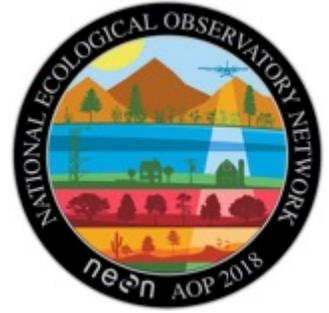




July 14, 2018 Payload 3 Daily Flight Report



Date: 2018-07-14

Flight Campaign ID: 2018_P3C1

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

Domain: 16

Sites Flown: ABBY (Abby Road)

Days left in Domain: 11

Report Author: Cameron Chapman

Flight Crew: Cameron Chapman, Heather Rogers

Ground/GPS: Abe Morrison

Pilots: Mike Francis, Gina Moore

Additional Personnel:

GPS Instruments: 08 - FBO_KHIO, 10 - ABBY

Flight Hours: 04:06 + 01:37

Hours until maintenance: 48.28

Summary

Clear skies in the morning allowed for the collection of 38 lines at Abby in Green conditions. The cloud conditions during the second flight became unfavorable "Yellow" with 6 lines remaining.

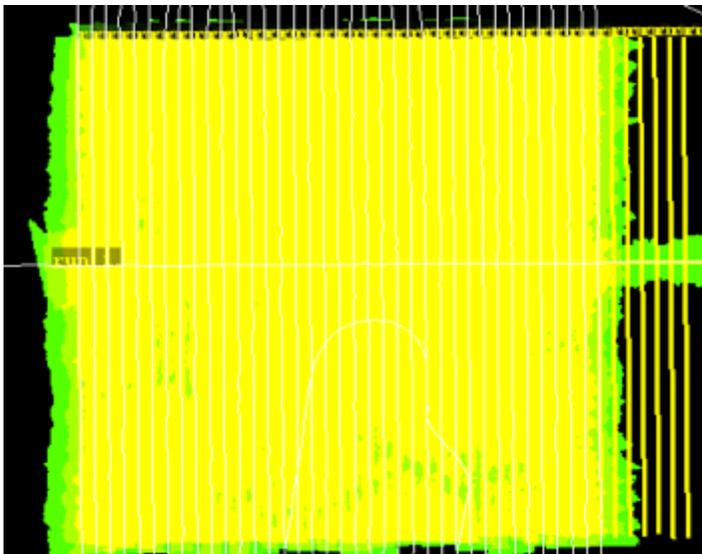
Concerns

- HotelKit did not run QA on 2018071215_P3C1
- Chamber pressure holding steady at the faulty reading of $4.51e-3$

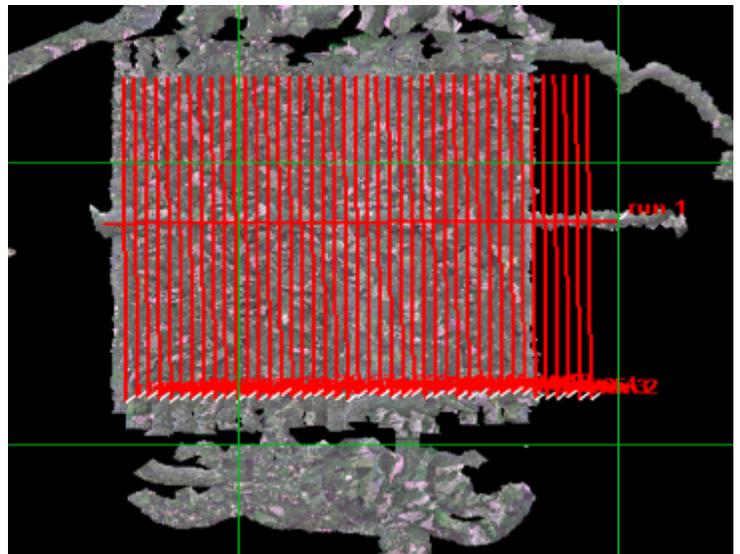
Comments:

- Pilot Mike F departs tomorrow – Grant Frost has arrived as his replacement

Flight Screenshots



Lidar



NIS

Pictures



Above: Clear skies in the morning while flying the ABBY site
Below: Payload 3's Lidar operation station



Daily Coverage

D16 ABBY	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	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
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	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
Flown:	39							

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: 89% (39/44)

Green: 91% (40/44)

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: 100% (57/57)

Green: 105% (60/57)

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: 100% (25/25)

Green: 100% (25/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

MCRA

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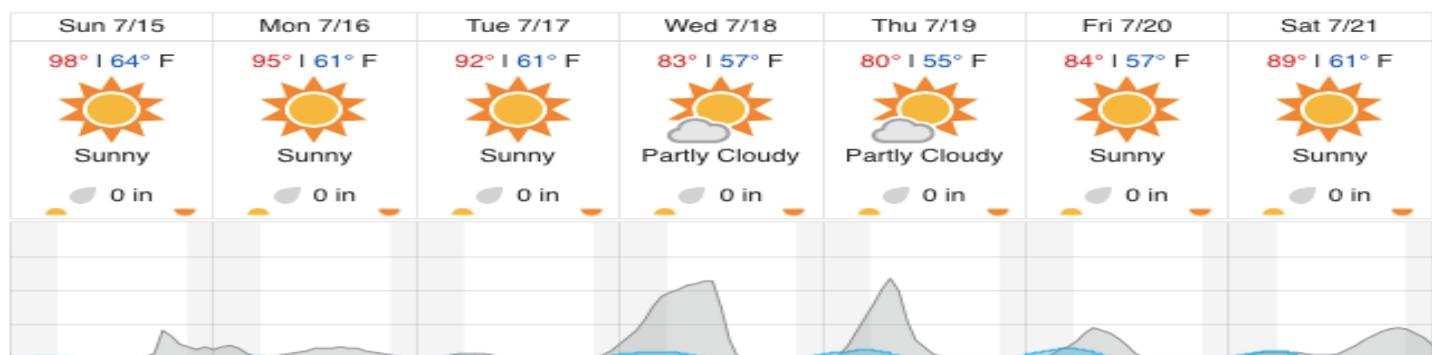
Flown: 0% (0/9)

Green: 0% (0/9)

Yellow: 0% (0/9)

Red: 0% (0/9)

Weather Forecast



Flight Collection Plan for 15 July 2018

Flyority 1: Lines 1-7 only

Collection Area: Abby Road (ABBY)

Flight Plan Name: D16_ABBY_R1_P1_v2_Q780

On-station Time: 1640 UTC / 0940 L

Flyority 2:

Collection Area: McRae Creek (MCRA)

Flight Plan Name: D16_MCRA_backgnd, Klamath_Falls_SEC_98_MCRA

On-station Time: 1640 UTC / 0940L

Crew: Heather Rogers (Lidar), Abe Morrison (NIS), Cameron Chapman (Ground)