



Payload 3 Daily Flight Report



Date: 2023-07-03

Flight Campaign ID: P3C1

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

Aircraft: N934MU

Domain: 12 (Northern Rockies)

Sites Flown: YELL (Yellowstone Northern Range)

Days left in Domain: 12

Report Author: Nick

Lidar Operators: Nick

Spectrometer Operators: Cameron

Pilots: Justin, Jon

Flight Hours: 01:54

Hours until maintenance: 110.42

GPS Instruments: 02 - KBZN, U-MAWY, U-P720

Summary

The crew took advantage of our early start in D12 and clear skies this morning. The air shed and 1 priority TOS flight line at YELL were collected under green sky conditions before clouds built up.

GPS-2 was deployed to BZN FBO before the flight this morning.

Concerns

None

Comments

Mike rotates in this evening. Nick rotates out tomorrow.

An electrical adapter was shipped to the P3 crew for D17.

Daily Coverage

Estimated Cloud Cover Key

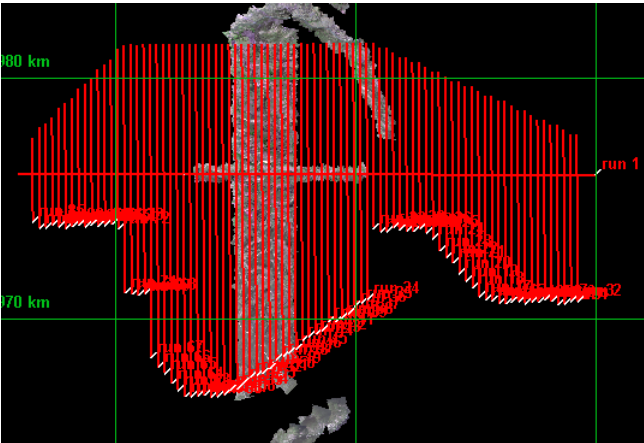
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D12|YELL

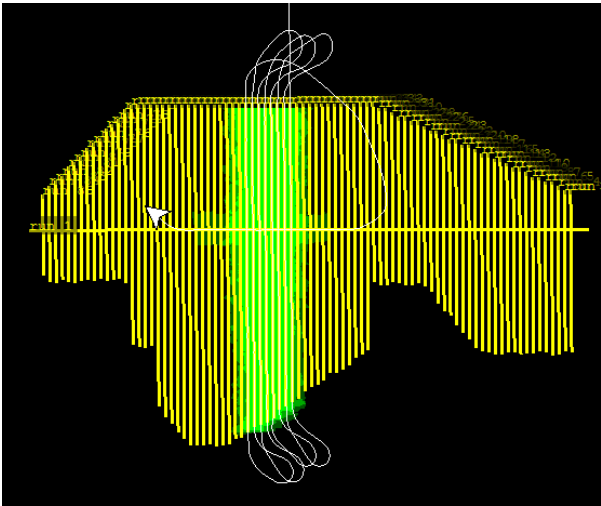
Line #	1	46	47	48	49	50	51	52	53
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover									

Total number of lines flown: 9

Flight Screenshots



2023070313 P3C1 NIS screenshot



2023070313 P3C1 lidar screenshot

Pictures



A view of YELL area

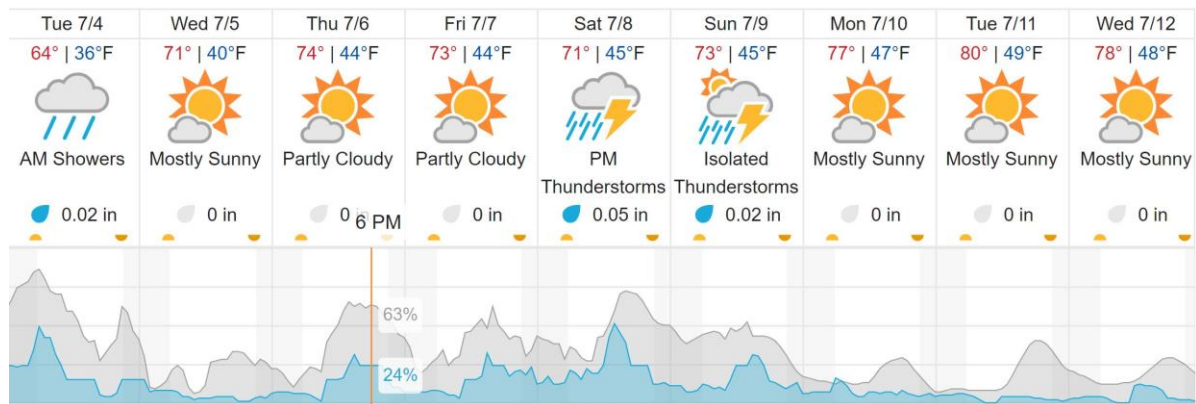
Cumulative Domain Coverage

D12 | YELL (Yellowstone Northern Range)

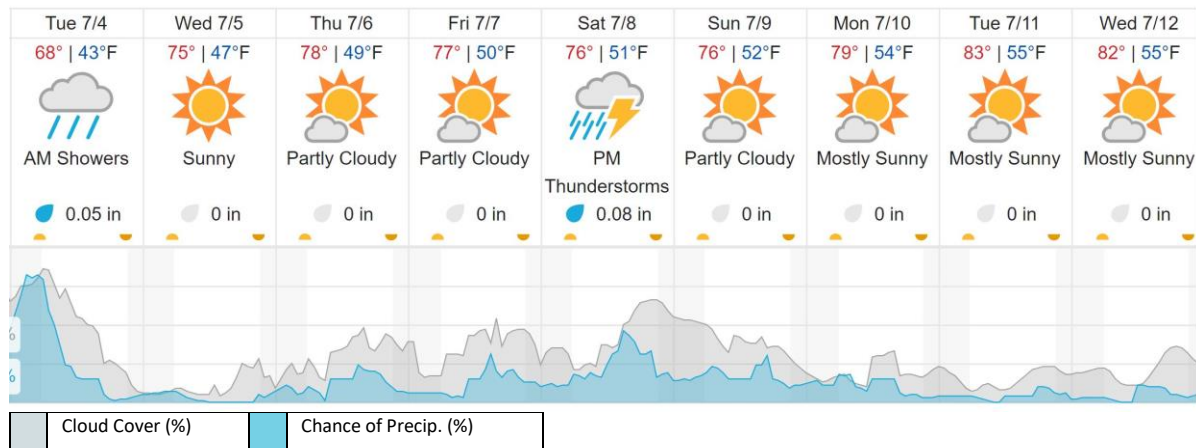
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85															

Flown: 11% (9/85)
Green: 11% (9/85)
Yellow: 0% (0/85)
Red: 0% (0/85)

Weather Forecast Gardiner, MT (YELL)



Bozeman, MT (FBO)



source: wunderground.com

Flight Collection Plan for July 2023

Flyority 1 (If Green)

Collection Area: Yellowstone Northern Range (YELL)

Flight Plan Name: D12_YELL_C1_P1_v3_Q780

On-Station Time: 15:50 UTC/ 09:50 L

Crew: Cameron (Lidar), Mike (NIS)