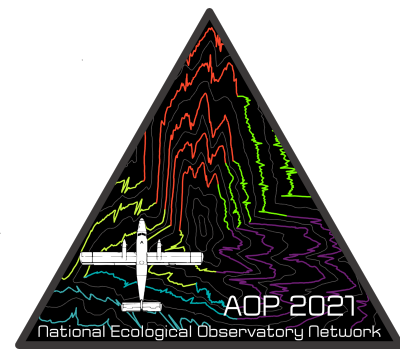




Payload 1 Daily Flight Report



Date: 2021-07-04

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: 13

Report Author: Cameron Chapman

Lidar Operators: Cameron Chapman

Spectrometer Operators: None

Pilots: Nick Koukoutsakis, Justin Eddington

Flight Hours: 00:00

Hours until maintenance: 35.02

GPS Instruments: None

Summary

A new cable adaptor was made this afternoon with the remote assistance of Abe Morrison. After the completion of the cable, the payload was restarted and the pumping / cooling process is underway. Based on the current trajectory, the payload will be ready for data collection by mid-day July 6th.

Concerns

- Nothing new to report.

Comments

- Mitch arrives tonight.
- GPS 5 will be deployed Tuesday morning prior to any potential flights.
- **Happy Independence Day!!**

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

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			

Flown: 0% (0/37)

Green: 0% (0/37)

Yellow: 0% (0/37)

Red: 0% (0/37)

D17|SOAP_P2 (Soaproot Saddle Priority 2)

38	39	40	41	42	43	44	45	46	47
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Flown: 0% (0/10)
Green: 0% (0/10)
Yellow: 0% (0/10)
Red: 0% (0/10)

D17|SOAP_P3 (Soaproot Saddle Priority 3)

48	49	50	51	52	53	54	55	56	57	58	59
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Flown: 0% (0/12)
Green: 0% (0/12)
Yellow: 0% (0/12)
Red: 0% (0/12)

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)

D17|TEAK_P2 (Teakettle Priority 2)

41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63																	

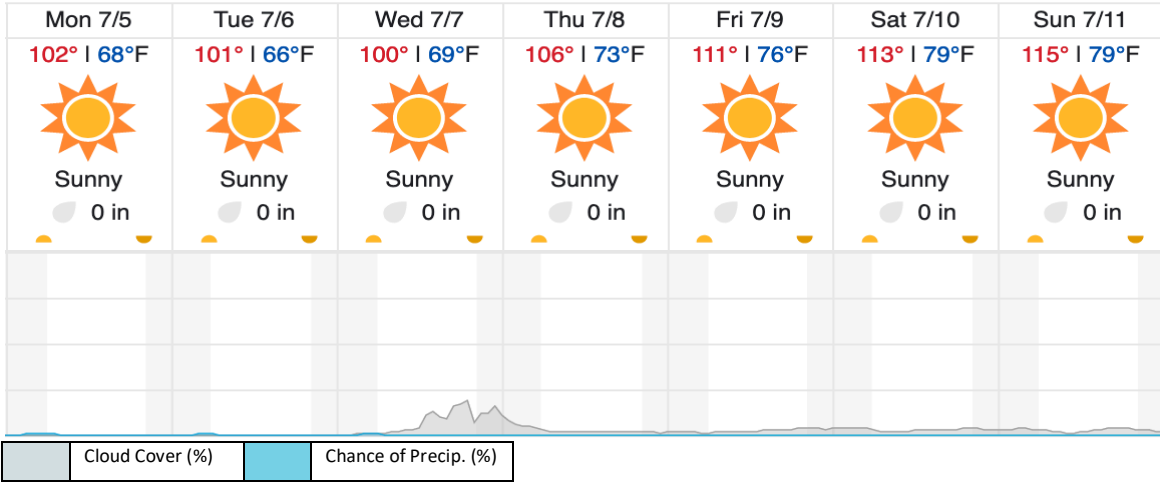
Flown: 0% (0/23)
Green: 0% (0/23)
Yellow: 0% (0/23)
Red: 0% (0/23)

D17|TEAK_P3 (Teakettle Priority 3)

63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
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Flown: 0% (0/19)
Green: 0% (0/19)
Yellow: 0% (0/19)
Red: 0% (0/19)

Weather Forecast
Fresno, CA



Flight Collection Plan for July 05 - 06 2021

Pumping and cooling

Flight Collection Plan for July 06 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: Soaproot Saddle (SOAP) – Priority 1 Flight Box – Fixed Altitude Plan

Flight Plan Name: D17_SOAP_R1_P1_P2_P3_v5_PRM

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

Flyority 4

Collection Area: Soaproot Saddle (SOAP) – Priority 2 Flight Box – Fixed Altitude Plan

Flight Plan Name: D17_SOAP_R1_P1_P2_P3_V5_PRM

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

Flyority 5

Collection Area: Soaproot Saddle (SOAP) – Priority 3 Flight Box – Fixed Altitude Plan

Flight Plan Name: D17_SOAP_R1_P1_P2_P3_v5.pln

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

Flyority 6

Collection Area: Teakettle (TEAK) – Priority 1 Flight Box – Fixed Altitude Plan

Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v4_PRM.xml

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

Flyority 7

Collection Area: Teakettle (TEAK) – Priority 2 Flight Box – Fixed Altitude Plan

Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v4_PRM.xml

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

Flyority 8

Collection Area: Teakettle (TEAK) – Priority 3 Flight Box – Fixed Altitude Plan

Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v4.pln

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

Flyority 9

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: **Cam, Mitch**