



August 15, 2019 Payload 3 Daily Flight Report



Date: 2019-08-15

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: 11

Report Author: Elissa Barris

Flight Crew: Elissa Barris, John Adler

Ground/GPS: Nick Marusich

Pilots: Chad Evans, Shelby Schulz

Additional Personnel: None

GPS Instruments: 01 - FBO_KBDU, 03 - NIWO

Flight Hours: 01:51

Hours until maintenance: 59.02

Summary

Clear morning sky conditions permitted nearly two hours of green collection over Niwot Ridge. All remaining priority airshred lines and some terrestrial sampling lines were completed before the flight was called off due to cloud formation.

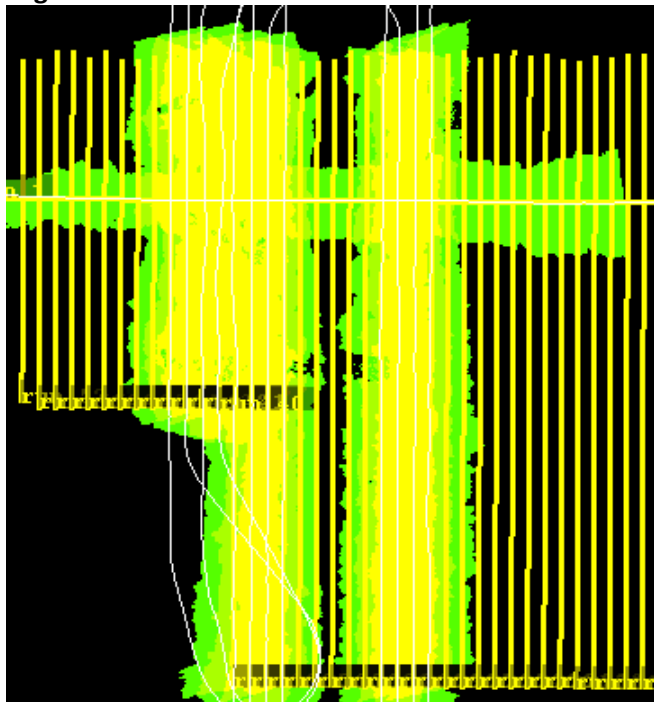
Concerns

None

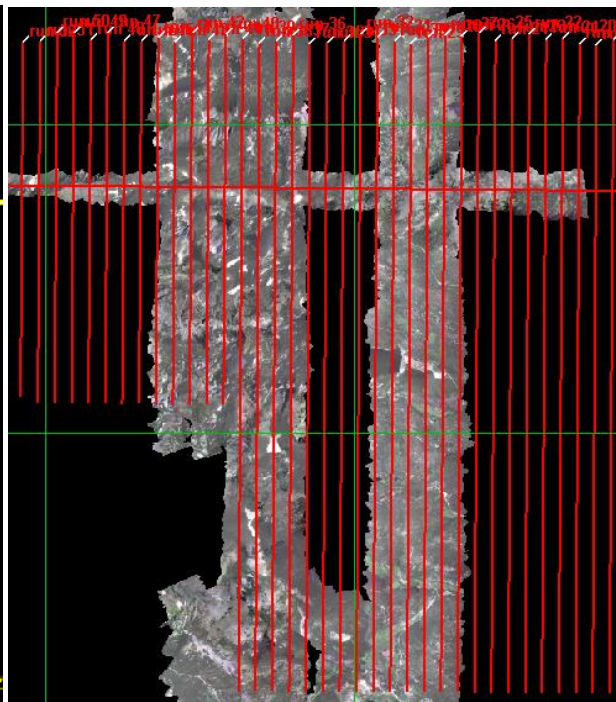
Comments

Domain 10/13 staff visited the Boulder hangar today for a tour!

Flight Screenshots



Lidar

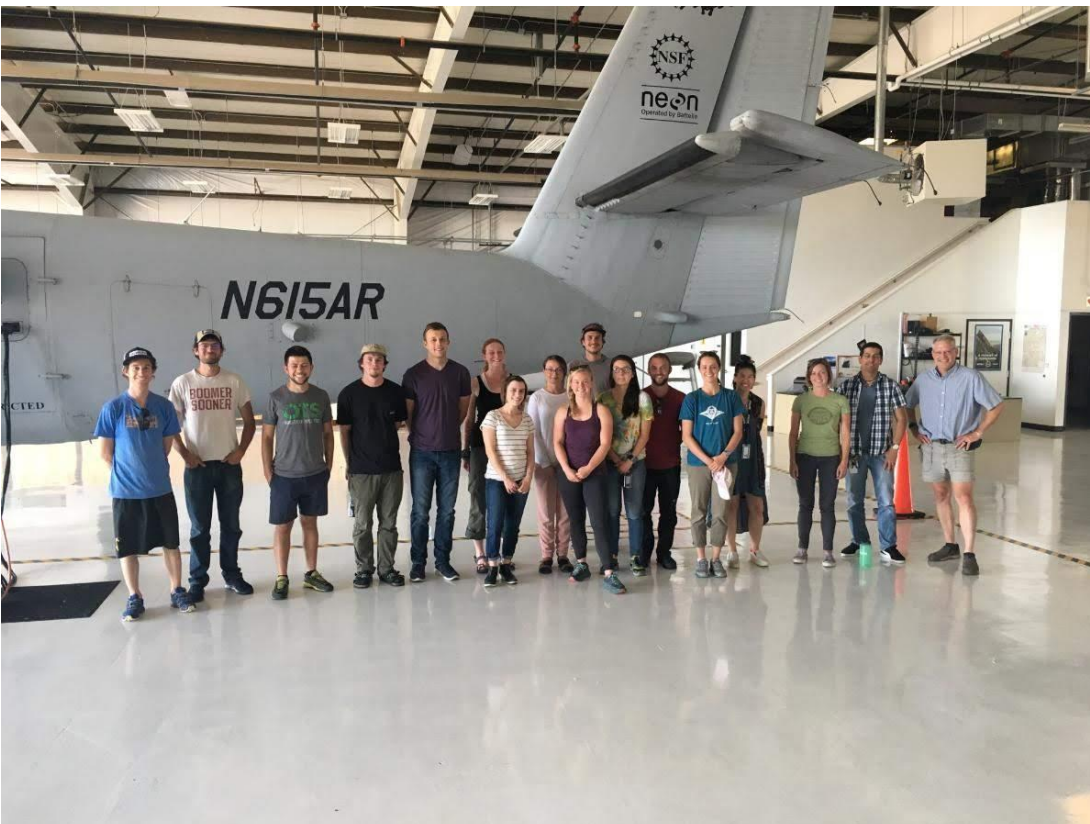


NIS

Pictures



Arapaho glacier and alpine lakes between North Arapaho Peak and Mount Albion



Domain 10/13 and Cyber Infrastructure staff visit the hangar for a tour

Daily Coverage

D13 NIWO	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
	37				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
	39				✓	✓	✓	NLC
	40				✓	✓	✓	NLC
	41				✓	✓	✓	NLC
	42				✓	✓	✓	NLC
	43				✓	✓	✓	NLC
Flown:	13							

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)

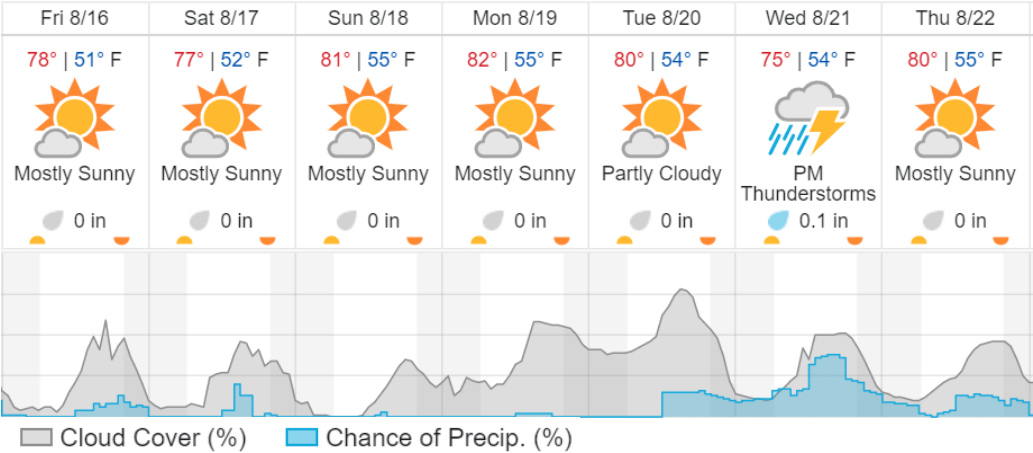
NIWO

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								

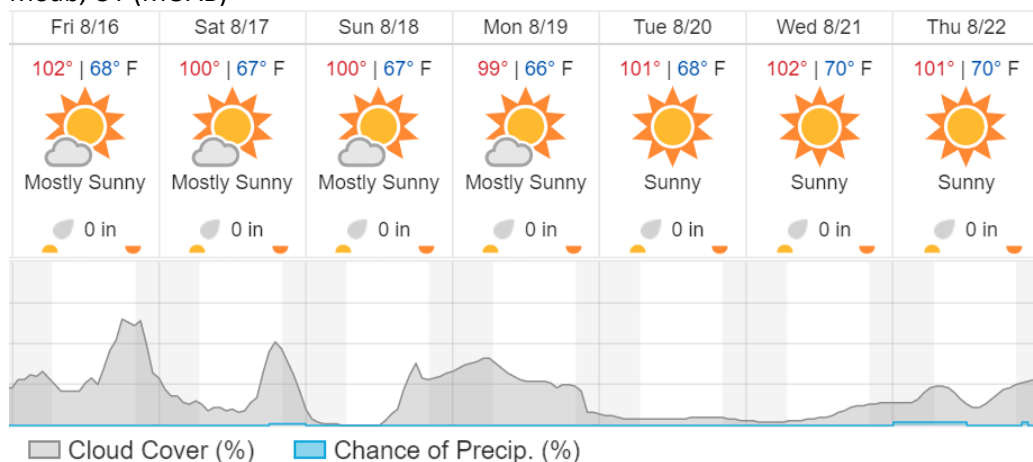
Flown: 35% (18/52)
Green: 35% (18/52)
Yellow: 4% (2/52)
Red: 0% (0/52)

Weather Forecast

Nederland, CO (NIWO)



Moab, UT (MOAB)



Flight Collection Plan for 16 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