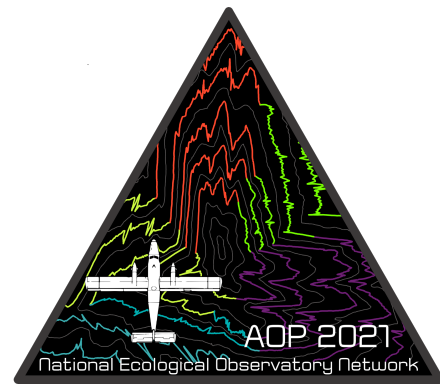




Payload 3 Daily Flight Report



Date: 2021-05-30
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: 9

Report Author: Mitch Haynes
Lidar Operators: Mitch Haynes **Flight Hours:** 00:00
Spectrometer Operators: Cameron Chapman **Hours until maintenance:** 121.52
Pilots: Mark Solper, Vibeke Gaard

Summary

Spectrometer focal plane continued warming till reaching 265K, upon which vacuum pumping of system commenced. System will likely start cooling again at some point tomorrow once focal plane temperature has risen above 276K and chamber pressure has reached at least $5e-4$ Torr. Weather wise, no potential flights have been missed from warming the system so far as the region was inundated with rain most of the day.

Concerns

None

Comments

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)

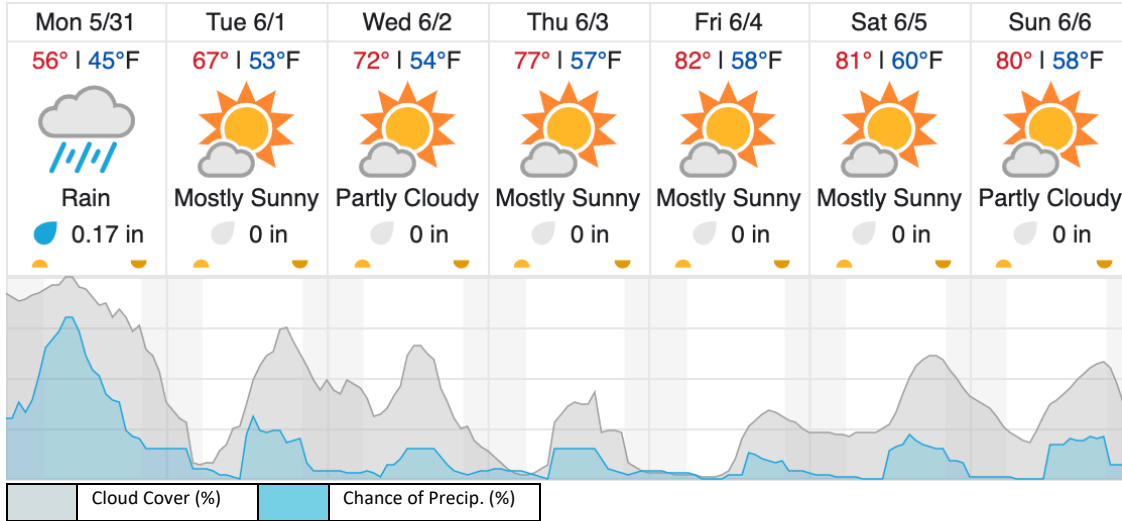
D10|STER (Sterling Agricultural Site)

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 31 2021

Continue to warm payload
 Crew: Cam, Mitch

Flight Collection Plan for June 1 2021

Only if system is within spec

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