



Payload 1 Daily Flight Report



Date: 2026-06-07
Flight Campaign ID: P1C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N537AR

Domain: 10 (Central Plains)
Sites Flown: CPER (Central Plains Ecological Range)
Days left in Domain: 0

Report Author: Elissa
Lidar Operators: Elissa
Spectrometer Operators: Alyssa
Pilots: Manning, Troy
Flight Hours: 01:17
Hours until maintenance: 92.53
GPS Instruments: AOP_CPER, AOP_KBDU

Summary

In order to capitalize on clear morning conditions, we took off slightly early and “greened-up” six lines at CPER that had previously been collected in yellow. One line was collected just prior to the start of our 35deg solar angle window.

Concerns

None.

Comments

- Preparations were made for the departure to D09 tomorrow morning
- QAs are still running for the last two flights and may have to be resumed once in Bismarck
- Elissa rotates out today; John meets the plane in Bismarck tomorrow

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 35 degrees: (*)

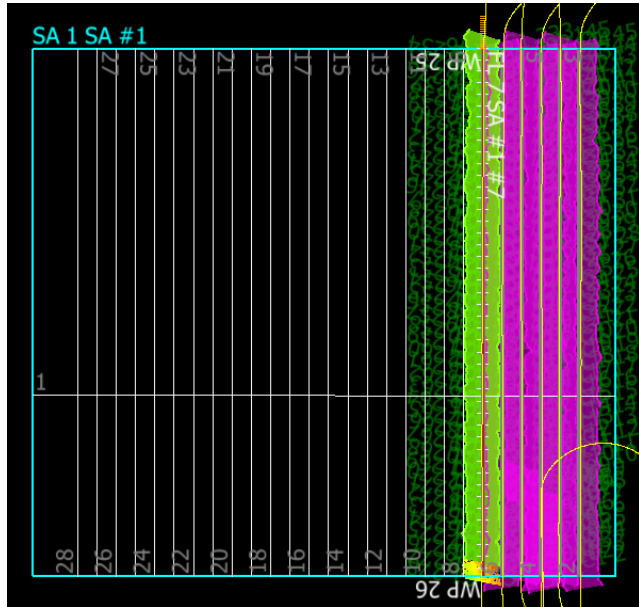
D10|CPER

Line #	2	3	4	5	6	7
Lidar	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓
Cloud Cover						

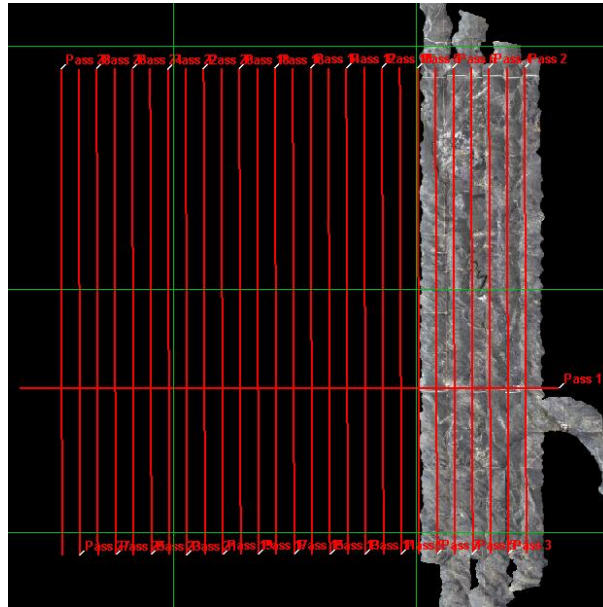
Total number of lines flown: 6

Flight Screenshots

Lidar



NIS



Cumulative Domain Coverage

D10 | CPER (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: 100% (28/28)

Green: 96% (27/28)

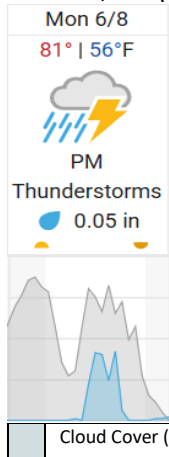
Yellow: 4% (1/28)

Red: 0% (0/28)

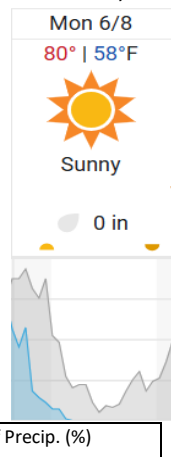
* Flown before 35deg solar angle

Weather Forecast

Boulder, CO (KBDU)



Bismarck, ND (KBIS)



source: wunderground.com

Flight Collection Plan for 8 June 2026

Transit to D09 Bismarck, ND

Crew: Alyssa (Transit), Matt/John (Ground)