



July 8, 2018 Payload 3 Daily Flight Report



Date: 2018-07-08

Flight Campaign ID: 2018_P3C1

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

Domain: 16

Sites Flown: WREF_P1 (Wind River Experimental Forest Priority 1)

Days left in Domain: 17

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, Cameron Chapman

Ground/GPS: Heather Rogers

Pilots: Mike Francis, Gina Moore

Additional Personnel:

GPS Instruments: 08 - FBO_KHIO, 09 - WREF

Flight Hours: 02:50

Hours until maintenance: 61.90

Summary

Completed 15 lines of the Wind River Priority 1 flight box before clouds rolled in pushing collection outside of green conditions.

Concerns

None

Comments

None

Daily Coverage

D16 WREF_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
	37				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
	39				✓	✓	✓	NLC
	40				✓	✓	✓	NLC
	41				✓	✓	✓	NLC
	42				✓	✓	✓	NLC
	43				✓	✓	✓	NLC
	44				✓	✓	✓	NLC
	45				✓	✓	✓	NLC
Flown:	16							

Cumulative Domain Coverage

ABBY

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)

WREF_P1

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: 28% (16/57)

Green: 28% (16/57)

Yellow: 0% (0/57)

Red: 0% (0/57)

WREF_P2

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															

Flown: 0% (0/25)

Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

MCRA

1	2	3	4	5	6	7	8	9
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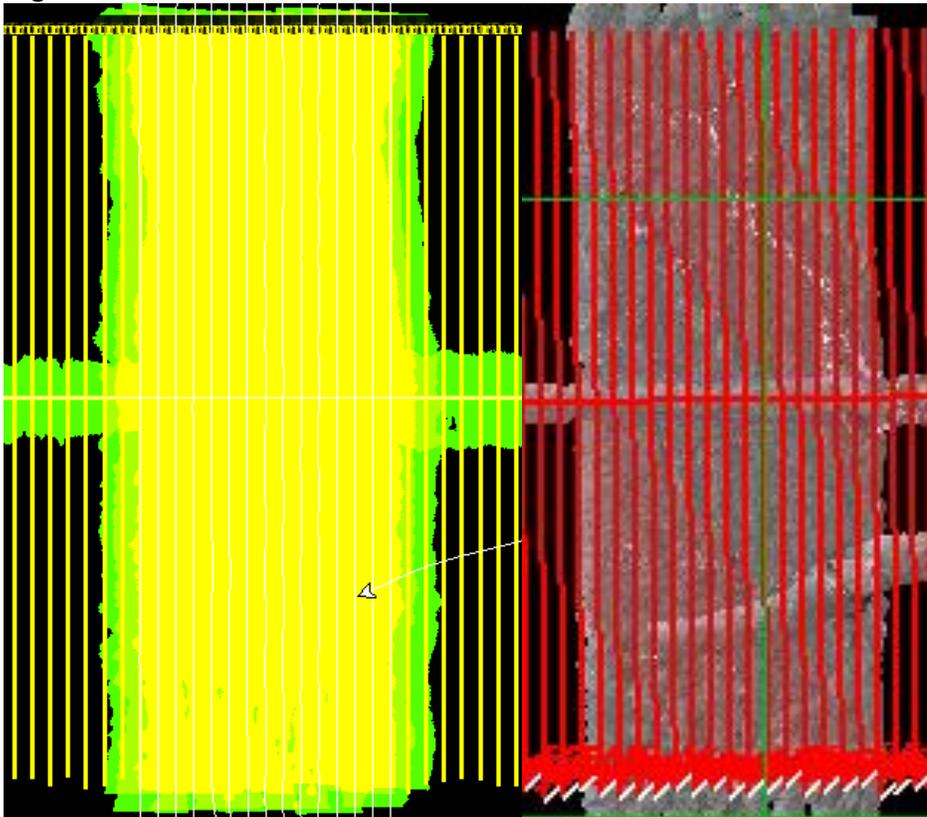
Flown: 0% (0/9)

Green: 0% (0/9)

Yellow: 0% (0/9)

Red: 0% (0/9)

Flight Screenshots



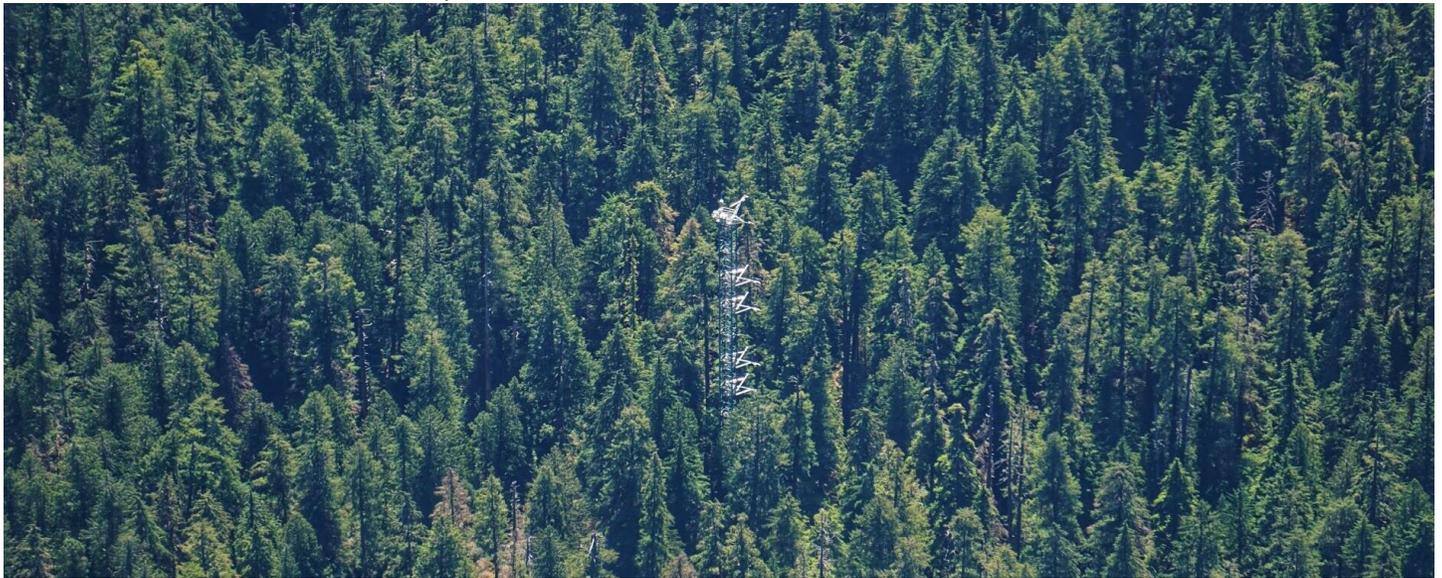
Pictures



Above: Clear skies over WREF this morning. Mt St Helens, Mt Rainier, and Mt Adams (left to right) visible in the distance.
Below: Downtown Portland view from our transit to Wind River.

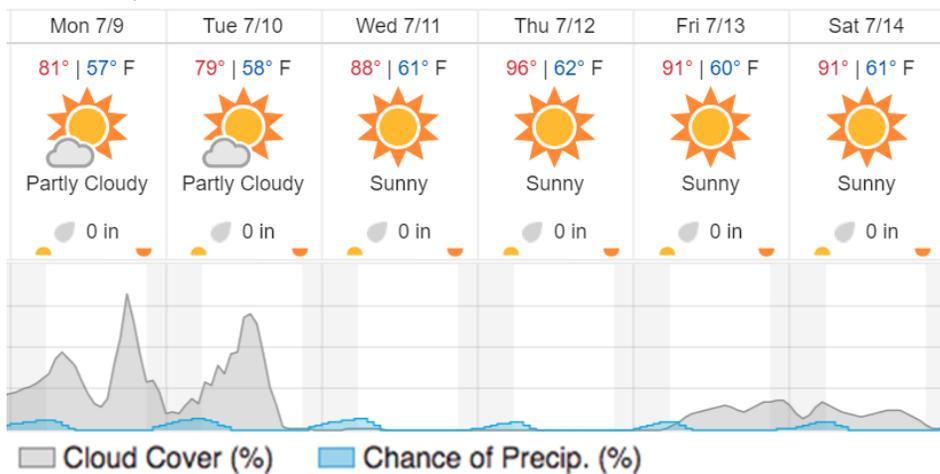


Below: NEON tower at Wind River Experimental Forest



Weather Forecast

Vancouver, WA



Flight Collection Plan for 09 July 2018

Flyority 1:

Collection Area: Wind River Experimental Forest (WREF)

Flight Plan Name: D16_WREF_C1_P1_v2_east_Q780

On-station Time: 1640 UTC / 0940 L

Flyority 2:

Collection Wind River Experimental Forest (WREF)

Flight Plan Name: D16_WREF_C1_P2_v2_east_Q780 (lines 1-13) / D16_WREF_C1_P2_v2_west_Q780 (lines 1, 14-25)

On-station Time: 1640 UTC / 0940 L

Flyority 3:

Collection Area: Abby Road (ABBY)

Flight Plan Name: D16_ABBY_R1_P1_v2_Q780

On-station Time: 1640 UTC / 0940 L

Flyority 4:

Collection Area: McRae Creek (MCRA)

Flight Plan Name: D16_MCRA_backgnd, Klamath_Falls_SEC_98_MCRA

On-station Time: 1640 UTC / 0940L

Crew: Cameron Chapman (Lidar), Heather Rogers (NIS), Mitch Haynes (Ground)