



June 16, 2019 Payload 2 Daily Flight Report



Date: 2019-06-16

Flight Campaign ID: 2019_P2C1

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

Domain: 17

Sites Flown: N17A (D17 Nominal Runway), TEAK_P2 (Teakettle Priority 2), SOAP_P3 (Soaproot Saddle Priority 3)

Days left in Domain: 1

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Mitch Haynes

Flight Hours: 04:07

Ground/GPS: Elissa Barris

Hours until maintenance: 103.00

Pilots: Chad Evans, Mark Solper

Additional Personnel:

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

Summary

The crew took off this morning under partly cloudy skies, and it didn't get much better as the day progressed. They collected the lower priority flight boxes with tomorrow mornings clear forecast in mind. 8 lines were completed at the SOAP P2 box under "red" sky conditions, which completes the initial coverage at that site. Then another 22 lines were completed at the TEAK P2 flight box, also under "red" conditions. But the crew wasn't done yet.... The Nominal runway calibration plan was flown on arrival back at the Fresno airport to end the day's flight.

Concerns

The Twin Otter fuel gauges and prop beta systems are still causing concerns. A TOIL mechanic will arrive here and investigate on Monday after the conclusion of the day's flight operations.

Comments

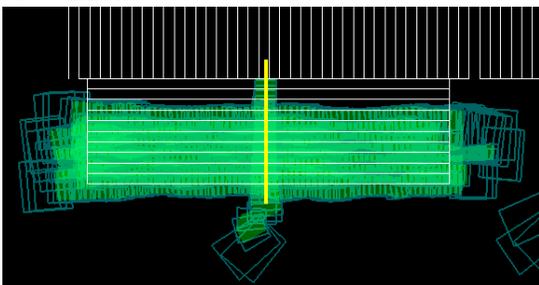
--The Mercury lamp test was run today.

--Pilot Justin Eddington rotated out and was replaced by Mark Solper.

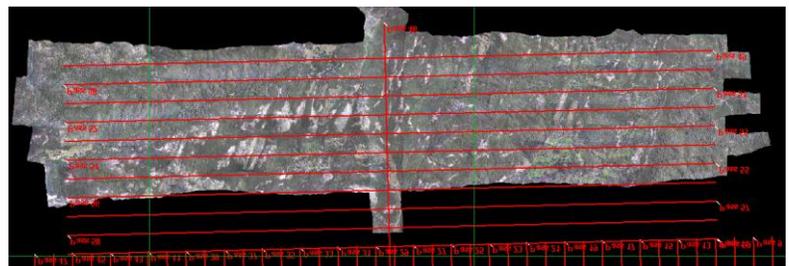
--Pilot Chad Evans will also rotate out today and will be replaced by Stephen Brawdgers.

Flight Screenshots

SOAP LIDAR

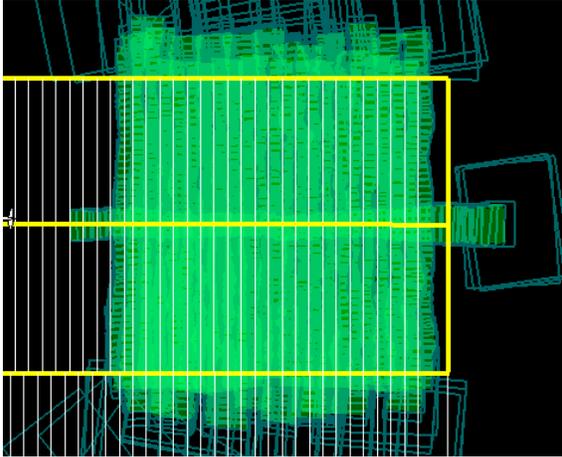


NIS

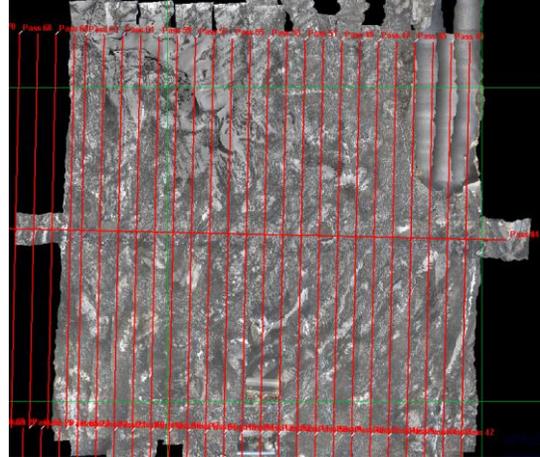


TEAK

LIDAR

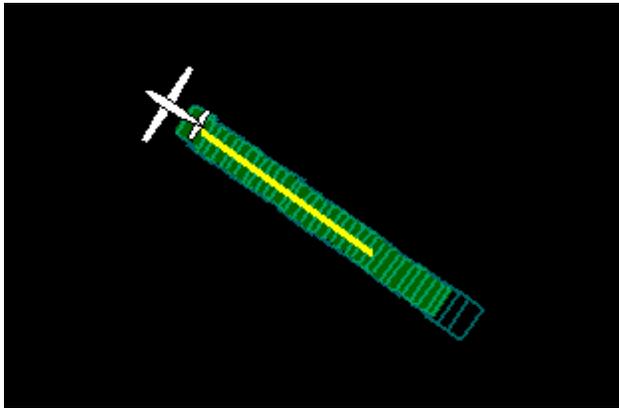


NIS

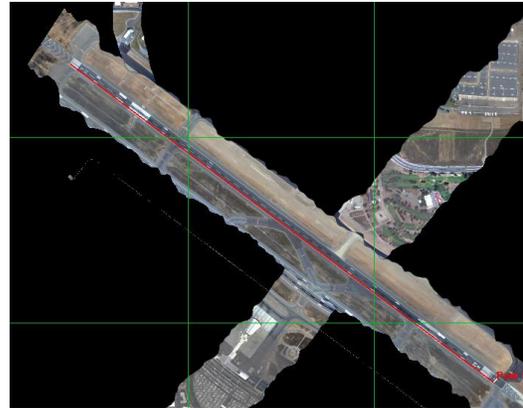


N17A

LIDAR



NIS



Daily Coverage

D17 N17A	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
Flown:	1							
D17 SOAP_P3	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	48				✓	✓	✓	NLC
	49				✓	✓	✓	NLC
	50				✓	✓	✓	NLC
	51				✓	✓	✓	NLC
	52				✓	✓	✓	NLC
	53				✓	✓	✓	NLC
	54				✓	✓	✓	NLC
	55				✓	✓	✓	NLC
Flown:	8							

D17 TEAK_P2	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	41				✓	✓	✓	NLC
	42				✓	✓	✓	NLC
	43				✓	✓	✓	NLC
	44				✓	✓	✓	NLC
	45				✓	✓	✓	NLC
	46				✓	✓	✓	NLC
	47				✓	✓	✓	NLC
	48				✓	✓	✓	NLC
	49				✓	✓	✓	NLC
	50				✓	✓	✓	NLC
	51				✓	✓	✓	NLC
	52				✓	✓	✓	NLC
	53				✓	✓	✓	NLC
	54				✓	✓	✓	NLC
	55				✓	✓	✓	NLC
	56				✓	✓	✓	NLC
	57				✓	✓	✓	NLC
	58				✓	✓	✓	NLC
	59				✓	✓	✓	NLC
	60				✓	✓	✓	NLC
	61				✓	✓	✓	NLC
	62				✓	✓	✓	NLC
	63				✓	✓	✓	NLC
Flown:	23							

Cumulative Domain Coverage

N17A



1

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

SOAP_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			

Flown: 100% (37/37)
 Green: 103% (38/37)
 Yellow: 30% (11/37)
 Red: 27% (10/37)

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: 100% (23/23)
Green: 0% (0/23)
Yellow: 0% (0/23)
Red: 100% (23/23)

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)

SOAP_P2

38	39	40	41	42	43	44	45	46	47
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Flown: 100% (10/10)
Green: 0% (0/10)
Yellow: 100% (10/10)
Red: 0% (0/10)

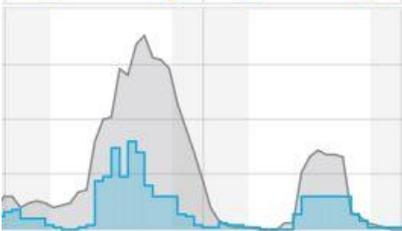
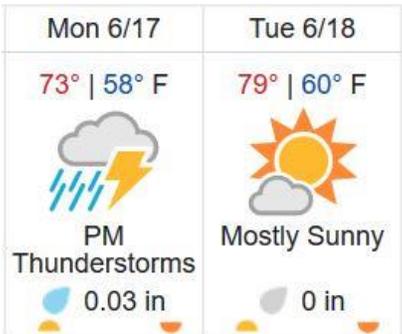
SOAP_P3

48	49	50	51	52	53	54	55	56	57	58	59
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Flown: 100% (12/12)
Green: 0% (0/12)
Yellow: 0% (0/12)
Red: 108% (13/12)

Weather Forecast

Shaver Lake, CA



Cloud Cover (%) Chance of Precip. (%)

Flight Collection Plan for 17 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

If Green Sky Conditions

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

If Green Sky Conditions

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

Flight Collection Plan for 18 June 2019

Begin Transit to D19

Crew: Mitch Haynes