Date: 2021-07-11
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: 5

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman
Spectrometer Operators: Mitch Haynes
Ground Operators: Abe Morrison
Pilots: Justin Eddington, Nick Koukoutsakis

Summary
Clouds formed early and lingered throughout the day. No flights were attempted.

Concerns
- Dangerous heat still plaguing the region.

Comments
- Completed the D17 Hg Lamp test.
- Cameron departs the field tomorrow.

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Color</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>0-10%</td>
</tr>
<tr>
<td>Yellow</td>
<td>11-50%</td>
</tr>
<tr>
<td>Red</td>
<td>&gt;50%</td>
</tr>
</tbody>
</table>

Flight Screenshots: None

Pictures: None

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)

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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 |
41 | 42| 43| 44| 45| 46| 47|

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

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

Shaver Lake, CA

<table>
<thead>
<tr>
<th></th>
<th>Mon 7/12</th>
<th>Tue 7/13</th>
<th>Wed 7/14</th>
<th>Thu 7/15</th>
<th>Fri 7/16</th>
<th>Sat 7/17</th>
<th>Sun 7/18</th>
</tr>
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<tbody>
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<td>85°F</td>
<td>81°F</td>
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<td>Source: wunderground.com</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
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<tr>
<td></td>
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<td>61°F</td>
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<td>54°F</td>
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<td>60°F</td>
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Fresno, CA

<table>
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<tr>
<th></th>
<th>Mon 7/12</th>
<th>Tue 7/13</th>
<th>Wed 7/14</th>
<th>Thu 7/15</th>
<th>Fri 7/16</th>
<th>Sat 7/17</th>
<th>Sun 7/18</th>
</tr>
</thead>
<tbody>
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<tr>
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<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td></td>
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<td>69°F</td>
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<td>64°F</td>
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<td>66°F</td>
<td>73°F</td>
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</tbody>
</table>
Flight Collection Plan for July 12 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: To test LiDAR range accuracies and noise levels at 400 kHz PRF.
Flight Plan Name: D17_N17A_Nominal_Runway_Test_v2_PRM.xml

Crew: Abe, Mitch