



Payload 1 Daily Flight Report



Date: 2022-06-21

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 12 (Northern Rockies)

Sites Flown: None

Days left in Domain: 9

Report Author: Mitch

Lidar Operators: Mitch

Flight Hours: 00:00

Spectrometer Operators: Cameron **Hours until maintenance:** 47.33

Pilots: Justin, Jeremy

Summary

After two days of heavy rain and storms, the skies finally opened up in D12 today to welcome the first day of summer. Crew initially thought we might have a window for flights, but cumulus clouds were spotted forming over ridgelines in Yellowstone National Park webcams, as well as nearby ridges to Bozeman that would have interfered with our ability to fly lines at our intended flight altitudes. As the morning progressed, those cumulus clouds continued building and spreading, likely connected to the large amounts of precipitation that was dropped over the past two days. Warmer and dryer conditions are expected to occur tomorrow and Thursday, which has the crew hopeful for a first flight in D12.

Concerns

None

Comments

- Crew met with the airport manager and were able to nail down a more permanent location for our GPS at KBZN.
- Hg Lamp collect was conducted.
- Happy Summer Solstice!

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															

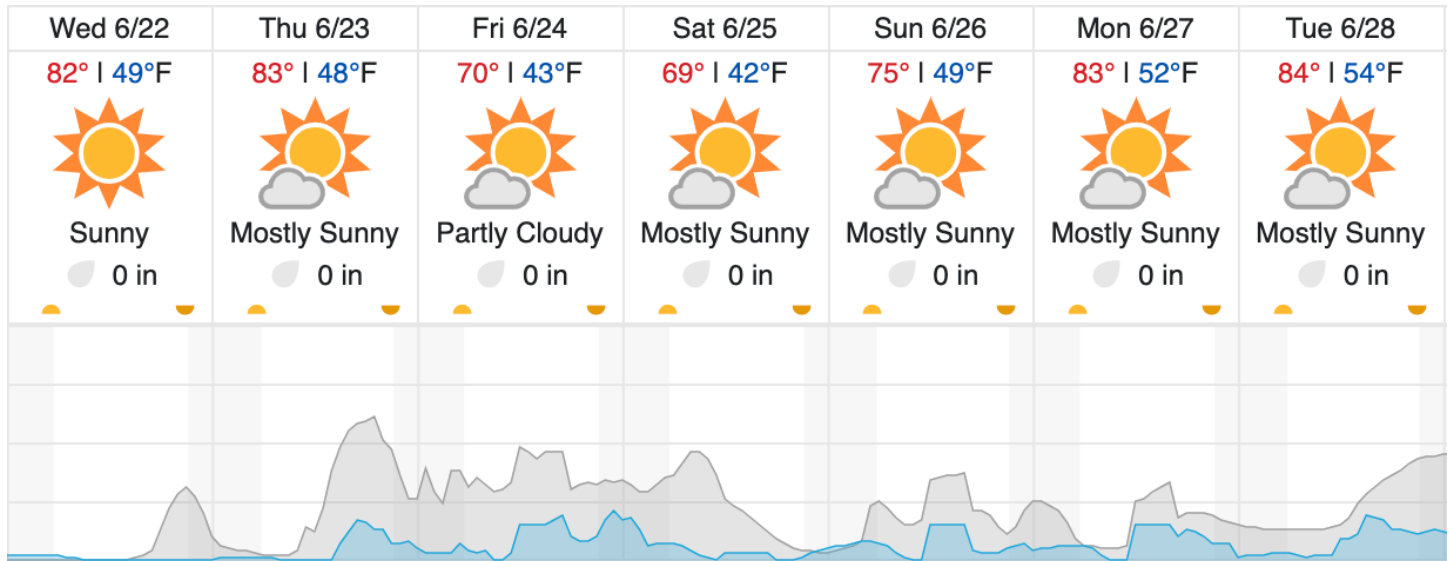
Flown: 0% (0/85)

Green: 0% (0/85)

Yellow: 0% (0/85)

Red: 0% (0/85)

Weather Forecast



Gardiner, MT

Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 22 June 2022

Flyority 1

Collection Area: Yellowstone Northern Range (YELL)

Flight Plan Name: D12_YELL_C1_P1_v4_650AGL_Max_PRM.xml

On-station Time: 1540 UTC / 0940 L

Flyority 2

Collection Area: Nominal Runway – D12

Flight Plan Name: D12_N12A_Nominal_Runway_Test_v1_PRM.xml

On-station Time: N/A