



Payload 3 Daily Flight Report



Date: 2023-07-11

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: 9

Report Author: Mike

Lidar Operators: Mike

Spectrometer Operators: Mitch

Pilots: Justin, Will

Flight Hours: 01:11

Hours until maintenance: 109.23

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

Summary

Clear skies in the morning and a promising forecast motivated the crew to get in the air today. Unfortunately hopes were quickly dashed with the early arrival of popcorn cumulus clouds throughout the site. The crew attempted to find an area free of clouds, but it was not possible. With a decent forecast for the upcoming time and the schedule extension, it was decided to save collections for clear days rather than continuing collecting in "yellow" conditions.

Concerns

None

Comments

-A radiometric tarp collection is planned for tomorrow morning.

-A replacement Sherpa power unit was received from HQ and will be installed tomorrow.

Daily Coverage

Estimated Cloud Cover Key

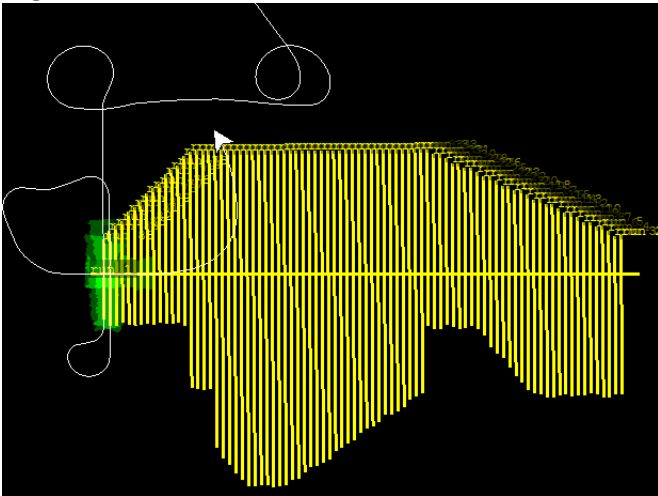
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D12|YELL

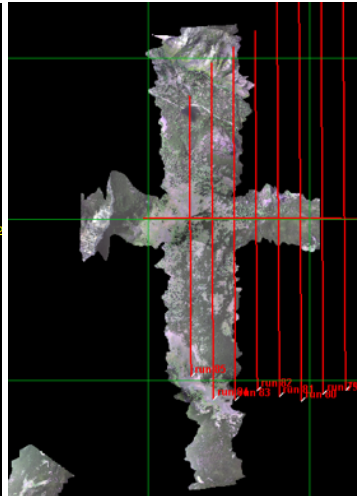
Line #	84	85
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover		

Total number of lines flown: 2

Flight Screenshots



Lidar



NIS

Pictures



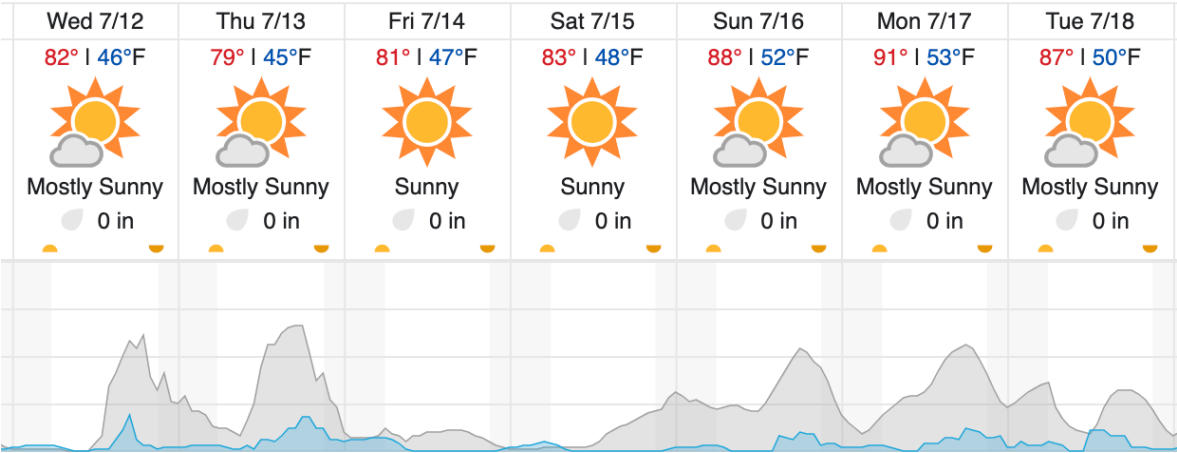
Cumulative Domain Coverage

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: 13% (11/85)
Green: 11% (9/85)
Yellow: 2% (2/85)
Red: 0% (0/85)

Weather Forecast
Gardiner, MT (YELL)



source: wunderground.com

Flight Collection Plan for July 12, 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: Mitch (Lidar), Mike (NIS)