



Payload 2 Daily Flight Report



Date: 2020-07-31

Flight Campaign ID: P2C1

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

Domain: 13 (Southern Rockies & Colorado Plateau)

Sites Flown: NIWO (Niwot Ridge Mountain Research Station)

Days left in Domain: 11

Report Author: Robb Walker

Lidar Operators: Robb Walker

Flight Hours: 01:26

Spectrometer Operators: Ivana Vu

Hours until maintenance: 34.23

Pilots: Stephen Brawders, Chad Evans

GPS Instruments: 05 - NIWO, AOP_KBDU

Ground Crew: Matt Devoe

Summary

Sky conditions looked promising as the Otter took to the skies just before sun-angle, but clouds were already beginning to form on West side of NIWO flight box. Crew collected 3 lines under "Green" conditions at NIWO before clouds increased.

Concerns

None

Comments

None

Daily Coverage

Estimated Cloud Cover Key

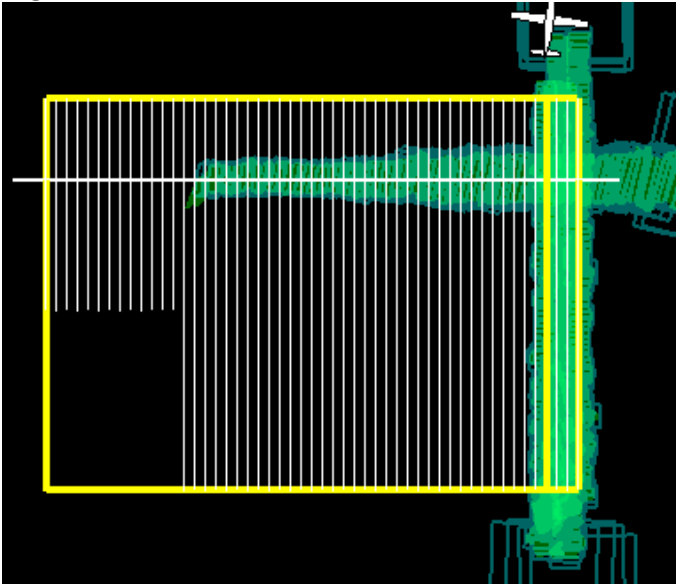
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D13|NIWO

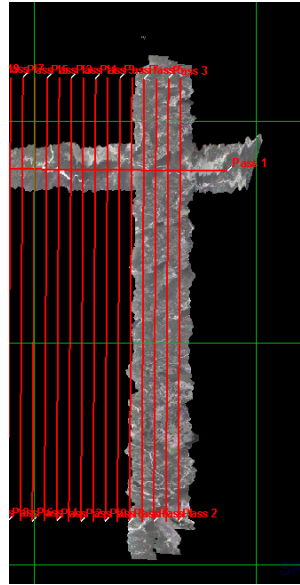
Line #	2	3	4	5
Lidar	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓
Camera	✓	✓	✓	✓
Cloud Cover				

Total number of lines flown: 4

Flight Screenshots



Lidar



NIS

Pictures



Skies over NIWO flight box after terminating collection.

Cumulative Domain Coverage

D13 | NIWO (Niwot Ridge Mountain Research Station)

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: 54% (28/52)

Green: 54% (28/52)

Yellow: 0% (0/52)

Red: 0% (0/52)

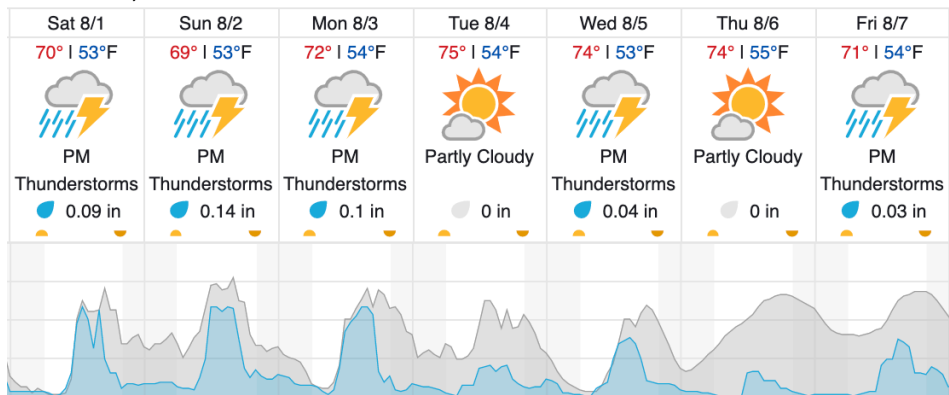
D13 | WLOU (West St. Louis Creek)



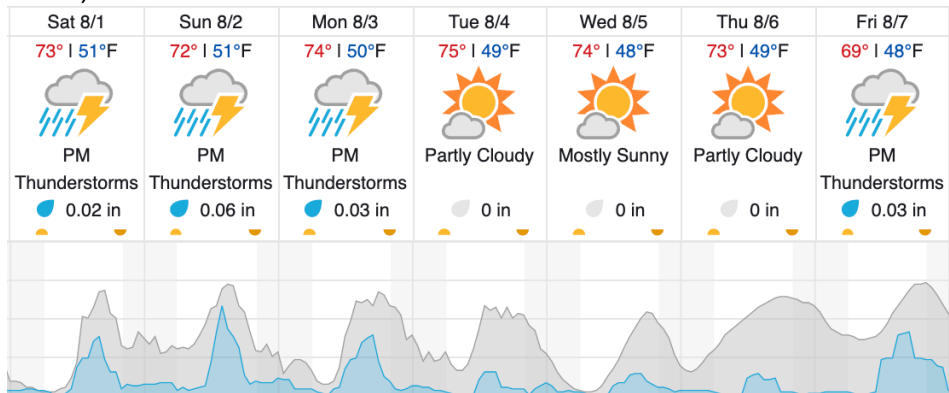
Flown: 100% (14/14)
 Green: 57% (8/14)
 Yellow: 43% (6/14)
 Red: 0% (0/14)

Weather Forecast

Nederland, CO



Fraser, CO



Flight Collection Plan for 01 August 2020

Flyority 1

Collection Area: Niwot Ridge Mountain Research Station (NIWO), Lines 5-28

Flight Plan Name: D13_NIWO_C1_P1_v4.pln

On-station Time: 0940 – 1640 Local / 1540 – 2240 UTC

Flyority 2

Collection Area: West St Louis Creek (WLOU), Lines 10-14 if conditions are “green”

Flight Plan Name: D13_WLOU_A1_P1_v1.pln

On-station Time: 0950 – 1640 Local / 1550 – 2240 UTC

Crew Members: John (Lidar), Mike (NIS), Robb (Ground)

Flight Collection Plan for 02 August 2020

Flyority: Same as Previous Day

Crew Members: Mike (Lidar), John (NIS), Robb (Ground)