Payload 1 Daily Flight Report

Date: 2022-07-06
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: 9

Report Author: Cameron
Lidar Operators: Cameron
Spectrometer Operators: Michael
Pilots: Justin, Robbie

Flight Hours: 00:00
Hours until maintenance: 121.25

Summary
Overcast skies and intermittent rain showers persisted much of the day. No flights were conducted.

Concerns
- None

Comments
- Crew will conduct a test of the Non-ECS with the Lab tomorrow morning.

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 )

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<tr>
<th>1</th>
<th>2</th>
<th>3</th>
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</tbody>
</table>

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)
Carson, WA (ABBY, WREF)

<table>
<thead>
<tr>
<th>Date</th>
<th>AM Clouds/PM Sun</th>
<th>PM Temperature</th>
<th>Weather</th>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thu 7/7</td>
<td></td>
<td>76°F</td>
<td>Sunny</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Fri 7/8</td>
<td></td>
<td>79°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Sat 7/9</td>
<td></td>
<td>79°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Sun 7/10</td>
<td></td>
<td>79°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Mon 7/11</td>
<td></td>
<td>93°F</td>
<td>Sunny</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Tue 7/12</td>
<td></td>
<td>94°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Wed 7/13</td>
<td></td>
<td>84°F</td>
<td>Mostly Sunny</td>
<td>0 in</td>
<td>0%</td>
</tr>
</tbody>
</table>

source: wunderground.com

McKenzie Bridge, OR (MCRA)

<table>
<thead>
<tr>
<th>Date</th>
<th>AM Clouds/PM Sun</th>
<th>PM Temperature</th>
<th>Weather</th>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thu 7/7</td>
<td></td>
<td>71°F</td>
<td>Cloudy</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Fri 7/8</td>
<td></td>
<td>77°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Sat 7/9</td>
<td></td>
<td>78°F</td>
<td>Mostly Sunny</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Sun 7/10</td>
<td></td>
<td>81°F</td>
<td>Sunny</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Mon 7/11</td>
<td></td>
<td>94°F</td>
<td>Sunny</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Tue 7/12</td>
<td></td>
<td>91°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
<td>0%</td>
</tr>
<tr>
<td>Wed 7/13</td>
<td></td>
<td>85°F</td>
<td>Mostly Sunny</td>
<td>0 in</td>
<td>0%</td>
</tr>
</tbody>
</table>

source: wunderground.com

**Flight Collection Plan for July 7, 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: Cam (Lidar), Mike (NIS)

source: wunderground.com