



Payload 3 Daily Flight Report

Date: 2025-07-24

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: 10

Report Author: Mitch

Lidar Operators: Mitch

Flight Hours: 00:00

Spectrometer Operators: Cameron

Hours until maintenance: 107.08

Pilots: Justin, Troy

Ground Crew: Elissa

Summary

A high stratus marine layer, seen on satellite imagery creeping up the Columbia River Valley this morning, combined with the same moderate to heavy haze encountered during yesterday's flight, kept the crew grounded and weighing options, as wildfire smoke showed no signs of clearing. No flights occurred.

Concerns

None

Comments

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)

* Flown within 35deg solar angle

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)

* Flown within 35deg solar angle

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)
 * Flown within 35deg solar angle

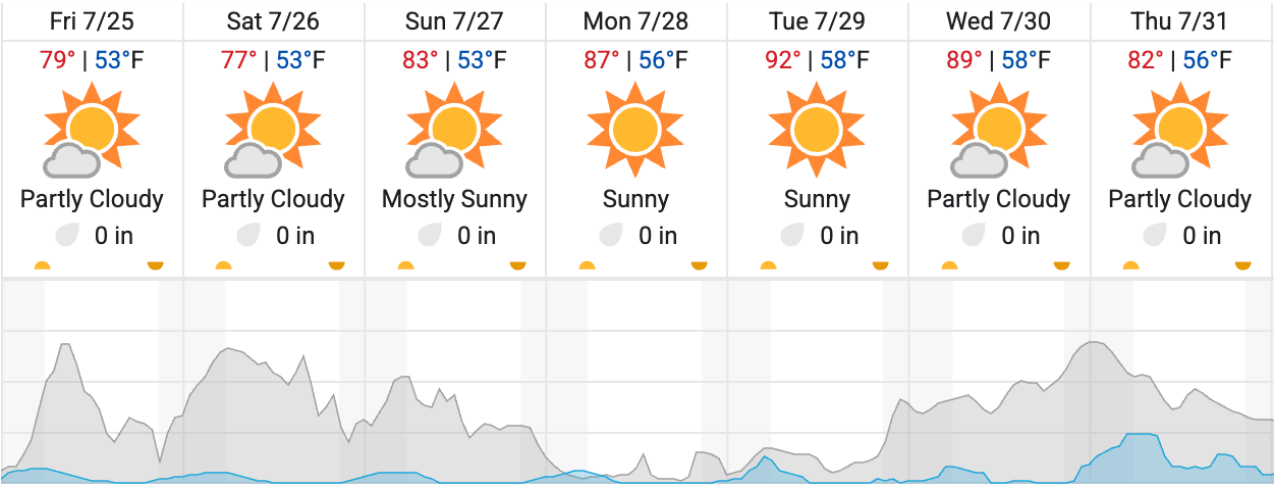
D16|WREF_P2 (Wind River Experimental Forest Priority 2)

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 |
| 78 | 79 | | | | | | | | | | | | | | | | | | |

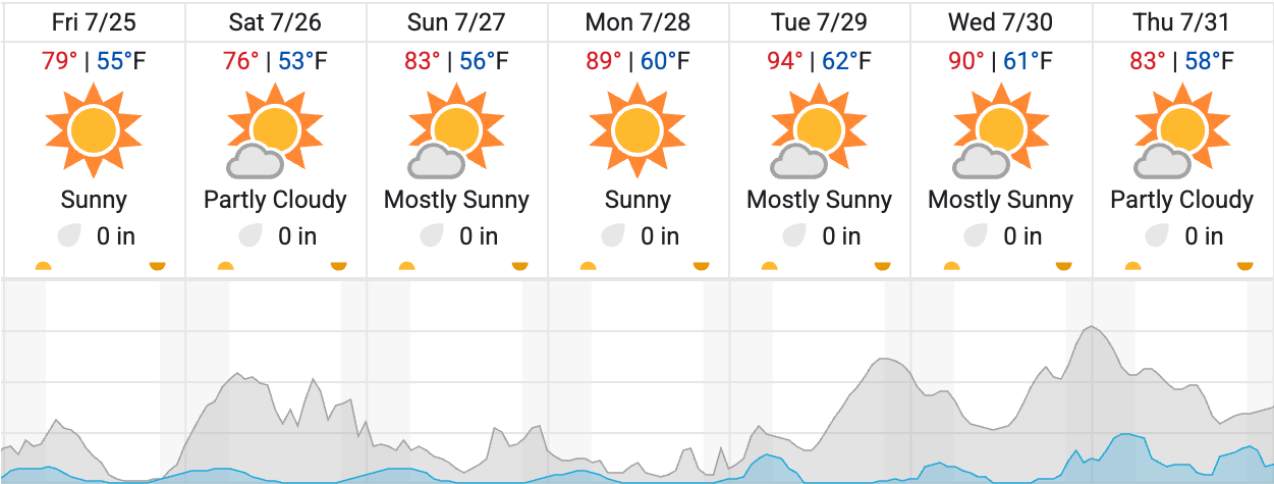
Flown: 100% (22/22)
 Green: 0% (0/22)
 Yellow: 100% (22/22)
 Red: 0% (0/22)
 * Flown within 35deg solar angle

Weather Forecast

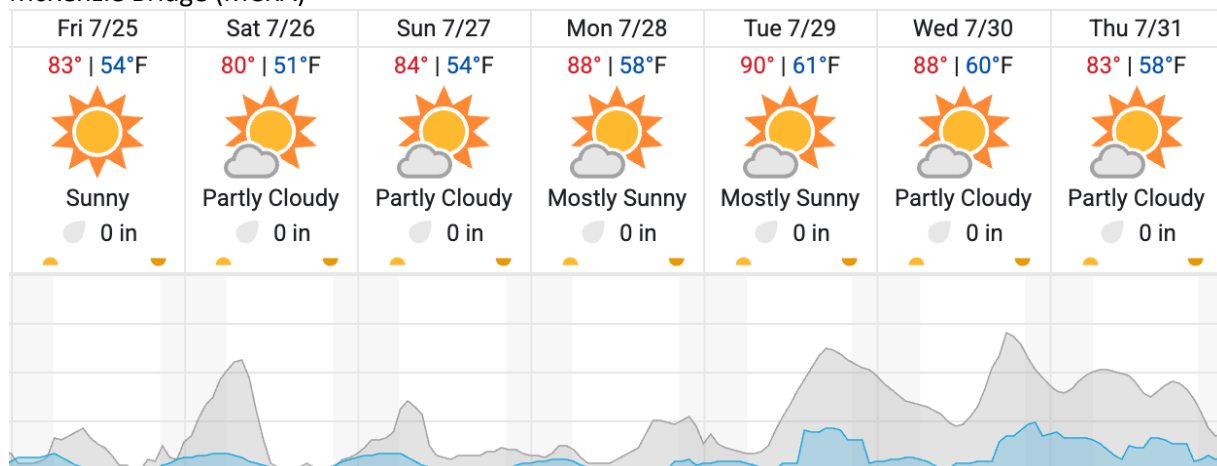
Hillsboro, OR (KHIO)



Carson, WA (WREF, ABBY)



McKenzie Bridge (MCRA)



source: wunderground.com

Flight Collection Plan for July 25, 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)