



Payload 1 Daily Flight Report



Date: 2023-06-27

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 16 (Pacific Northwest)

Sites Flown: None

Days left in Domain: 11

Report Author: Mike

Lidar Operators: Mike

Flight Hours: 00:00

Spectrometer Operators: Elissa

Hours until maintenance: 112.28

Pilots: Jeff, Will

Summary

A steady stream of stratus and cirrus moved through the areas today and no flights were conducted. The crew used the time to take care of some GPS issues we have been experiencing.

Concerns

None.

Comments

- A minor repair was performed, and remote connectivity issues were resolved on the mobile FBO unit.
- Domain staff were able to resolve tower site connectivity issues and we now have the WREF and ABBY GPS stations back online as well as the WREF tower camera. The ABBY tower camera is still not available, however.
- Although the tower sites were down, both GPS continued logging data and should upload tonight.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

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)

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)

D16|N16A (D16 Nominal Runway)

1

Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

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: 93% (53/57)
Green: 93% (53/57)
Yellow: 0% (0/57)
Red: 0% (0/57)

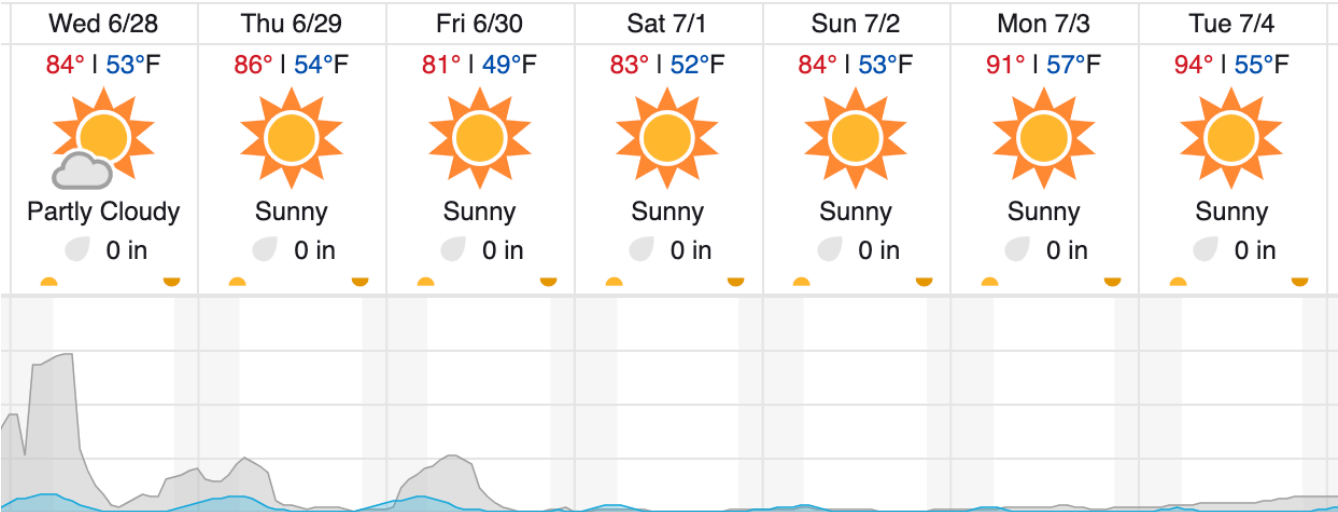
D16|WREF_P2 (Wind River Experimental Forest Priority 2)

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

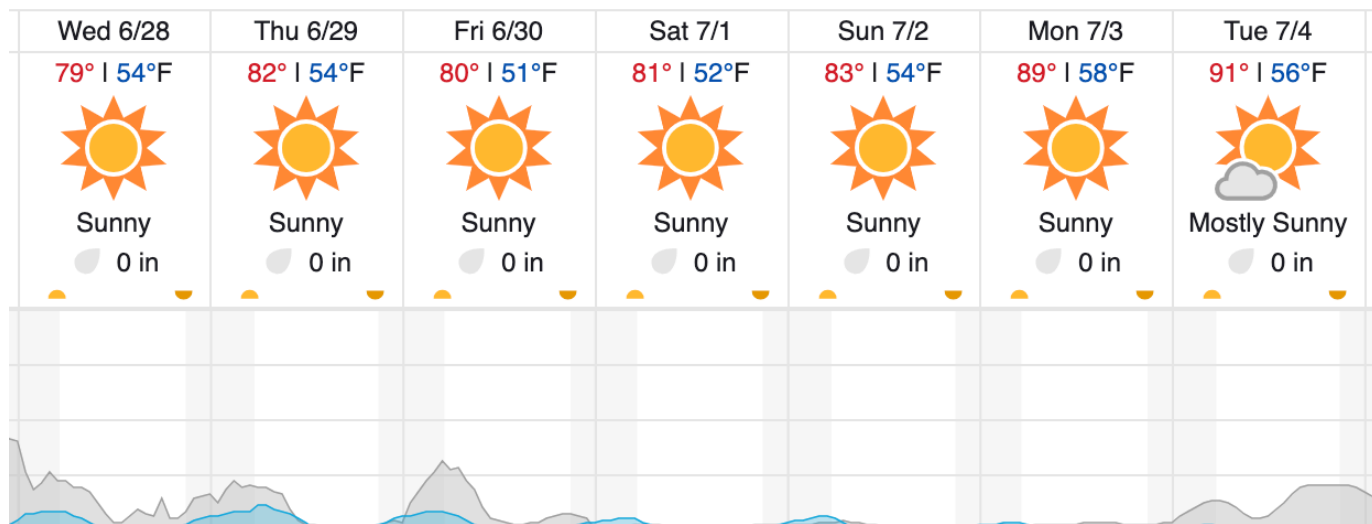
Flown: 10% (2/21)
Green: 10% (2/21)
Yellow: 0% (0/21)
Red: 0% (0/21)

Weather Forecast

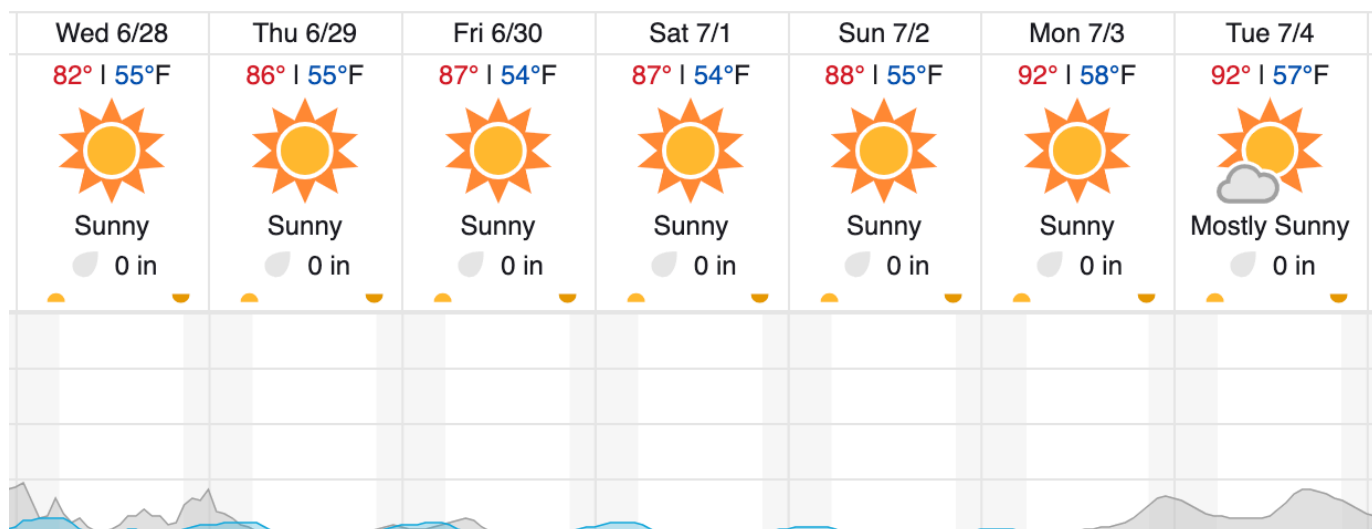
Hillsboro, OR (KHIO)



Carson, WA (WREF, ABBY)



McKenzie Bridge, OR (MCRA)



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 27 June 2023

Flyority 1

Collection Area: Wind River Experimental Forest (WREF) P1 (lines 54-57)

Flight Plan Name: D16_WREF_C1_P1_P2_v3_PRM.xml

On-Station Time: 1630 UTC / 0930 L

Flyority 2

Collection Area: Abby Road (ABBY)

Flight Plan Name: D16_ABBY_R2_P1_v2_PRM.xml

On-Station Time: 1630 UTC / 0930 L

Flyority 3

Collection Area: Wind River Experimental Forest (WREF) P2

Flight Plan Name: D16_WREF_C1_P1_P2_v3_PRM.xml

On-Station Time: 1630 UTC / 0930 L

Flyority 4

Collection Area: McRae Creek (MCRA)

Flight Plan Name: D16_MCRA_A2_P1_v2_PRM.xml

On-Station Time: 1630 UTC / 0930 L

Crew: Elissa (Lidar), Mike (NIS)