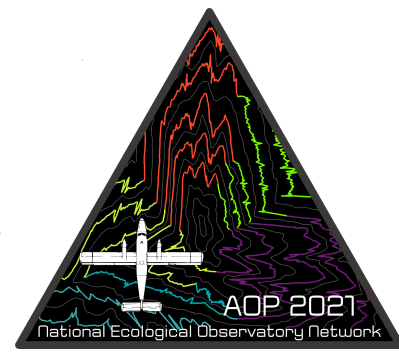




## Payload 1 Daily Flight Report



**Date:** 2021-07-09

**Flight Campaign ID:** P1C2

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

**Aircraft:** N331AR

**Domain:** 17 (Pacific Southwest)

**Sites Flown:** None

**Days left in Domain:** 8

**Report Author:** Cameron Chapman

**Lidar Operators:** Cameron Chapman

**Spectrometer Operators:** Mitch Haynes

**Pilots:** Justin Eddington, Nick Koukoutsakis

**Flight Hours:** 00:00

**Hours until maintenance:** 119.62

**GPS:** N/A

### Summary

Scattered clouds throughout the region, no flights were attempted. An excessive heat warning in the Central Valley caused the crew to take preventive measures and utilize an industrial grade air conditioner to keep the payload's temperatures within specifications. The weather forecast calls for temperatures to reach 114F in Fresno this weekend.

### Concerns

- Excessive heat in the region.

### Comments

- Abe will arrive in D17 tomorrow.

### Daily Coverage

Estimated Cloud Cover Key

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

**Flight Screenshots:** None

**Pictures:** None

## Cumulative Domain Coverage

### D17|N17A (D17 Nominal Runway )

1

Flown: 0% (0/1)

Green: 0% (0/1)

Yellow: 0% (0/1)

Red: 0% (0/1)

### D17|SOAP\_P1 (Soaproot Saddle 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
41	42	43	44	45	46	47													

Flown: 0% (0/47)

Green: 0% (0/47)

Yellow: 0% (0/47)

Red: 0% (0/47)

### 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: 0% (0/40)

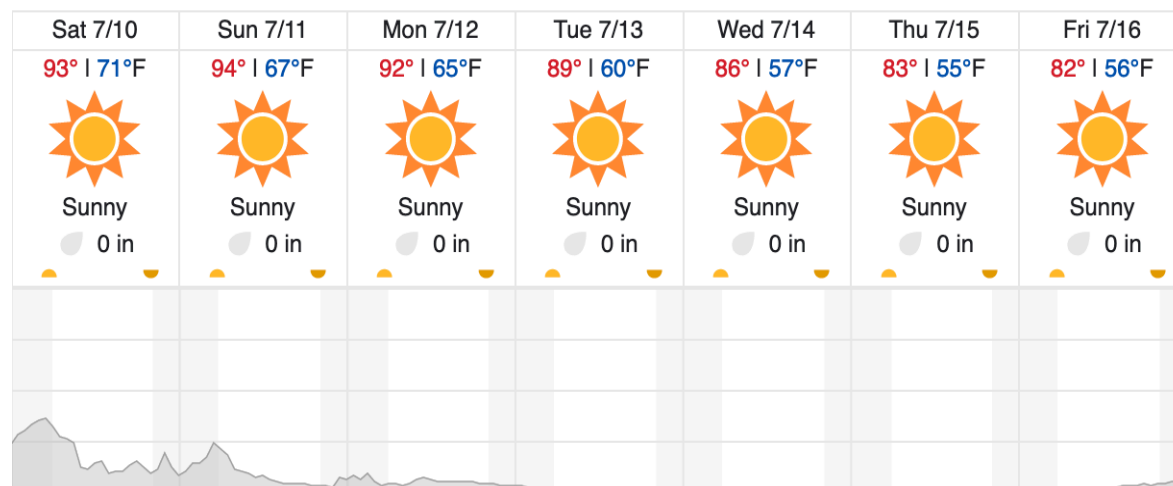
Green: 0% (0/40)

Yellow: 0% (0/40)

Red: 0% (0/40)

## Weather Forecast

Shaver Lake, CA



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

## Flight Collection Plan for July 10 2021

Flyority 1

Collection Area: Soaproot Saddle (SOAP) – Variable Altitude Plan

Flight Plan Name: D17\_SOAP\_R1\_P1\_P2\_P3\_v7\_PRM\_Var\_Alt.xml

On-Station Time: 1620 – 2340 UTC / 0920 – 1640 L

#### Flyority 2

Collection Teakettle (TEAK) – Priority 1 Flight Box – Variable Altitude Plan

Flight Plan Name: D17\_TEAK\_R2\_P1\_P2\_P3\_v6\_PRM\_Var\_Alt.xml

On-Station Time: 1620 – 2340 UTC / 0920 – 1640 L

#### Flyority 3

Collection Area: To test LiDAR range accuracies and noise levels at 400 kHz PRF.

Flight Plan Name: D17\_N17A\_Nominal\_Runway\_Test\_v2\_PRM.xml

On-Station Time: N/A

Crew: Mitch, Cam