



## June 11, 2018 Payload 2 Daily Flight Report



**Date:** 2018-06-11

**Flight Campaign ID:** 2018\_P2C1

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

**Domain:** 17

**Sites Flown:** SOAP (Soaproot Saddle )

**Days left in Domain:** 0

**Report Author:** Nick Marusich

**Flight Crew:** Nick Marusich, David Gambino, Cameron Chapman

**Ground/GPS:** Michael Wussow

**Pilots:** Stephen Brawders, Jeff Quintanilla

**Additional Personnel:**

**GPS Instruments:** 01 - FBO\_KFAT, U-MUSB

**Flight Hours:** 03:34

**Hours until maintenance:** 36.60

### Summary

First day of collections in D17b. After a delayed start waiting for GPS units to arrive, Payload 2 collected 63% of SOAP under green conditions (100% or air shed and TOS). Favorable conditions are expected tomorrow to complete SOAP collections before evaluating TEAK peak greenness opportunity.

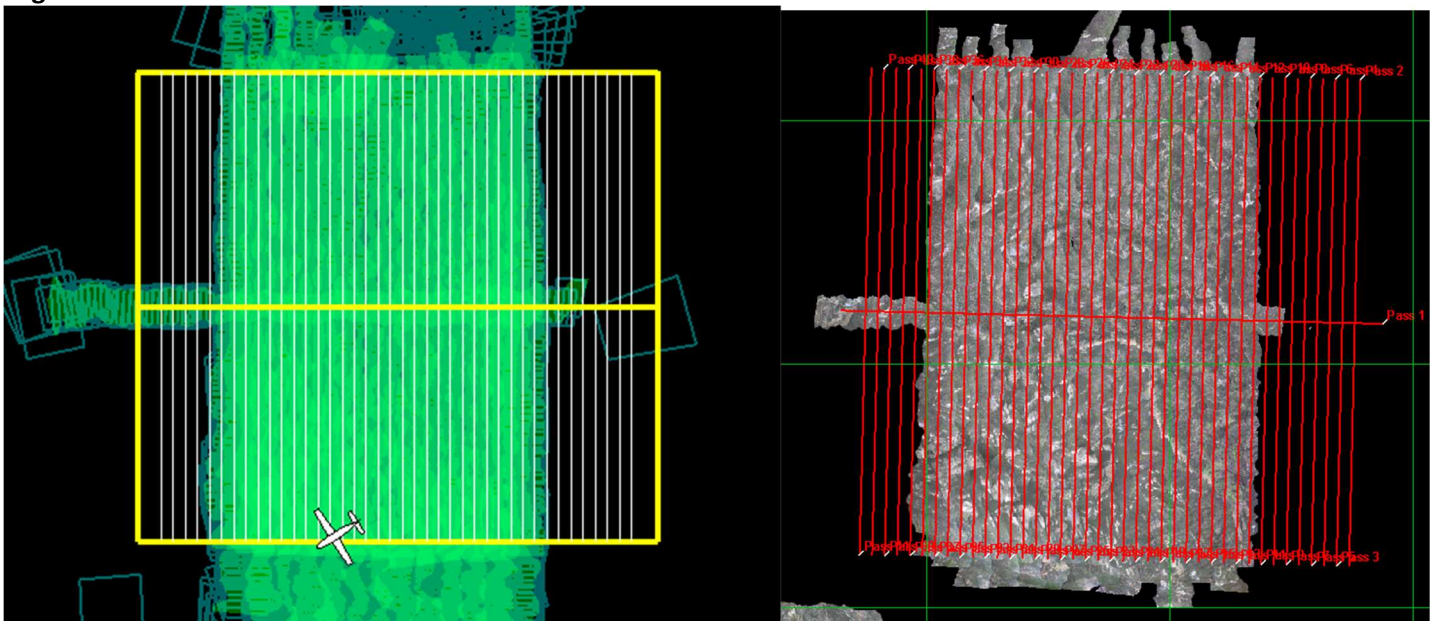
### Concerns

Waveform Digitizer software froze for the second time recently. The issue was resolved following restart.

### Comments

Nick Marusich completed his second OPTECH Lidar training flight.

### Flight Screenshots



## Pictures



Above: California Sierra Nevada reservoirs at full capacity / Below: Flight Ops Manager, "Collect on!"



**Daily Coverage**

D17 SOAP	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	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
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✗	✓	NC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
Flown:	26							

**Cumulative Domain Coverage**

D17a

**SJER**

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										

Flown: 100% (30/30)

Green: 100% (30/30)

Yellow: 0% (0/30)

Red: 0% (0/30)

**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: 63% (26/41)

Green: 63% (26/41)

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)

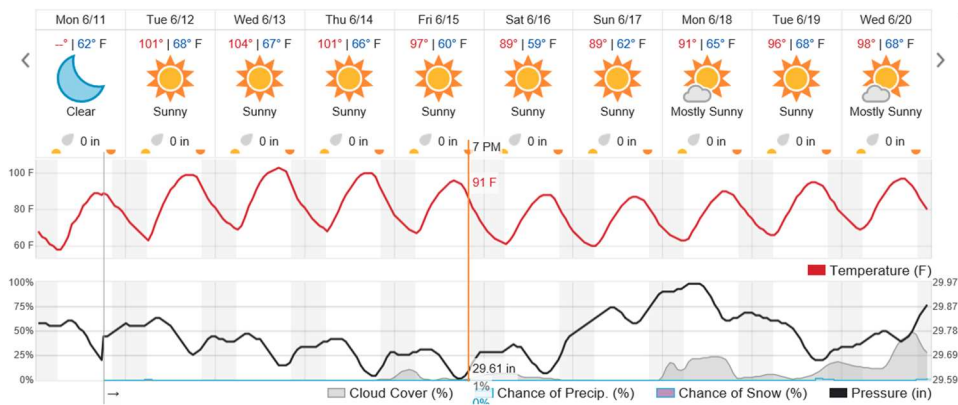
### TEAK\_P3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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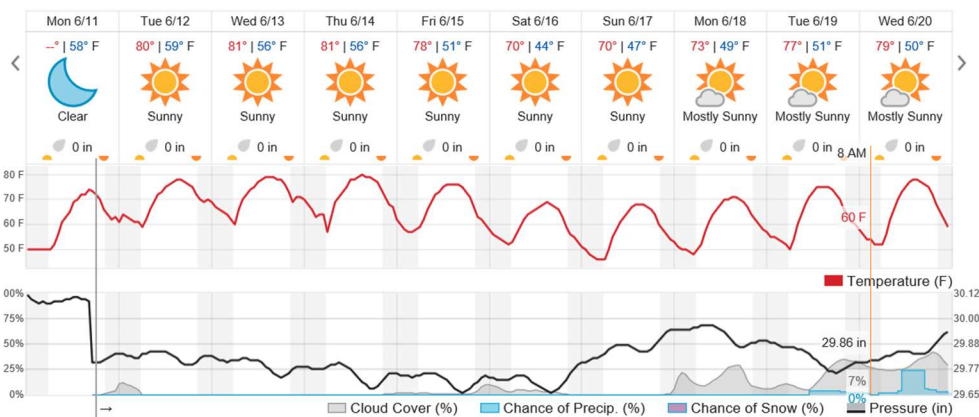
Flown: 0% (0/19)  
 Green: 0% (0/19)  
 Yellow: 0% (0/19)  
 Red: 0% (0/19)

### Weather Forecast

#### Fresno CA



#### Shaver Lake CA (SOAP)



**Flight Collection Plan for 12 June 2018**

Collection area: Soaproot Saddle (SOAP) – Priority Flight 1

Flight Plan Name: D17\_SOAP\_R1\_P1\_v5.pln

On-station Time: 1620 UTC / 0920 L

Collection area: Nominal Runway – Priority Flight 2

Flight Plan Name: D17\_\_N17A\_Nominal\_Runway\_Test\_v1.pln

On-station Time: 1930 UTC / 1230 L

Crew: Lidar: Nick Marusich, NIS: Michael Wussow, Instructor: Cam Chapman, Ground: David Gambino

**New Issues**

<b>Fault:</b> Lidar	<b>Open Date:</b> 2018-06-11
Waveform Digitizer Stop logging during flight. A restart seemed to resolve the issue however this is the second occurrence (The first occurred on 20180605)	