Summary
The crew flew the SOAP flight box today with moderately heavy haze and some smoke in the valleys. 10 lines and a cross strip were collected in “yellow” sky conditions.
The AOP science team has decided to extend our stay here in D17 to finish the collection of the SOAP box and collect the TEAK box as well. The new tentative departure date is July 11th.

Concerns
- The waveform recorded would not connect today on initial startup of the system. Several reboots of the recorded did not correct the problem nor did a reboot of the FMS nav software and a full system restart. Today’s flight was flown without waveform.

Comments
- John arrived today and will replace Elissa. Thanks for the hard work Elissa, all the way across the country!

Daily Coverage

<table>
<thead>
<tr>
<th>Estimated Cloud Cover Key</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Green:</strong> 0-10%</td>
</tr>
</tbody>
</table>

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**D17|SOAP_P1**

<table>
<thead>
<tr>
<th>Line #</th>
<th>37</th>
<th>38</th>
<th>39</th>
<th>40</th>
<th>41</th>
<th>42</th>
<th>43</th>
<th>44</th>
<th>45</th>
<th>46</th>
<th>47</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lidar</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Spectrometer</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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</tr>
<tr>
<td>Camera</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>✓</td>
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</tr>
<tr>
<td>Cloud Cover</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Total number of lines flown: 11
Flight Screenshots

Lidar

NIS (not all lines shown due to an in-air reboot of the software)

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: 23% (11/47)
Green: 0% (0/47)
Yellow: 23% (11/47)
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

Fresno, CA
Shaver Lake, CA (SOAP, TEAK)

<table>
<thead>
<tr>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunny</td>
<td>Sunny</td>
</tr>
<tr>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for 7 July 2023

Flyority 1
Collection Area: Soaproot Saddle (SOAP) – Variable Altitude Plan
Flight Plan Name: D17_SOAP_R1_P1_P2_P3_v7_PRM_Var_Alt_200m_above_eNOHD.xml
On-Station Time: 0920 L / 1620 UTC

Flyority 2
Collection Area: Teakettle (TEAK) – Variable Altitude Plan
Flight Plan Name: D17_TEAK_R2_P1_P2_P3_v6_PRM_Var_Alt_200m_above_eNOHD.xml
On-Station Time: 0920 L / 1620 UTC

Crew: Abe (Lidar), John (NIS)