



August 14, 2019 Payload 3 Daily Flight Report



Date: 2019-08-14

Flight Campaign ID: 2019_P3C1

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

Domain: 13

Sites Flown: NIWO (Niwot Ridge Mountain Research Station)

Days left in Domain: 12

Report Author: Nick Marusich

Flight Crew: Nick Marusich, John Adler

Ground/GPS: Elissa Barris

Pilots: Shelby Schulz, Chad Evans

Additional Personnel:

GPS Instruments: 01 - FBO_KBDU, 03 - NIWO

Flight Hours: 01:17

Hours until maintenance: 60.87

Summary

The skies cleared from forecast allowing 5 lines in NIWO airshed to be collected in green before clouds arrived.

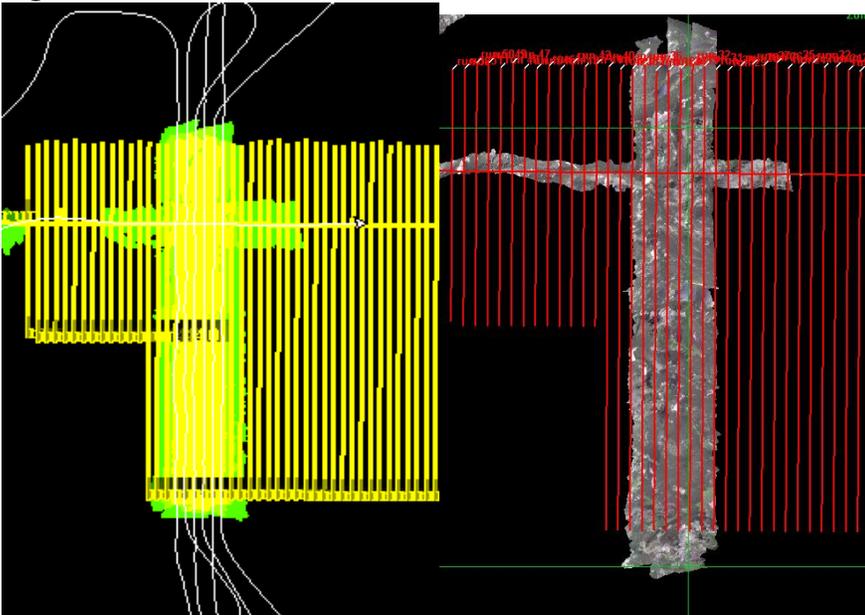
Concerns

- Thanks to Andrew for clearing up QAQC bug from MOAB flight extraction.

Comments

- Thanks to Elissa for jumping in as Ground ASO today.
- Elissa officially rotates in tomorrow. Nick rotates out but will remain at the NEON hangar.
- STER has been included in D13 deployment as priority 3.

Flight Screenshots



Pictures



NIWO NEON Tower

Daily Coverage

D13 NIWO	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
Flown:	7							

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											

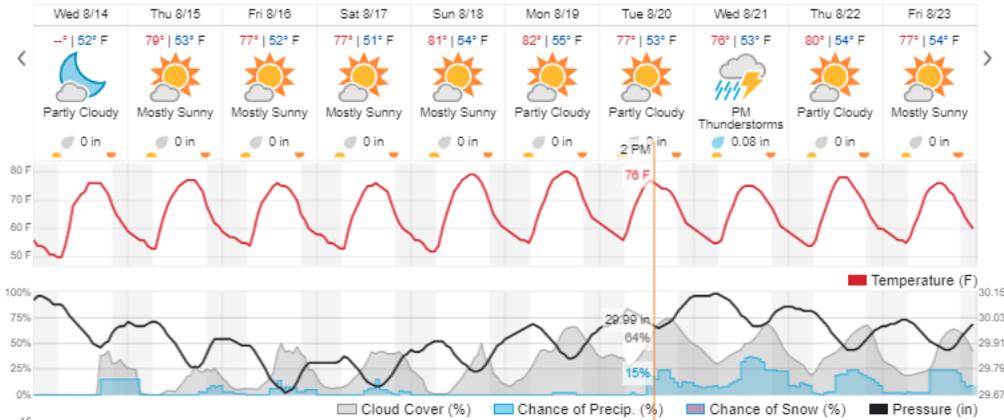
Flown: 55% (16/29)
 Green: 0% (0/29)
 Yellow: 55% (16/29)
 Red: 0% (0/29)

NIWO

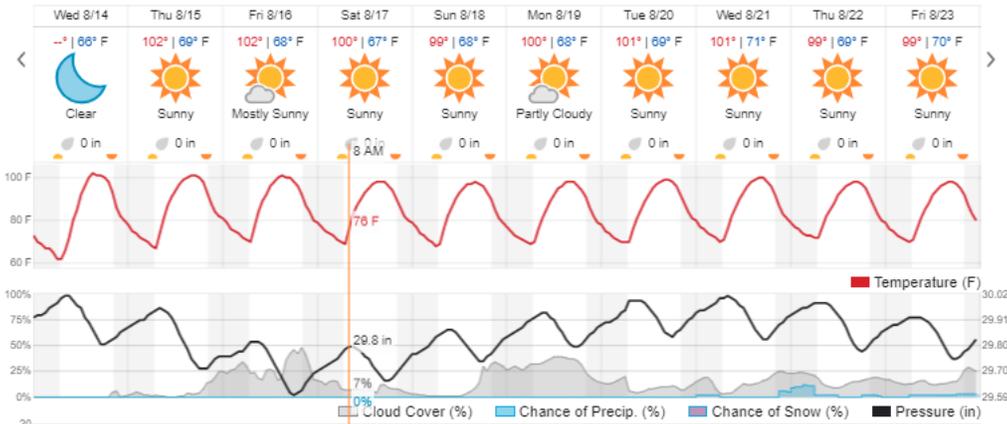
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52								

Flown: 13% (7/52)
 Green: 10% (5/52)
 Yellow: 4% (2/52)
 Red: 0% (0/52)

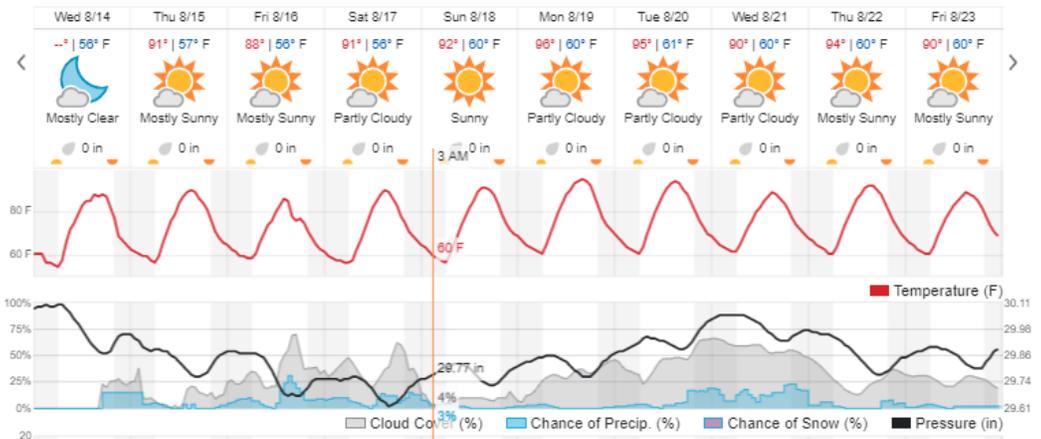
Weather Forecast



Nederland CO (NIWO)



Moab UT (MOAB)



Sterling CO (STER)

Flight Collection Plan for 15 August 2019

Crew: John Adler (lidar), Elissa Barris (NIS), Nick Marusich (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