



June 15, 2019 Payload 2 Daily Flight Report



Date: 2019-06-15

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: 2

Report Author: Elissa Barris

Flight Crew: Elissa Barris, Abe Morrison, Mitch Haynes

Ground/GPS: None

Pilots: Justin Eddington, Chad Evans

Additional Personnel: None

GPS Instruments: 00 - AOP_TEAK, 00 - U-MUSB, 00 - U-P311, 00 - U-P572, 02 - FBO_KFAT

Flight Hours: 03:48

Hours until maintenance: 107.12

Summary

Green sky conditions this morning allowed us to complete the remaining three lines in the SOAP priority 1 box. We then collected ten more lines at TEAK before cloud cover worsened to yellow. Returning to SOAP, all of the priority 2 box and part of the priority 3 box were collected in yellow to red conditions.

Concerns

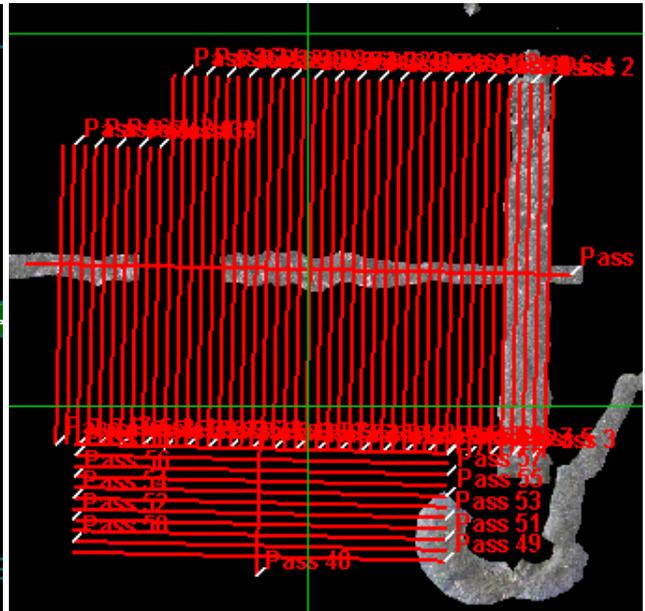
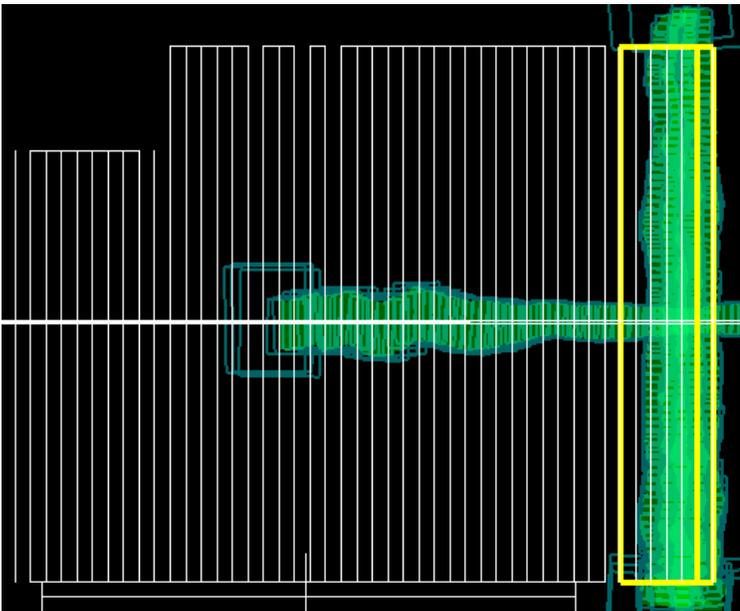
Camera software crashed at the end of the flight, after logging was complete (same time as yesterday's flight). Twin Otter fuel gauges and prop beta system still causing concerns. TOIL mechanic will investigate on Monday.

Comments

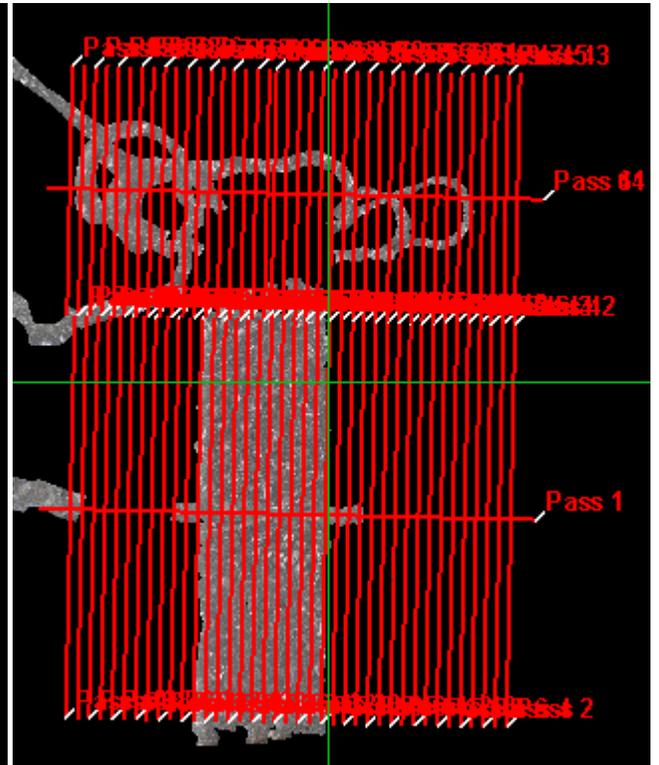
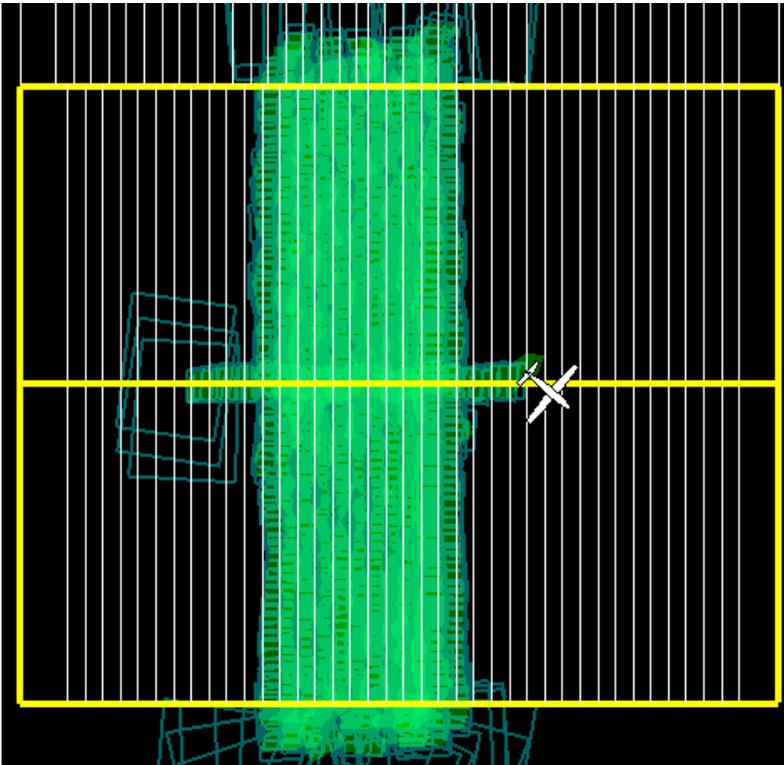
Shipping RAID disc 12 today.

Flight Screenshots

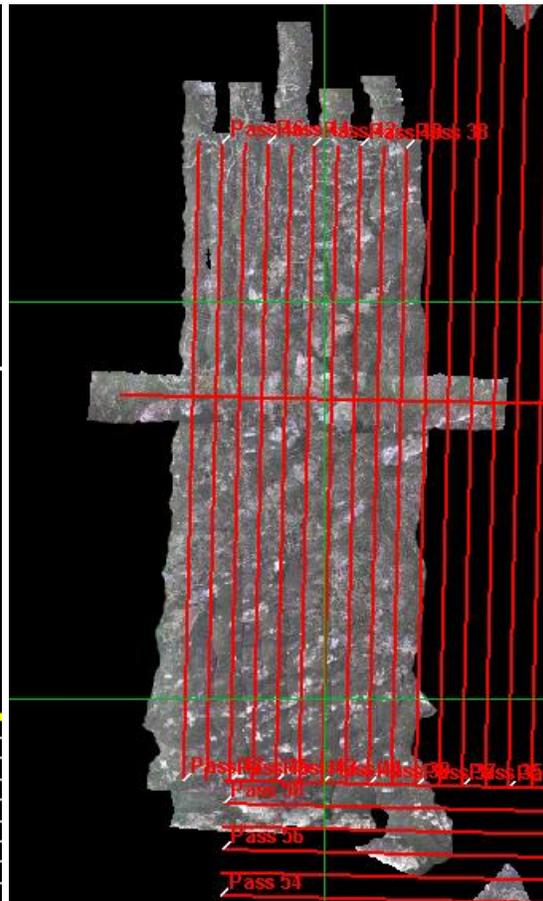
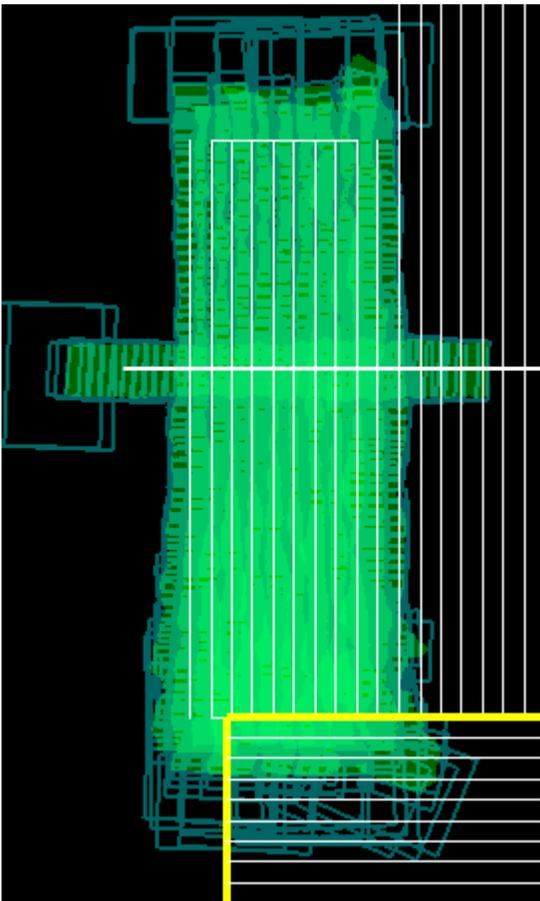
SOAP P1



TEAK P1



SOAP P2



Pictures



A raging river running through the TEAK site. Photo by Mitch Haynes.

Daily Coverage

D17 SOAP	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
	39				✓	✓	✓	NLC
	40				✓	✓	✓	NLC
	41				✓	✓	✓	NLC
	42				✓	✓	✓	NLC
	43				✓	✓	✓	NLC
	44				✓	✓	✓	NLC
	45				✓	✓	✓	NLC
	46				✓	✓	✓	NLC
	47				✓	✓	✓	NLC
	48				✓	✓	✓	NLC
	56				✓	✓	✓	NLC
	57				✓	✓	✓	NLC
	58				✓	✓	✓	NLC
	59				✓	✓	✓	NLC
Flown:	19							

D17 TEAK_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
Flown:	11							

Cumulative Domain Coverage

N17A



1

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

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: 127% (52/41)
 Green: 93% (38/41)
 Yellow: 51% (21/41)
 Red: 37% (15/41)

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: 60% (24/40)
 Green: 57% (23/40)
 Yellow: 2% (1/40)
 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)

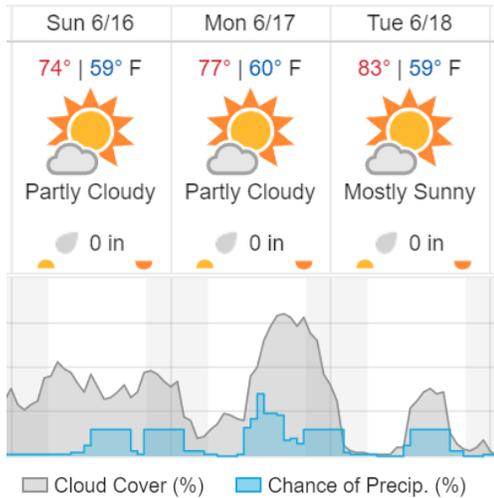
TEAK_P3

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 (SOAP)



Flight Collection Plan for 16 June 2019

Flyority1:

Collection Area: Teakettle (TEAK)

Lines 2-5 & 29-40

Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v4.pln

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

Flyority2:

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

Lines 49-55

Flight Plan Name: D17_SOAP_R1_P1_P2_P3_v5.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

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

Flight Collection Plan for 17 June 2019

Flyority 1 – 5 Same as previous day

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