



Payload 3 Daily Flight Report



Date: 2022-07-25

Flight Campaign ID: P3C1

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

Aircraft: N70AR

Domain: 10 (Central Plains)

Sites Flown: RMNP (Rocky Mountain National Park Priority 1)

Days left in Domain: 2

Report Author: Matt

Lidar Operators: Matt

Spectrometer Operators: John

Pilots: Justin , Brent

Ground Crew: Nick

Flight Hours: 03:31

Hours until maintenance: 98.42

GPS Instruments: AOP_KBDU, AOP_NIWO

Summary

The crew completed 20 lines at the RMNP site under red conditions.

Concerns

None

Comments

None

Daily Coverage

Estimated Cloud Cover Key

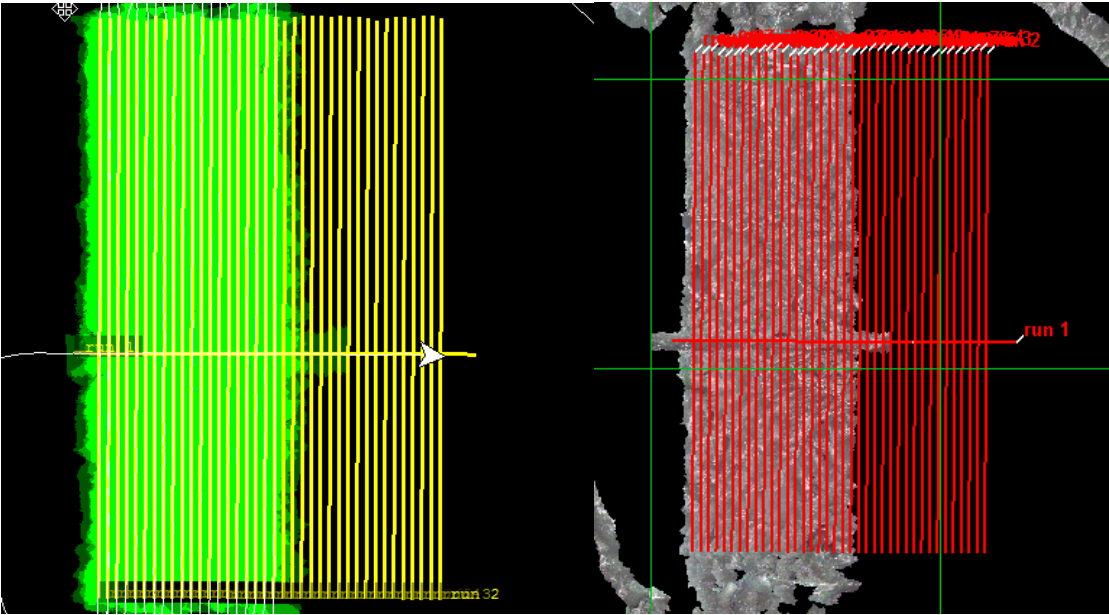
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D10|RMNP

Line #	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Total number of lines flown: 20

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: 54% (21/39)
Green: 0% (0/39)
Yellow: 0% (0/39)
Red: 54% (21/39)

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)

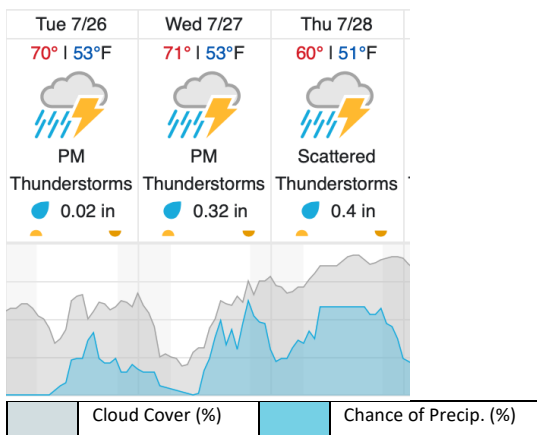
Green: 100% (25/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

Weather Forecast

Allenspark, CO (RMNP)



source: wunderground.com

Flight Collection Plan for July 26th 2022

Flyority 1:

Collection Area: Rocky Mountain National Park (RMNP)

Flight plan name: D10_RMNP_R2_P1_v2_Q780

On-Station Time: 1510 UTC / 0910 L

Crew: John (Lidar), Matt (NIS)