



June 14, 2019 Payload 2 Daily Flight Report



Date: 2019-06-14

Flight Campaign ID: 2019_P2C1

Airport, FBO ID, City: Fresno Yosemite International Airport (KFAT) - Fresno, CA

Domain: 17

Sites Flown: SOAP (Soaproot Saddle), TEAK_P1 (Teakettle Priority 1)

Days left in Domain: 3

Report Author: Abe Morrison

Flight Crew: Elissa Barris, Abe Morrison

Ground/GPS: None

Pilots: Chad Evans, Justin Eddington

Additional Personnel:

GPS Instruments: AOP_TEAK, U-MUSB, U-P311, U-P572, 02 - FBO_KFAT

Flight Hours: 03:32

Hours until maintenance: 110.92

Summary

The crew again took to the sky and flew east to the beautiful mountains. With clear skies over the TEAK site, they were able to collect 13 of the airshed priority lines in green Sky conditions (less than 10% cloud cover). When the low cumulus clouds started forming at TEAK the crew shifted focus back to the SOAP site where it was still green sky conditions. Another 9 lines were collected there.

Concerns

--The camera computer crashed again on this flight. It seems to be having this issue more frequently now.

--The fuel gauges in the Otter are causing concern to the pilots and the beta system issue for the props has recurred. Neither of which will ground the plane but a mechanic from TOIL will arrive on Monday to perform maintenance after flights that day.

Comments

--Cameron Chapman departed today and Mitch Haynes arrives to replace him.

Pictures

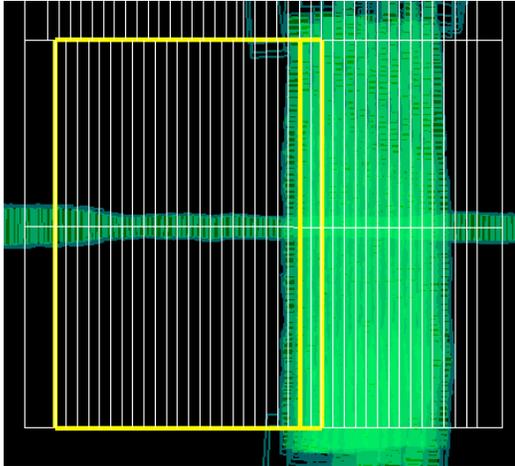


Wishon Reservoir in the Sierra National Forrest near the TEAK site. Photo By Abe Morrison

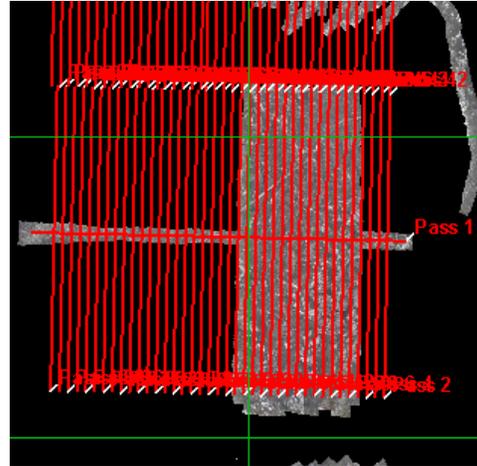
Flight Screenshots

TEAK

LIDAR

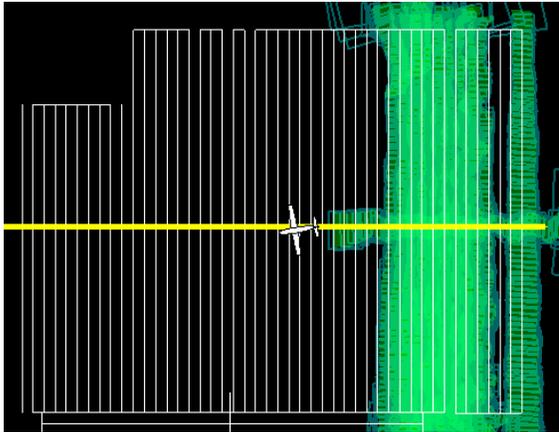


NIS

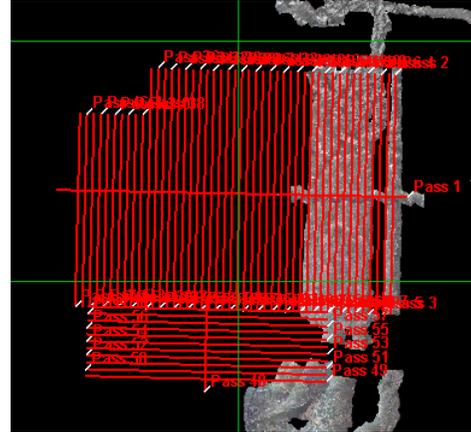


SOAP

LIDAR



NIS



Daily Coverage

D17 SOAP	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				×	✓	✓	LC
	2				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
Flown:	10							

D17 TEAK_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				×	✓	✓	LC
	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
Flown:	14							

Cumulative Domain Coverage

SOAP

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																			

Flown: 83% (34/41)
 Green: 83% (34/41)
 Yellow: 27% (11/41)
 Red: 22% (9/41)

TEAK_P1

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

Flown: 32% (13/40)
 Green: 32% (13/40)
 Yellow: 0% (0/40)
 Red: 0% (0/40)

TEAK_P2

41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63																	

Flown: 0% (0/23)
 Green: 0% (0/23)
 Yellow: 0% (0/23)
 Red: 0% (0/23)

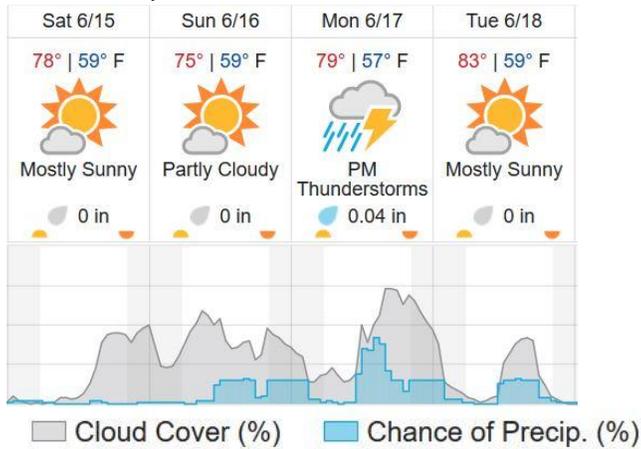
TEAK_P3

63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
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Flown: 0% (0/19)
 Green: 0% (0/19)
 Yellow: 0% (0/19)
 Red: 0% (0/19)

Weather Forecast

Shaver Lake, CA



Flight Collection Plan for 15 June 2019

Flyority1:

Collection Area: Soaproot Saddle (SOAP)

Lines 3-5 & 38-41

Flight Plan Name: D17_SOAP_R1_P1_P2_P3_v5.pln

On Station Time: 09:20 L / 16:20 UTC

Flyority2:

Collection Area: Teakettle (TEAK)

Lines 2-5 & 19-40

Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v4.pln

On Station Time: 09:20 L / 16:20 UTC

Flyority3:

Collection Area: Teakettle (TEAK) – Priority 2 Flight Box

Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v4.pln

On Station Time: 09:20 L / 16:20 UTC

Flyority4:

Collection Area: Teakettle (TEAK) – Priority 3 Flight Box

Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v4.pln

On Station Time: 09:20 L / 16:20 UTC

Flyority5:

Collection Area: Soaproot Saddle (SOAP) – Priority 2 Flight Box

Flight Plan Name: D17_SOAP_R1_P1_P2_P3_v5.pln

On Station Time: 09:20 L / 16:20 UTC

Flyority6:

Collection Area: Soaproot Saddle (SOAP) – Priority 3 Flight Box

Flight Plan Name: D17_SOAP_R1_P1_P2_P3_v5.pln

On Station Time: 09:20 L / 16:20 UTC

Crew: Ellisa Barris (Lidar), Abe Morrison (NIS), Mitch Haynes (Trainer)

Flight Collection Plan for 16 June 2019

Flyority 1 – 6 Same as previous day

Crew: Mitch Haynes (Lidar), Ellisa Barris (NIS), Abe Morrison (Ground)