Payload 1 Daily Flight Report

Date: 2023-07-09
Flight Campaign ID: P1C1
Airport, FBO ID, City: Fresno Yosemite International Airport (KFAT) - Fresno, CA
Aircraft: N331AR

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

Report Author: Abe
Lidar Operators: Abe
Spectrometer Operators: John
Pilots: Jeff, Vince
Flight Hours: 03:38
Hours until maintenance: 83.93
GPS Instruments: 07 - FBO_KFAT, AOP_TEAK

Summary
The crew again flew to the TEAK site to finish initial collection today. The site was covered with moderate haze, smoke and some building low cumulus, allowing the crew to collect the remaining 18 lines in “yellow” sky conditions.

Concerns
-The waveform recorded did not connect again today, and no waveform was collected on this flight.
-The NIS “framegrabber” error occurred again today. It happened on the last half of the last line we were going to fly today. The system was rebooted, and the last line was reflown without issue.

Comments
-The system will be turned off tomorrow morning in preparation for Tuesday mornings transit to Fairbanks.

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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D17|TEAK_P1

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Total number of lines flown: 18
**Flight Screenshots**

Lidar

NIS (No NIS screenshot is available due to the “Framegrabber” issue)

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**Cumulative Domain Coverage**

**D17|SOAP_P1 (Soaproot Saddle Priority 1)**

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Flown: 100% (31/31)
Green: 0% (0/31)
Yellow: 100% (31/31)
Red: 0% (0/31)

**D17|TEAK_P1 (Teakettle Priority 1)**

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Flown: 100% (40/40)
Green: 0% (0/40)
Yellow: 100% (40/40)
Red: 0% (0/40)

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**Weather Forecast**

Fresno, CA

![Weather Forecast](source: wunderground.com)

**Flight Collection Plan for 10 July 2023**

-The crew will pack the plane and take care of all the logistics tasks for the transit on Tuesday morning.