Date: 2022-07-09
Flight Campaign ID: P1C1
Airport, FBO ID, City: Portland-Hillsborough Airport (KHIO) - Hillsboro, OR
Aircraft: N331AR

Domain: 16 (Pacific Northwest)
Sites Flown: None
Days left in Domain: 6

Report Author: Mike
Lidar Operators: Mike
Flight Hours: 00:00
Spectrometer Operators: Abe
Hours until maintenance: 121.25
Pilots: Nick, Robbie

Summary
Various layers of clouds hung around today and no flights were performed. The crew is hoping the good forecast will come to fruition in the upcoming days.

Concerns
None

Comments
None

Daily Coverage

Estimated Cloud Cover Key

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

Flight Screenshots: None

Pictures: None

Cumulative Domain Coverage

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)

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)

Flown: 0% (0/57)
Green: 0% (0/57)
Yellow: 0% (0/57)
Red: 0% (0/57)

D16 | WREF_P2 (Wind River Experimental Forest Priority 2)

Flown: 0% (0/21)
Green: 0% (0/21)
Yellow: 0% (0/21)
Red: 0% (0/21)

Weather Forecast

Hillsboro, OR (FBO)

<table>
<thead>
<tr>
<th>Sun 7/10</th>
<th>Mon 7/11</th>
<th>Tue 7/12</th>
<th>Wed 7/13</th>
<th>Thu 7/14</th>
<th>Fri 7/15</th>
<th>Sat 7/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partly Cloudy 0 in</td>
<td>Sunny 0 in</td>
<td>Sunny 0 in</td>
<td>Partly Cloudy 0 in</td>
<td>Sunny 0 in</td>
<td>Mostly Sunny 0 in</td>
<td>Partly Cloudy 0 in</td>
</tr>
<tr>
<td>80°</td>
<td>94°</td>
<td>90°</td>
<td>80°</td>
<td>84°</td>
<td>83°</td>
<td>79°</td>
</tr>
<tr>
<td>57°F</td>
<td>63°F</td>
<td>55°F</td>
<td>53°F</td>
<td>56°F</td>
<td>58°F</td>
<td>56°F</td>
</tr>
</tbody>
</table>
Carson, WA (ABBY, WREF)

<table>
<thead>
<tr>
<th>Date</th>
<th>Temperature</th>
<th>Cloud Cover</th>
<th>Chance of Precip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun 7/10</td>
<td>79°</td>
<td>56°F</td>
<td>Partly Cloudy 0 in</td>
</tr>
<tr>
<td>Mon 7/11</td>
<td>94°</td>
<td>63°F</td>
<td>Sunny 0 in</td>
</tr>
<tr>
<td>Tue 7/12</td>
<td>93°</td>
<td>56°F</td>
<td>Sunny 0 in</td>
</tr>
<tr>
<td>Wed 7/13</td>
<td>79°</td>
<td>55°F</td>
<td>Mostly Sunny 0 in</td>
</tr>
<tr>
<td>Thu 7/14</td>
<td>84°</td>
<td>57°F</td>
<td>Sunny 0 in</td>
</tr>
<tr>
<td>Fri 7/15</td>
<td>83°</td>
<td>58°F</td>
<td>Sunny 0 in</td>
</tr>
<tr>
<td>Sat 7/16</td>
<td>80°</td>
<td>56°F</td>
<td>Mostly Sunny 0 in</td>
</tr>
</tbody>
</table>

McKenzie Bridge, OR (MCRA)

<table>
<thead>
<tr>
<th>Date</th>
<th>Temperature</th>
<th>Cloud Cover</th>
<th>Chance of Precip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun 7/10</td>
<td>83°</td>
<td>59°F</td>
<td>Mostly Sunny 0 in</td>
</tr>
<tr>
<td>Mon 7/11</td>
<td>98°</td>
<td>65°F</td>
<td>Sunny 0 in</td>
</tr>
<tr>
<td>Tue 7/12</td>
<td>90°</td>
<td>60°F</td>
<td>Sunny 0 in</td>
</tr>
<tr>
<td>Wed 7/13</td>
<td>82°</td>
<td>56°F</td>
<td>Partly Cloudy 0 in</td>
</tr>
<tr>
<td>Thu 7/14</td>
<td>86°</td>
<td>57°F</td>
<td>Sunny 0 in</td>
</tr>
<tr>
<td>Fri 7/15</td>
<td>84°</td>
<td>57°F</td>
<td>Sunny 0 in</td>
</tr>
<tr>
<td>Sat 7/16</td>
<td>81°</td>
<td>56°F</td>
<td>Partly Cloudy 0 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Flight Collection Plan for July 10, 2022

**Flyority 1**
Collection Area: Abby Road (ABBY)
Flight Plan Name: D16_ABBY_R2_P1_v2_PRM.xml
On-station Time: 1640 UTC / 0940 L

**Flyority 2**
Collection Area: Wind River Experimental Forest (WREF) – Priority 1 Flight Box
Flight Plan Name: D16_WREF_C1_P1_P2_v3_PRM.xml
On-station Time: 1640 UTC / 0940 L
**Flyority 3**
Collection Area: McRae Creek (MCRA)
Flight Plan Name: D16_MCRA_A2_P1_v2_PRM.xml
On-station Time: 1640 UTC / 0940 L

**Flyority 4**
Collection Area: Wind River Experimental Forest (WREF) – Priority 2 Flight Box
Flight Plan Name: D16_WREF_C1_P1_P2_v3_PRM.xml
On-station Time: 1640 UTC / 0940 L

**Flyority 5**
Collection Area: Nominal Runway – D16
Flight Plan Name: D16_N16A_Nominal_Runway_Test_v2_PRM.xml
On-station Time: N/A

Crew: Abe (Lidar), Mike (NIS)