



Payload 3 Daily Flight Report



Date: 2022-07-19
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: 8

Report Author: Matt
Lidar Operators: Matt
Spectrometer Operators: Cameron
Pilots: Justin , Brent

Flight Hours: 03:29
Hours until maintenance: 101.93
GPS Instruments: 03 - ARIK, AOP_KBDU

Summary

The crew took advantage of green conditions over the ARIK site and completed the remaining 13 lines.

Concerns

None

Comments

None

Daily Coverage

Estimated Cloud Cover Key

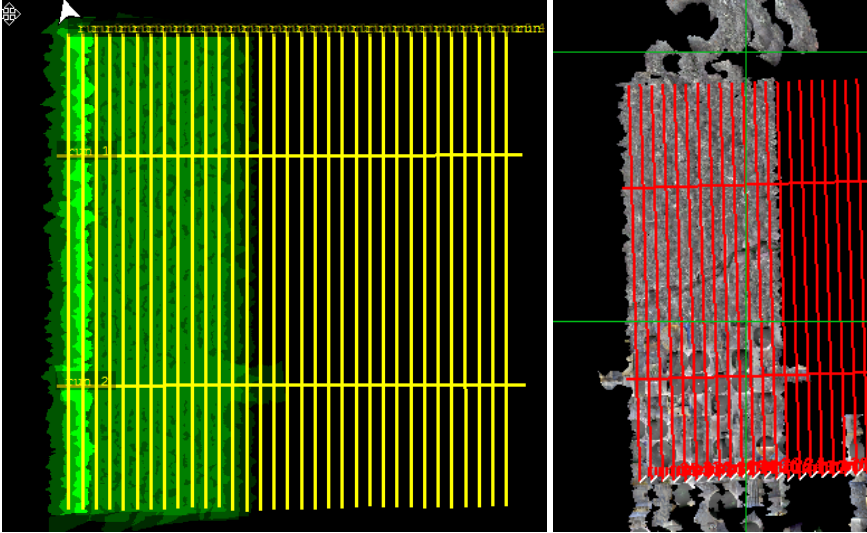
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D10|ARIK

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

Total number of lines flown: 13

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: 100% (35/35)

Green: 100% (35/35)

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)

D10|STER (Sterling Agricultural Site)

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																

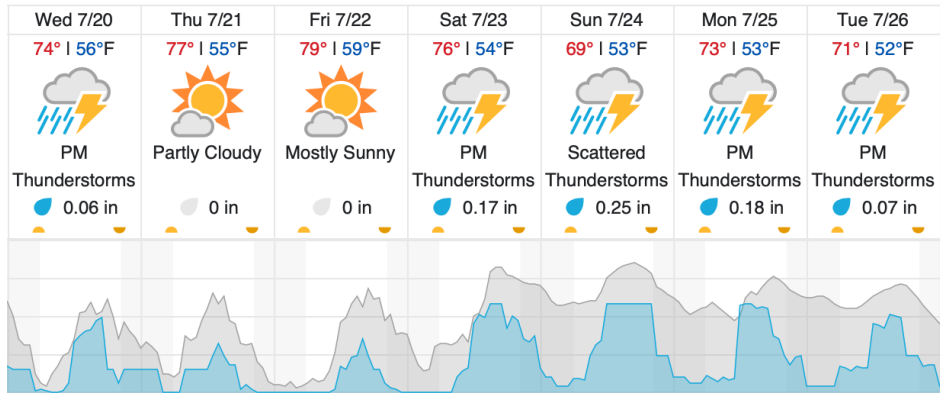
Flown: 100% (25/25)

Green: 100% (25/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

Weather Forecast



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

Flight Collection Plan for July 20th 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

Crew: Cam (Lidar), Matt (NIS)