Date: 2019-08-31
Flight Campaign ID: 2019_P2C1
Airport, FBO ID, City: Scottsdale Airport (KSDL) - Scottsdale, AZ

Domain: 14
Sites Flown: NONE
Days left in Domain: 12

Report Author: Mitch Haynes
Flight Crew: Mitch Haynes, Ivana Vu
Flight Hours: 00:00
Ground/GPS:
Hours until maintenance: 109.03
Pilots: Micah Hoogeveen, Paul Muth
Additional Personnel:
GPS Instruments:

Summary
Clouds over Santa Rita prevented a flight from being attempted today.

Concerns
Heat continues to be a concern, as afternoon cabin temperatures are HOT. An insulated panel was added to separate the cabin from the cockpit, and a fan to better circulate air forward from the cockpit. Additional window covers and a 2nd AC Cart will be shipped from Boulder following the holiday weekend.

Comments
GPS 02 was set up at KSDL.
GPS 07 is once again operational after troubleshooting this morning. This unit will be deployed to SYCA as soon as a suitable location is identified.

Cumulative Domain Coverage

<table>
<thead>
<tr>
<th>JORN_P1</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 100% (34/34)
Green: 91% (31/34)
Yellow: 9% (3/34)
Red: 0% (0/34)

<table>
<thead>
<tr>
<th>JORN_P2</th>
<th>35</th>
<th>36</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>
<th>48</th>
<th>49</th>
<th>50</th>
<th>51</th>
<th>52</th>
<th>53</th>
<th>54</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 100% (21/21)
Green: 5% (1/21)
Yellow: 100% (21/21)
Red: 0% (0/21)

<table>
<thead>
<tr>
<th>N14A</th>
<th>1</th>
</tr>
</thead>
</table>

Flown: 100% (1/1)
Green: 100% (1/1)
Yellow: 0% (0/1)
Red: 0% (0/40)

**SRER_P1**

| 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)

**SRER_P2**

| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 |

Flown: 0% (0/24)
Green: 0% (0/24)
Yellow: 0% (0/24)
Red: 0% (0/24)

**SRER_P3**

| 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |
| 85 | 86 | 87 | 88 | 89 | 90 |

Flown: 0% (0/26)
Green: 0% (0/26)
Yellow: 0% (0/26)
Red: 0% (0/26)

**SYCA**

| 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 | 48 | 49 | 50 | 51 | 52 |

Flown: 0% (0/52)
Green: 0% (0/52)
Yellow: 0% (0/52)
Red: 0% (0/52)

**Weather Forecast**
**Tucson, AZ (SRER)**

<table>
<thead>
<tr>
<th>Sun 9/1</th>
<th>Mon 9/2</th>
<th>Tue 9/3</th>
<th>Wed 9/4</th>
<th>Thu 9/5</th>
<th>Fri 9/6</th>
<th>Sat 9/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>![100°</td>
<td>77°F](image)</td>
<td>![100°</td>
<td>77°F](image)</td>
<td>![101°</td>
<td>77°F](image)</td>
<td>![103°</td>
</tr>
<tr>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td><img src="image" alt="0 in" /></td>
<td><img src="image" alt="0 in" /></td>
<td><img src="image" alt="0 in" /></td>
<td><img src="image" alt="0 in" /></td>
<td><img src="image" alt="0 in" /></td>
<td><img src="image" alt="0 in" /></td>
<td><img src="image" alt="0 in" /></td>
</tr>
</tbody>
</table>

![Graph](image)
Flight Collection Plan for 1 September 2019

**Flyority 1:**
Collection Area: Santa Rita Experimental Range – Priority 1 Flight Box (SRER_P1)
Flight Plan Name: D14_SRER_C1_P1_P2_P3_v5.pln
On-station Time: 1620 – 2230 UTC / 0920 – 1530 MST

**Flyority 2:**
Collection Area: Santa Rita Experimental Range – Priority 2 Flight Box (SRER_P2)
Flight Plan Name: D14_SRER_C1_P1_P2_P3_v5.pln
On-station Time: 1620 – 2230 UTC / 0920 – 1530 MST

**Flyority 3:**
Collection Area: Santa Rita Experimental Range – Priority 3 Flight Box (SRER_P3)
Flight Plan Name: D14_SRER_C1_P1_P2_P3_v5.pln
On-station Time: 1620 – 2230 UTC / 0920 – 1530 MST

**Flyority 4:**
Collection Area: Sycamore Creek – Priority 1 Flight Box (SYCA)
*Will not be attempted till sufficient GPS Coverage is available*
Flight Plan Name: D14_SYCA_A1_P1_v5_750_max.pln
On-station Time: 1620 – 2230 UTC / 0920 – 1530 MST

**Crew:** Ivana Vu (Lidar), Mitch Haynes (NIS/GPS)