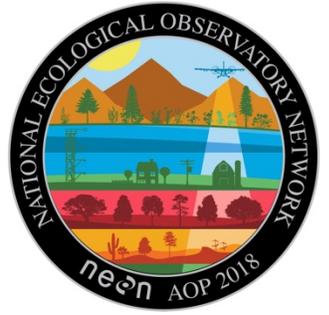




June 16, 2018 Payload 2 Daily Flight Report



Date: 2018-06-16

Flight Campaign ID: 2018_P2C1

Airport, FBO ID, City: Fresno Yosemite International Airport (KFAT) - Fresno, CA

Domain: 17

Sites Flown: TEAK_P2 (Teakettle Priority 2), TEAK_P3 (Teakettle Priority 3)

Days left in Domain: 2

Report Author: Michael Wussow

Flight Crew: Michael Wussow, David Gambino

Ground/GPS: Robb Walker

Pilots: Stephen Brawders, Jeff Quintanilla

Additional Personnel:

GPS Instruments: 01 - FBO_KFAT, 02 - TEAK

Flight Hours: 03:02

Hours until maintenance: 00.00

Summary

Collections in D17 were completed today with TEAK_P2 and TEAK_P3 boxes completed under green conditions. SOAP and all of TEAK have now been completed under clear skies.

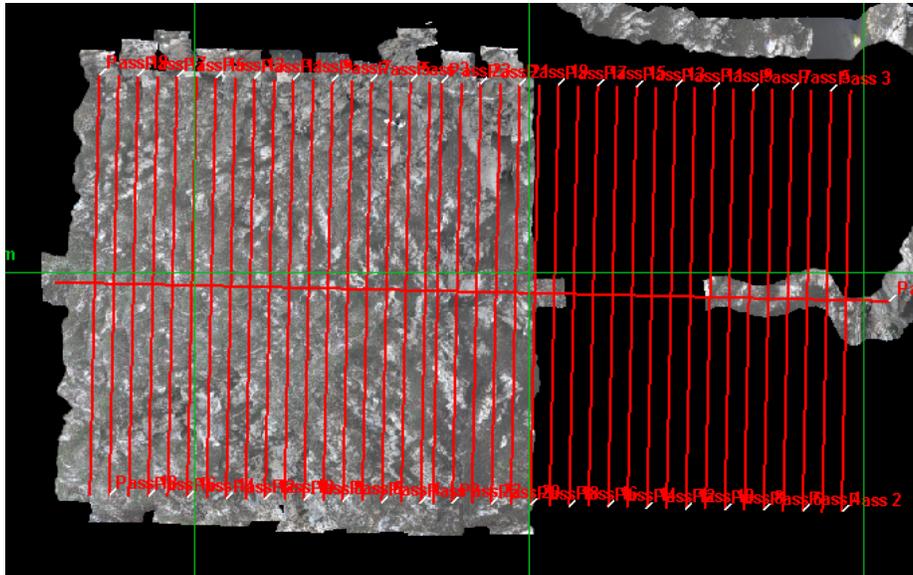
Concerns

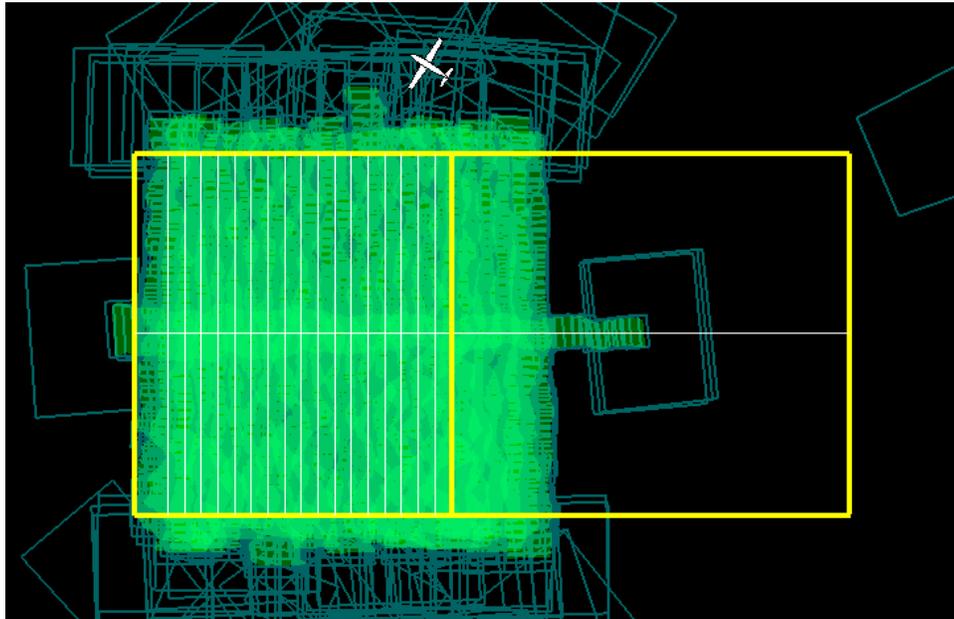
-Still having intermittent cutting out of pilot display during surveys. Re-seating of power cable resolves issue long enough to fly a few lines

Comments

- With collections in D17 completed 11 days early, AOP would like to take advantage of these extra days in the schedule to increase the odds of collecting green data in D19-Fairbanks before going to D18-Deadhorse. The plan is to start transiting to D19 on Tuesday June 19th. This will add approximately eight additional collection days in D19
- Twin Otter aircraft mechanics have arrived in Fresno and have begun the routine 100-hour maintenance
- Payload has been shut down so that maintenance may be performed

Flight Screenshots





Six lines of TEAK_P2 and 18 lines of TEAK_P3

Pictures



Another blue-bird day over the Sierras. Natural and manmade lakes appear in the granite domed landscape

Daily Coverage

D17 TEAK_P2	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
Flown:	6							
D17 TEAK_P3	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	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
Flown:	18							

*TEAK_P2 Line 1 and TEAK_P3 Line 1 are the same line

Cumulative Domain Coverage

N17A

1

Flown: 100% (1/1)

Green: 100% (1/1)

Yellow: 0% (0/1)

Red: 0% (0/1)

SOAP

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																			

Flown: 100% (41/41)

Green: 100% (41/41)

Yellow: 0% (0/41)

Red: 0% (0/41)

TEAK_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

Flown: 100% (40/40)
Green: 100% (40/40)
Yellow: 0% (0/40)
Red: 0% (0/40)

TEAK_P2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23																	

Flown: 100% (23/23)
Green: 100% (23/23)
Yellow: 0% (0/23)
Red: 0% (0/23)

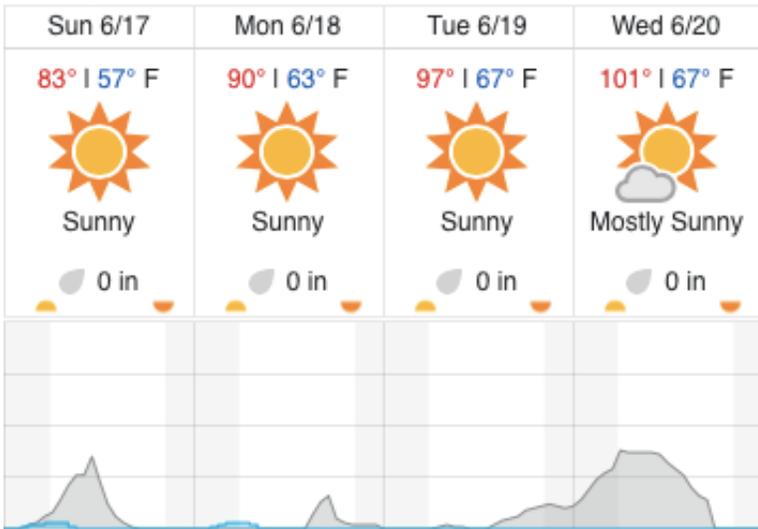
TEAK_P3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----

Flown: 100% (19/19)
Green: 100% (19/19)
Yellow: 0% (0/19)
Red: 0% (0/19)

Weather Forecast

Fresno, CA



Flight Collection Plan for 17 June 2018

- No collection
- 100-hour maintenance will be performed by Twin Otter
- GPS systems will be retrieved

Flight Collection Plan for 18 June 2018

- No collection
- Packing of aircraft and shipping of equipment

Flight Collection Plan for 19 June 2018

- No collection
- N70AR will depart Fresno for D19