



## Payload 3 Daily Flight Report



**Date:** 2023-07-10

**Flight Campaign ID:** P3C1

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

**Aircraft:** N934MU

**Domain:** 12 (Northern Rockies)

**Sites Flown:** None

**Days left in Domain:** 10

**Report Author:** Mitch

**Lidar Operators:** Mitch

**Flight Hours:** 00:00

**Spectrometer Operators:** Mike

**Hours until maintenance:** 110.42

**Pilots:** Justin, Will

### Summary

The Gallatin Valley was socked in with low clouds this morning, preventing any transit to YELL as the cloud deck was too low to make it over nearby mountain ranges. As the clouds over mountains lifted, clouds began forming over YELL. As the day progressed, convective activity accelerated, eventually leading to late afternoon thunderstorms. No flights were conducted.

### Concerns

None

### Comments

- D12 deployment extended an additional 5 days to allow greater opportunity for green collect. P3 will tentatively plan to transit to Boulder for D10/13 collects on 7/21, unless green coverage is achieved prior.
- Replacement Sherpa that has been in use since D09, died at some point last night. Unsure if the Sherpa unit or the charger is to blame. A third replacement is being overnighted to Belgrade.
- Replacement GPU and cord was delayed in shipment, and should arrive tomorrow.

### 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															

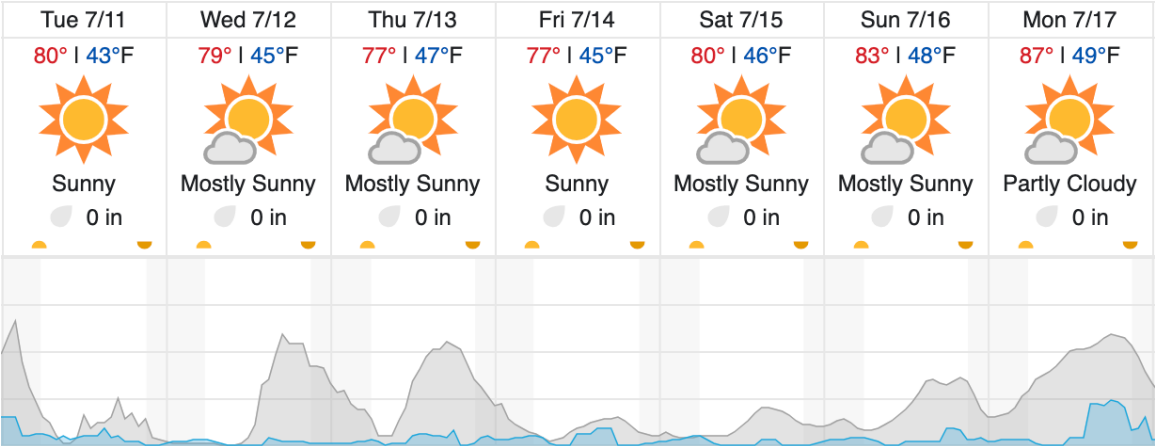
Flown: 11% (9/85)

Green: 11% (9/85)

Yellow: 0% (0/85)

Red: 0% (0/85)

**Weather Forecast**  
Gardiner, MT (YELL)



source: wunderground.com

**Flight Collection Plan for July 11, 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:** Mike (Lidar), Mitch (NIS)