



Payload 2 Daily Flight Report



Date: 2020-08-17

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: 14

Report Author: Robb Walker

Lidar Operators: Robb Walker

Flight Hours: 00:00

Spectrometer Operators: Ivana Vu

Hours until maintenance: 17.12

Pilots: Chad Evans, Stephen Brawders

Ground Crew: Michael Wussow

Summary

Conditions for CPER Satellite Coincident and BRDF flights still not optimal as smoke and clouds dominated the skies over front range. No flights conducted today.

Concerns

None

Comments

No improvement on fire containment status at Pine Gulch, Grizzly Creek, Cameron Peak or Williams Fork fire.

Pictures



Conditions at CPER just after start of sun angle

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)

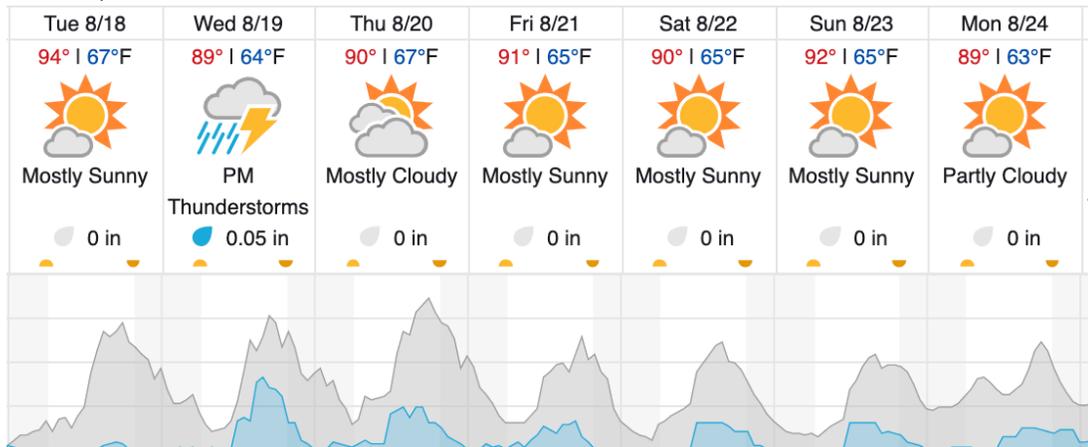
D00|W10B (Wiggle Timing Test)

1 2

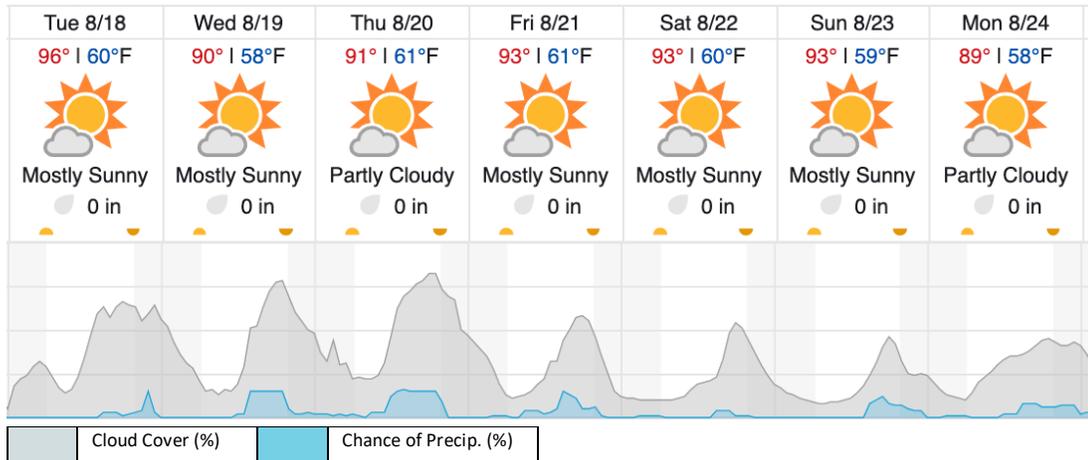
Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 100% (2/2)

Weather Forecast

Boulder, CO



Nunn, CO (CPER)



Flight Collection Plan for 18 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: Mike (Lidar), John (NIS), Robb (Ground); Bridget, Dave (Tarps)

Flight Collection Plan for 19 August 2020

Flyority: Same as previous day

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