



Payload 3 Daily Flight Report



Date: 2022-07-07

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: 20

Report Author: John

Lidar Operators: John

Spectrometer Operators: Matt

Pilots: Magnus , Brent

Flight Hours: 02:36

Hours until maintenance: 25.32

GPS Instruments: 03 - AOP Hangar

Summary: Collected Green lines over ARIK, but had to return to Boulder due to impending summer storm at Boulder.

Concerns: None

Comments: Poor cell reception does not allow the ARIK camera to be used, maybe forego deploying it next year. Using HK3 to extract today's flight.

Daily Coverage

Estimated Cloud Cover Key

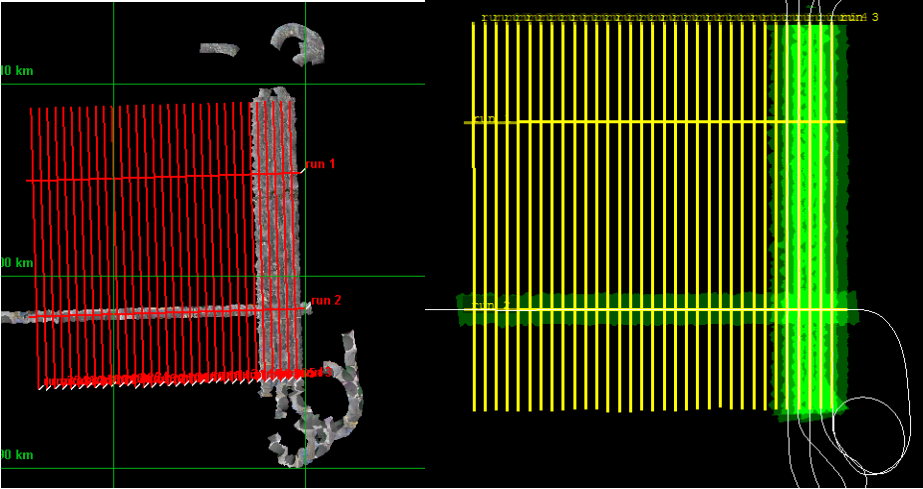
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D10|ARIK

Line #	3	4	5	6	7
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

Total number of lines flown: 5

Flight Screenshots



NIS screenshot

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
---	---	---

Flown: 0% (0/3)
Green: 0% (0/3)
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: 0% (0/21)
Green: 0% (0/21)
Yellow: 0% (0/21)
Red: 0% (0/21)

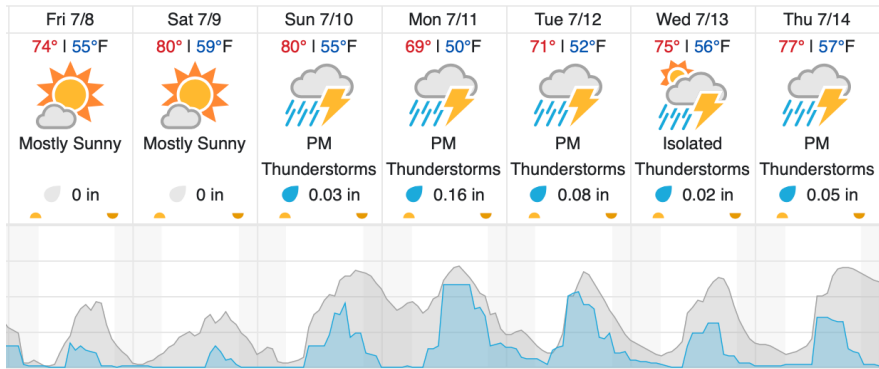
D10|RMNP (Rocky Mountain National Park Priority 1)

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	

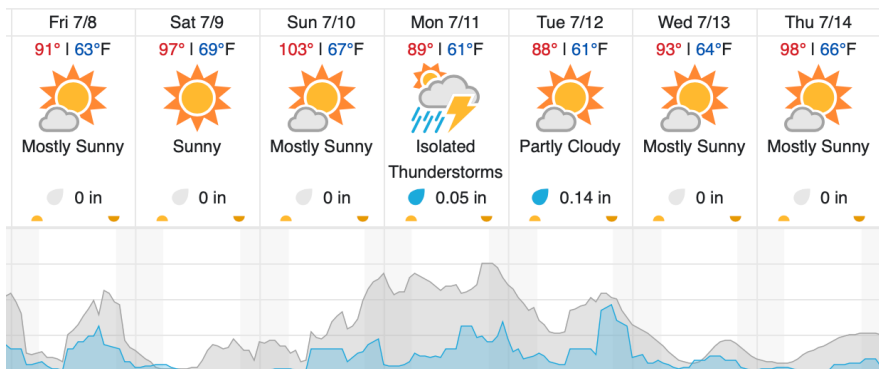
Flown: 0% (0/39)
Green: 0% (0/39)
Yellow: 0% (0/39)
Red: 0% (0/39)

Weather Forecast

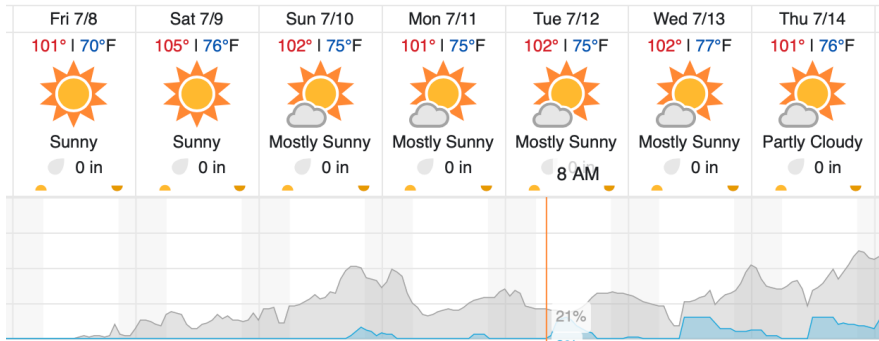
Allenspark, CO (RMNP)



Joes, CO (ARIK)



Moab, UT



Cloud Cover (%)	Chance of Precip. (%)
-----------------	-----------------------

source: wunderground.com

Flight Collection Plan for 8 July 2022

Flyority 1:

Collection Area: Canyonlands 800m Flight Box (CTWD_BOX)

Flight plan name: D13_CTWD_Cnynlnds_FB_800m_v1

On-Station Time: 1540 UTC / 0940 L

Crew: Matt (Lidar), John (NIS)