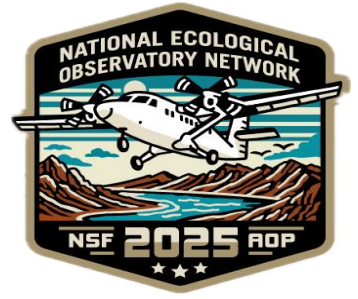




Payload 3 Daily Flight Report



Date: 2025-07-27

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: Elissa

Lidar Operators: Elissa

Flight Hours: 00:00

Spectrometer Operators: Cameron

Hours until maintenance: 107.08

Pilots: Jacob, Mack

Summary

No flights conducted today due to heavy cumulus cloud cover during solar angle. Better conditions are expected in the coming days.

Concerns

None.

Comments

None.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

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

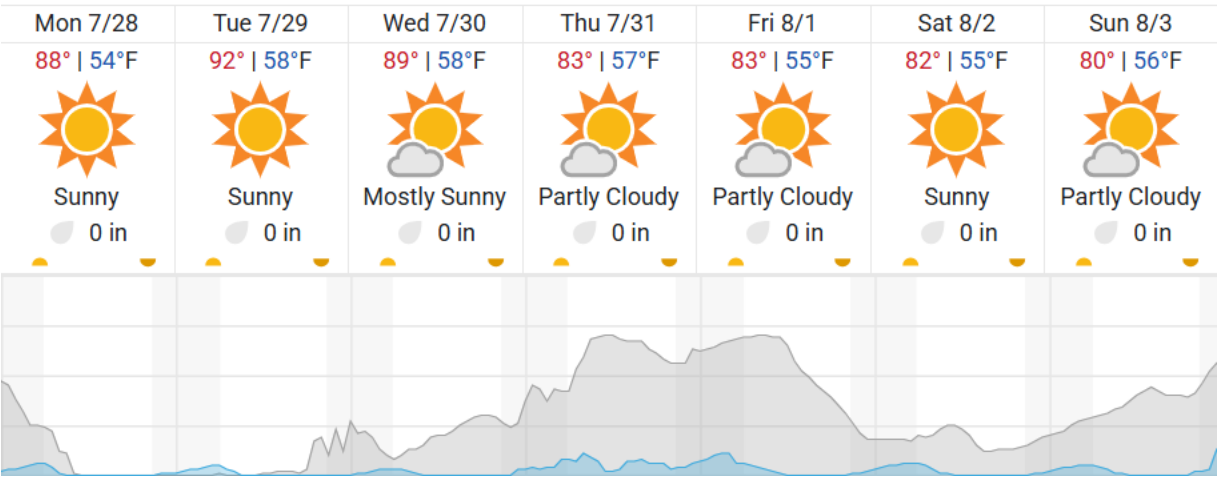
D16|WREF_P2 (Wind River Experimental Forest Priority 2)

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

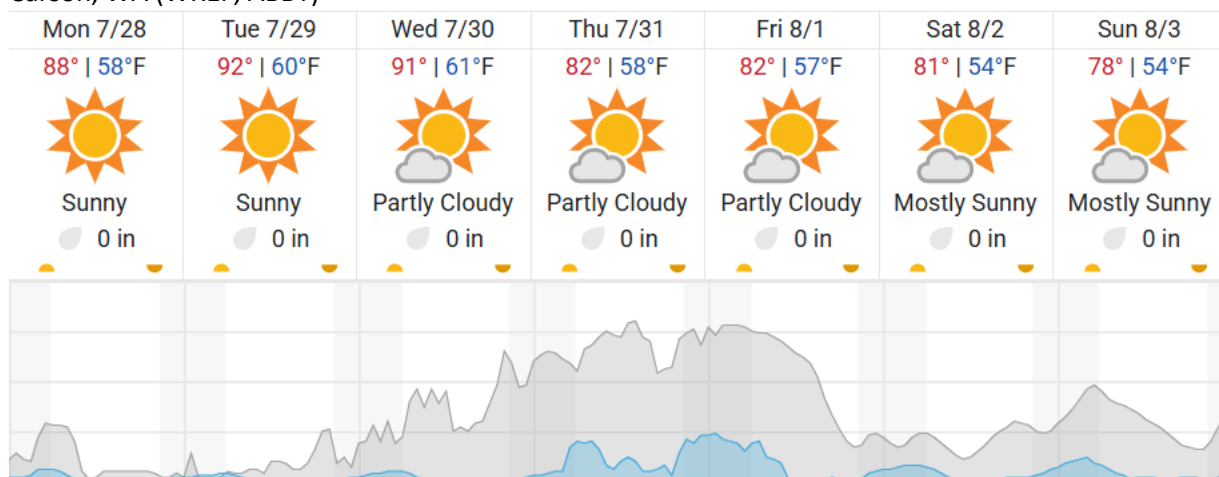
Flown: 100% (22/22)
Green: 0% (0/22)
Yellow: 100% (22/22)
Red: 0% (0/22)
* Flown within 35deg solar angle

Weather Forecast

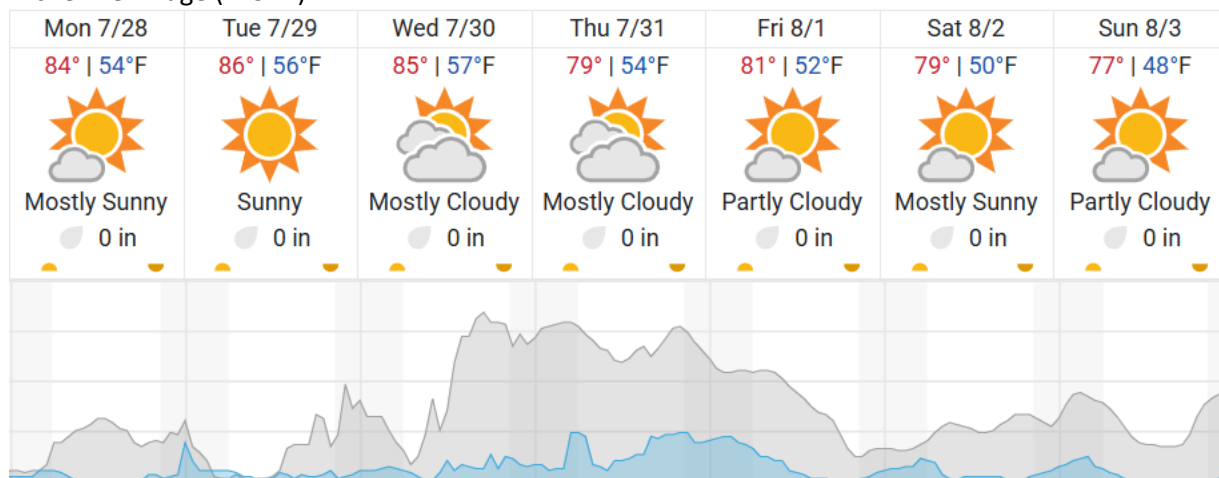
Hillsboro, OR (KHIO)



Carson, WA (WREF, ABBY)



McKenzie Bridge (MCRA)



source: wunderground.com

Flight Collection Plan for 28 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: Cam (Lidar), Elissa (NIS)