



Payload 3 Daily Flight Report

Date: 2025-07-22

Flight Campaign ID: P3C1

Airport, FBO ID, City: Bozeman Yellowstone International Airport (KBZN) - Belgrade, MT; Walla Walla Regional Airport (KALW) - Walla Walla, WA; Portland-Hillsborough Airport (KHIO) - Hillsboro, OR

Aircraft: N821AR

Domain: 16 (Pacific Northwest)

Sites Flown: Transit (KBZN -> KALW -> KHIO)

Days left in Domain: 12

Report Author: Mitch

Lidar Operators: Mitch

Spectrometer Operators:

Pilots: Justin, Troy

Ground Crew: Cameron, Elissa

Flight Hours: 02:14:00, 01:26:00

Hours until maintenance: 110.47

Summary

Crew successfully transited from D12-Bozeman to D16-Hillsboro, having to shut the system down for the first leg to go IFR. System was turned on for the second leg and remained within spec, and is ready for surveys tomorrow.

Concerns

None

Comments

None

Pictures: Haze may be an issue, with large amounts of smoke being produced from the nearby Burdoin Wildfires.



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
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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: 0% (0/57)
Green: 0% (0/57)
Yellow: 0% (0/57)
Red: 0% (0/57)
* Flown within 35deg solar angle

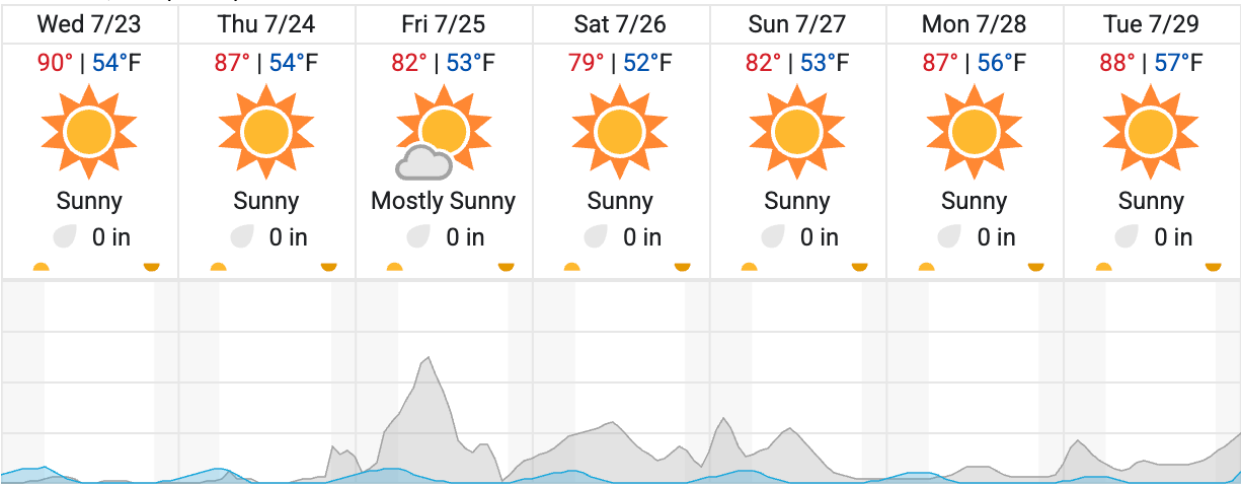
D16|WREF_P2 (Wind River Experimental Forest Priority 2)

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

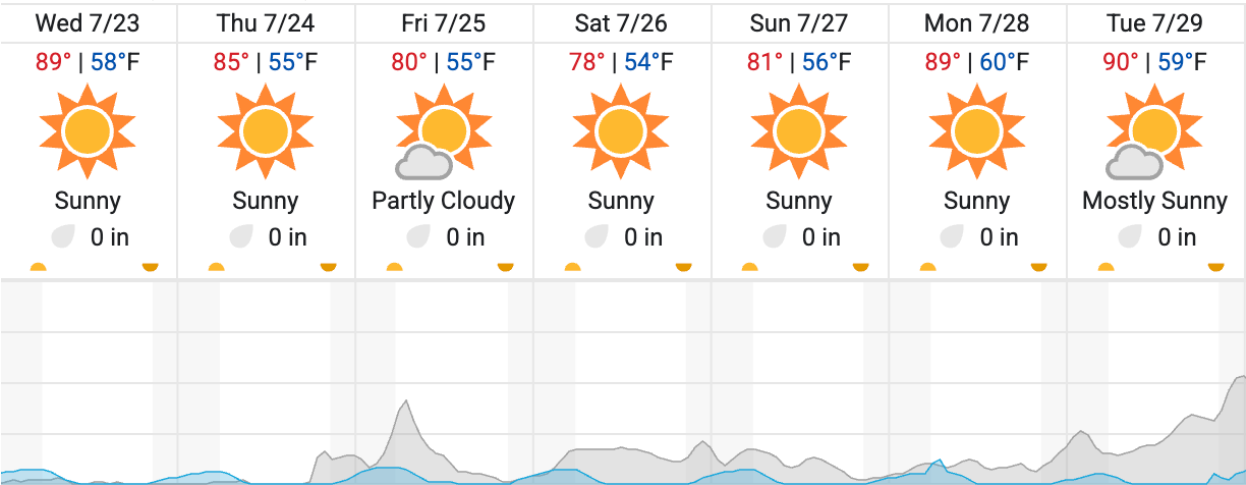
Flown: 0% (0/21)
Green: 0% (0/21)
Yellow: 0% (0/21)
Red: 0% (0/21)
* Flown within 35deg solar angle

Weather Forecast

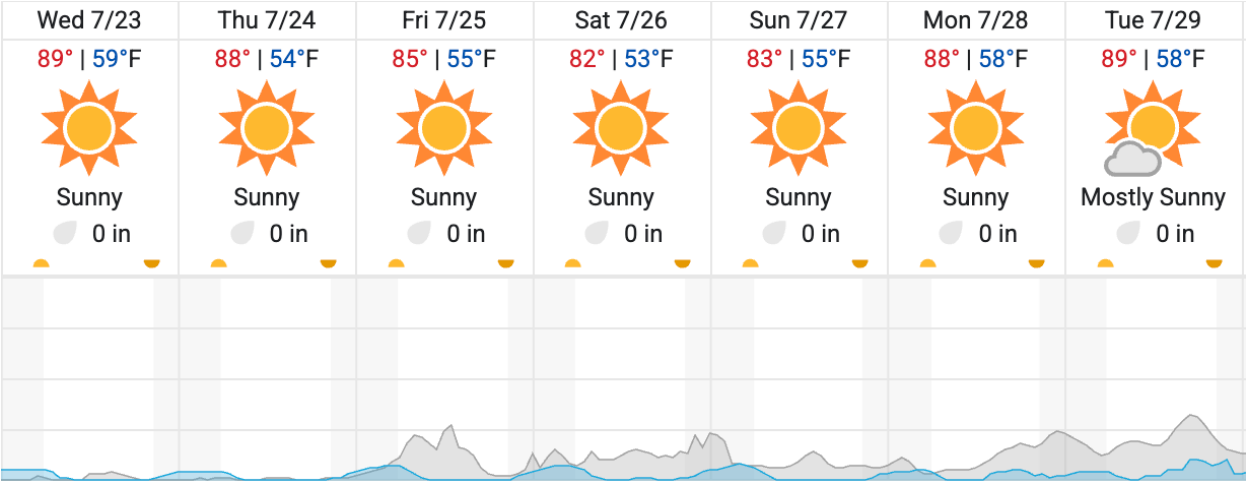
Hillsboro, OR (KHIO)



Carson, WA (WREF, ABBY)



McKenzie Bridge (MCRA)



source: wunderground.com

Flight Collection Plan for July 23, 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_v4_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: Cameron (Lidar), Mitch (NIS)