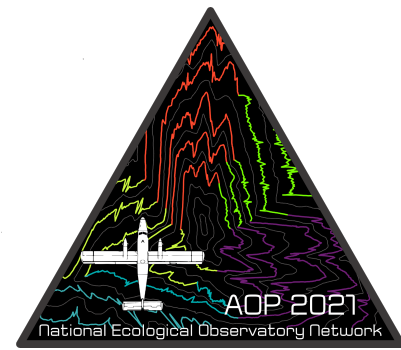




## Payload 1 Daily Flight Report



**Date:** 2021-07-10

**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:** 7

**Report Author:** Mitch Haynes

**Lidar Operators:** Mitch Haynes

**Flight Hours:** 00:00

**Spectrometer Operators:** Cameron Chapman **Hours until maintenance:** 119.62

**Pilots:** Justin Eddington, Nick Koukoutsakis

### Summary

Dangerously hot and unrelenting temperatures plagued the crew as the heat wave intensified across the region. While dry air masses remain stationary, heavy layers of haze and smog blanket the state leaving substandard atmospheric conditions for data collections. The hope is these conditions will improve as temperatures start dropping next week.

### Concerns

Several record high temperatures across the region are expected to be broken tomorrow.

### Comments

Abe Morrison arrived in D17 this evening.

### 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)

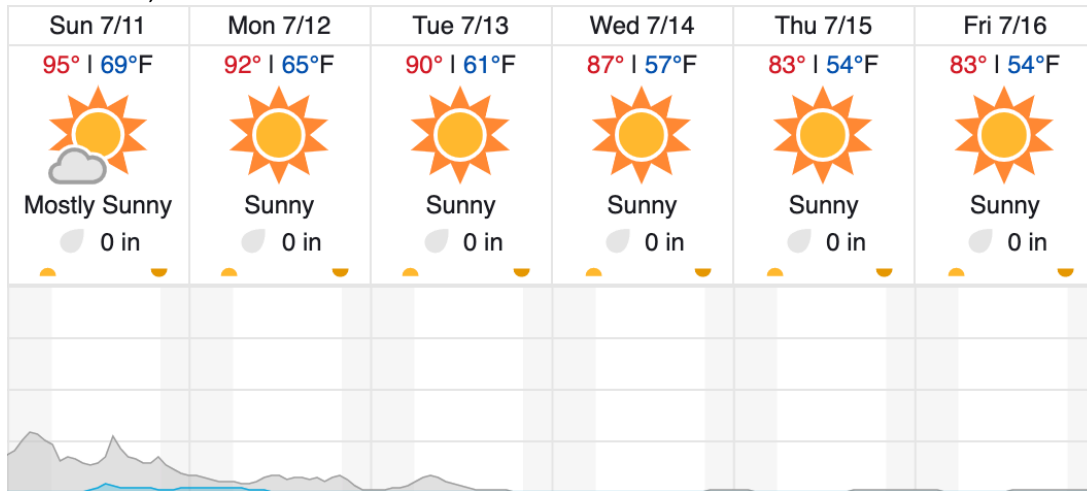
Green: 0% (0/40)

Yellow: 0% (0/40)

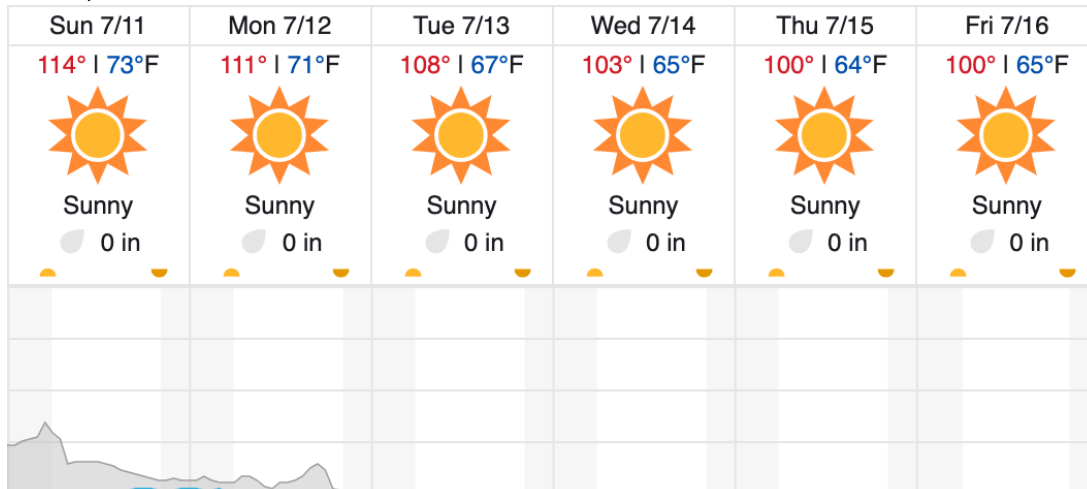
Red: 0% (0/40)

### Weather Forecast

Shaver Lake, CA



Fresno, CA



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

### Flight Collection Plan for July 11 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

Crew: Cam, Mitch, Abe