



Payload 2 Daily Flight Report



Date: 2020-07-05

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: 12

Report Author: John Adler

Lidar Operators: John Adler

Spectrometer Operators: Ivana Vu

Pilots: Chad Evans, Will Matthews

Flight Hours: 02:23

Hours until maintenance: 63.75

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

Summary

Early morning tower camera showed 95% cloud free, but once on-station the clouds began forming. We flew the western portion of the flight box under mostly yellow conditions. Unfortunately, we lost survey power on landing, so the SBET will need some extra attention to provide good results.

Concerns

None.

Comments

Science team to look at the SBET in detail on this flight due to the power outage.

Daily Coverage

Estimated Cloud Cover Key

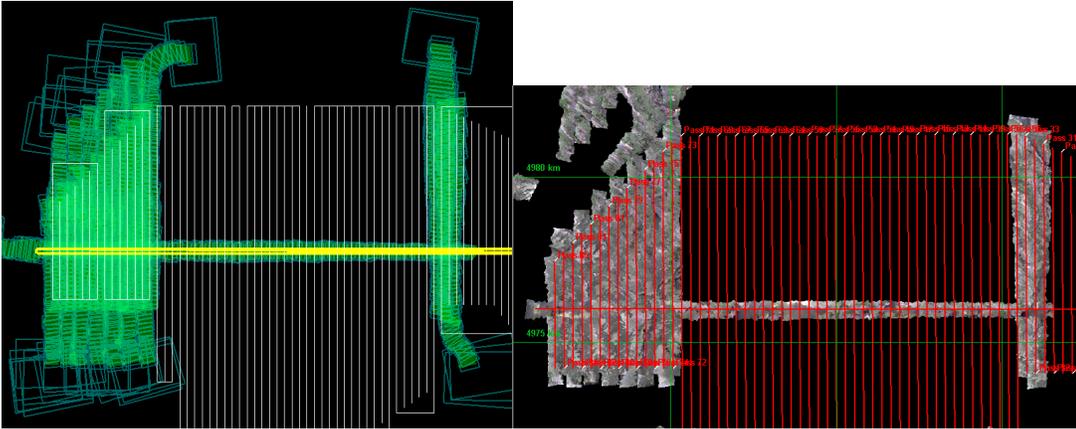
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D12|YELL

Line #	1	32	33	72	73	74	75	76	77	78	79	80	81	82	83	84	85
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																	

Total number of lines flown: 17

Flight Screenshots



Cumulative Domain Coverage

D12 | N12A (D12 Nominal Runway)

1

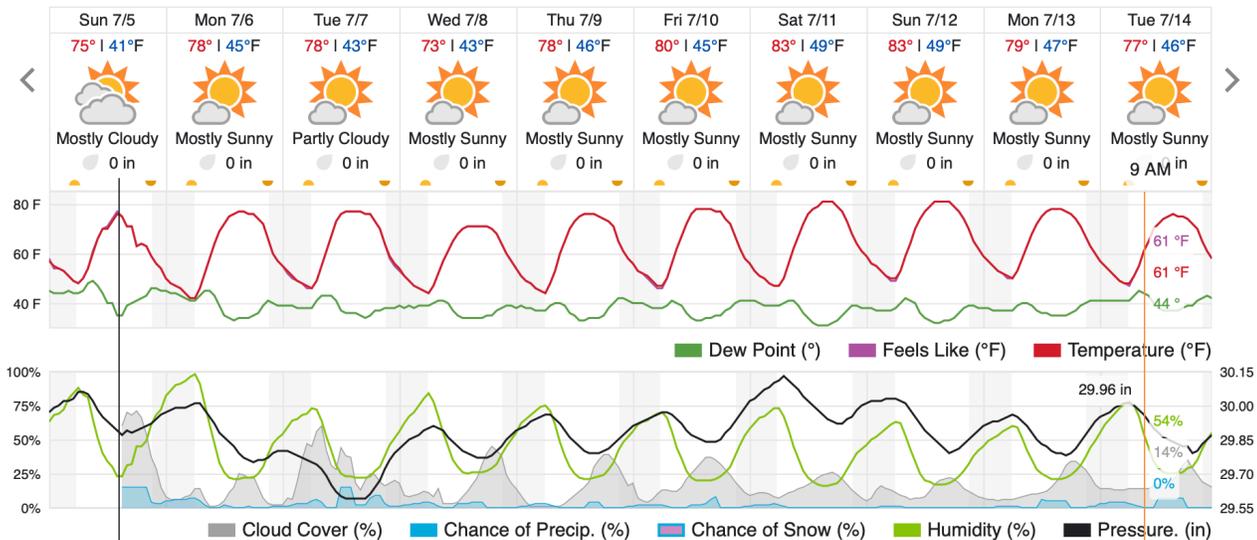
Flown: 0% (0/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 0% (0/1)

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: 20% (17/85)
 Green: 6% (5/85)
 Yellow: 14% (12/85)
 Red: 0% (0/85)

Weather Forecast



Flight Collection Plan for 6-17 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