Payload 1 Daily Flight Report

Date: 2024-06-12
Flight Campaign ID: P1C1
Airport, FBO ID, City: Fresno Yosemite International Airport (KFAT) - Fresno, CA
Aircraft: N615AR

Domain: 17 (Pacific Southwest)
Sites Flown: TEAK_P1 (Teakettle Priority 1)
Days left in Domain: 3

Report Author: Cameron
Lidar Operators: Cameron
Spectrometer Operators: Abe
Pilots: Vince, Cody
Flight Hours: 03:34
Hours until maintenance: 47.67
GPS Instruments: 05 - KFAT, AOP_TEAK

Summary
Another beautiful day in the Pacific southwest. We completed 22 lines at TEAK in “green” sky conditions.

Concerns
- Frame grabber error shortly after takeoff, two software & non-ECS 5,6,7 cycles resolved the issue. No other occurrences during data collection.

Comments
- RAID 13 was shipped today

Daily Coverage
Estimated Cloud Cover Key
Green: 0-10%
Yellow: 11-50%
Red: >50%

Solar Angle Less Than 40 degrees

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<tr>
<th>D17</th>
<th>TEAK_P1</th>
<th>Line #</th>
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<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
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<td>Spectrometer</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
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<tr>
<td>Camera</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
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<td>Cloud Cover</td>
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Total number of lines flown: 22
Pictures
Photo taken over TEAK during today’s data collection. (Photo by Abe)
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)

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

D17|TEAK_P1 (Teakettle Priority 1)

Flown: 55% (22/40)
Green: 55% (22/40)
Yellow: 0% (0/40)
Red: 0% (0/40)

Weather Forecast

Source: wunderground.com

Flight Collection Plan for June 13, 2024

Flyority 1 (Lines 22-39)
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: Abe (Lidar), Cam (NIS)