



August 13, 2018 Payload 3 Daily Flight Report



Date: 2018-08-13

Flight Campaign ID: 2018_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: 4

Report Author:

Flight Crew: Nick Marusich, Bridget Hass, Mitch Haynes

Ground/GPS: Cameron Chapman

Pilots: Stephen Brawders, Grant Frost

Additional Personnel:

GPS Instruments: 03 - FBO_KBDU, 05 - NIWO

Flight Hours: 02:36

Hours until maintenance: 115.08

Summary

Haze prevented collections at STER today. Crew focused on NIWO priority lines under slight hazy conditions. Clouds finally stayed off until turning to yellow conditions. Crew was able to collect 16 lines at NIWO. Two certification flights were conducted during the flight survey.

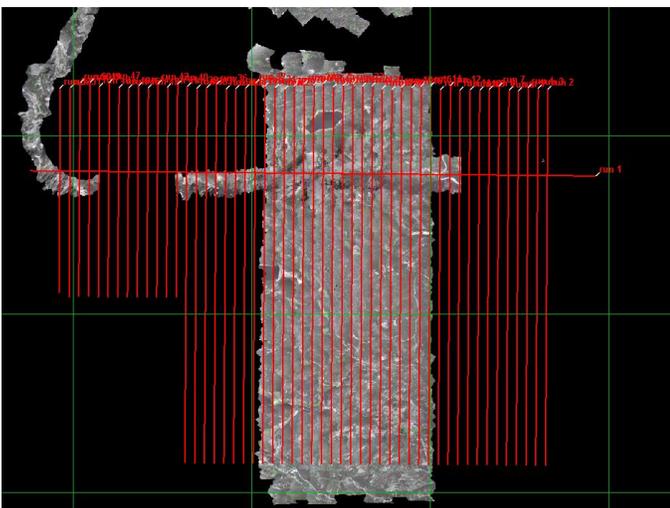
Concerns

Following flight, the payload was shut down for lab troubleshooting prior to D14 deployment. This will prevent further collections for this deployment to D13/D10.

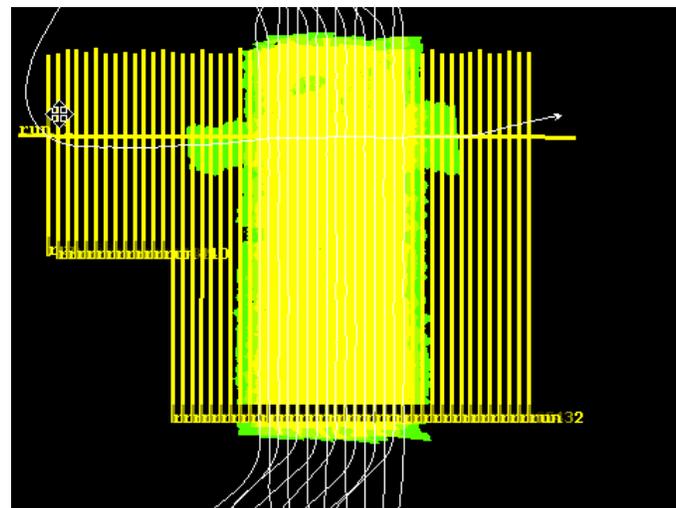
Comments

- Bridget Hass completed her third NIS certification flight.
- Nick Marusich completed his third Riegl Lidar certification flight.

Flight Screenshots



NIS Screenshot 20180813 Niwot



Lidar Screenshot 20180813 Niwot

Pictures



Bridget Hass smartly operating the NIS.



Scenery of Rocky Mountain during surveys.

Daily Coverage

D13 NIWO	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC

	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
Flown:	17							

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: 100% (29/29)
 Yellow: 0% (0/29)
 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: 100% (52/52)
 Green: 73% (38/52)
 Yellow: 23% (12/52)
 Red: 0% (0/52)

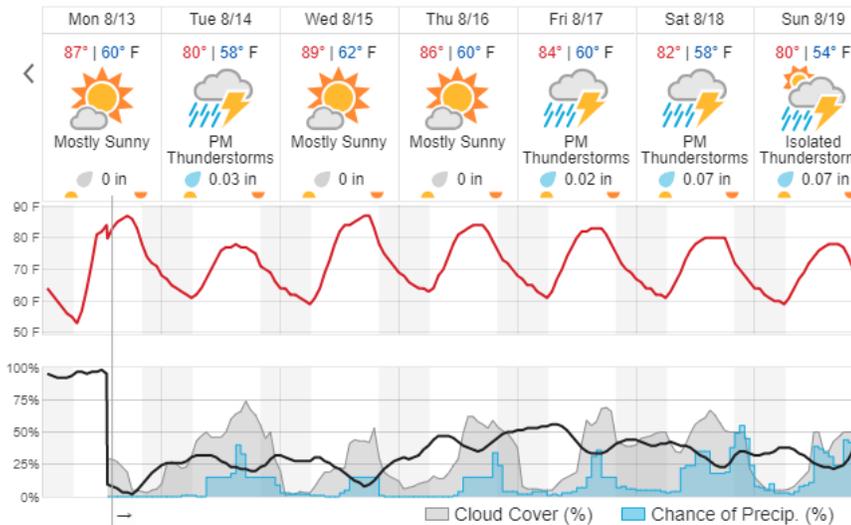
WLOU

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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Flown: 0% (0/14)
 Green: 0% (0/14)
 Yellow: 0% (0/14)
 Red: 0% (0/14)

Weather Forecast

Boulder CO



Flight Collection Plan for 14 August 2018

No flights planned.