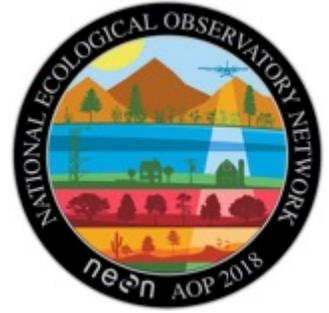




July 11, 2018 Payload 3 Daily Flight Report



Date: 2018-07-11

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: 14

Report Author: Cameron Chapman

Flight Crew: Cameron Chapman, Heather Rogers

Ground/GPS: Mitch Haynes

Pilots: Gina Moore, Mike Francis

Additional Personnel:

GPS Instruments: 08 - FBO_KHIO, 09 - WREF

Flight Hours: 04:51

Hours until maintenance: 57.05

Summary

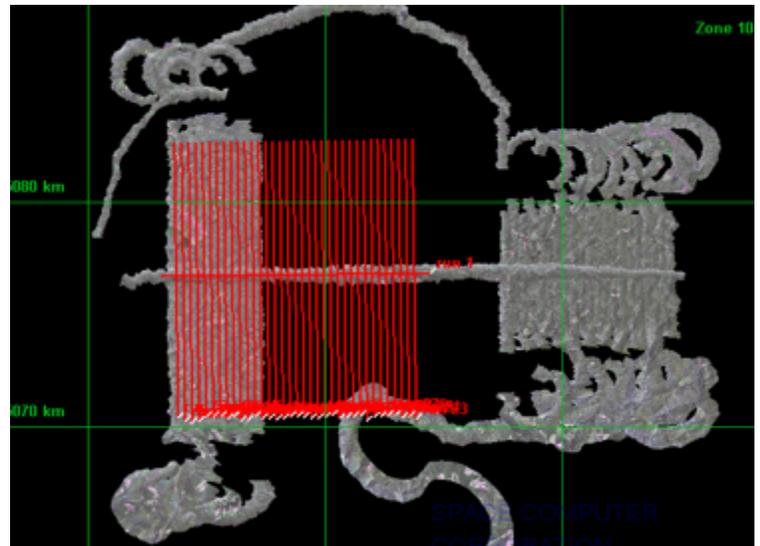
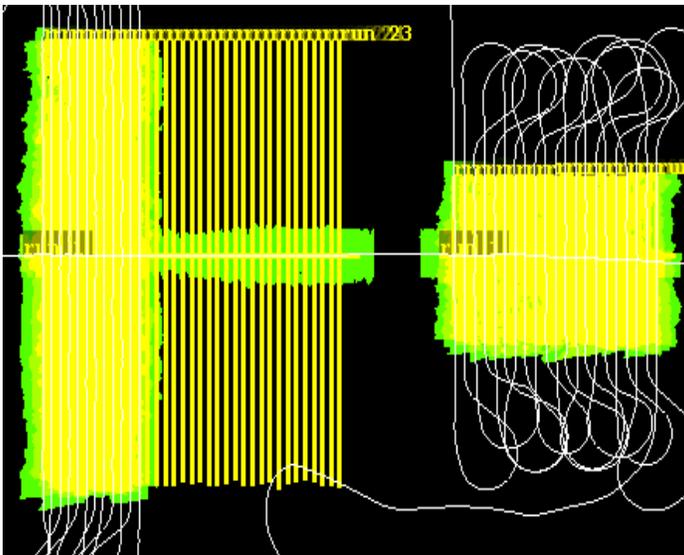
Clear skies in the morning allowed for the collection of lines 1-22 & 46 -57 under nominal "Green" conditions.

Concerns: None

Comments

- Completed Lines 1-22 & 46 – 57
- Crew checked on both ABBY and WREF GPS units yesterday
- Friday is the scheduled crew rotation day and no flight are scheduled

Flight Screenshots



Pictures

Image captured while flying over Wind River Experimental Forest on 20170715



Image of the NEON tower at Wind River Experimental Forest captured on 20180710



Image of Mount St. Helens captured during transit from Wind River Experimental Forest



Daily Coverage

D16 WREF_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	46				✓	✓	✓	NLC
	47				✓	✓	✓	NLC
	48				✓	✓	✓	NLC
	49				✓	✓	✓	NLC
	50				✓	✓	✓	NLC
	51				✓	✓	✓	NLC
	52				✓	✓	✓	NLC
	53				✓	✓	✓	NLC
	54				✓	✓	✓	NLC
	55				✓	✓	✓	NLC
	56				✓	✓	✓	NLC
Flown:	33							

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: 86% (49/57)
 Green: 88% (50/57)
 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)

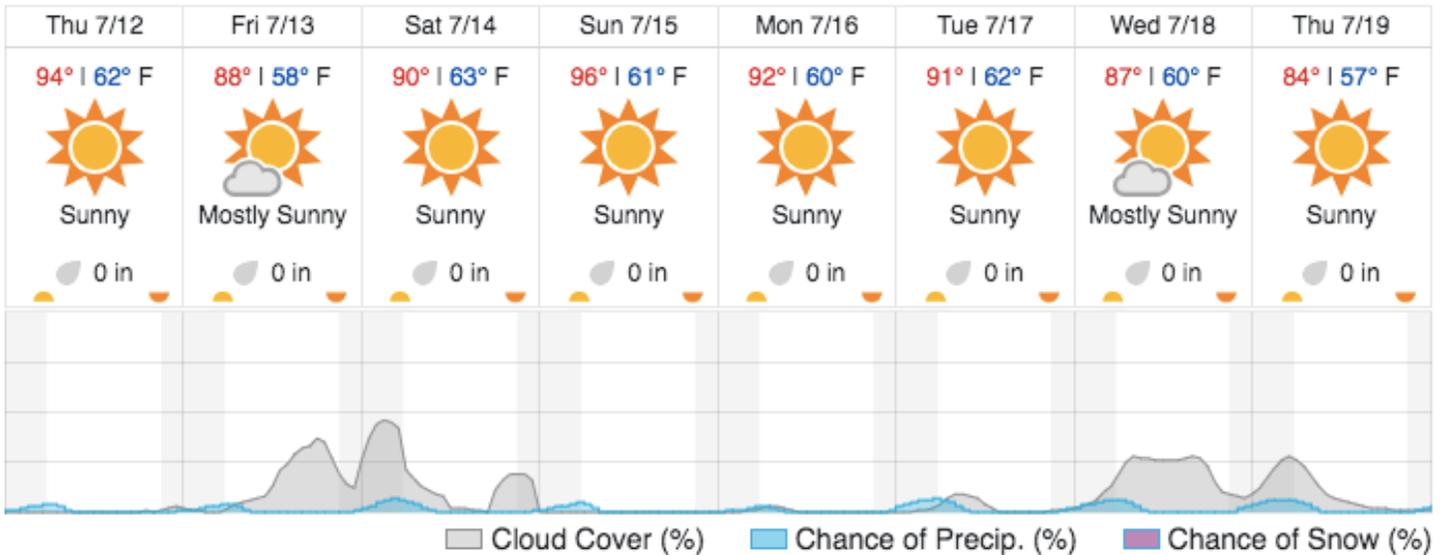
MCRA

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

Flown: 0% (0/9)
 Green: 0% (0/9)
 Yellow: 0% (0/9)
 Red: 0% (0/9)

Weather Forecast

Vancouver, WA



Flight Collection Plan for 12 July 2018

Flyority 1: Lines 2-8

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

Flight Collection Plan for 13 July 2018

No scheduled flights: Crew Rotation day – Abe IN / Mitch OUT