



Payload 2 Daily Flight Report



Date: 2020-07-11

Flight Campaign ID: P2C1

Airport, FBO ID, City: Bozeman Yellowstone International Airport (KBZN) - Belgrade, MT

Domain: 12 (Northern Rockies)

Sites Flown: YELL (Yellowstone Northern Range)

Days left in Domain: 6

Report Author: Ivana Vu

Lidar Operators: Ivana Vu

Spectrometer Operators: John Adler

Pilots: Chad Evans, Will Matthews

Flight Hours: 03:26, 02:57

Hours until maintenance: 48.22

GPS Instruments: 04 - FBO_KBZN, U-MAWY, U-P720

Summary

Crew continued collecting data in clear sky conditions this morning and a 2nd flight was conducted to “green up” data until clouds started to build at the site. Initial coverage is now complete at D12.

Concerns

None

Comments

- QA for 2020070919 encountered an error and was rerun. Data from today’s flights will be extracted tomorrow.
- Happy Birthday, Robb Walker!

Daily Coverage

Estimated Cloud Cover Key

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

D12|YELL

Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

Total number of lines flown: 25

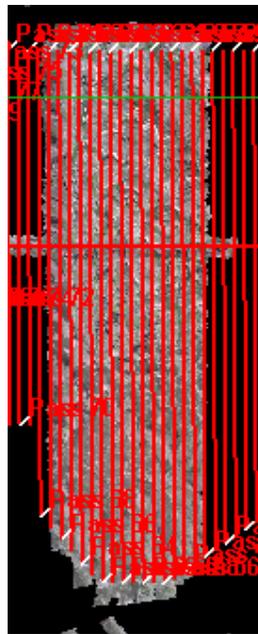
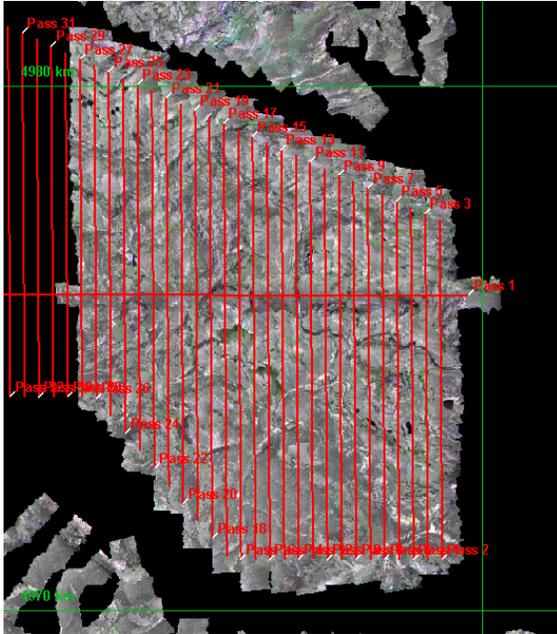
D12|YELL

Line #	53	54	55	56	57	58	59	60	61	62	63	64	65	66
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover														

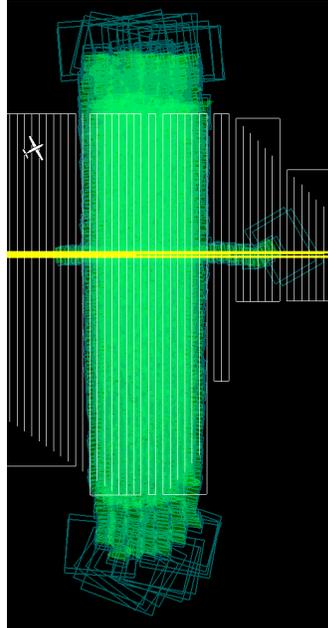
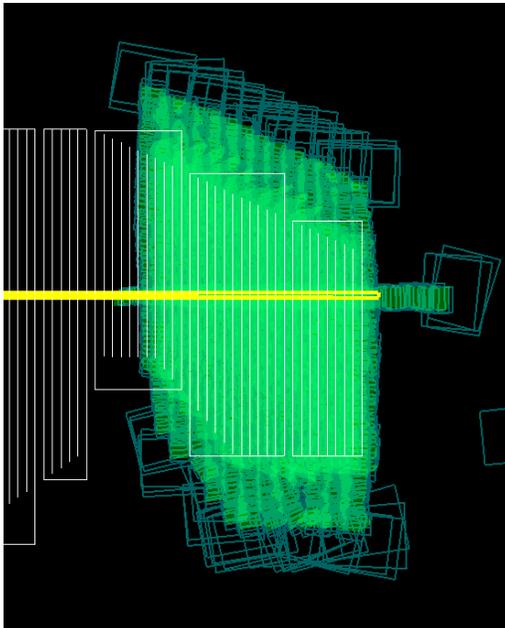
Total number of lines flown: 14

Flight Screenshots

NIS



Lidar



Cumulative Domain Coverage

D12 | N12A (D12 Nominal Runway)

1

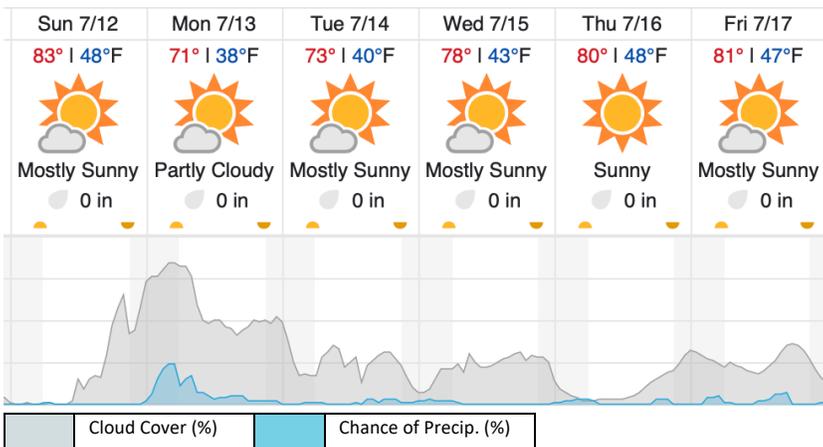
Flown: 100% (1/1)
 Green: 100% (1/1)
 Yellow: 0% (0/1)
 Red: 0% (0/1)

D12 | YELL (Yellowstone Northern Range)

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	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85															

Flown: 100% (85/85)
 Green: 87% (74/85)
 Yellow: 13% (11/85)
 Red: 0% (0/85)

Weather Forecast



Flight Collection Plan for 12-17 July 2020

Flyority 1

Collection Area: Yellowstone Northern Range (YELL)
 Flight Plan Name: D12_YELL_C1_P1_v4_650AGL_Max.pln
 On-station Time: 0950 – 1700 Local / 1550 – 2300 UTC
 Crew: John Adler and Ivana Vu