Date: 2023-06-27  
Flight Campaign ID: P1C1  
Airport, FBO ID, City: Portland-Hillsboro Airport (KHIO) - Hillsboro, OR  
Aircraft: N331AR  

Domain: 16 (Pacific Northwest)  
Sites Flown: None  
Days left in Domain: 11  

Report Author: Mike  
Lidar Operators: Mike  
Flight Hours: 00:00  
Spectrometer Operators: Elissa  
Hours until maintenance: 112.28  
Pilots: Jeff, Will  

Summary  
A steady stream of stratus and cirrus moved through the areas today and no flights were conducted. The crew used the time to take care of some GPS issues we have been experiencing.  

Concerns  
None.  

Comments  
- A minor repair was performed, and remote connectivity issues were resolved on the mobile FBO unit.  
- Domain staff were able to resolve tower site connectivity issues and we now have the WREF and ABBY GPS stations back online as well as the WREF tower camera. The ABBY tower camera is still not available, however.  
- Although the tower sites were down, both GPS continued logging data and should upload tonight.  

Cumulative Domain Coverage  

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

D16|ABBY (Abby Road)  
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Flown: 0% (0/44)  
Green: 0% (0/44)  
Yellow: 0% (0/44)  
Red: 0% (0/44)
### D16|MCRA (McRae Creek)

```
1 2 3 4 5 6 7 8 9
Flown: 0% (0/9)
Green: 0% (0/9)
Yellow: 0% (0/9)
Red: 0% (0/9)
```

### D16|N16A (D16 Nominal Runway)

```
Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)
```

### D16|WREF_P1 (Wind River Experimental Forest 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 48 49 50 51 52 53 54 55 56 57
Flown: 93% (53/57)
Green: 93% (53/57)
Yellow: 0% (0/57)
Red: 0% (0/57)
```

### D16|WREF_P2 (Wind River Experimental Forest Priority 2)

```
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78
Flown: 10% (2/21)
Green: 10% (2/21)
Yellow: 0% (0/21)
Red: 0% (0/21)
```

### Weather Forecast

Hillsboro, OR (KHIO)

<table>
<thead>
<tr>
<th></th>
<th>Wed 6/28</th>
<th>Thu 6/29</th>
<th>Fri 6/30</th>
<th>Sat 7/1</th>
<th>Sun 7/2</th>
<th>Mon 7/3</th>
<th>Tue 7/4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>84°</td>
<td>53°F</td>
<td>86°</td>
<td>54°F</td>
<td>81°</td>
<td>49°F</td>
<td>83°</td>
</tr>
<tr>
<td></td>
<td>Partly Cloudy</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
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<tr>
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<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
<td>0 in</td>
</tr>
</tbody>
</table>

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**Note:** The weather forecast data includes temperature and precipitation predictions for the specified dates. The icons represent weather conditions, with sunny conditions indicated by the sun symbol. The precipitation data is shown as 0 in for all days, indicating no expected precipitation.
**Flight Collection Plan for 27 June 2023**

**Flyority 1**  
Collection Area: Wind River Experimental Forest (WREF) P1 (lines 54-57)  
Flight Plan Name: D16_WREF_C1_P1_P2_v3_PRM.xml  
On-Station Time: 1630 UTC / 0930 L

**Flyority 2**  
Collection Area: Abby Road (ABBY)  
Flight Plan Name: D16_ABBY_R2_P1_v2_PRM.xml  
On-Station Time: 1630 UTC / 0930 L
Flyority 3
Collection Area: Wind River Experimental Forest (WREF) P2
Flight Plan Name: D16_WREF_C1_P1_P2_v3_PRM.xml
On-Station Time: 1630 UTC / 0930 L

Flyority 4
Collection Area: McRae Creek (MCRA)
Flight Plan Name: D16_MCRA_A2_P1_v2_PRM.xml
On-Station Time: 1630 UTC / 0930 L

Crew: Elissa (Lidar), Mike (NIS)