



Payload 1 Daily Flight Report

Date: 2026-07-09

Flight Campaign ID: P1C1

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

Aircraft: N537AR

Domain: 17 (Pacific Southwest)

Sites Flown: SOAP (Soaproot Saddle)

Days left in Domain: 6

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 04:02

Spectrometer Operators: Mitch

Hours until maintenance: 53.95

Pilots: Jeff, Troy

GPS Instruments: S-CAFR, U-MUSB

Summary

- Clear skies this morning allowed for the successful completion of the Soaproot Saddle flight box in optimal conditions.

Concerns

- The Data extraction and QA process is currently taking about 24 hours to complete.
- We have to re-extract 2026070815 data due space constraints.

Comments

- Awaiting results of data extraction and quality assurance.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D17|SOAP

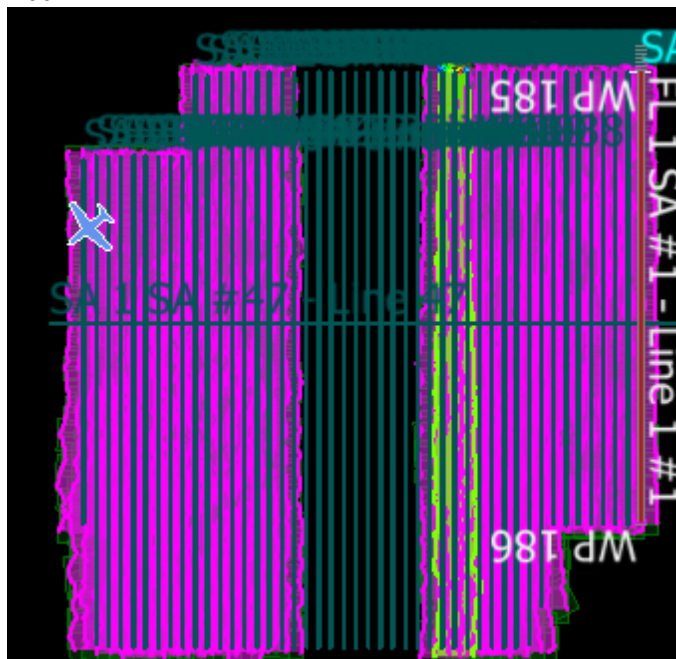
Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	30	31	32
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	33	34	35	36	37	38	39	40	41	42	43	44	45	46
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover														

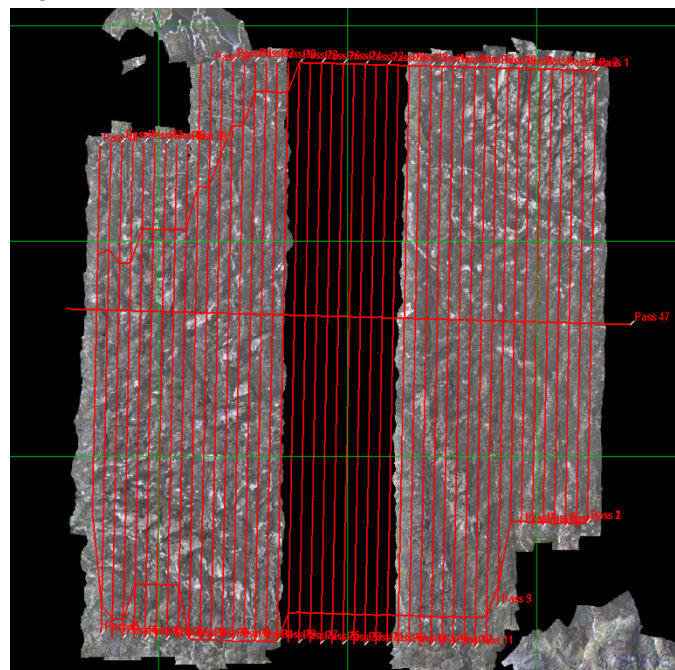
Total number of lines flown: 34

Flight Screenshots

Lidar



NIS



Pictures: Flying over Soaproot Saddle this morning



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													

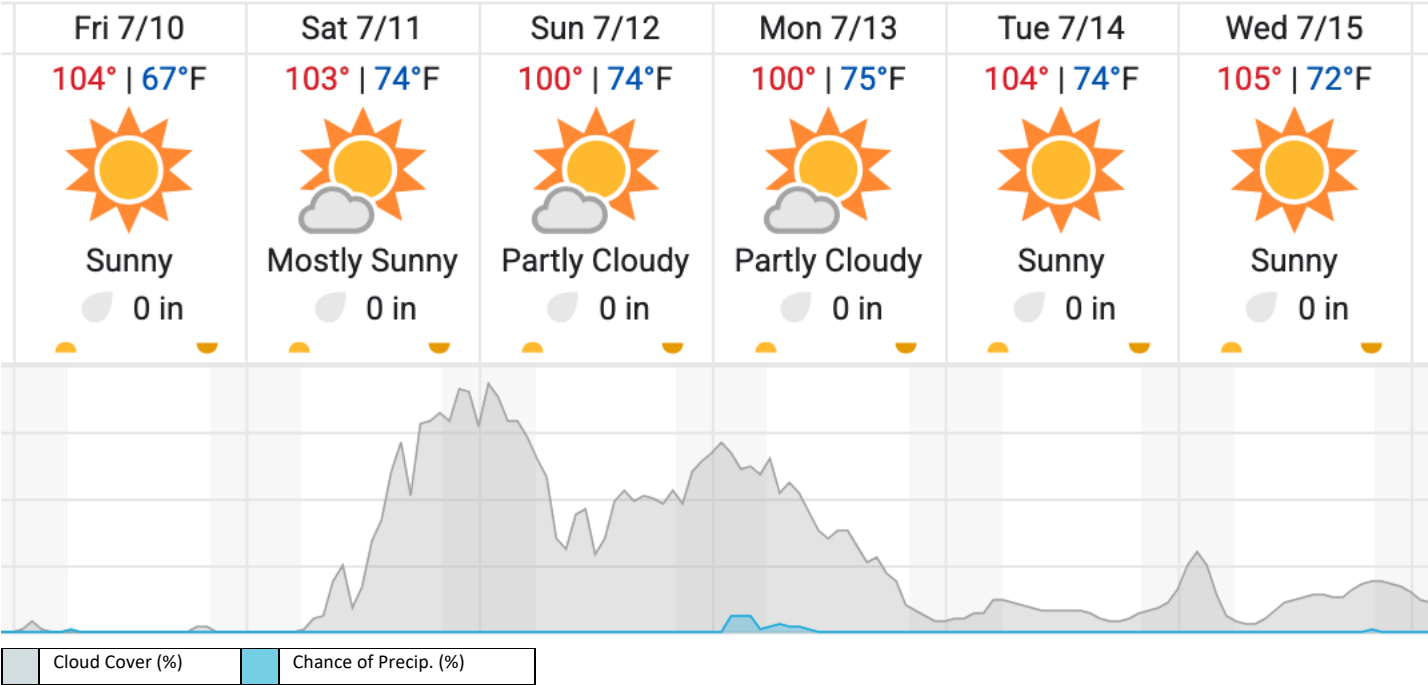
Flown: 100% (47/47)
Green: 100% (47/47)
Yellow: 0% (0/47)
Red: 0% (0/47)
* Flown within 35deg solar angle

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: 100% (40/40)
Green: 100% (40/40)
Yellow: 0% (0/40)
Red: 0% (0/40)
* Flown within 35deg solar angle

Weather Forecast
Fresno (FBO)



source: wunderground.com

Flight Collection Plan for July 10, 2026

- Awaiting Data Extraction and QA

Crew: Mitch, Cameron