Payload 3 Daily Flight Report

Date: 2020-07-01
Flight Campaign ID: P3C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 10 (Central Plains)
Sites Flown: RMNP_P1 (Rocky Mountain National Park Priority 1)
Days left in Domain: 4

Report Author: Mitch Haynes
Lidar Operators: Mitch Haynes
Spectrometer Operators: Matt DeVoe
Pilots: Micah Hoogeveen, Lane Taylor
Ground Crew: Elissa Barris

Flight Hours: 03:06
Hours until maintenance: 87.73
GPS Instruments: 02 - RMNP, 06 - FBO_KBDU

Summary
Clear but windy skies over RMNP allowed for 18 bumpy lines to be collected under green conditions before winds increased past acceptable limits.

Concerns
None

Comments
- Big thanks to the pilots for putting in some hard work fighting winds for us today.

Daily Coverage
Estimated Cloud Cover Key

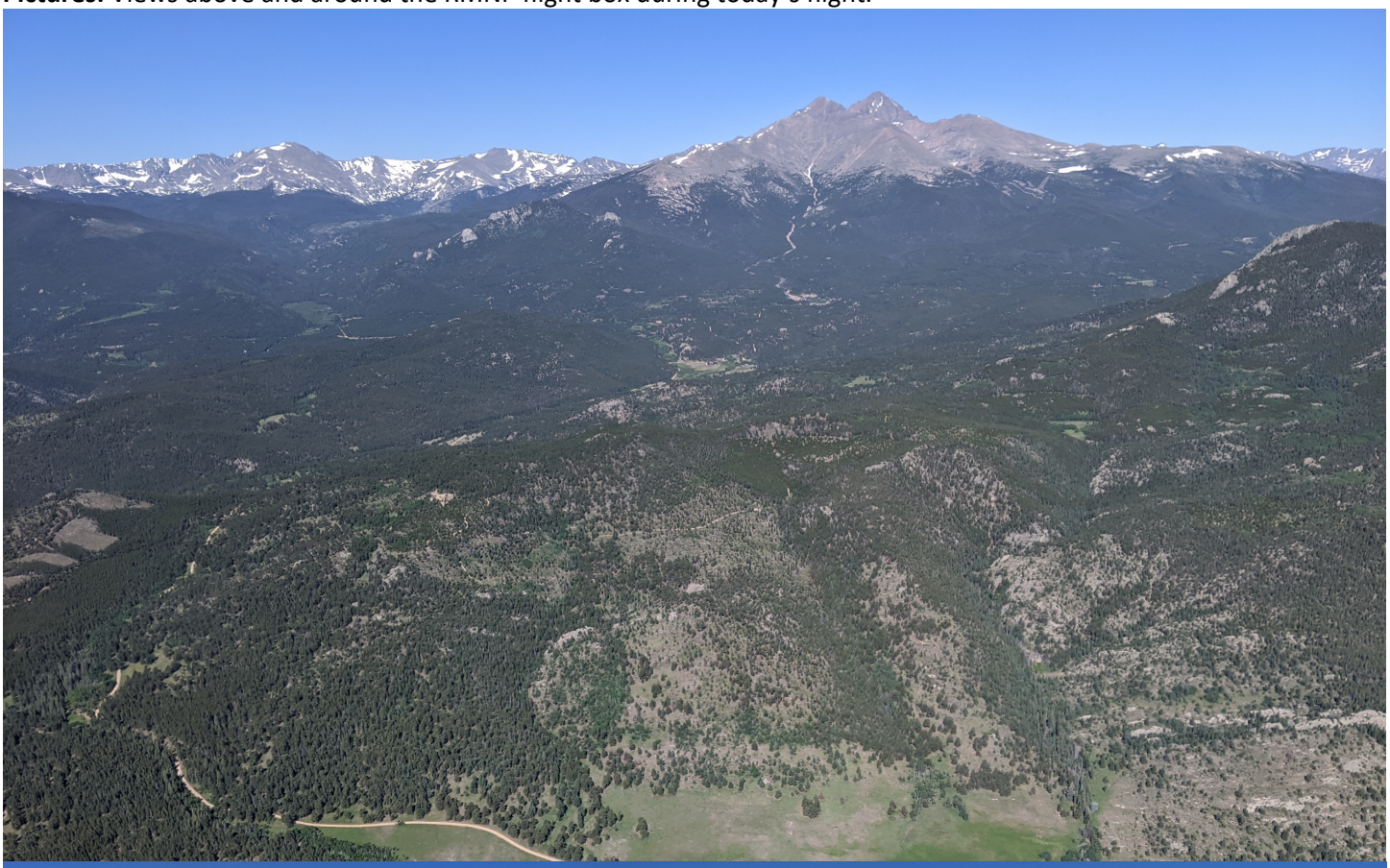
Green: 0-10%	Yellow: 11-50%	Red: >50%

D10|RMNP_P1

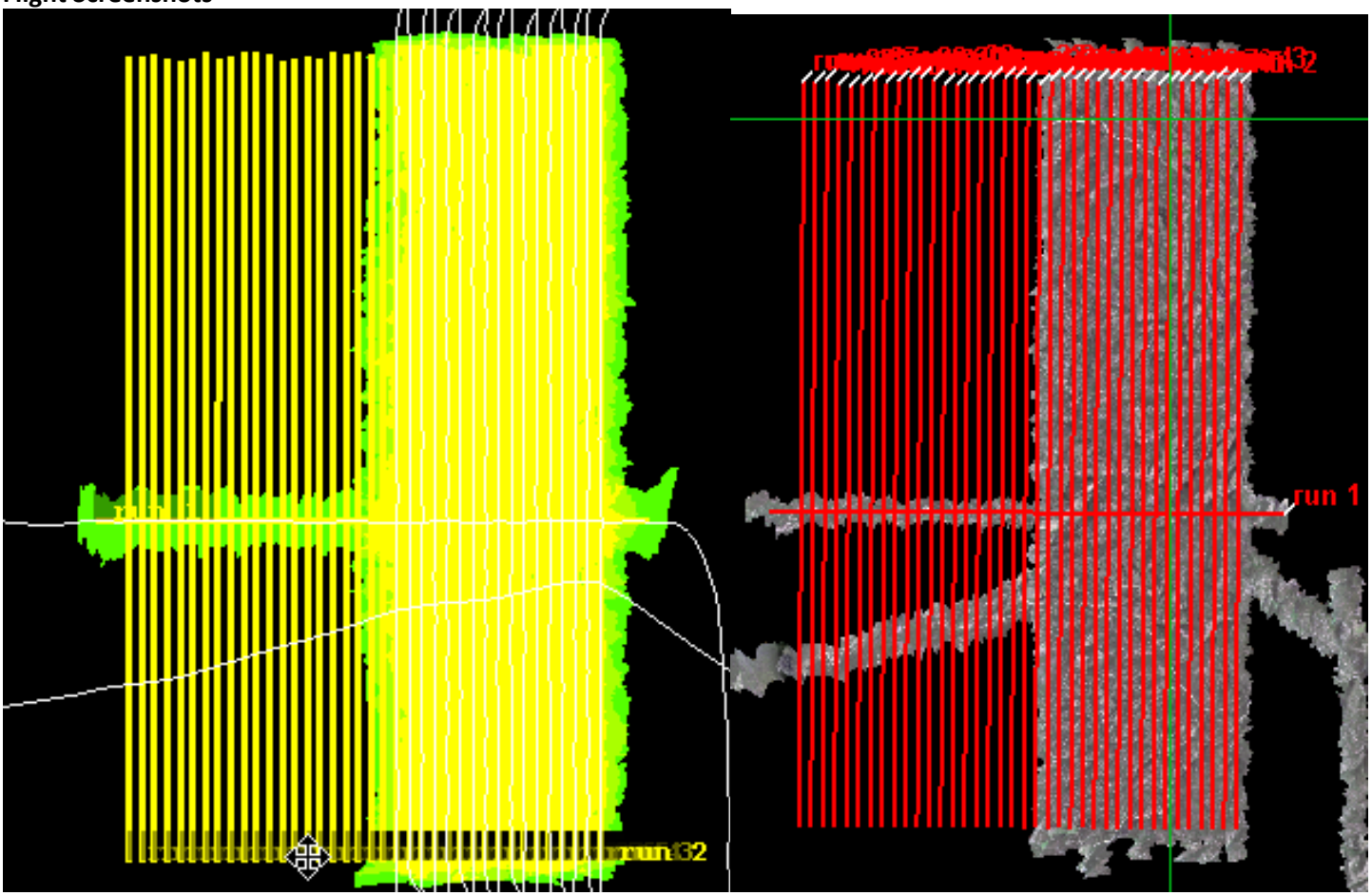
Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																		

Total number of lines flown: 18

Pictures: Views above and around the RMNP flight box during today's flight.



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: 97% (34/35)
Green: 31% (11/35)
Yellow: 46% (16/35)
Red: 20% (7/35)

D10|CPER (Central Plains Ecological Range)

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												

Flown: 100% (28/28)
Green: 100% (28/28)
Yellow: 0% (0/28)
Red: 0% (0/28)

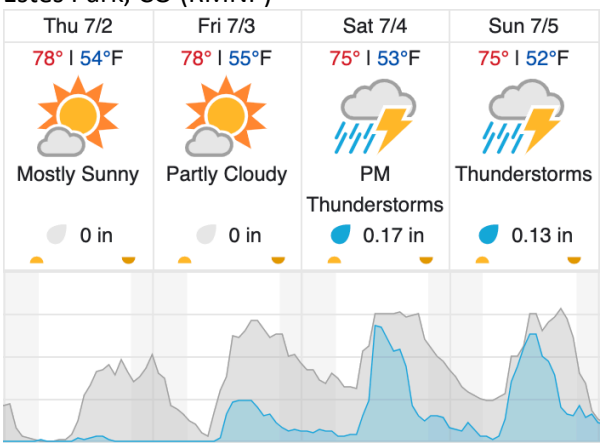
D10|RMNP_P1 (Rocky Mountain National Park Priority 1)

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	

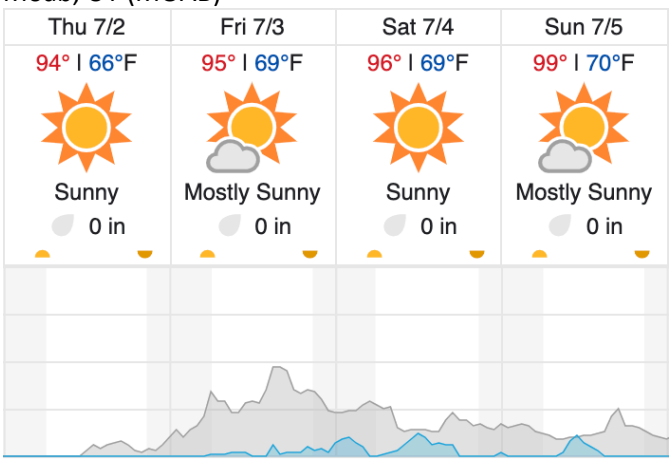
Flown: 59% (23/39)
Green: 59% (23/39)
Yellow: 0% (0/39)
Red: 0% (0/39)

Weather Forecast

Estes Park, CO (RMNP)



Moab, UT (MOAB)



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

Flight Collection Plan for 2 July 2020

Flyority 1
Collection Area: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P1_v2_Q780
On-Station Time: 15:20 UTC / 09:20L

Flyority 2
Collection Area: Moab (MOAB) – Moab, UT
Flight Plan Name: D13_MOAB_R1_P1_v3_Q780
On-Station Time: 15:30 UTC / 09:30L

Flight Crew: Cameron Chapman (Lidar), Nicolas Marusich (NIS), Matthew DeVoe (Ground)