



June 12, 2018 Payload 2 Daily Flight Report



Date: 2018-06-12

Flight Campaign ID: 2018_P2C1

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

Domain: 00, 17

Sites Flown: SOAP (Soaproot Saddle), TRAIN (Training)

Days left in Domain: 14

Report Author: Nick Marusich

Flight Crew: Nick Marusich, Michael Wussow, Cameron Chapman

Flight Hours: 02:34

Ground/GPS: David Gambino

Hours until maintenance: 34.03

Pilots: Stephen Brawders, Jeff Quintanilla

Additional Personnel:

GPS Instruments: 01 - FBO_KFAT, U-MUSB

Summary

SOAP collection was complete under Green conditions. Nick Marusich completed his Optech Lidar check ride.

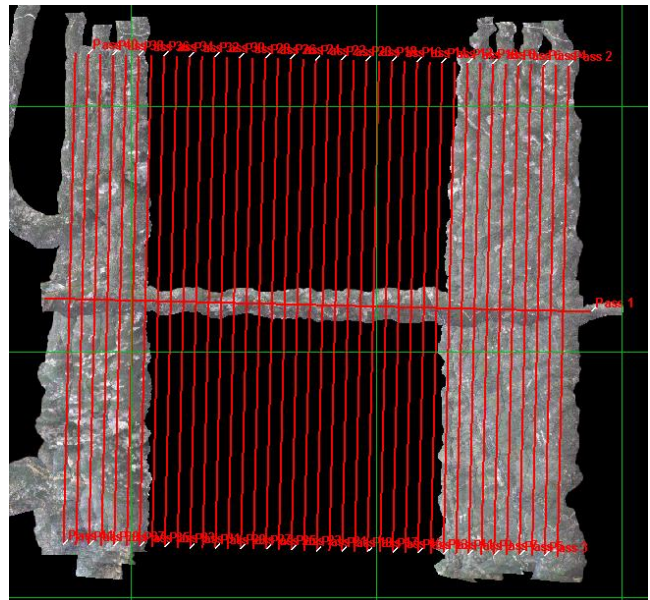
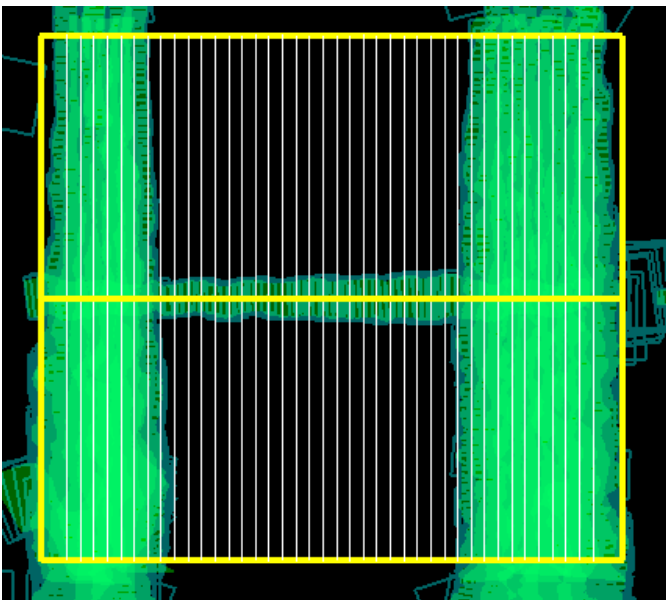
Concerns

Pilot display froze twice today but was resolved with a power cycle.

Comments

Nick Marusich returns to Boulder from D17. Tomorrow will be a no-fly day to deploy GPS station to TEAK site while decision to collect early is made.

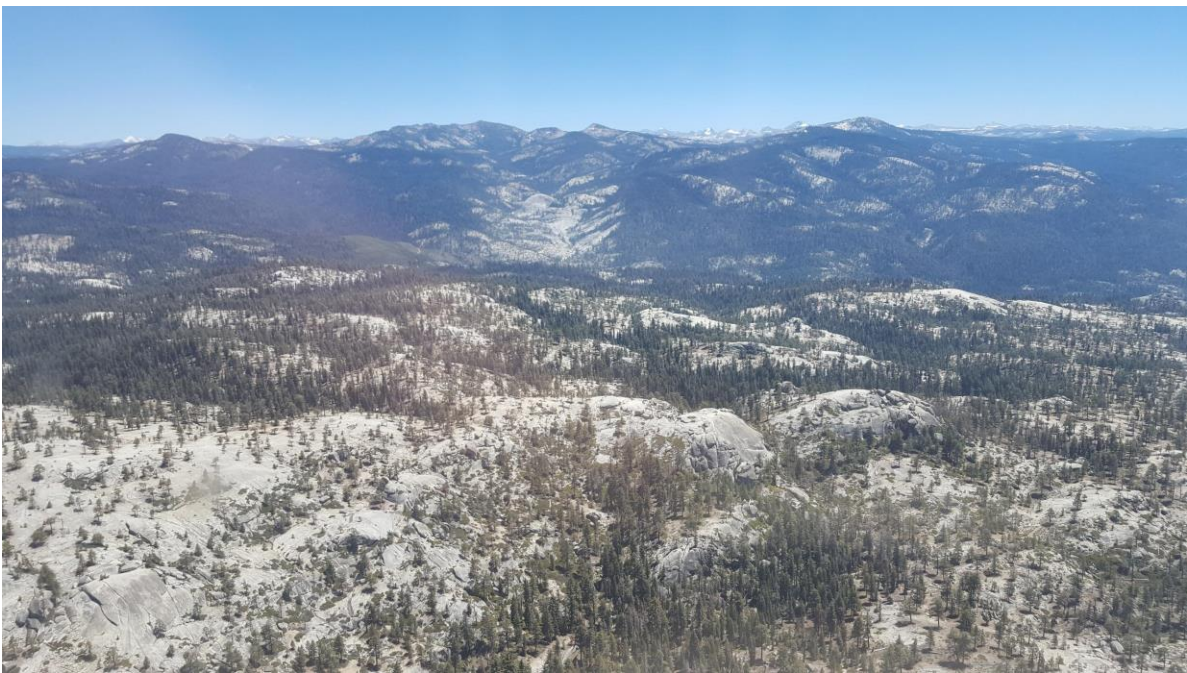
Flight Screenshots



Pictures



Above: Shaver Lake and recreation opportunities / Below: Sierra Nevada mountains



Daily Coverage

D17 SOAP	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✗	✓	NC
	6				✓	✓	✓	NLC

	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
	37				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
	39				✓	✓	✓	NLC
	40				✓	✓	✓	NLC
	41				✓	✓	✓	NLC
Flown:	16							

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: 100% (41/41)
 Green: 105% (43/41)
 Yellow: 0% (0/41)
 Red: 0% (0/41)

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: 0% (0/40)
 Green: 0% (0/40)
 Yellow: 0% (0/40)
 Red: 0% (0/40)

TEAK_P2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23																	

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

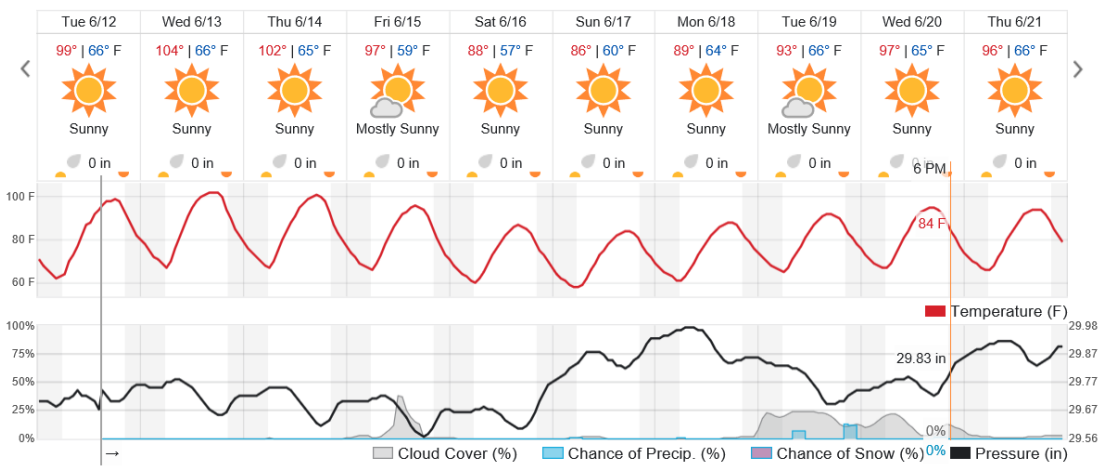
TEAK_P3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----

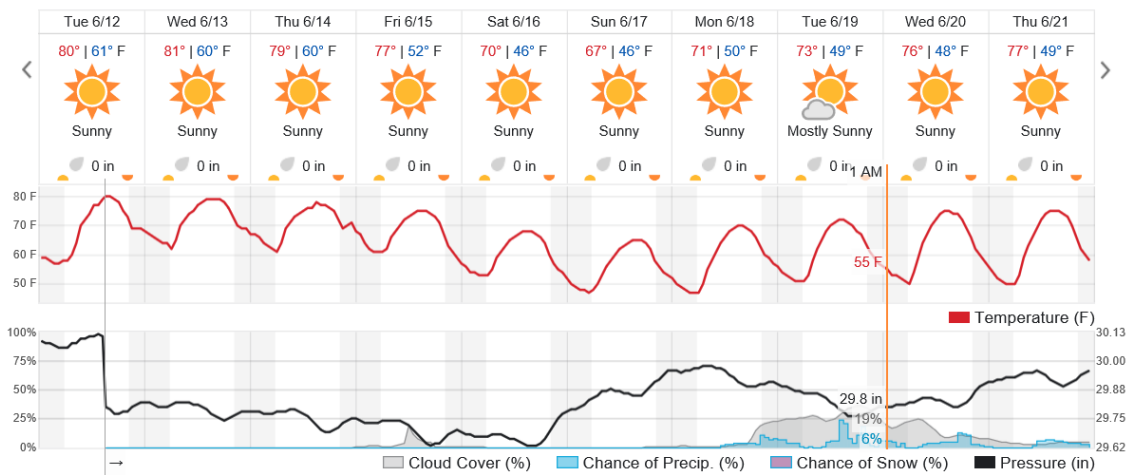
Flown: 0% (0/19)
 Green: 0% (0/19)
 Yellow: 0% (0/19)
 Red: 0% (0/19)

Weather Forecast

Fresno CA



Shaver Lake CA (near TEAK)



Flight Collection Plan for 13 June 2018

Collection area: Teakettle (TEAK) – Priority Flight 1 Flight Box
 Flight Plan Name: D17_TEAK_R2_P1_v3.pln
 On-station Time: 1620 UTC / 0920 L

Collection area: Teakettle (TEAK) – Priority Flight 2 Flight Box
 Flight Plan Name: D17_TEAK_R2_P2_v3.pln
 On-station Time: 1620 UTC / 0920 L

Collection area: Teakettle (TEAK) – Priority Flight 3 Flight Box
 Flight Plan Name: D17_TEAK_R2_P3_v3.pln
 On-station Time: 1620 UTC / 0920 L

Collection area: Nominal Runway – Priority Flight 4
 Flight Plan Name: D17__N17A_Nominal_Runway_Test_v1.pln
 On-station Time: TBD

Crew: Lidar- Michael Wussow, NIS- David Gambino, Ground- Cameron Chapman