



Payload 3 Daily Flight Report



Date: 2020-06-18

Flight Campaign ID: P3C1

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

Domain: 10 (Central Plains)

Sites Flown: None

Days left in Domain: 13

Report Author: Cameron Chapman

Lidar Operators: Cameron Chapman

Spectrometer Operators: Mitch Haynes

Pilots: Lane Taylor, Justin Eddington

Ground Crew: Elissa Barris

Flight Hours: 00:00

Hours until maintenance: 104.65

GPS Instruments: None

Summary

A cold front moved through the area bringing a pleasant break from the warm temperatures, unfortunately cirrus and cumulus clouds lingered in Northern and Eastern Colorado. D13's MOAB was considered however forecasted weather conditions across the Rockies precluded it from survey flights. No flights were attempted.

Concerns

- POS issues during payload calibration flights will likely cause a re-fly to multiple calibration flight plans.
- Arizona's 7th largest wild fire located Northeast of Phoenix is bringing smoke into the area. As of this morning the fire was only 5% contained.

Comments

- Elissa will deploy GPS 06 to RMNP

Daily Coverage

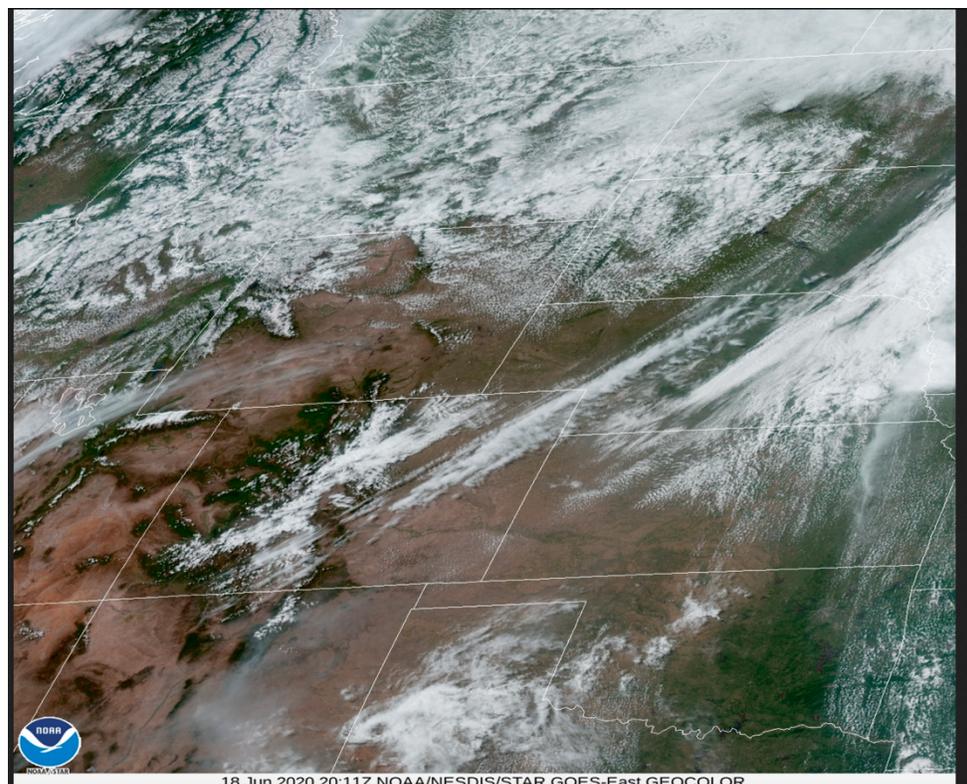
- None

Estimated Cloud Cover Key

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

Flight Screenshots

- None.



GOES-East
GeoColor True daytime
18 June 2020 20:11 UTC

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: 51% (18/35)

Green: 0% (0/35)

Yellow: 40% (14/35)

Red: 11% (4/35)

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)

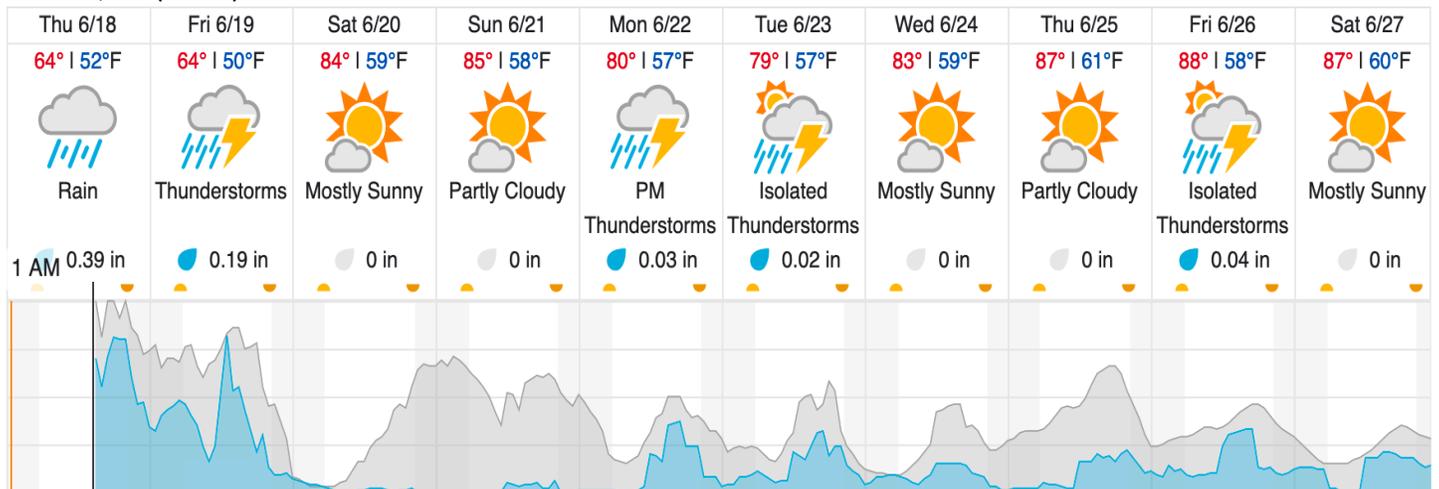
Green: 0% (0/25)

Yellow: 0% (0/25)

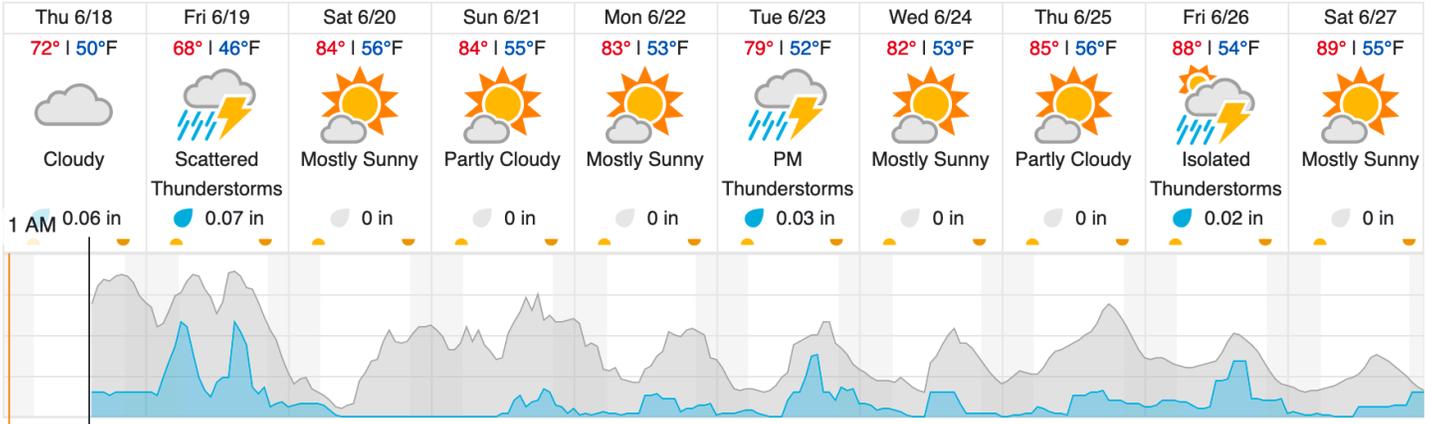
Red: 0% (0/25)

Weather Forecast

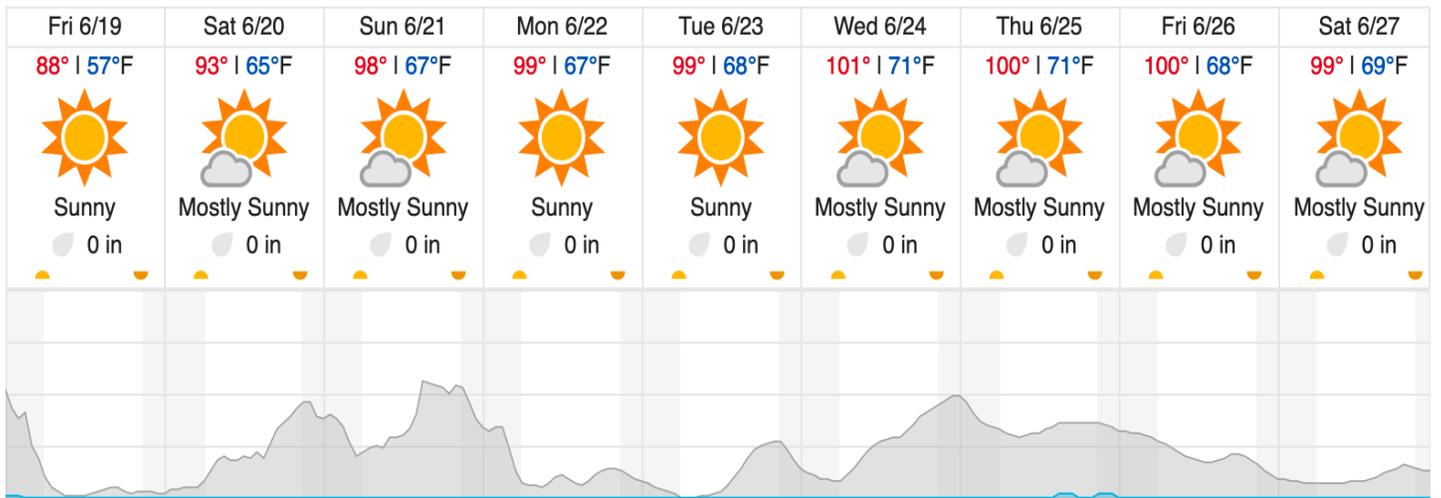
Boulder, CO (KBDU)



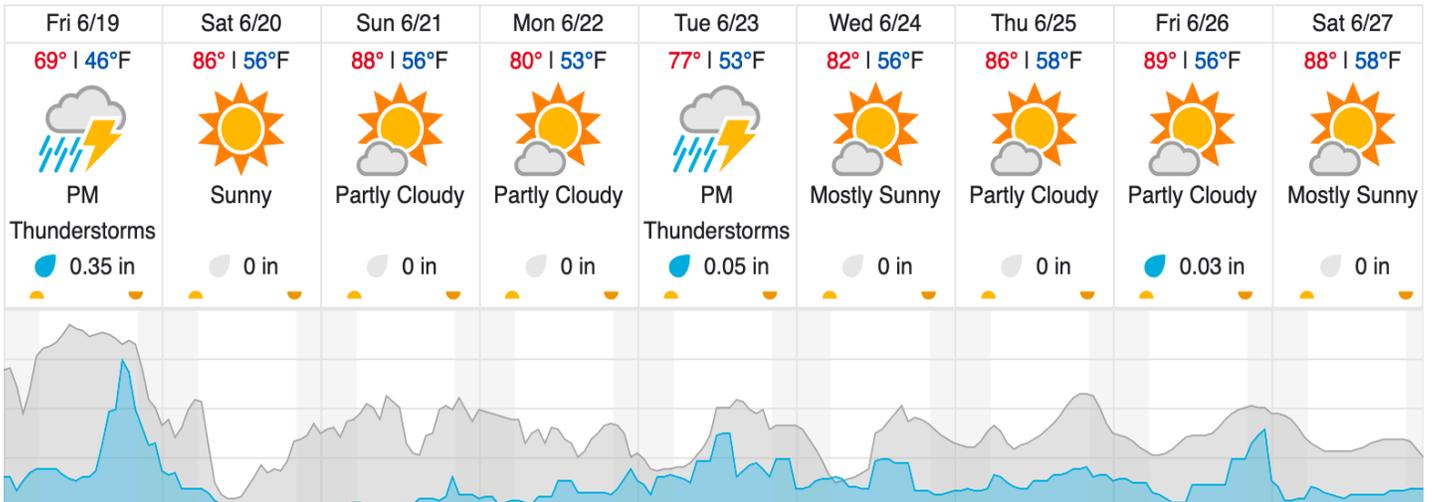
Nunn, CO (CPER)



Moab, UT (MOAB)



Arickaree, Co (ARIK)



Flight Collection Plan for 19 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: Mitch Haynes (Lidar), Elissa Barris (NIS), Cameron Chapman (Ground)

Flight Collection Plan for 20 June 2020

Flyorities: Same as previous day

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