



## Payload 3 Daily Flight Report



**Date:** 2020-06-12

**Flight Campaign ID:** P3C1

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

**Domain:** 10,13

**Sites Flown:** None

**Days left in Domain:**

**Report Author:** Mitch Haynes

**Lidar Operators:** Mitch Haynes

**Spectrometer Operators:** Cameron Chapman

**Pilots:** Justin Eddington, Lane Taylor

**Ground Crew:** Elissa Barris

**Flight Hours:** 00:00

**Hours until maintenance:** 113.00

**GPS Instruments:** n/a

### Summary

Calibration flights are now complete with the successful extraction and QAQC of yesterday's boresight collect. Today marks the official start of D10/13 collects. The crew headed north via truck to D10's Central Plains Experimental Range site to investigate our incommunicado permanent GPS station installed at the CPER hut. Upon arrival, the unit was found to be intact and logging, with the connectivity error being that of the hut. A temporary unit was set up near the tower as a backup till connectivity issues are resolved.

### Concerns

- NONE!

### Comments

- AOP\_01 was set up at CPER
- Pilot Mike Francis departed today and was replaced by TOIL new hire Lane Taylor. Welcome Lane!
- Cameron and Justin provided Lane with a crash course on NEON Survey Flying in preparation of our first flight.
- After consultation with John Musinsky, Domain Manager Chau Tran, and USDA Scientists at CPER, it has been determined that CPER is now in peak greenness and will be P3's first priority in collection. RMNP will be considered the next priority once it enters peak greenness, followed by MOAB and ARIK. The Sterling Agricultural site was plowed this week and will not be considered for NEON flights at this time.
- A secure location for an Arickaree River GPS Station to be left alone has yet to be found. In order to fly, a temporary unit will need to be deployed the day of.

**Pictures**



Above: We were the unexpected guests when we arrived at the CPER hut to check on our GPS.

**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: 0% (0/28)  
 Green: 0% (0/28)  
 Yellow: 0% (0/28)  
 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)

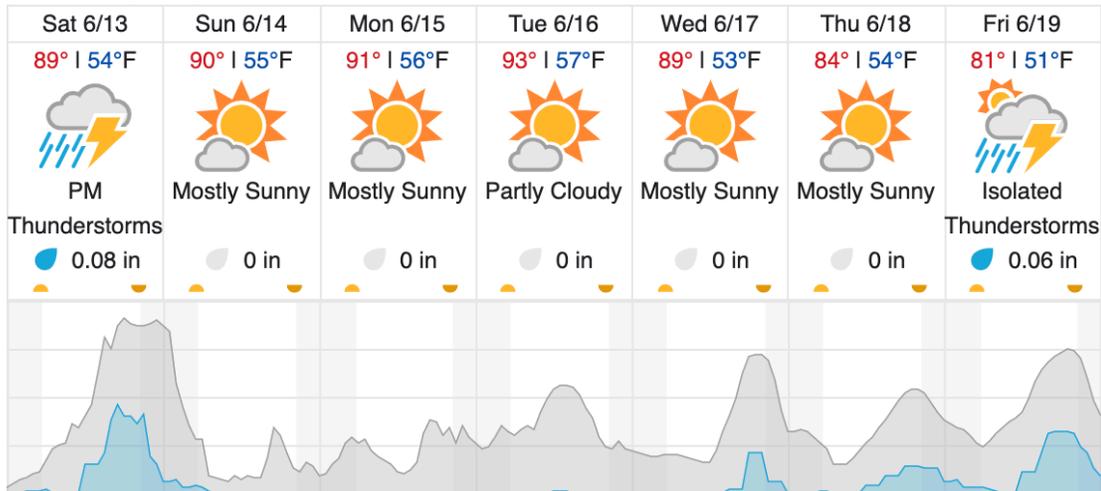
D13 | MOAB (Moab )

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												

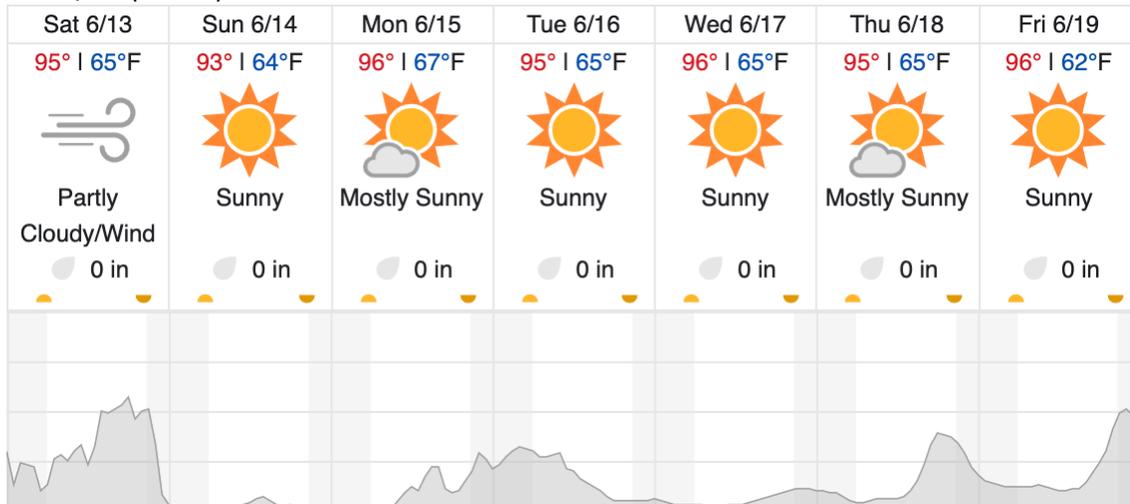
Flown: 0% (0/29)  
 Green: 0% (0/29)  
 Yellow: 0% (0/29)  
 Red: 0% (0/29)

Weather Forecast

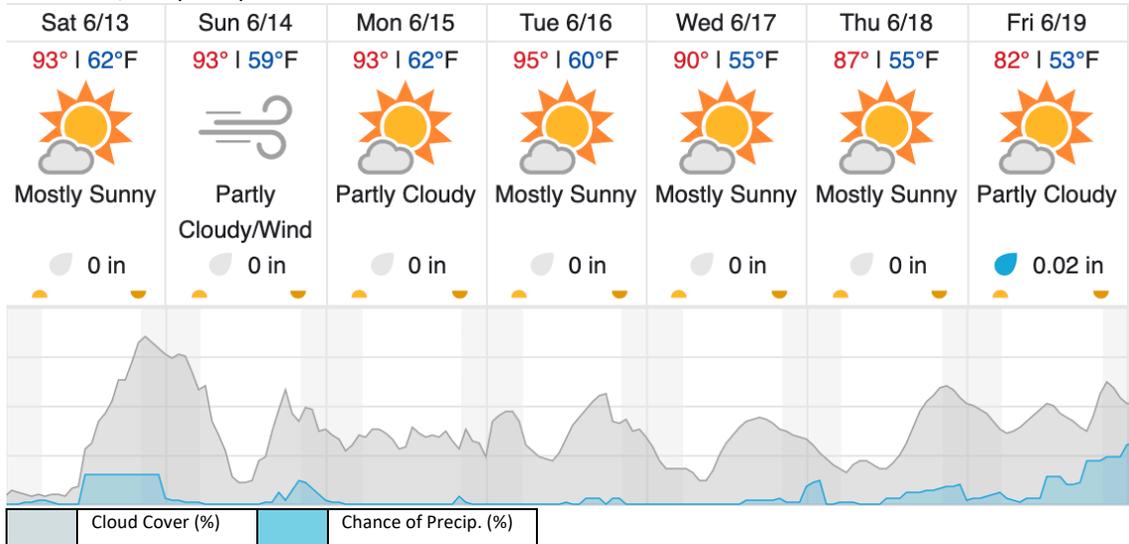
Nunn, CO (CPER)



Moab, UT (MOAB)



Arickaree, CO (ARIK)



**Flight Collection Plan for 13 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: Moab (MOAB) – Moab, UT

Flight Plan Name: D13\_MOAB\_R1\_P1\_v3\_Q780

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

Flyority 3

Collection Area: Arikaree River (ARIK) – Arickaree, CO

Flight Plan Name: D10\_ARIK\_A1\_P2\_v3\_Q780

On-Station Time: 15:10 UTC / 09:10L

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

**Flight Collection Plan for 14 June 2020**

Flyorities: Same as previous day

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