



Payload 3 Daily Flight Report



Date: 2022-07-12

Flight Campaign ID: P3C1

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

Aircraft: N70AR

Domain: 10 (Central Plains)

Sites Flown: ARIK (Arikaree River)

Days left in Domain: 15

Report Author: Matt

Lidar Operators: Matt

Spectrometer Operators: Nick

Pilots: Magnus , Justin

Ground Crew: John

Flight Hours: 03:06

Hours until maintenance: 12.27

GPS Instruments: 03 - , AOP_KBDU

Summary

The crew completed 9 lines and a cross strip at the ARIK site under green conditions. Cumulous clouds in the target area turned the conditions to yellow, forcing the crew to RTB.

Concerns

None

Comments

None

Daily Coverage

Estimated Cloud Cover Key

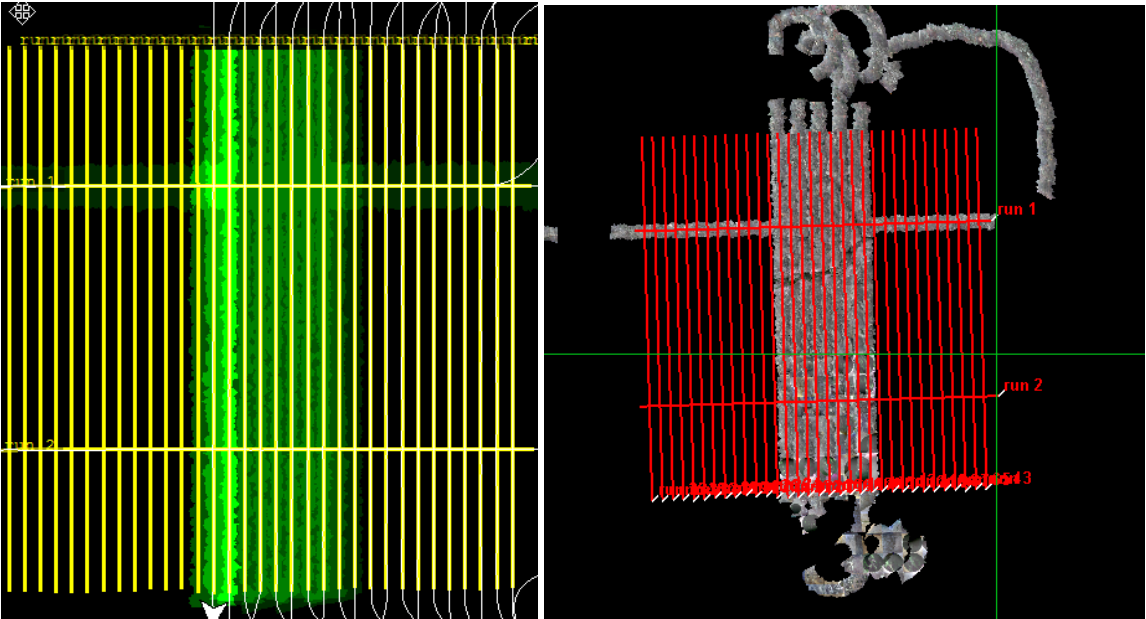
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D10|ARIK

Line #	1	14	15	16	17	18	19	20	21	22
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer		✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

Total number of lines flown: 10

Flight Screenshots



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: 63% (22/35)
Green: 63% (22/35)
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)

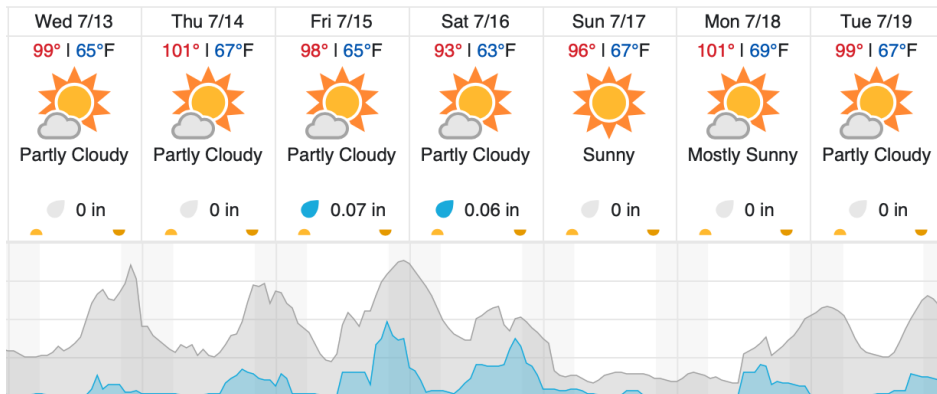
D10|RMNP (Rocky Mountain National Park Priority 1)

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	

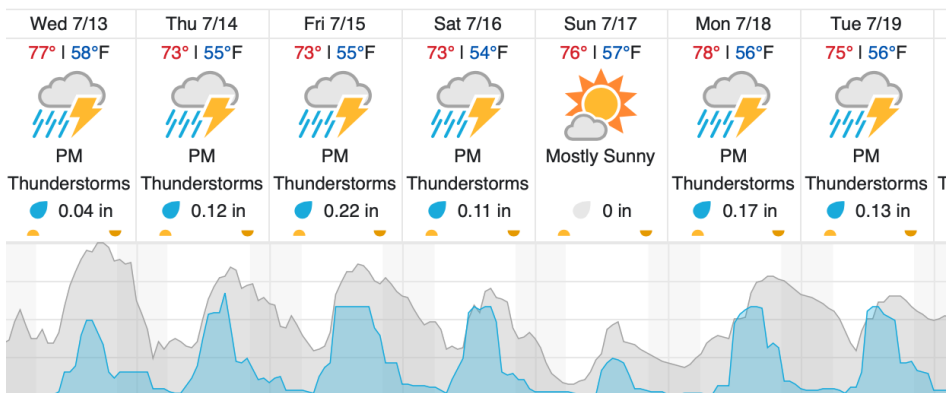
Flown: 0% (0/39)
Green: 0% (0/39)
Yellow: 0% (0/39)
Red: 0% (0/39)

Weather Forecast

Joe's, CO



Allenspark, CO



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for July 13th 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: Nick (Lidar), Matt (NIS), John (Ground)