Payload 1 Daily Flight Report

Date: 2024-06-11
Flight Campaign ID: P1C1
Airport, FBO ID, City: Fresno Yosemite International Airport (KFAT) - Fresno, CA
Aircraft: N615AR

Domain: 17 (Pacific Southwest)
Sites Flown: SOAP_P1 (Soaproot Saddle Priority 1)
Days left in Domain: 4

Report Author: Abe
Lidar Operators: Abe
Flight Hours: 02:32
Spectrometer Operators: Cameron
Hours until maintenance: 51.23
Pilots: Vince, Cody
GPS Instruments: 05 - KFAT, AOP_TEAK, U-MUSB

Summary
The crew took advantage of another cloudless morning and flew up to the SOAP site. 18 lines were completed in “green” sky conditions to finish coverage of this site. Cumulus clouds were building over the TEAK site about the same time the SOAP site was being finished so no further collections were made.

Concerns
The NIS FG/HSI TS errors did not occur on this flight, making it the first flight in a while that was error free.

Comments
None

Daily Coverage

Estimated Cloud Cover Key

<table>
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<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D17|SOAP_P1

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<tbody>
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Total number of lines flown: 18
Flight Screenshots

Lidar

NIS

Cumulative Domain Coverage

D17|N17A (D17 Nominal Runway)

Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

D17|SOAP_P1 (Soaproot Saddle Priority 1)

Flown: 100% (47/47)
Green: 100% (47/47)
Yellow: 0% (0/47)
Red: 0% (0/47)

D17|TEAK_P1 (Teakettle Priority 1)

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

Weather Forecast

Shaver Lake (SOAP, TEAK)

Fresno, CA

source: wunderground.com
Flight Collection Plan for June 12, 2024

Flyority 1
Collection Area: Teakettle (TEAK) – Priority 1 Flight Box – Variable Altitude Plan
Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v7B_PRM_Var_Alt.xml
On-Station Time: 0920 L / 1620 UTC

Flyority 2
Collection Area: Nominal Runway – D17
Flight Plan Name: D17_N17A_Nominal_Runway_Test_v3_PRM.xml

Crew: Cam (Lidar), Abe (NIS)