



July 19, 2019 Payload 1 Daily Flight Report



Date: 2019-07-19

Flight Campaign ID: 2019_P1C1

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

Domain: 12

Sites Flown: None

Days left in Domain: 9

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, John Adler

Flight Hours: 00:00

Ground/GPS:

Hours until maintenance: 93.35

Pilots: Chad Evans, David Little

Additional Personnel:

GPS Instruments:

Summary

While mostly clear skies remained over Bozeman for most of the day, an upper level cloud formation remained over the Northern Yellowstone Range (southeast of Bozeman) preventing any opportunity of a clear sky, green collect. No flights were attempted.

Concerns

- Flight following fuse was pulled this morning. We suspect the fuse has been in since payload installation a few weeks ago, which may impact post-processing of previously collected Payload 1 data.
- External GPS station U-MAWY hasn't been uploading new data since Tuesday. We suspect a connectivity issue but are reaching out to our UNAVCO contacts to confirm this.

Comments

- GPS 05 was set up at the KBZN FBO.
- Hotel kit 1 was set up and is now online.
- Discussed needed coordination with Yellowstone National Park EOC officials for upcoming flights.

Cumulative Domain Coverage

N12A

1

Flown: 0% (0/1)

Green: 0% (0/1)

Yellow: 0% (0/1)

Red: 0% (0/1)

YELL

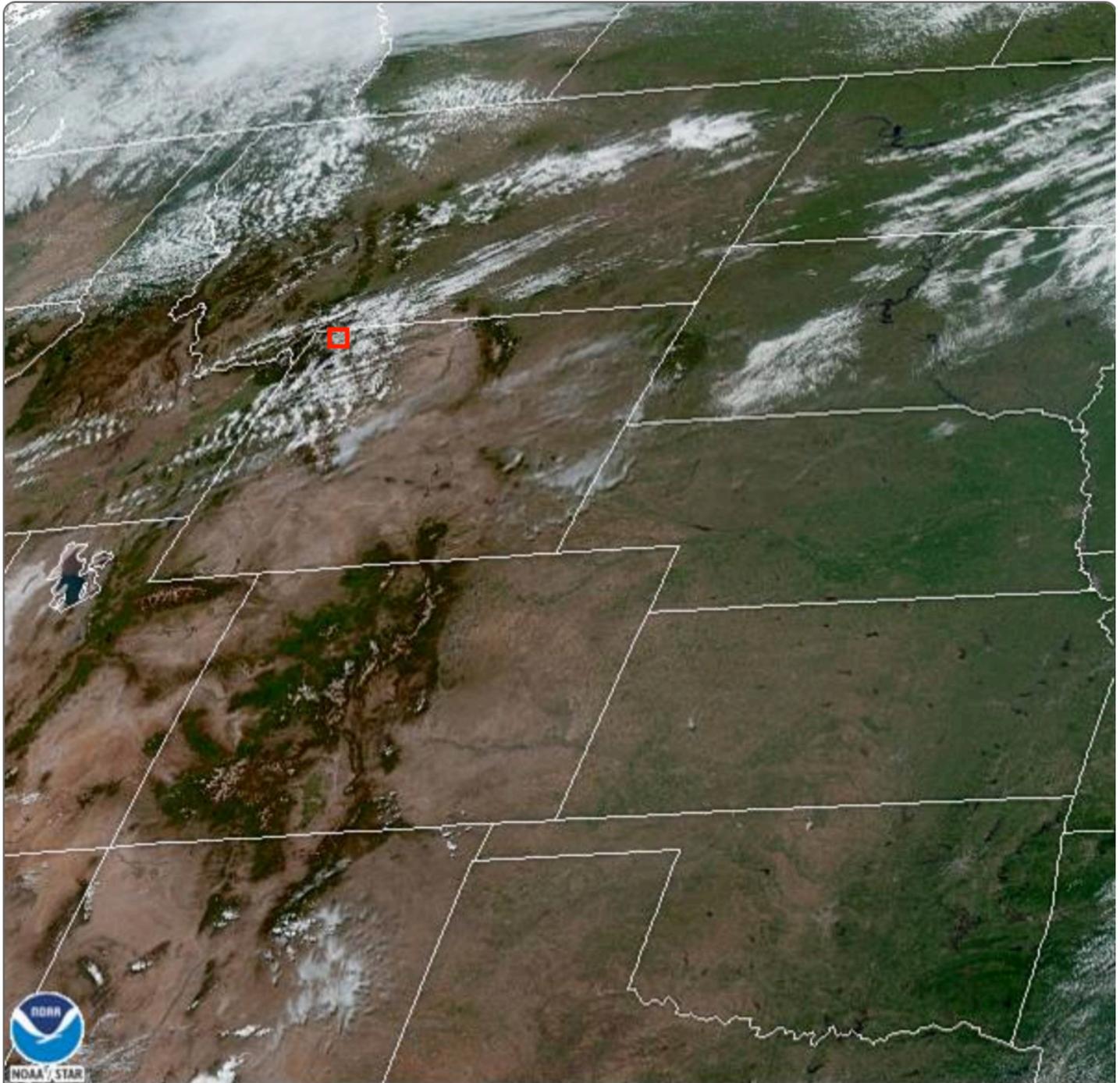
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

81	82	83	84	85
----	----	----	----	----

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

Screenshots

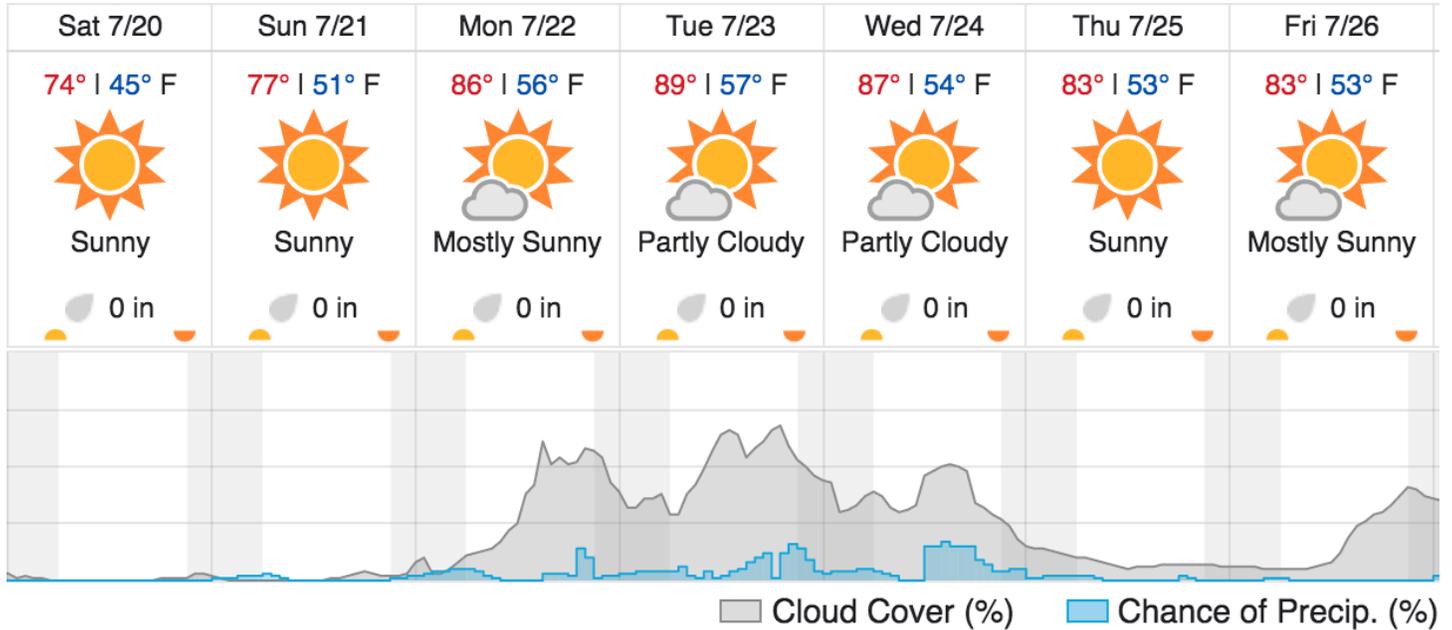
GeoColor - True Color daytime, multispectral IR at night - 19 Jul 2019 - 1746 UTC



Above: Rough location of YELL Flight Box outlined. Satellite imagery corroborated by Yellowstone National Park Webcams.

Weather Forecast

Bozeman, MT



Flight Collection Plan for 20 July 2019

Flyority 1 (Flight Priority 1):

Collection Area: Yellowstone Northern Range (YELL)

Flight Plan Name: D12_YELL_C1_P1_v4_650AGL_Max.pln

On-Station Time: 1600 UTC / 1000 L

Crew: John Adler (Lidar), Mitch Haynes (NIS/GPS)