



Payload 1 Daily Flight Report

Date: 2026-07-07

Flight Campaign ID: P1C1

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

Aircraft: N537AR

Domain: 17 (Pacific Southwest)

Sites Flown: TEAK (Teakettle)

Days left in Domain: 8

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 04:04

Spectrometer Operators: Mitch

Hours until maintenance: 62.13

Pilots: Jeff, Troy

GPS Instruments: AOP_TEAK, S-CAFR

Summary

Clear morning skies allowed us to successfully collect 26 lines in optimal conditions over Teakettle.

Concerns

- Line 31 at TEAK missing from the KML and XML. Flight planning has been notified and a solution identified.

Comments

- None

Daily Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

Solar Angle Less Than 40 degrees: (*)

D17|TEAK

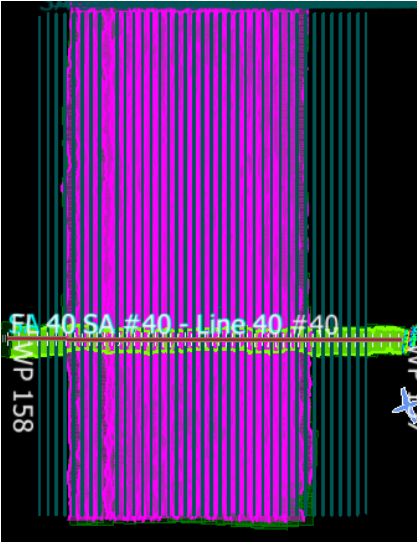
Line #	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	29	30	32	33	34	40
Lidar	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	
Camera	✓	✓	✓	✓	✓	✓
Cloud Cover						

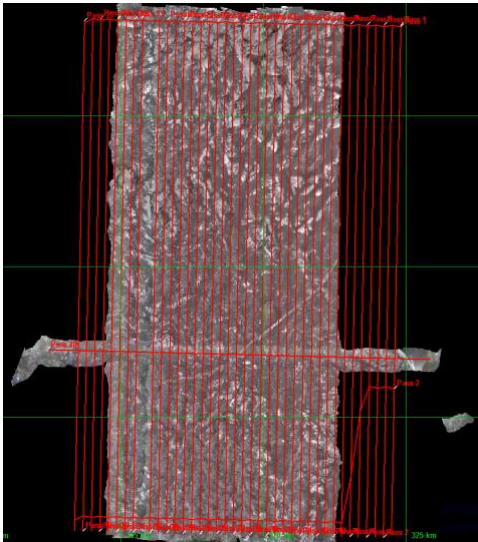
Total number of lines flown: 26

Flight Screenshots

Lidar



NIS



Pictures



Cumulative Domain Coverage

D17|SOAP (Soaproot Saddle)

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	42	43	44	45	46	47													

Flown: 0% (0/47)

Green: 0% (0/47)

Yellow: 0% (0/47)

Red: 0% (0/47)

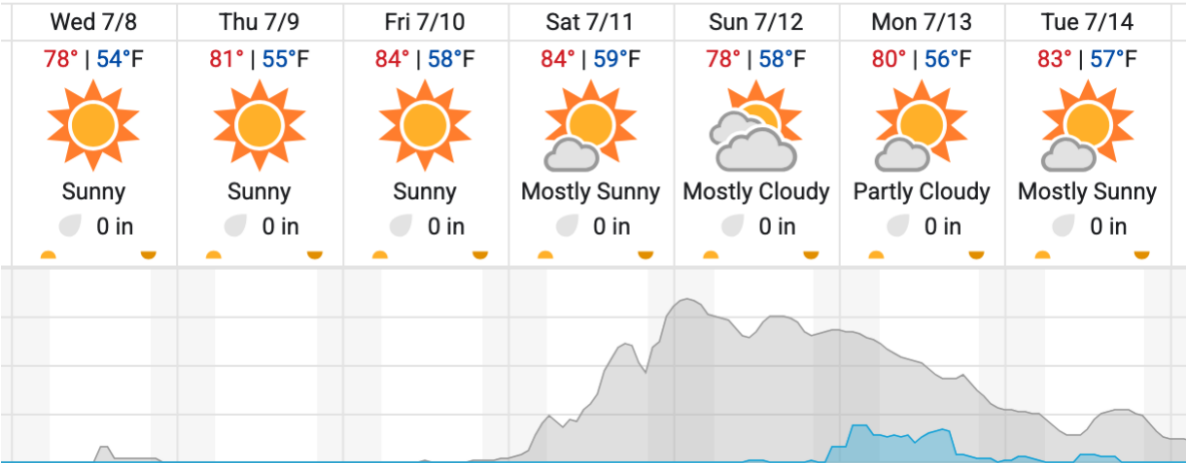
* Flown within 35deg solar angle

D17|TEAK (Teakettle)

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: 65% (26/40)
Green: 65% (26/40)
Yellow: 0% (0/40)
Red: 0% (0/40)
* Flown within 35deg solar angle

Weather Forecast
Shaver Lake, CA (SOAP/TEAK)



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for July 8, 2026

Flyority 1
Collection Area: Soaproot Saddle (SOAP) – Variable Altitude Plan
Flight Plan Name: D17_SOAP_R1_P1_P2_P3_v8_PRM_Var_Alt.xml
On-Station Time: 0920 L / 1620 UTC

Flyority 2
Collection Area: Teakettle (TEAK) – Priority 1 Flight Box – Variable Altitude Plan
Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v7B_PRM_Var_Alt.xml
On-Station Time: 0920 L / 1620 UTC

Crew: Mitch (Lidar), Cameron (NIS)