



August 20, 2019 Payload 3 Daily Flight Report



Date: 2019-08-20

Flight Campaign ID: 2019_P3C1

Airport, FBO ID, City: Grand Junction Regional Airport - Grand Junction, CO

Domain: 13

Sites Flown: MOAB (Moab)

Days left in Domain: 6

Report Author: Elissa Barris

Flight Crew: Elissa Barris, Matt Devoe

Ground/GPS: Nick Marusich

Pilots: Chad Evans, Shelby Schulz

Additional Personnel: None

GPS Instruments: C-MC01, C-MC04, U-P012, 01 - FBO_KBDU

Flight Hours: 03:40

Hours until maintenance: 49.13

Summary

Today we returned to MOAB and flew 23 lines in green sky conditions, completing initial coverage for the site and leaving only six non-green lines.

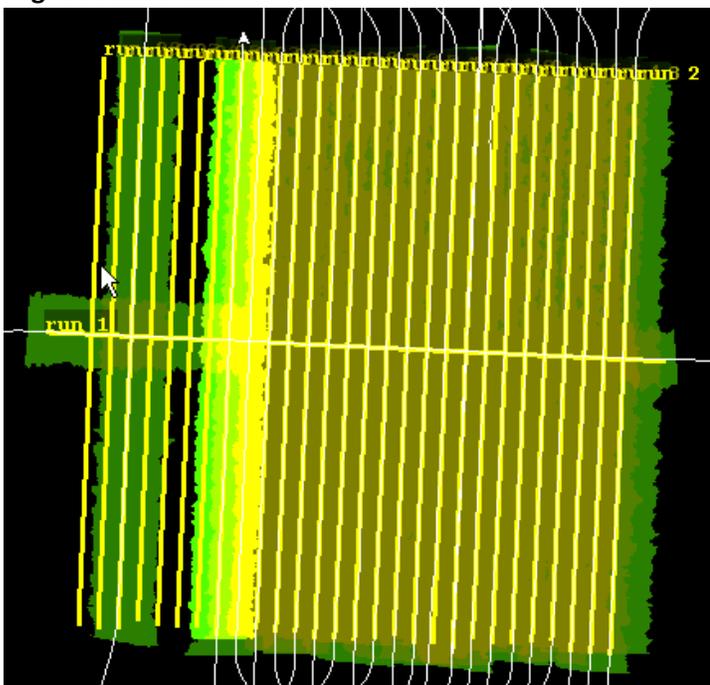
Concerns

None

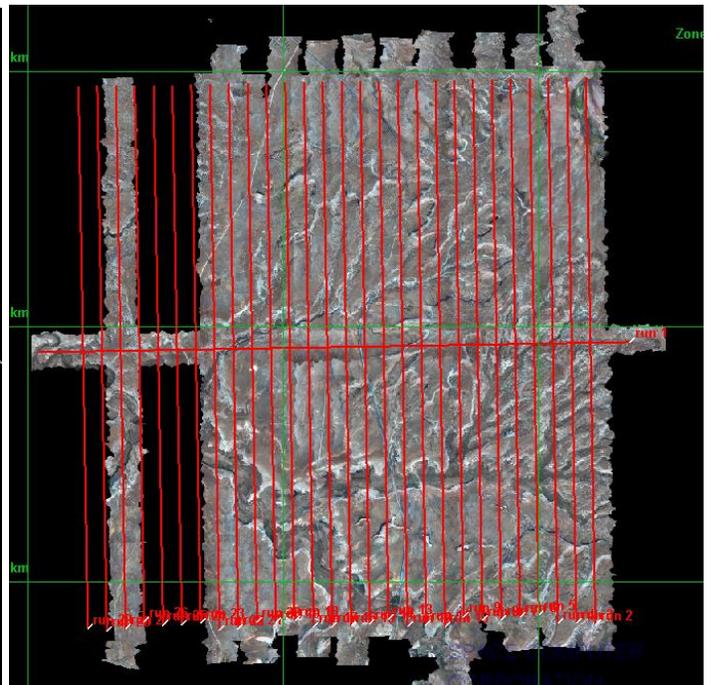
Comments

None

Flight Screenshots



Lidar

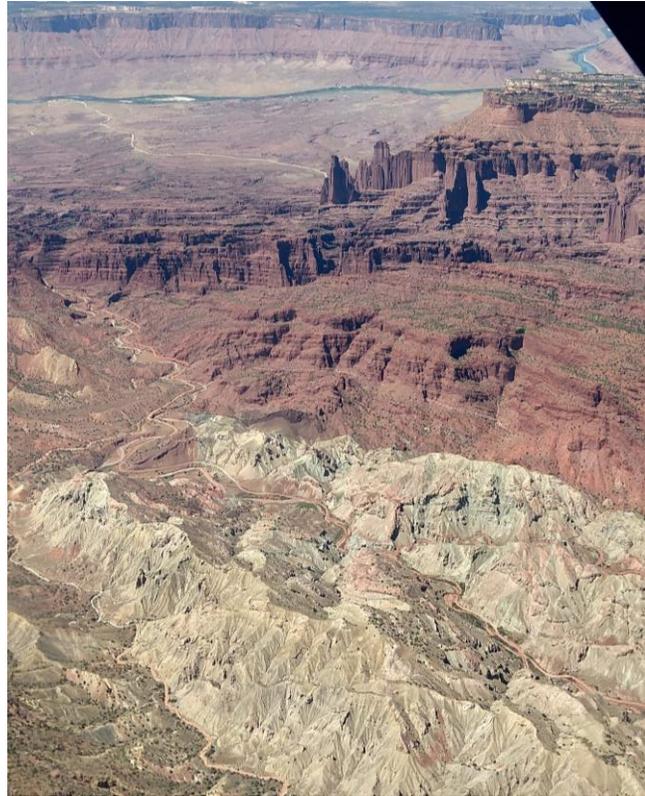


NIS

Pictures



NEON tower and soil plots at D13 MOAB



Fisher Towers and the Colorado River

Daily Coverage

D13 MOAB	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
Flown:	23							

Cumulative Domain Coverage

MOAB

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											

Flown: 100% (29/29)

Green: 79% (23/29)

Yellow: 55% (16/29)

Red: 0% (0/29)

NIWO

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	40
41	42	43	44	45	46	47	48	49	50	51	52								

Flown: 79% (41/52)

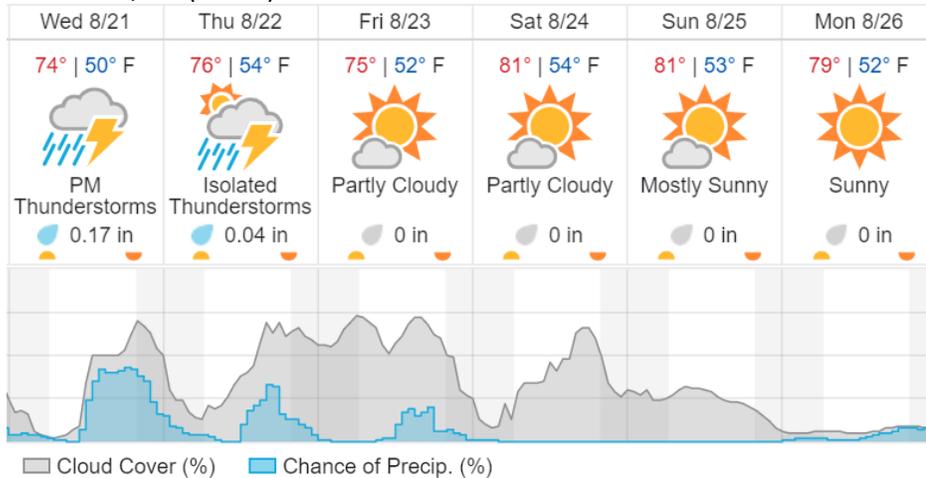
Green: 54% (28/52)

Yellow: 33% (17/52)

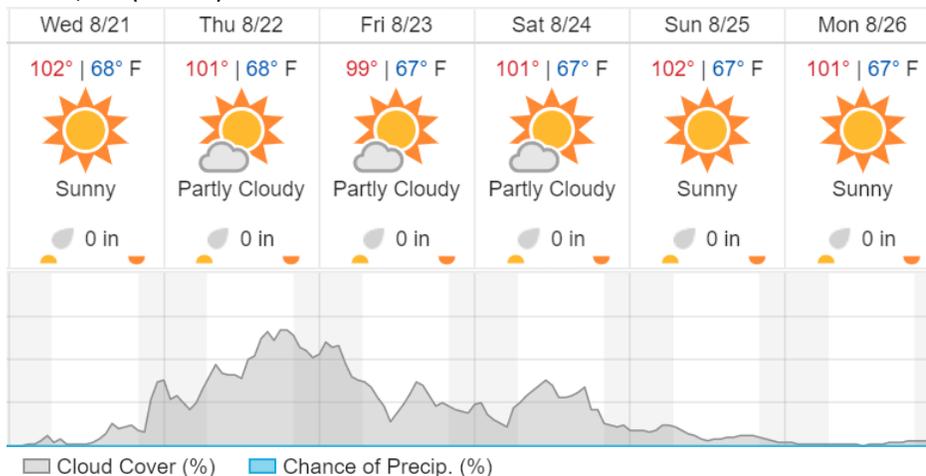
Red: 0% (0/52)

Weather Forecast

Nederland, CO (NIWO)



Moab, UT (MOAB)



Flight Collection Plan for 21 August 2019

Crew: Matt DeVoe (Lidar), Elissa Barris (NIS/Ground)

Flyority 1

Collection Area: Niwot Ridge Mountain Research Station (NIWO)

Flight Plan Name: D13_NIWO_C1_P1_v5_Q780

On-Station Time: 1600 – 2220 UTC / 1000 – 1620 L

Flyority 2

Collection Area: Moab (MOAB)

Flight Plan Name: D13_MOAB_R1_P1_v3_Q780

On-Station Time: 1610 – 2240 UTC / 1010 – 1640 L

Flyority 3

Collection Area: Sterling Agricultural Site (STER)

Flight Plan Name: D10_STER_R1_P1_v3_Q780

On-Station Time: 1550 – 2210 UTC / 0950 – 1610 L