



Payload 1 Daily Flight Report

**Date:** 2026-06-04  
**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:** 3

**Report Author:** Alyssa  
**Lidar Operators:** Alyssa      **Flight Hours:** 02:56  
**Spectrometer Operators:** Elissa      **Hours until maintenance:** 95.08  
**Pilots:** Troy, Tim      **GPS Instruments:** AOP\_CPER, AOP\_KBDU

**Summary**

Clear morning made for green collection of most of the CPER lines before rapid cloud development midday.

**Concerns**

None.

**Comments**

Faulty chiller swapped today ahead of deployment to hotter domains.

**Daily Coverage**

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

D10|CPER

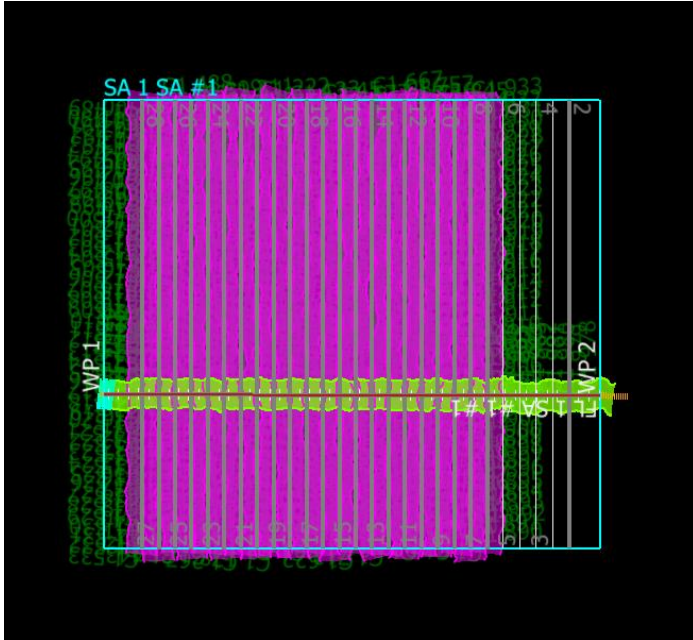
Line #	1	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																					

Line #	26	27	28
Lidar	✓	✓	✓
Spectrometer	✓	✓	✓
Camera	✓	✓	✓
Cloud Cover			

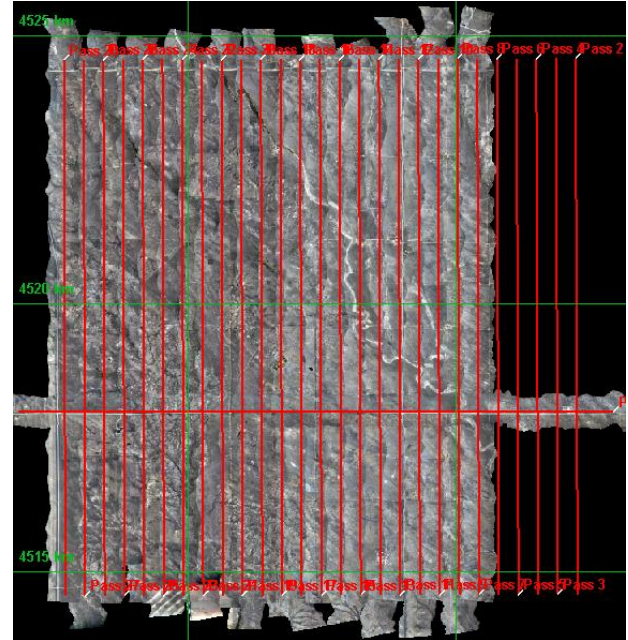
Total number of lines flown: 23

## Flight Screenshots

Lidar



NIS



## Pictures

Nice morning of collection at CPER



## 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: 82% (23/28)

Green: 75% (21/28)

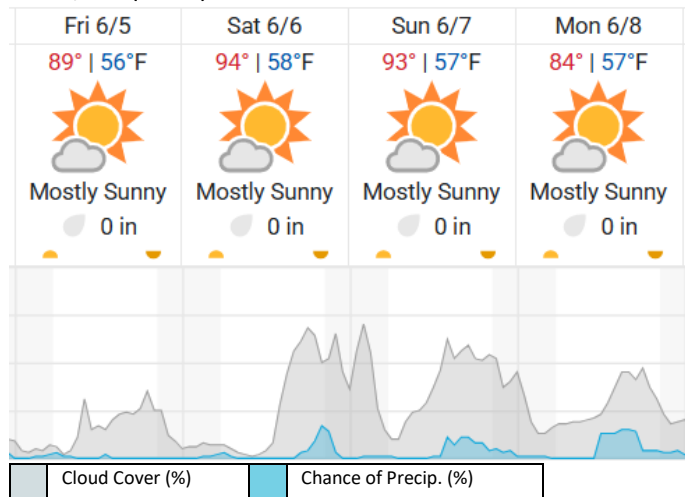
Yellow: 7% (2/28)

Red: 0% (0/28)

\* Flown within 35deg solar angle

## Weather Forecast

Nunn, CO (CPER)



source: wunderground.com

## Flight Collection Plan for 5 June 2026

### Flyority 1

Site: Central Plains Ecological Range (CPER) *lines 2-6*

Flight Plan Name: D10\_CPER\_C1\_P1\_v9\_PRM.xml

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

Crew: Elissa (Lidar), Alyssa (NIS)