Date: 2023-06-30
Flight Campaign ID: P1C1
Airport, FBO ID, City: Portland-Hillsboro Airport (KHIO) - Hillsboro, OR
Aircraft: N331AR

Domain: 16 (Pacific Northwest)
Sites Flown: WREF_P2 (Wind River Experimental Forest Priority 2)
Days left in Domain: 8

Report Author: Elissa
Lidar Operators: Elissa
Spectrometer Operators: Mike
Pilots: Jeff, Will

Flight Hours: 02:28
Hours until maintenance: 103.00
GPS Instruments: 07 - FBO_KHIO, AOP_WREF

Summary
Sunny and clear conditions this morning permitted yet another flight's worth of green collections. The Wind River priority 2 flight box was completed.

Concerns
None.

Comments
RAID 10 was formatted and the delayed extraction of yesterday's flight is underway.

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>

D16|WREF_P2

<table>
<thead>
<tr>
<th>Line #</th>
<th>58</th>
<th>59</th>
<th>60</th>
<th>61</th>
<th>62</th>
<th>63</th>
<th>64</th>
<th>65</th>
<th>66</th>
<th>67</th>
<th>68</th>
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<th>71</th>
<th>72</th>
<th>73</th>
<th>74</th>
<th>75</th>
<th>76</th>
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</thead>
<tbody>
<tr>
<td>Lidar</td>
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<td>✓</td>
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<td>✓</td>
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<tr>
<td>Camera</td>
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<tr>
<td>Cloud Cover</td>
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<td>✓</td>
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</tbody>
</table>

Total number of lines flown: 19
Flight Screenshots

Lidar

NIS
Mt Rainier as seen from Wind River on one of our least hazy days yet.

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: 100% (44/44)
Green: 100% (44/44)
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)

1

Flown: 100% (1/1)
Green: 100% (1/1)
Yellow: 0% (0/1)
Red: 0% (0/1)
D16|WREF_P1 (Wind River Experimental Forest Priority 1)

Flown: 100% (57/57)
Green: 100% (57/57)
Yellow: 0% (0/57)
Red: 0% (0/57)

D16|WREF_P2 (Wind River Experimental Forest Priority 2)

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

Weather Forecast

Hillsboro, OR (KHI O)

<table>
<thead>
<tr>
<th>Sat 7/1</th>
<th>Sun 7/2</th>
<th>Mon 7/3</th>
<th>Tue 7/4</th>
<th>Wed 7/5</th>
<th>Thu 7/6</th>
<th>Fri 7/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>83°</td>
<td>51°F</td>
<td>Sunny</td>
<td>0 in</td>
<td></td>
<td>Sunny</td>
<td>0 in</td>
</tr>
</tbody>
</table>

McKenzie Bridge, OR (MCRA)

<table>
<thead>
<tr>
<th>Sat 7/1</th>
<th>Sun 7/2</th>
<th>Mon 7/3</th>
<th>Tue 7/4</th>
<th>Wed 7/5</th>
<th>Thu 7/6</th>
<th>Fri 7/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>88°</td>
<td>55°F</td>
<td>Sunny</td>
<td>0 in</td>
<td></td>
<td>Sunny</td>
<td>0 in</td>
</tr>
</tbody>
</table>

source: wunderground.com
Flight Collection Plan for 1 July 2023

Flyority 1
Collection Area: McRae Creek (MCRA)
Flight Plan Name: D16_MCRA_A2_P1_v2_PRM.xml
On-Station Time: 1630 UTC / 0930 L

Crew: Mike (Lidar), Elissa (NIS)