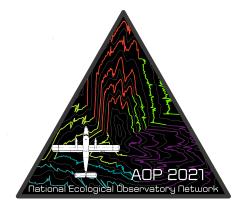


# Payload 3 Daily Flight Report



Date: 2021-05-31

Flight Campaign ID: P3C1

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

Aircraft: N615AR

Domain: 10 (Central Plains)

Sites Flown: None Days left in Domain: 8

Report Author: Cameron Chapman

**Lidar Operators**: Cameron Chapman Flight Hours: 00:00

Spectrometer Operators: Mitch Haynes Hours until maintenance: 121.52

Pilots: Mark Solper, Vibeke Gaard

## **Summary**

The Spectrometer focal plane continued warming until around 7:00am MDT when it reached ~276K. Cooling started shortly thereafter. At the given cooling rate, we suspect the payload will reach nominal temperature sometime tomorrow afternoon. Widespread rain showers across the region would have prevented any potential flights.

#### **Concerns**

None

## **Comments**

None

### **Cumulative Domain Coverage**

#### D10 | ARIK (Arikaree River )

,	20   Tank   Tankaree Taver																		
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	29	30	31	32	33	34	35					

Flown: 0% (0/35) Green: 0% (0/35) Yellow: 0% (0/35) Red: 0% (0/35)

# 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: 39% (11/28) Green: 36% (10/28) Yellow: 4% (1/28) Red: 0% (0/28)

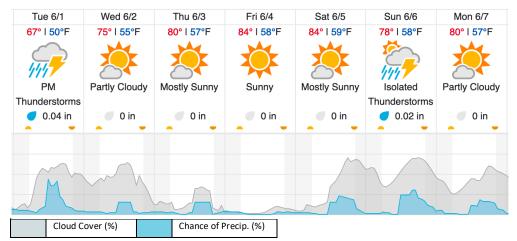
#### D10 STER (Sterling Agricultural Site)

Dis   Sterning / (Sterning / (																			
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															

Flown: 52% (13/25) Green: 52% (13/25) Yellow: 0% (0/25) Red: 0% (0/25)

## **Weather Forecast**

Boulder, CO



source: wunderground.com

## Flight Collection Plan for June 1 2021

Continue to Cool payload Then:

Flyority 1

Collection Area: Central Plains Ecological Range (CPER)

Flight Plan Name: D10 CPER C1 P1 v6 Q780

On-station Time: 1500 UTC / 0900 L

Flyority 2

Collection Area: Sterling Agricultural Site (STER) Flight Plan Name: D10 STER R1 P1 v3 Q780

On-station Time: 1450 UTC / 0850 L

Flyority 3

Collection Area: Arikaree River (ARIK)

Flight Plan Name: D10\_ARIK\_A1\_P2\_ v3\_Q780

On-station Time: 1510 UTC / 0910 L

Flyority 4

Collection Area: NIS Offset Flight

Flight Plan Name: D10\_O10B\_NIS\_Offset\_v2\_Q780

On-station Time: 1510 UTC / 0910 L

Flight Crew: Matt, Abe, Nick