



Payload 1 Daily Flight Report



**Date:** 2023-07-09

**Flight Campaign ID:** P1C1

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

**Aircraft:** N331AR

**Domain:** 17 (Pacific Southwest)

**Sites Flown:** TEAK\_P1 (Teakettle Priority 1 )

**Days left in Domain:** 1

**Report Author:** Abe

**Lidar Operators:** Abe

**Flight Hours:** 03:38

**Spectrometer Operators:** John **Hours until maintenance:** 83.93

**Pilots:** Jeff, Vince

**GPS Instruments:** 07 - FBO\_KFAT, AOP\_TEAK

**Summary**

The crew again flew to the TEAK site to finish initial collection today. The site was covered with moderate haze, smoke and some building low cumulus, allowing the crew to collect the remaining 18 lines in “yellow” sky conditions.

**Concerns**

- The waveform recorded did not connect again today, and no waveform was collected on this flight.
- The NIS “framegrabber” error occurred again today. It happened on the last half of the last line we were going to fly today. The system was rebooted, and the last line was reflown without issue.

**Comments**

- The system will be turned off tomorrow morning in preparation for Tuesday mornings transit to Fairbanks.

**Daily Coverage**

Estimated Cloud Cover Key

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

D17|TEAK\_P1

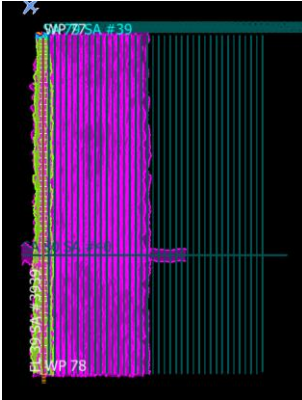
Line #	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																		

Total number of lines flown: 18

## Flight Screenshots

Lidar

NIS (No NIS screenshot is available due to the "Framegrabber" issue)



## Cumulative Domain Coverage

D17|SOAP\_P1 (Soaproot Saddle Priority 1)

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% (31/31)  
 Green: 0% (0/31)  
 Yellow: 100% (31/31)  
 Red: 0% (0/31)

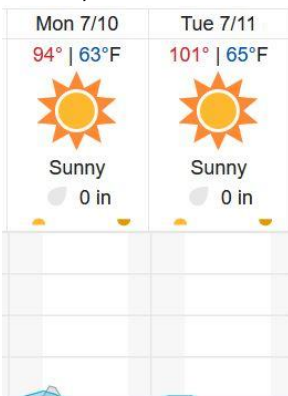
D17|TEAK\_P1 (Teakettle Priority 1)

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: 0% (0/40)  
 Yellow: 100% (40/40)  
 Red: 0% (0/40)

## Weather Forecast

Fresno, CA



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

## Flight Collection Plan for 10 July 2023

-The crew will pack the plane and take care of all the logistics tasks for the transit on Tuesday morning.