



## July 25, 2019 Payload 1 Daily Flight Report



**Date:** 2019-07-25

**Flight Campaign ID:** 2019\_P1C1

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

**Domain:** 12

**Sites Flown:** YELL (Yellowstone Northern Range)

**Days left in Domain:** 3

**Report Author:** John Adler

**Flight Crew:** John Adler, Mitch Haynes

**Flight Hours:** 03:03

**Hours until maintenance:** 76.57

**Pilots:** Chad Evans, Shelby Schulz

**Additional Personnel:**

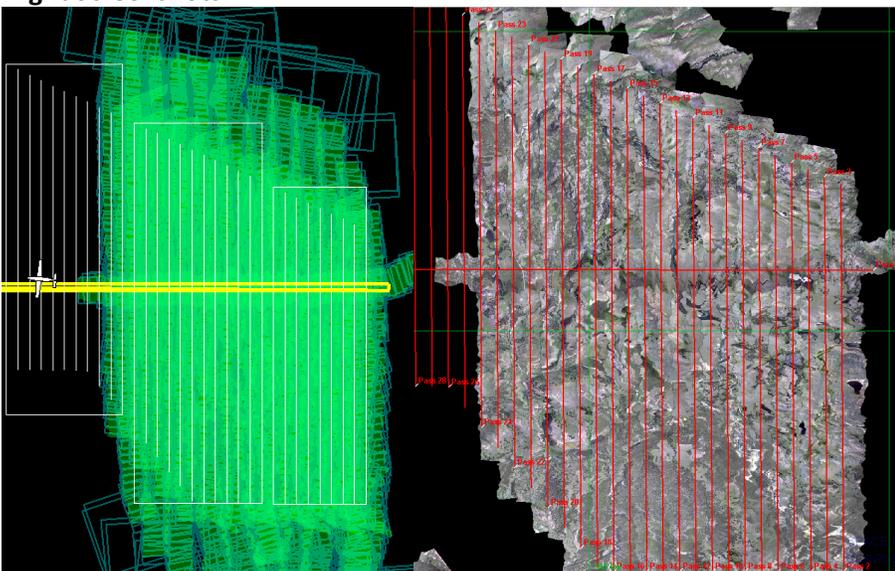
**GPS Instruments:** 05 - FBO-KBZN, U-MAWY, U-P720

**Summary:** Today we flew under Green sky conditions and completed all the YELL site lines under Green. Flight lines were flown under the updated lidar flight plan.

**Concerns:** No new issues.

**Comments:** The new insulated hose covers were installed on the plane. Tomorrow there will be a tour of the plane for the D-12 Staff. Ivana to arrive tomorrow evening. Continued to finalize the hangar plans for the stop-over in Columbus, Ohio.

### **Flight Screenshots:**



Lidar Screenshot lines 1-23

NIS Screenshot lines 1-23

**Pictures:**



The Yellowstone River

**Daily Coverage**

D12 YELL	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC

	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
Flown:	23							

**Cumulative Domain Coverage**

**N12A**

1
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Flown: 100% (1/1)  
 Green: 100% (1/1)  
 Yellow: 0% (0/1)  
 Red: 0% (0/1)

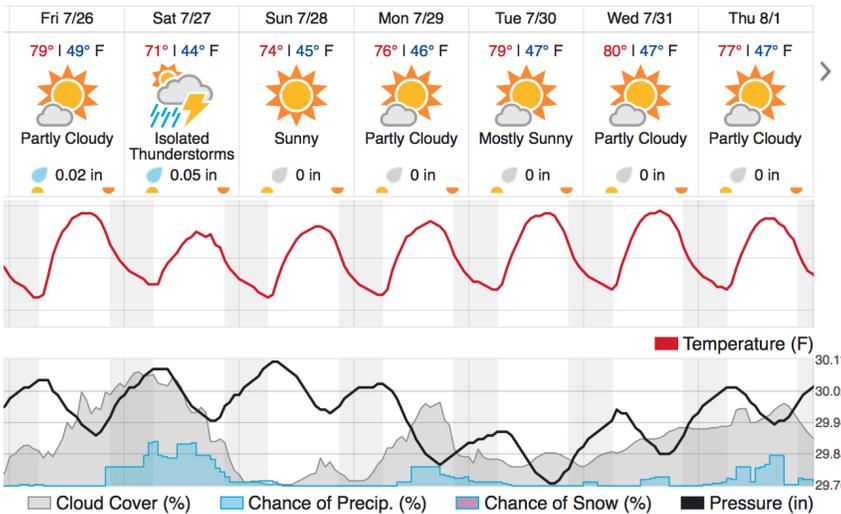
**YELL**

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															

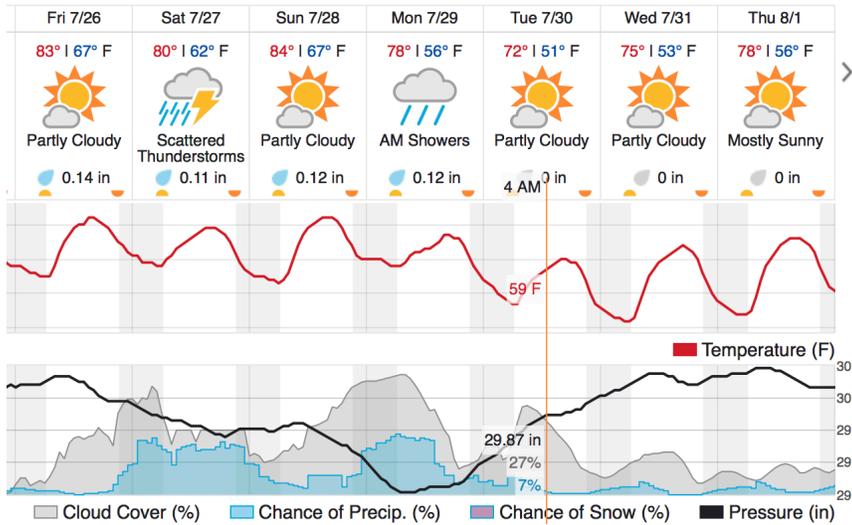
Flown: 100% (85/85)  
 Green: 104% (88/85)  
 Yellow: 18% (15/85)  
 Red: 9% (8/85)

**Weather Forecast:**

**Yellowstone, WY**



## Pellston, MI



### Flight Collection Plan for 26 July 2019

Flyority 1 (Flight Priority 1): Stand by for the re-fly of any erroneous flight lines.

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)

### Flight Collection Plan for 29 July 2019

Transit to Pellston, MI via overnight at Rhinelander, WI.

Crew: John Adler