



July 22, 2019 Payload 1 Daily Flight Report

Date: 2019-07-22

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: 6

Report Author: John Adler

Flight Crew: John Adler, Mitch Haynes

Ground/GPS: n/a

Pilots: Chad Evans, Shelby Schulz

Additional Personnel: none.

Flight Hours: 03:19

Hours until maintenance: 79.62

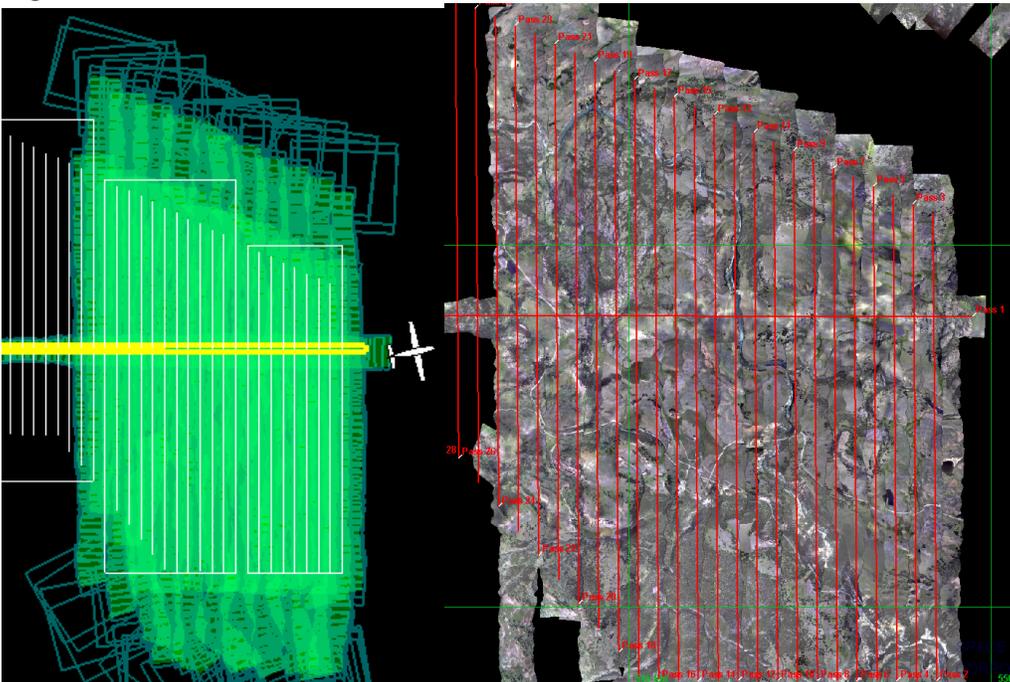
GPS Instruments: 05 - FBO-KBZN, U-MAWY, U-P720

Summary: Today's flight had higher stratus clouds, resulting in Yellow and Red data for the eastern portion of Yellowstone, however all Yellowstone lines have now been flown.

Concerns: Potential problems with the POS logging data > 4.5 hours, Lab has been apprised. Verizon on the Teldat appears to be marginal, using the ATT connection from here on.

Comments: Conducted the Mercury Lamp collection after the flight.

Flight Screenshots:



Lidar Screenshot

NIS Screenshot

Pictures



A small lake tucked in the mountains enroute to Yellowstone.

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

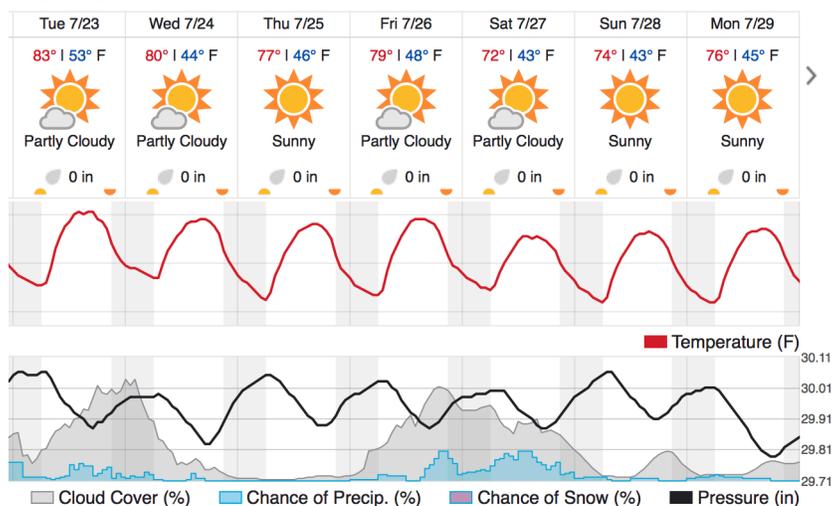
Flown: 100% (1/1)
 Green: 100% (1/1)
 Yellow: 0% (0/1)
 Red: 0% (0/1)

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: 76% (65/85)
 Yellow: 18% (15/85)
 Red: 9% (8/85)

Weather Forecast



Flight Collection Plan for 23 July 2019

Flyority 1 (Flight Priority 1):
 Collection Area: Yellowstone Northern Range (YELL) lines 2-23 if there are Green conditions.
 Flight Plan Name: D12_YELL_C1_P1_v4_650AGL_Max.pln
 On-Station Time: 1600 UTC / 1000 L
 Crew: Mitch Haynes (Lidar), John Adler (NIS/GPS)