



Payload 1 Daily Flight Report



Date: 2023-06-30

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 16 (Pacific Northwest)

Sites Flown: WREF_P2 (Wind River Experimental Forest Priority 2)

Days left in Domain: 8

Report Author: Elissa

Lidar Operators: Elissa

Spectrometer Operators: Mike

Pilots: Jeff, Will

Flight Hours: 02:28

Hours until maintenance: 103.00

GPS Instruments: 07 - FBO_KHIO, AOP_WREF

Summary

Sunny and clear conditions this morning permitted yet another flight's worth of green collections. The Wind River priority 2 flight box was completed.

Concerns

None.

Comments

RAID 10 was formatted and the delayed extraction of yesterday's flight is underway.

Daily Coverage

Estimated Cloud Cover Key

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

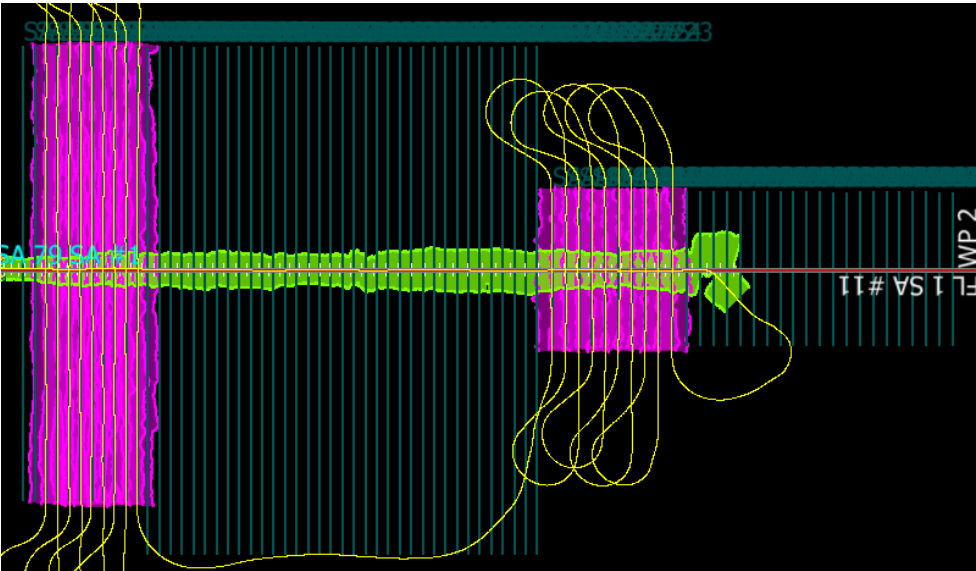
D16|WREF_P2

Line #	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																			

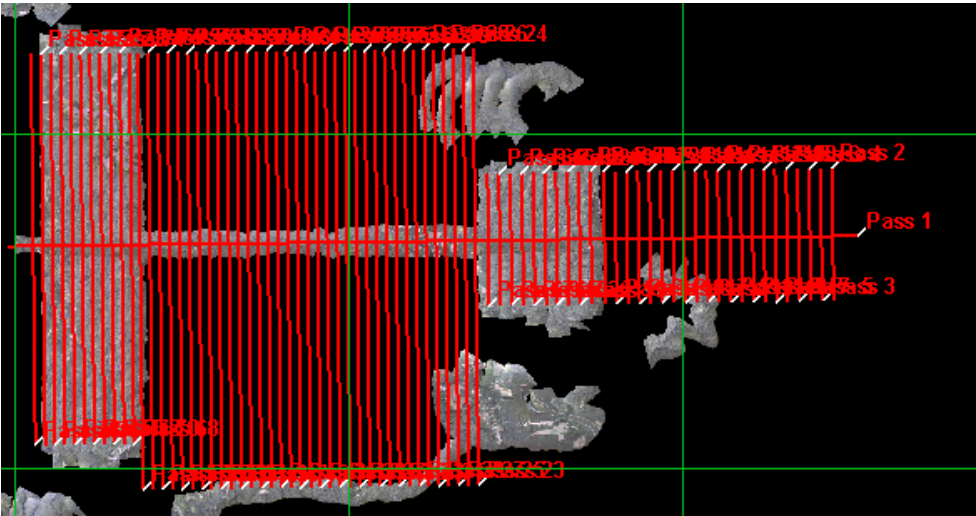
Total number of lines flown: 19

Flight Screenshots

Lidar



NIS



Pictures



Mt Rainier as seen from Wind River on one of our least hazy days yet.

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: 100% (44/44)
Green: 100% (44/44)
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: 100% (1/1)
Green: 100% (1/1)
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: 100% (57/57)
Green: 100% (57/57)
Yellow: 0% (0/57)
Red: 0% (0/57)

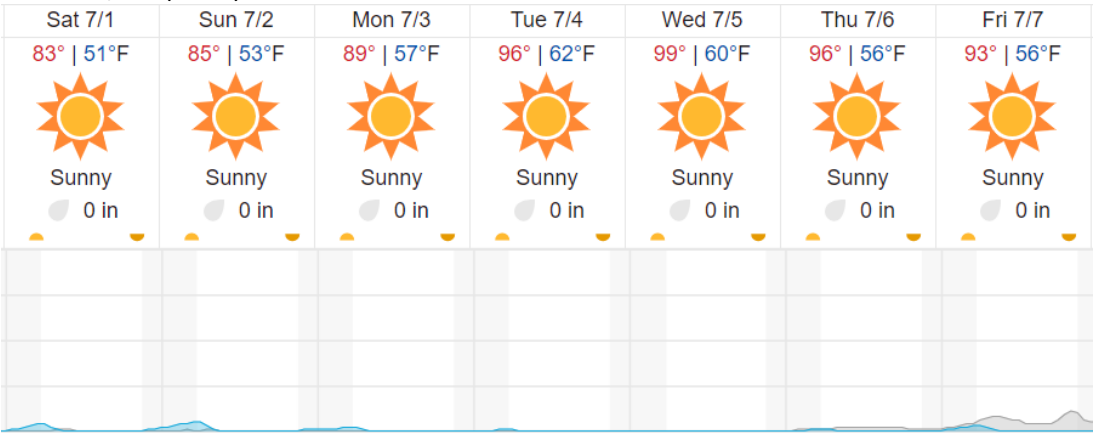
D16| WREF_P2 (Wind River Experimental Forest Priority 2)

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

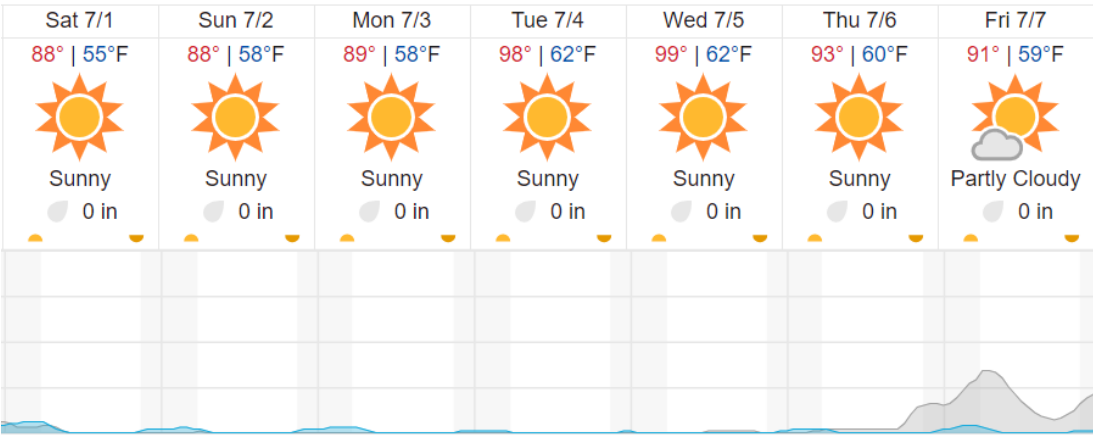
Flown: 100% (21/21)
Green: 100% (21/21)
Yellow: 0% (0/21)
Red: 0% (0/21)

Weather Forecast

Hillsboro, OR (KHIO)



McKenzie Bridge, OR (MCRA)



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

Flight Collection Plan for 1 July 2023

Flyority 1

Collection Area: McRae Creek (MCRA)

Flight Plan Name: D16_MCRA_A2_P1_v2_PRM.xml

On-Station Time: 1630 UTC / 0930 L

Crew: Mike (Lidar), Elissa (NIS)