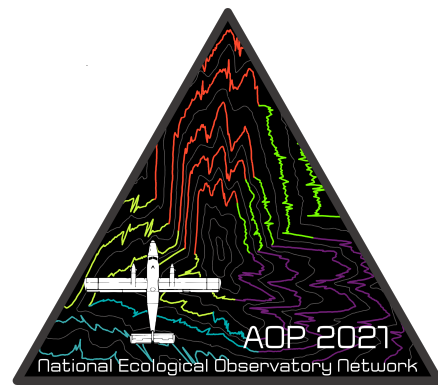




Payload 3 Daily Flight Report



Date: 2021-05-29

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: 10

Report Author: Cameron Chapman

Lidar Operators: Cameron Chapman

Spectrometer Operators: Mitch Haynes

Pilots: Stephen Brawders, Mark Solper

Flight Hours: 00:00

Hours until maintenance: 121.52

Summary

Cloudy skies and rain showers throughout the area eliminated any potential data collection opportunity. No flights were attempted. The payload was partially shutdown today to allow the focal plane to warm to 276K. we expect the warming – pumping- cooling process will take approximately 4 days to complete. This will reduce the effects of the blue quantum efficiency shift in the focal plane array.

Concerns

- None

Comments

- The flight crew will continue to monitor the payload status and begin pumping when the payload reaches 265K
- Pilot Stephen B departed this afternoon and will be replaced by pilot Vibeke Gaard
- Normal flight operations is expected to resume 6/1/21

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots

- None

Pictures

- None

Cumulative Domain Coverage

D10|ARIK (Arikaree River)

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)

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															

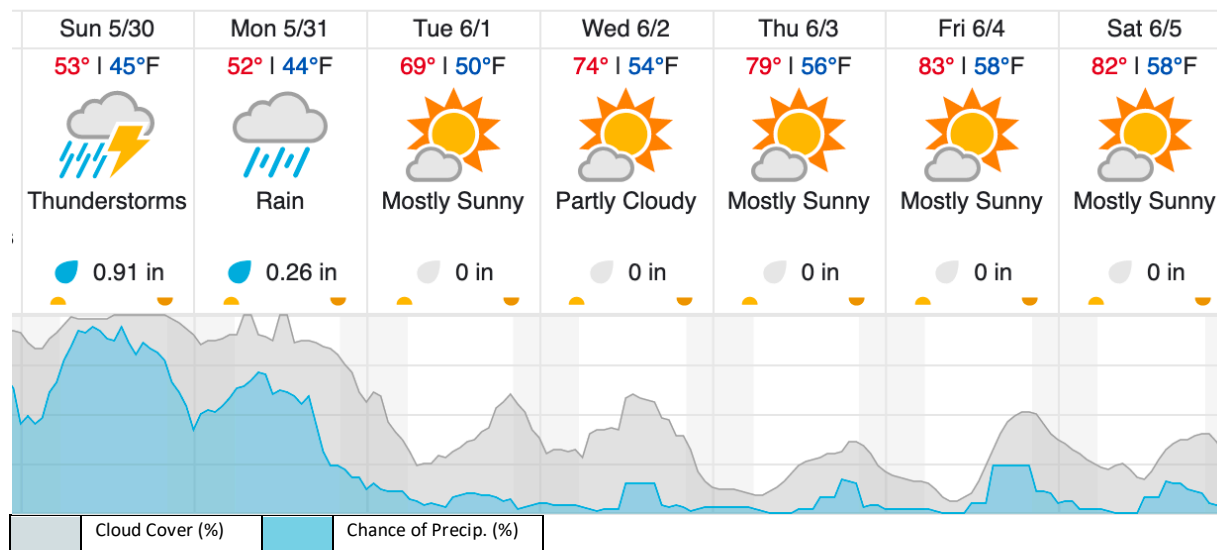
Flown: 52% (13/25)

Green: 52% (13/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

Weather Forecast



source: wunderground.com

Flight Collection Plan for May 30 2021

Continue to warm payload

Crew: Mitch / Cam