



Payload 2 Daily Flight Report



Date: 2020-08-10

Flight Campaign ID: P2C1

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

Domain: 00 (Training & Calibration)

Sites Flown: O10A (NIS Offset)

Days left in Domain: 21

Report Author: Ivana Vu

Lidar Operators: Ivana Vu

Spectrometer Operators: Michael Wussow

Pilots: Chad Evans, Stephen Brawdars

Ground Crew: John Adler, Robb Walker

Flight Hours: 00:24, 00:19, 00:19

Hours until maintenance: 23.53

GPS Instruments: AOP_KBDU

Summary

Smoke from the Pine Gulch fire once again prevented calibration flights at Table Mountain and CPER. Cloud-free skies and promising forecasts in Boulder prompted crew to attempt the NIS Offset, however, cloud shadows started to develop inside the collection area during the 3rd cycle and the remaining 2 flights were cancelled.

Concerns

The Pine Gulch fire near Grand Junction is 7% contained and smoke continues to be an issue for calibration flights.

Comments

- Landsat 7 satellite will pass over CPER tomorrow
- Robb retrieved GPS01 (WLOU)

Daily Coverage

None (NIS Offset incomplete)

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
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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
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Flown: 100% (2/2)
 Green: 100% (2/2)
 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)

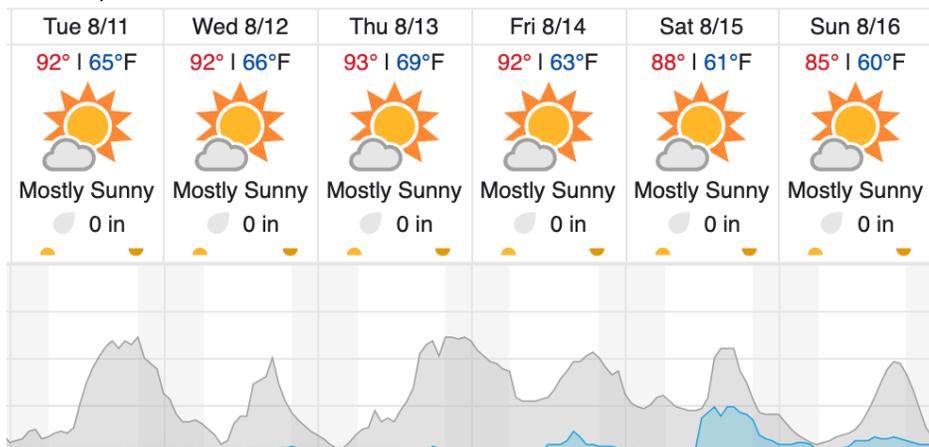
D00|W10B (Wiggle Timing Test)

1	2
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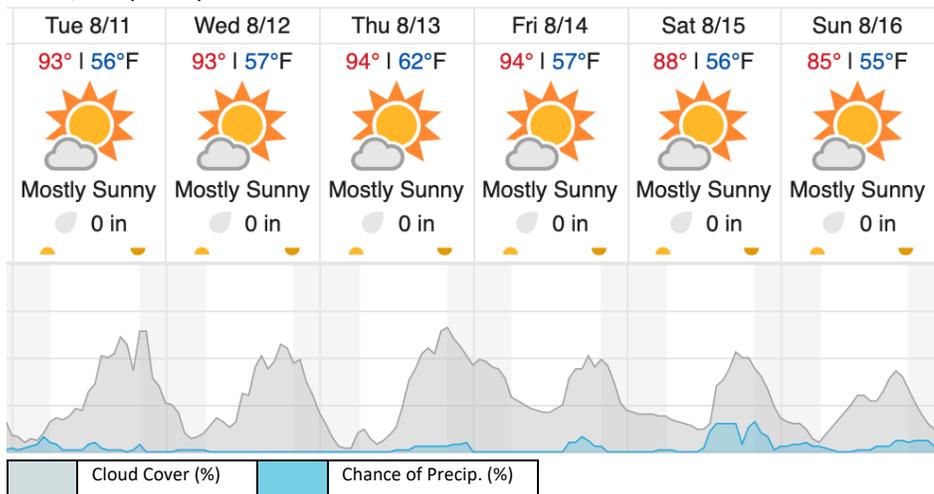
Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 100% (2/2)

Weather Forecast

Boulder, CO



Nunn, CO (CPER)



Flight Collection Plan for 11 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: Mike (Lidar), Ivana (NIS), John (Ground); Bridget, Robb (Tarps)

Flight Collection Plan for 12 August 2020

Flyority: Same as previous day

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