



Payload 1 Daily Flight Report



Date: 2023-07-07

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 17 (Pacific Southwest)

Sites Flown: SOAP_P1 (Soaproot Saddle Priority 1)

Days left in Domain: 3

Report Author: Abe

Lidar Operators: Abe

Flight Hours: 03:19

Spectrometer Operators: John

Hours until maintenance: 91.33

Pilots: Jeff, Vince

GPS Instruments: 07 - FBO_KFAT, U-MUSB

Summary

The crew flew the SOAP site again today. The conditions were the same as yesterday with low haze and smoke layers sitting in the valleys of the flight box. 20 lines and a cross strip were completed in "yellow" sky conditions. This completes initial coverage of the SOAP site.

Concerns

-The waveform recorder did connect on system startup today, but it would not record any data. So no waveform was collected on this flight.

Comments

None.

Daily Coverage

Estimated Cloud Cover Key

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

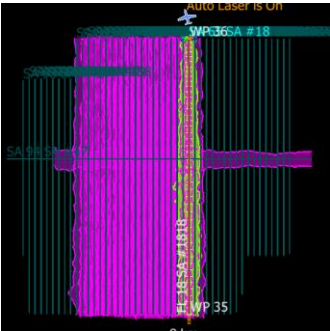
D17|SOAP_P1

Line #	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

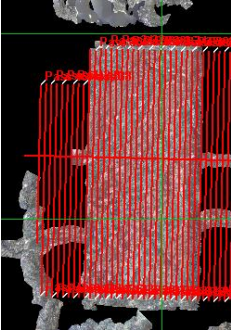
Total number of lines flown: 20

Flight Screenshots

Lidar



NIS



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)

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)

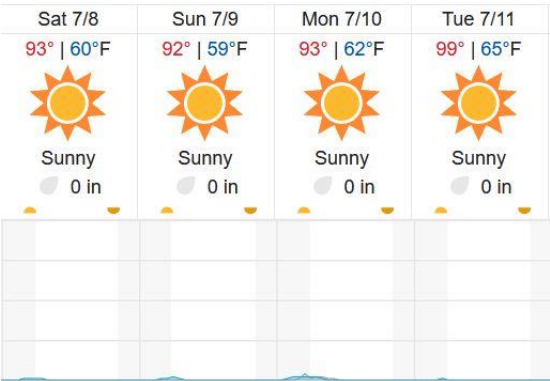
D17|TEAK_P1 (Teakettle Priority 1)

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

Weather Forecast

Fresno, CA



Shaver Lake, CA (SOAP, TEAK)

