

# Payload 3 Daily Flight Report

Date: 2025-07-26

Flight Campaign ID: P3C1

Airport, FBO ID, City: Portland-Hillsborough Airport (KHIO) - Hillsboro, OR; -

Aircraft: N821AR

**Domain**: 16 (Pacific Northwest)

Sites Flown: None
Days left in Domain: 8

**Report Author**: Cameron

**Lidar Operators**: Cameron Flight Hours: 00:00

Spectrometer Operators: Elissa Hours until maintenance: 107.08

Pilots: Justin, Troy

### **Summary**

Overcast skies across the region prevented flights from occurring today.

#### **Concerns**

- None

#### **Comments**

- Pilot rotation. Justin and Troy Out. Jacob and Mac in.

# **Daily Coverage**

**Estimated Cloud Cover Key** 

| Green: | Yellow: | Red: |
|--------|---------|------|
| 0-10%  | 11-50%  | >50% |

Solar Angle Less Than 40 degrees: (\*)

### **Cumulative Domain Coverage**

# D16 | ABBY (Abby Road)

| Ī | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Ī | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| ĺ | 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)



<sup>\*</sup> Flown within 35deg solar angle

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# 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: 2% (1/57) Green: 0% (0/57) Yellow: 2% (1/57) 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 | 79 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Flown: 100% (22/22) Green: 0% (0/22) Yellow: 100% (22/22) Red: 0% (0/22)

### **Weather Forecast**

## Hillsboro, OR (KHIO)

| AM Clouds/PM Sunny Sunny Sunny Partly Cloudy Partly Cloudy Partly Cloudy | Sun 7/27   | Mon 7/28    | Tue 7/29    | Wed 7/30     | Thu 7/31      | Fri 8/1       | Sat 8/2      |
|--|------------|-------------|-------------|--------------|---------------|---------------|--------------|
| Sun  | 82°   52°F | 87°   55°F  | 92°   59°F  | 89°   57°F   | 85°   56°F    | 84°   55°F    | 82°   55°F   |
| Sun  |            |             |             |              |               |               |              |
|  |            | Sunny       | Sunny       | Mostly Sunny | Partly Cloudy | Partly Cloudy | Partly Cloud |
|  |            | <b>0</b> in | <b>0</b> in | 0 in         | 0 in          | <b>0</b> in   | <b>0</b> in  |
|  | 0 in       | 0 in        | 0 in        | 0 in         | 0 in          | 0 in          | 0 ir         |
|  |            |             |             | ^            |               |               |              |
|  |            |             | ^           |              |               |               |              |

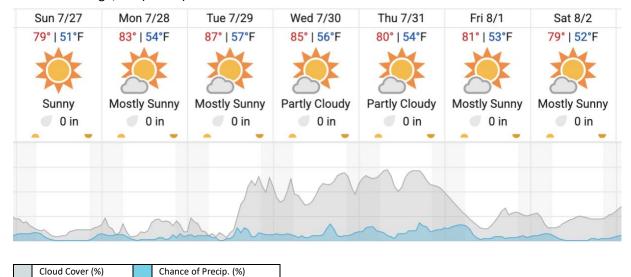
## Carson, WA (WREF, ABBY)

| Sun 7/27<br>82°   55°F<br>Partly Cloudy<br>0 in | Mon 7/28<br>88°   58°F<br>Sunny<br>0 in | Tue 7/29 94°   63°F Mostly Sunny 0 in | Wed 7/30<br>89°   60°F<br>Partly Cloudy<br>0 in | Thu 7/31<br>83°   59°F<br>Partly Cloudy<br>0 in | Fri 8/1  82°   57°F  Mostly Sunny  0 in | Sat 8/2<br>81°   56°F<br>Mostly Sunny<br>0 in |
|---|---|---------------------------------------|---|---|---|---|
|   | <u> </u>                                |                                       |   |   |   |   |

<sup>\*</sup> Flown within 35deg solar angle

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### McKenzie Bridge, OR (MCRA)



source: wunderground.com

## Flight Collection Plan for 27 July 2025

Flyority 1

Collection Area: Wind River Experimental Forest (WREF) P1

Flight Plan Name: D16\_WREF\_C1\_P1\_v4\_Q780

On-Station Time: 1650 UTC / 0950 L

Flyority 2

Collection Area: Abby Road (ABBY)

Flight Plan Name: D16\_ABBY\_R1\_P1\_v3\_Q780

On-Station Time: 1650 UTC / 0950 L

Flyority 3

Collection Area: Wind River Experimental Forest (WREF) P2

Flight Plan Name: D16\_WREF\_C1\_P2\_v3\_Q780

On-Station Time: 1650 UTC / 0950 L

Flyority 4

Collection Area: McRae Creek (MCRA)

Flight Plan Name: D16\_MCRA\_A2\_P1\_v1\_Q780

On-Station Time: 1650 UTC / 0950 L

Crew: Elissa (Lidar), Cam (NIS)