



Payload 1 Daily Flight Report



Date: 2026-06-05
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: 2

Report Author: Elissa
Lidar Operators: Elissa
Spectrometer Operators: Alyssa
Pilots: Troy, Tim

Flight Hours: 01:16
Hours until maintenance: 93.82
GPS Instruments: AOP_CPER, AOP_KBDU

Summary

With indications that clouds were clearing out of the area, we headed back to CPER in hopes of completing the site in green. However, a lonely cirrostratus persisted over the site, casting light shadow and putting us in yellow conditions.

Concerns

None.

Comments

None.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

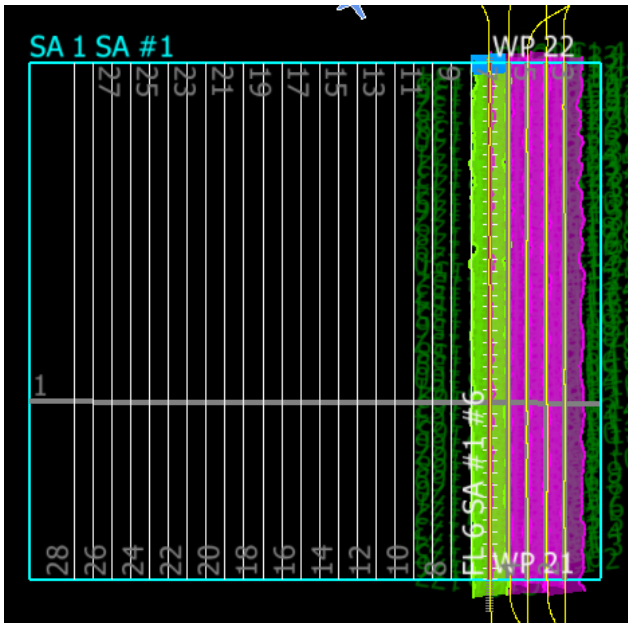
D10|CPER

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

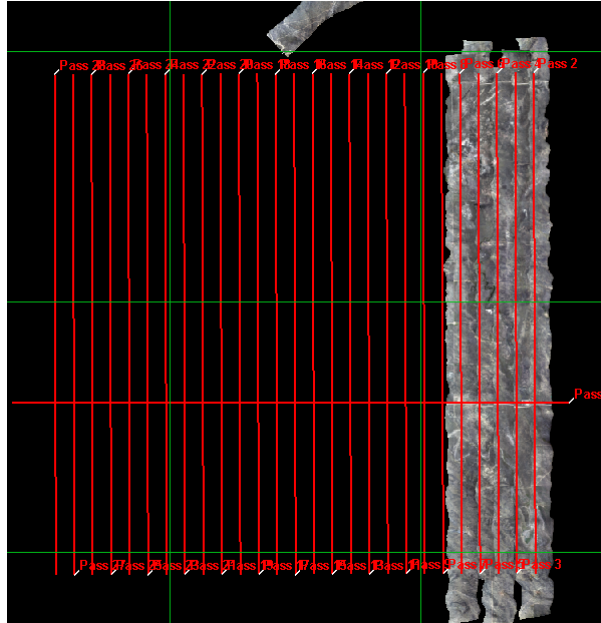
Total number of lines flown: 5

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: 75% (21/28)

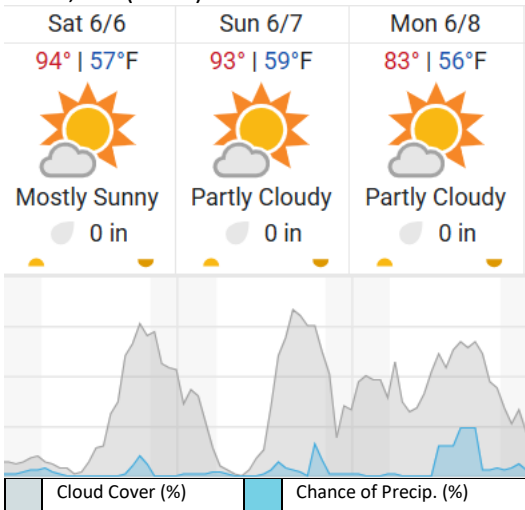
Yellow: 25% (7/28)

Red: 0% (0/28)

* Flown within 35deg solar angle

Weather Forecast

Nunn, CO (CPER)



source: wunderground.com

Flight Collection Plan for 6 June 2026

Flyority 1

Site: Central Plains Ecological Range (CPER) *lines 2-6, only if green*

Flight Plan Name: D10_CPER_C1_P1_v9_PRM.xml

Solar Angle Time: 08:50L/14:50UTC

Crew: Alyssa (Lidar), Elissa (NIS)