



Payload 2 Daily Flight Report



Date: 2020-08-11

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: 20

Report Author: Michael Wussow

Lidar Operators: Michael Wussow

Spectrometer Operators: Ivana Vu

Pilots: Chad Evans, Stephen Brawders

Ground Crew: John Adler

Flight Hours: 00:00

Hours until maintenance: 23.53

GPS Instruments: None

Summary

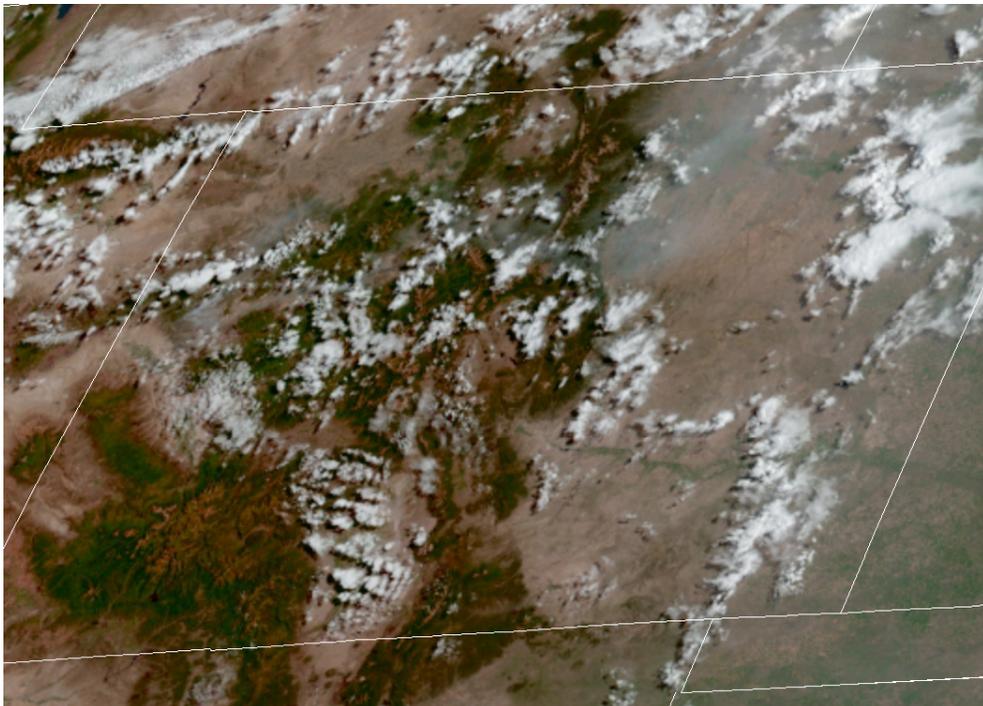
Poor conditions including smoke and clouds at the survey sites prevented any remaining spectrometer sensitive flights from being flown today.

Concerns

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

Comments

John recovered GPS_05 from Nederland



Smoke can be seen under the clouds along the northern front range and into the plains

Daily Coverage

None

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 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|

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 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|

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 |
|---|---|

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 |
|---|---|---|---|---|

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)

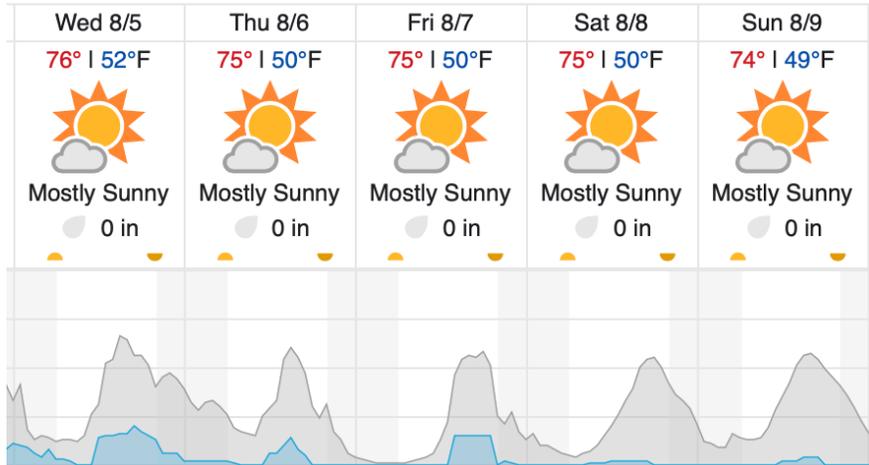
Green: 0% (0/2)

Yellow: 0% (0/2)

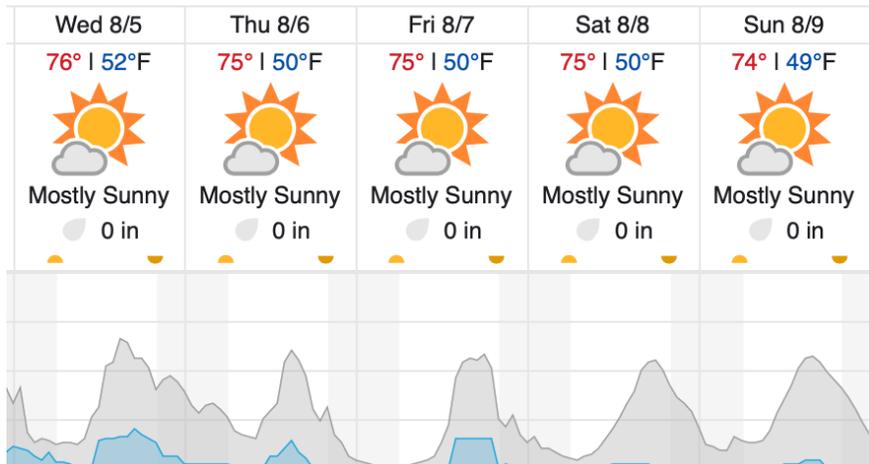
Red: 100% (2/2)

Weather Forecast

Boulder, CO



Nunn, CO (CPER)



Flight Collection Plan for 12 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: John (Lidar), Robb (NIS), Ivana (Ground); Bridget, Dave (Tarps)

Flight Collection Plan for 13 August 2020

Flyority: Same as previous day

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