



Payload 3 Daily Flight Report



Date: 2020-06-20
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 10 (Central Plains)
Sites Flown: ARIK (Arikaree River)
Days left in Domain: 15

Report Author: Elissa Barris
Lidar Operators: Elissa Barris
Spectrometer Operators: Cameron Chapman **Hours until maintenance:** 100.50
Pilots: Justin Eddington, Lane Taylor **GPS Instruments:** 05 - , AOP_KBDU
Ground Crew: Mitch Haynes

Summary

Relatively cloud free conditions in Eastern Colorado this morning permitted a return to the Arikaree aquatic site. Collection of the site was completed, though conditions deteriorated to yellow and then red by late morning.

Concerns

None

Comments

- Initial coverage of ARIK completed
- GPS 03 setup last night at RMNP

Daily Coverage

Estimated Cloud Cover Key

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

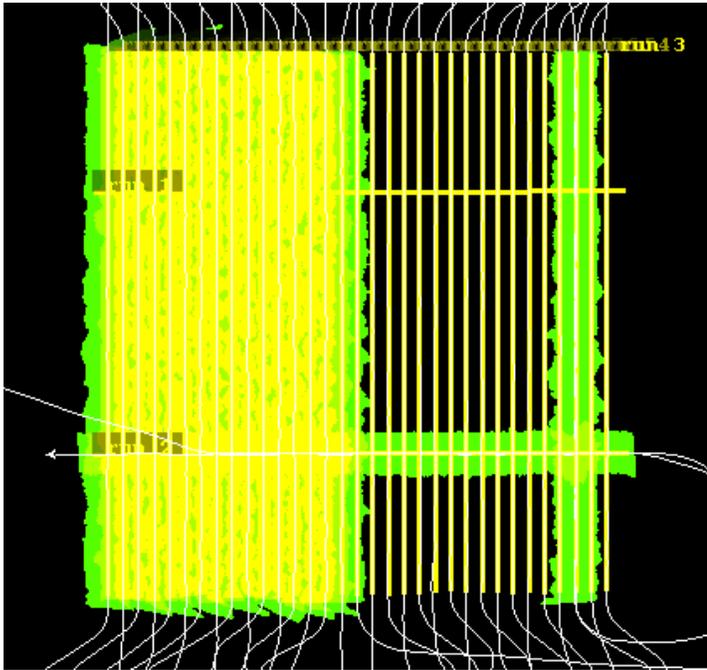
D10|ARIK

Line #	5	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																	

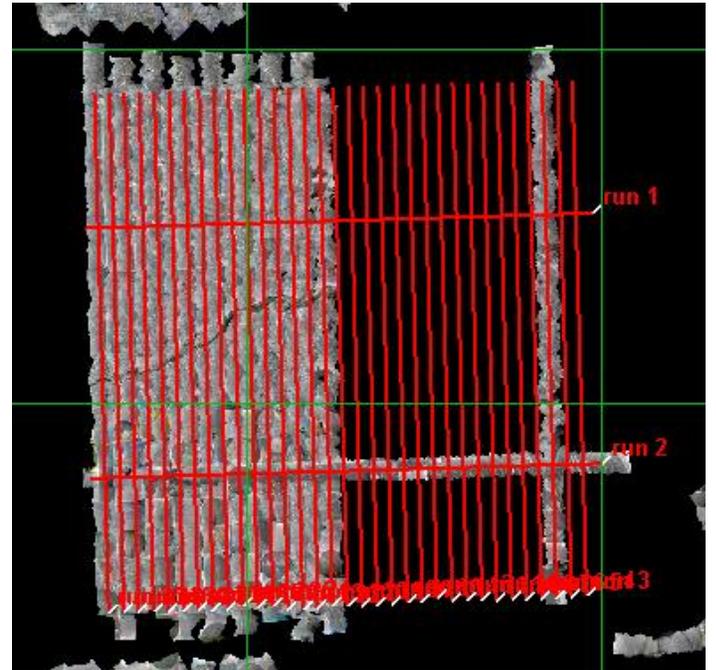
Total number of lines flown: 17

Flight Screenshots

Lidar



NIS



Pictures



Arikaree River

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)

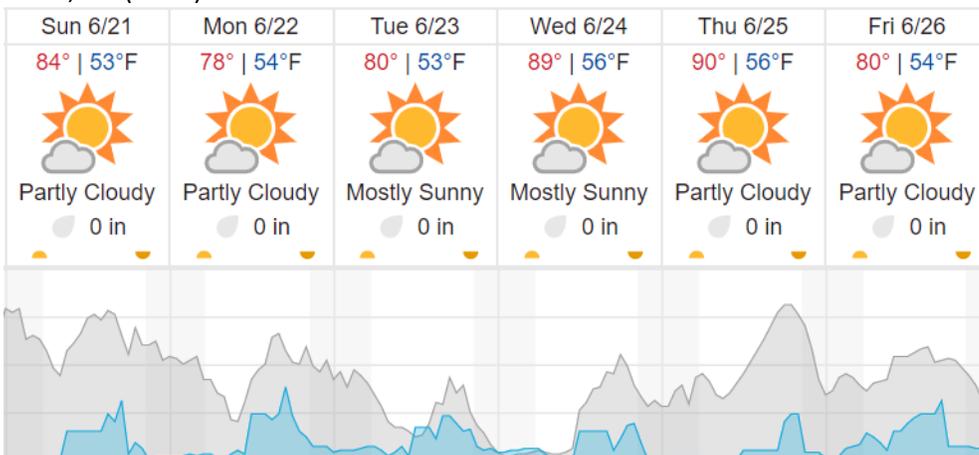
Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

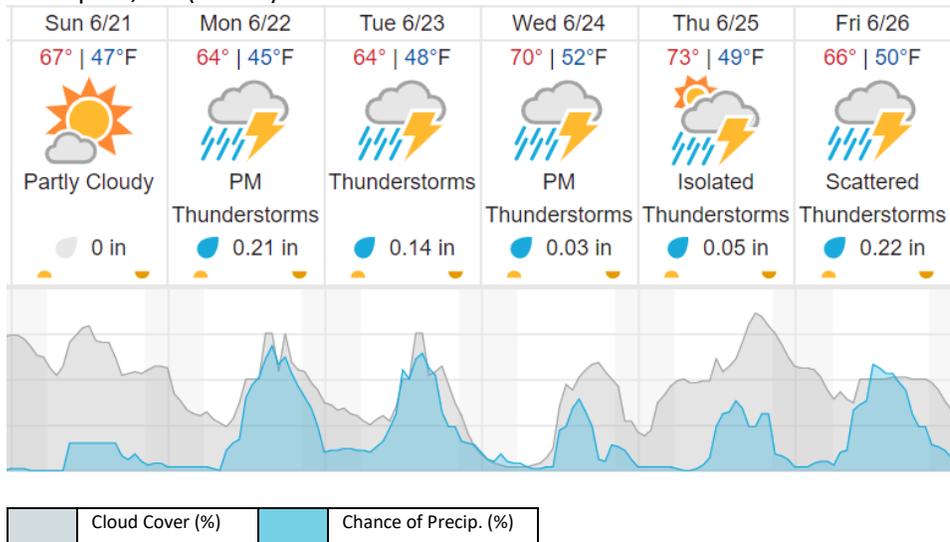
Weather Forecast

Nunn, CO (CPER)

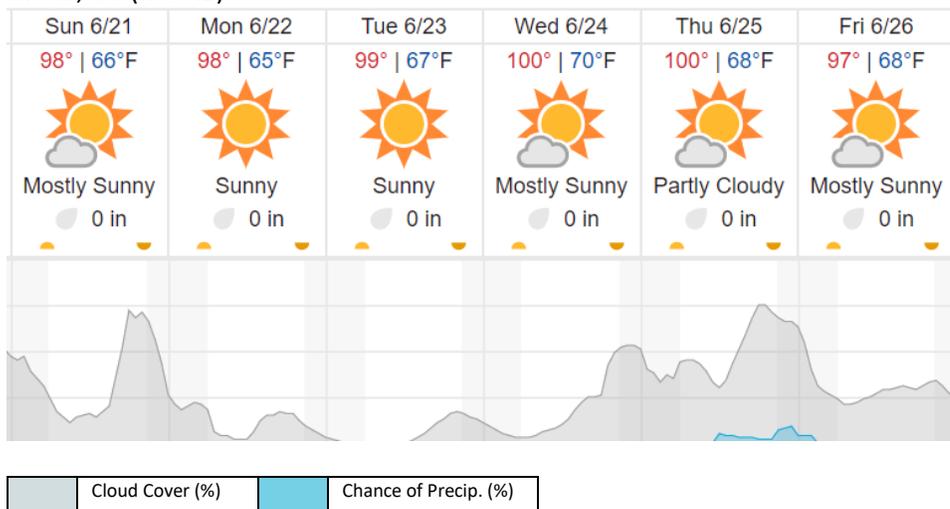


	Cloud Cover (%)		Chance of Precip. (%)
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Allenspark, CO (RMNP)



Moab, UT (MOAB)



Flight Collection Plan for 21 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

Flyority 4

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), Elissa Barris (Ground)

Flight Collection Plan for 22 June 2020

Flyorities: Same as previous day

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