



Payload 3 Daily Flight Report



Date: 2022-07-09

Flight Campaign ID: P3C1

Airport, FBO ID, City: Boulder, Colorado

Aircraft: N70AR

Domain: 10 (Central Plains)

Sites Flown: ARIK

Days left in Domain: 18

Report Author: John

Lidar Operators: John

Spectrometer Operators: Matt

Pilots: Magnus , Brent

Flight Hours: 2.7

Hours until maintenance: 97.3

GPS Instruments: GPS 3, AOP Hangar

Summary: The crew collected six lines of Green data before the clouds began to form, precluding further collections.

Concerns: None

Comments: None

Daily Coverage

Estimated Cloud Cover Key

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

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					

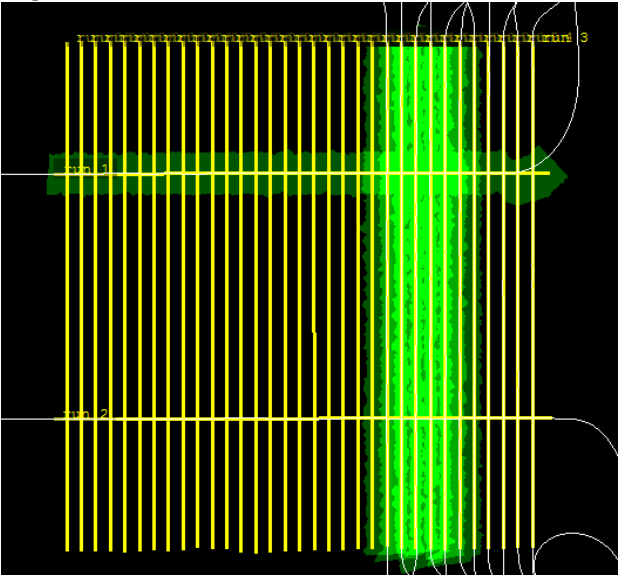
Flown: 17% (6/35)

Green: 17% (6/35)

Yellow: 0% (0/35)

Red: 0% (0/35)

Flight Screenshots



Lidar Screenshot

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: 17% (6/35)
Green: 17% (6/35)
Yellow: 0% (0/35)
Red: 0% (0/35)

D10|CTWD_BOX ()

1	2	3
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Flown: 100% (3/3)
Green: 100% (3/3)
Yellow: 0% (0/3)
Red: 0% (0/3)

D10|CTWD_LINES ()

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21																			

Flown: 100% (21/21)
Green: 100% (21/21)
Yellow: 0% (0/21)
Red: 0% (0/21)

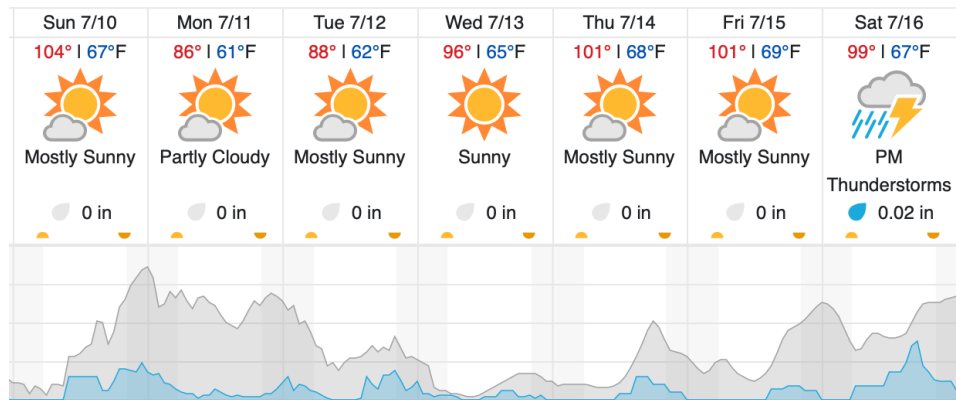
D10|RMNP (Rocky Mountain National Park Priority 1)

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	

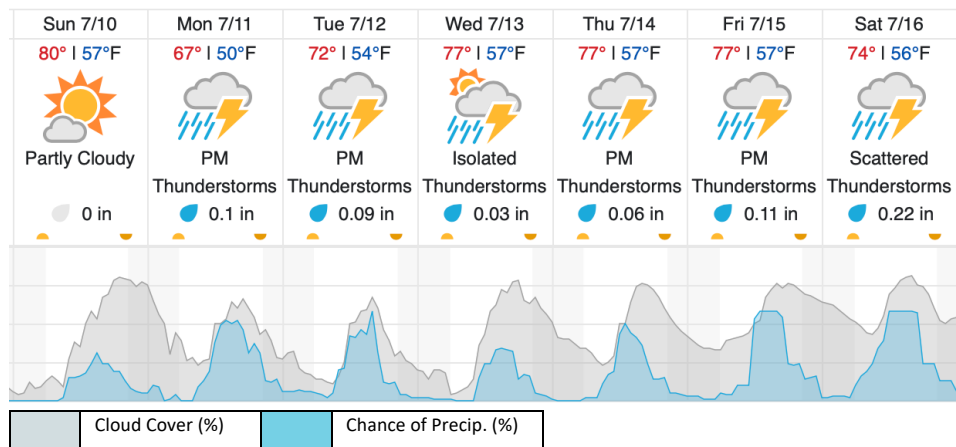
Flown: 0% (0/39)
Green: 0% (0/39)
Yellow: 0% (0/39)
Red: 0% (0/39)

Weather Forecast

Joe's, CO



Allenspark, CO



source: wunderground.com

Flight Collection Plan for July 10th 2022

Flyority 1:

Collection Area: Rocky Mountain National Park (RMNP)

Flight plan name: D10_RMNP_R2_P1_v2_Q780

On-Station Time: 1530 UTC / 0930 L

Flyority 2:

Collection Area: Arikaree River (ARIK)

Flight plan name: D10_ARIK_A1_P2_v3_Q780

On-Station Time: 1510 UTC / 0910 L

Crew: Matt (Lidar), John (NIS)