Flight Campaign ID: 2017_P2C1
FBO ID & City: Hillsboro Airport (KHIO) - Hillsboro, OR
Domain: 16
Sites Flown: ABBY
Days left in Domain: 12
Flight Hours: 00:45
Hours until maintenance: 73.25

Date: 2017-06-11
Report Author: Matt Devoe
Pilots: Kyler Dalton, Stephen Brawder
Flight Crew: Matt Devoe, Ivana Vu
Ground/GPS: Mitch Haynes
Additional Personnel:

GPS Instruments:
04 - KHIO, 12 - ABBY

Summary:
- ABBY cloud deck at 3500ft AGL. Survey Alt is 4400ft AGL. Unable to achieve target Alt.
- Crew made decision to check out conditions at wind river P1. Same conditions present. Unable to reach survey Alt. due to persistent low cloud deck at 3500ft AGL
- Crew made decision to RTB.
- POS files and test shots deleted due to inability to reach survey Alt.

Issues/Concerns:
- None

Comments:
- If poor collection conditions persist on Monday, June 12th, the crew will work with the AOP lab to trouble shoot the cryocooler problem (intermittent starting) and fix the NIS KVM sliding rails.
Pictures: Cumulous layer at 3500ft AGL.

Weather Forecast

<table>
<thead>
<tr>
<th>Graph</th>
<th>Table</th>
<th>Descriptive</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Partly Cloudy](0 in)</td>
<td>![Overcast](0 in)</td>
<td>![Overcast](0 in)</td>
</tr>
<tr>
<td>![Overcast](0 in)</td>
<td>![Overcast](0 in)</td>
<td>![Rain](0.33 in)</td>
</tr>
<tr>
<td>![Rain](0.05 in)</td>
<td>![Mostly Cloudy](0.02 in)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sun 06/11</th>
<th>Mon 06/12</th>
<th>Tue 06/13</th>
<th>Wed 06/14</th>
<th>Thu 06/15</th>
<th>Fri 06/16</th>
<th>Sat 06/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>66°F</td>
<td>50°F</td>
<td>63°F</td>
<td>51°F</td>
<td>64°F</td>
<td>48°F</td>
<td>68°F</td>
</tr>
</tbody>
</table>

Partly Cloudy Overcast Overcast Overcast Rain Chance of Rain Mostly Cloudy

Precipitation:
- Sun 06/11: 0.40 in
- Mon 06/12: 0.00 in
- Tue 06/13: 0.00 in
- Wed 06/14: 0.00 in
- Thu 06/15: 0.00 in
- Fri 06/16: 0.00 in
- Sat 06/17: 0.00 in

Cloud Cover (%):

Chance of Precip. (%):

Resolving host...
Flight Collection Plan for 12 June 2017:

**Flyority 1**
Collection Area: Wind River Experimental Forest (WREF) – Priority 1 Flight Box
Flight Plan Name: D16_WREF_C1_P1_v2.pln
On Station: 0930 L / 1630 UTC

**Flyority 2**
Collection Area: Abbey Road (ABBY), lines 2-17 & 43-44
Flight Plan Name: D16_ABBY_R2_P1_v2.pln
On Station: 0930 L / 1630 UTC

**Flyority 3**
Collection Area: Wind River Experimental Forest (WREF) – Priority 2 Flight Box
Flight Plan Name: D16_WREF_C1_P2_v2.pln
On Station: 0930 L / 1630 UTC

**Crew**
Lidar: Ivana Vu
NIS: Matt DeVoe
Ground / GPS: Mitch Haynes

Flight Collection Plan for 13 June 2017

**Flyority 1**: Wind River Experimental Forest (WREF) – Priority 1 Flight Box
**Flyority 2**: Abbey Road (ABBY), lines 2-17 & 43-44
**Flyority 3**: Wind River Experimental Forest (WREF) – Priority 2 Flight Box

**Crew**
Lidar: Matt DeVoe
NIS: Ivana Vu
Ground / GPS: Mitch Haynes