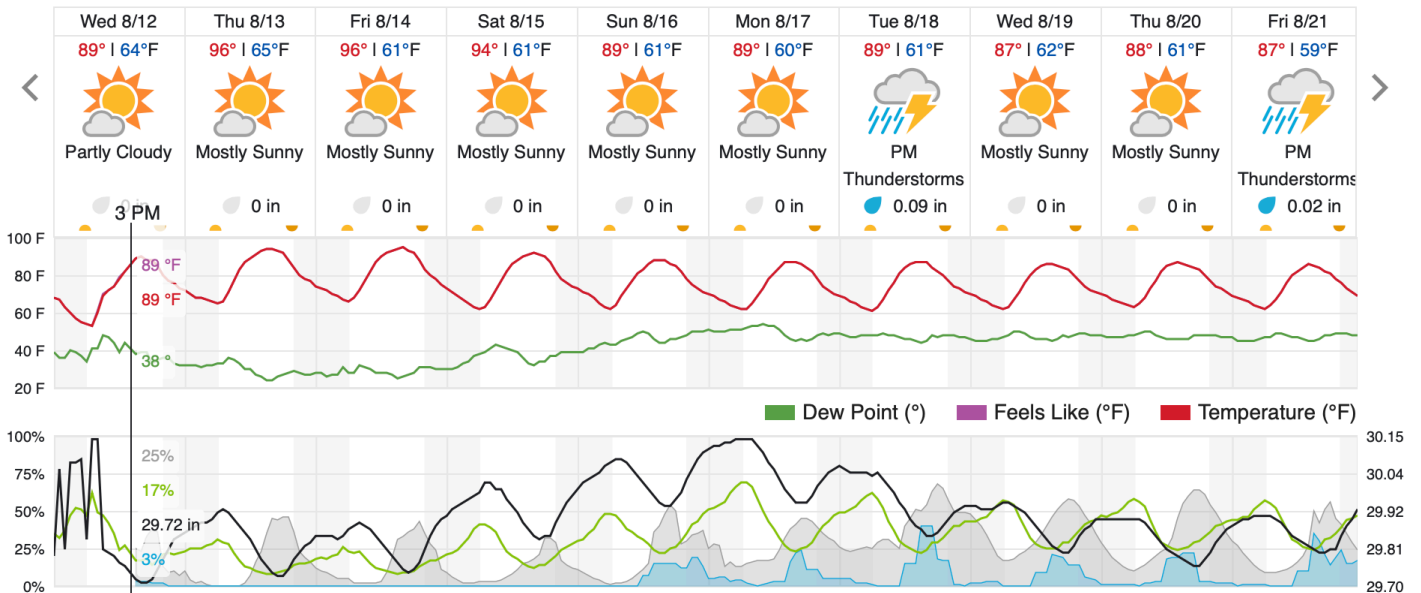
D00|W10B (Wiggle Timing Test)

1 2

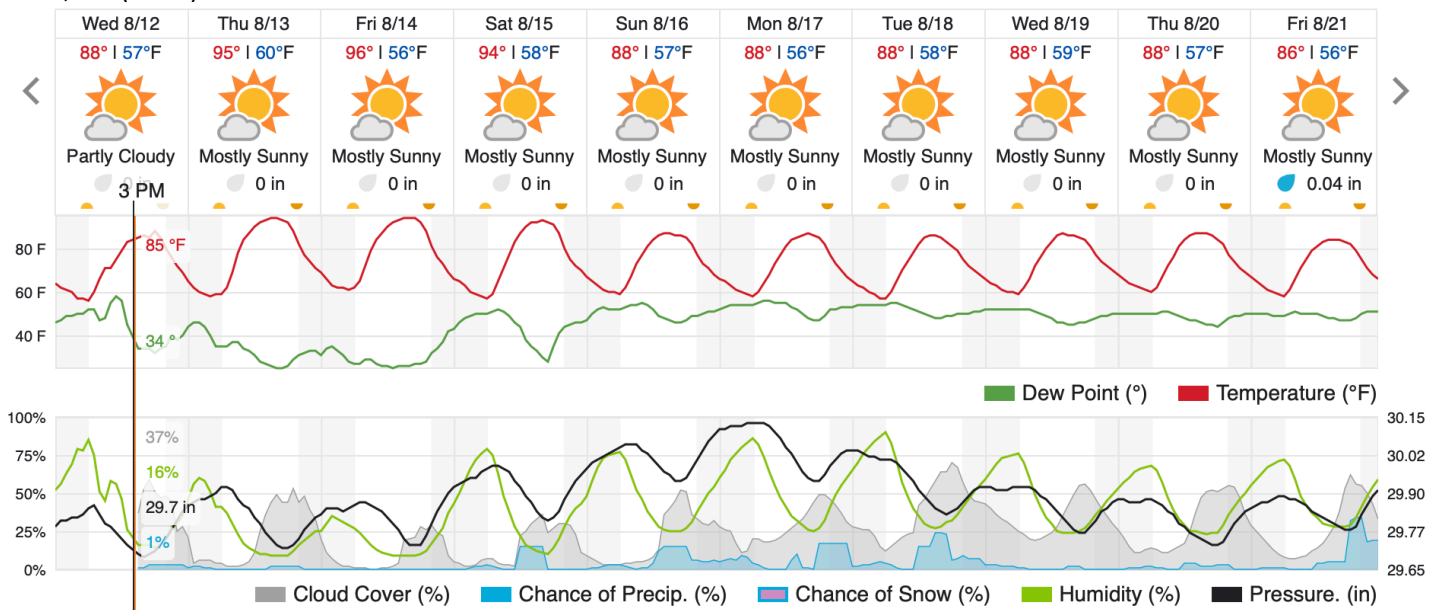
Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 100% (2/2)

Weather Forecast

Boulder, CO



Nunn, CO (CPER)



Flight Collection Plan for 13/14 August 2020

Flyority 1

Collection Area: Satellite Overpass Coincident Collection – Central Plains Ecological Range (only if conditions are “green”)

Flight Plan Name: D10_CPER_C1_P1_v4.pln

On-station Time: 0950 – 1620 Local / 1550 – 2220 UTC

Flyority 2

Collection Area: D10 BRDF Flight – Central Plains Ecological Range (only if conditions are “green”)

Flight Plan Name: D10_F10A_BRDF_v1.pln

On-station Time: 0950 – 1620 Local / 1550 – 2220 UTC

Flyority 3

Collection Area: Radiometric Calibration at Table Mountain

Flight Plan Name: D10_R10A_Radiometric_Calibration_Table_Mountain_v1.pln

On-station Time: 0950 – 1620 Local / 1550 – 2220 UTC

Flyority 4

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10A_NIS_Offset_v1.pln

On-station Time: 0930 – 1650 Local / 1530 – 2250 UTC

Crew members: Robb (Lidar), John (NIS), Ivana (Ground); Bridget, Dave (Tarps)