



Payload 3 Daily Flight Report



Date: 2020-06-22

Flight Campaign ID: P3C1

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

Domain: 10 (Central Plains), 13 (Southern Rockies & Colorado Plateau)

Sites Flown: None

Days left in Domain: 13

Report Author: Mitch Haynes

Lidar Operators: Mitch Haynes

Spectrometer Operators: Elissa Barris **Hours until maintenance:** 97.83

Pilots: Justin Eddington, Lane Taylor

Ground Crew: Cameron Chapman

Summary

A lot of cumulus clouds building over all sites today prevented a flight but allowed the crew to troubleshoot some GPS issues and plan logistics for deploying to D06.

Concerns

None

Comments

- Payload 3 will transit to D06 on July 6th. July 5th will be the last day of flights in D10/13 (with Payload 3).
- Was able to remotely pull GPS data from unit #5 for the last ARIK flight. Poor connectivity is still being blamed for the failed auto-upload

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: 91% (32/35)

Green: 26% (9/35)

Yellow: 46% (16/35)

Red: 20% (7/35)

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: 36% (10/28)

Green: 0% (0/28)

Yellow: 36% (10/28)

Red: 0% (0/28)

D10|RMNP_P1 (Rocky Mountain National Park Priority 1)

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	36	37	38	39	

Flown: 0% (0/39)
 Green: 0% (0/39)
 Yellow: 0% (0/39)
 Red: 0% (0/39)

D10 | RMNP_P2 (Rocky Mountain National Park Priority 2)

40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
60	61	62	63	64																

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

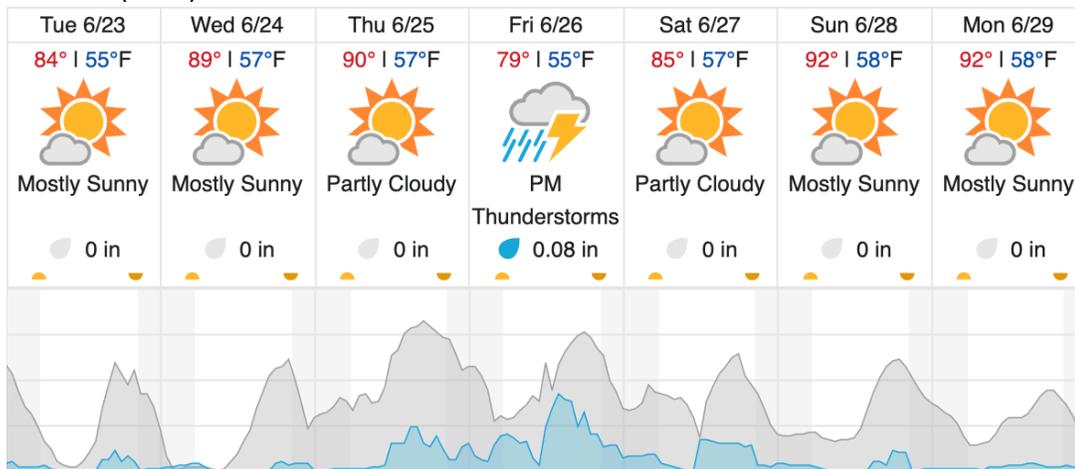
D13 | MOAB (Moab)

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												

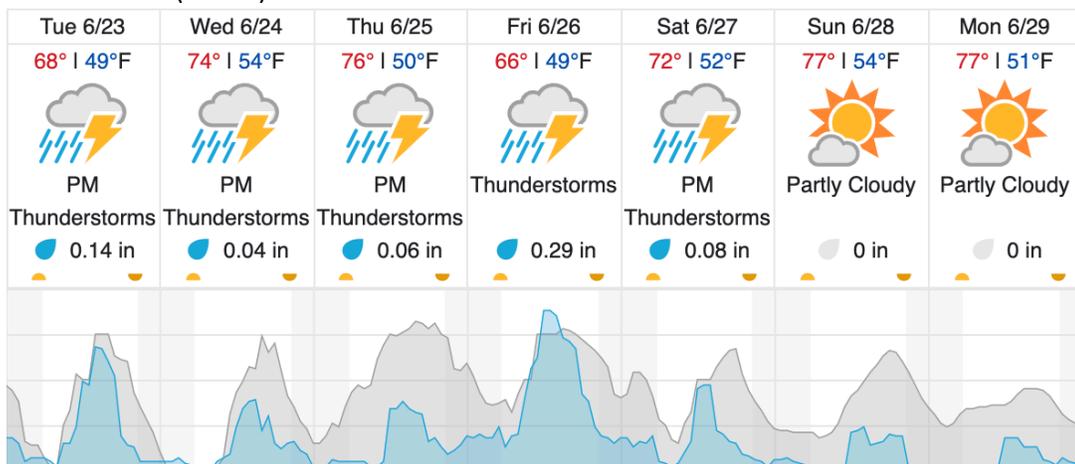
Flown: 0% (0/29)
 Green: 0% (0/29)
 Yellow: 0% (0/29)
 Red: 0% (0/29)

Weather Forecast

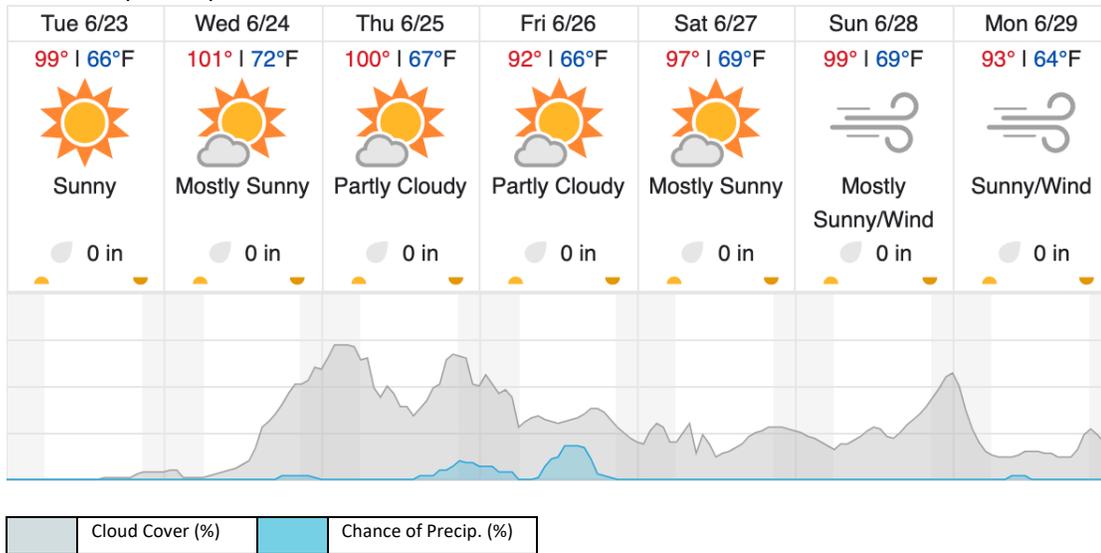
Nunn CO (CPER)



Estes Park CO (RMNP)



Moab UT (MOAB)



Flight Collection Plan for 22 June 2020

Flyority 1

Collection Area: Central Plains Ecological Range (CPER)

Flight Plan Name: D10_CPER_C1_P1_v6_Q780

On-Station Time: 15:20 UTC / 09:20L

Flyority 2

Collection Area: Rocky Mountain National Park (RMNP)

Flight Plan Name: D10_RMNP_R2_P1_v2_Q780

On-Station Time: 15:20 UTC / 09:20L

Flyority 3

Collection Area: Moab (MOAB) – Moab, UT

Flight Plan Name: D13_MOAB_R1_P1_v3_Q780

On-Station Time: 15:30 UTC / 09:30L

Flight Crew: Mitch Haynes (Lidar), Elissa Barris (NIS), Cameron Chapman (Ground)

Flight Collection Plan for 23 June 2020

Flyorities: Same as previous day

Flight Crew: Elissa Barris (Lidar), Cameron Chapman (NIS), Mitch Haynes (Ground)