



Payload 2 Daily Flight Report



Date: 2020-08-18

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: 2

Report Author: Michael Wussow

Lidar Operators: Michael Wussow

Flight Hours: 00:00

Spectrometer Operators: John Adler

Hours until maintenance: 17.12

Pilots: Chad Evans, Stephen Brawdars

Ground Crew: Robb Walker

Summary

Smoke and clouds continued throughout the day preventing good enough conditions for the remaining spectrometer research flights.

Concerns

None

Comments

The dismal outlook of the smoke forecast has pushed the decision to remove Payload 2 from N615AR early. Payload removal is scheduled for this Friday with hopes that Payload 3 can complete the missions.

Pictures



Conditions at CPER this morning

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: 100% (20/20)

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
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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
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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
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Flown: 100% (5/5)

Green: 100% (5/5)

Yellow: 0% (0/2)

Red: 0% (0/2)

D00|R10A (Table Mountain Radiometric Calibration)

1	2	3	4	5
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Flown: 100% (5/5)

Green: 100% (5/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

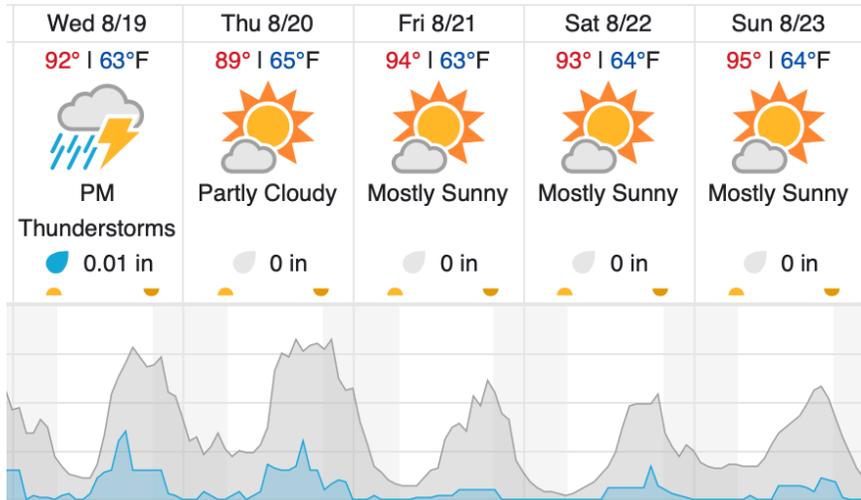
D00|W10B (Wiggle Timing Test)

1 2

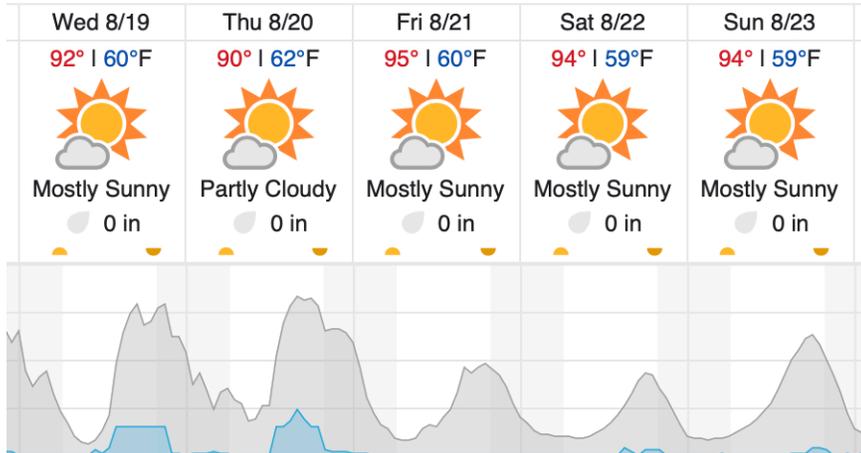
Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 100% (2/2)

Weather Forecast

Boulder, CO



Nunn, CO (CPER)



Cloud Cover (%)	Chance of Precip. (%)
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Flight Collection Plan for 19 August 2020

Flyority 1

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 2

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 3

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

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

Flight Collection Plan for 20 August 2020

Flyority: Same as previous day

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