



June 4, 2019 Payload 2 Daily Flight Report



Date: 2019-06-04

Flight Campaign ID: 2019_P2C1

Airport, FBO ID, City: Manassas Regional (KHEF) - Manassas, VA

Domain: 02

Sites Flown: SERC (Smithsonian Ecological Research Center)

Days left in Domain: 0

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Mitch Haynes

Ground/GPS: Cameron Chapman

Pilots: Chad Evans, Justin Eddington

Additional Personnel:

GPS Instruments: 02 - FBO_KHEF, 08 - SERC

Flight Hours: 00:42+01:54

Hours until maintenance: 22.20

Summary

The forecast was good and the flight crew had high hopes this morning for some clear skies. The first flight of the day didn't pan out well as low cumulus popped up on arrival and prevented collections. After landing and a brief wait the flight crew again took to the friendly skies to collect at the SERC site. This site was a little more fruitful and allowed for the collection of 6 lines under "green" sky conditions before the high cirrus clouds pushed it into "yellow" conditions and the mission was called off. This will conclude the AOP's collections in D02 and the Otter will begin the transit to Fresno California tomorrow morning.

Concerns

None

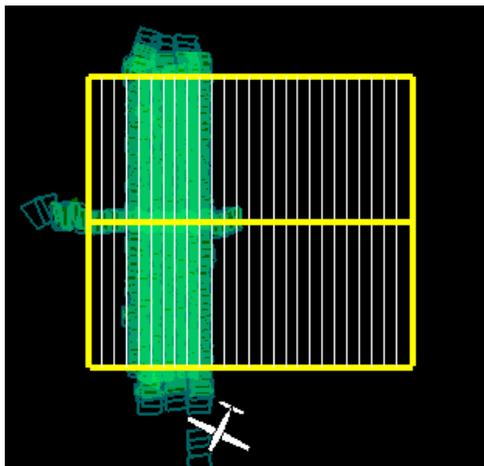
Comments

- The Otter will begin the transit to D17 tomorrow morning. The system was turned off today in prep for the transit.
- Abe Morrison will depart for D17 tomorrow morning with a stop in El Paso to scout FBO locations.
- Mitch Haynes will depart on Thursday after retrieving the GPS systems.

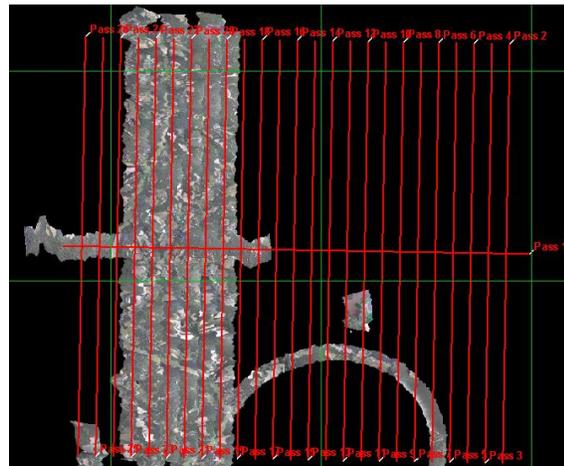
Flight Screenshots

SERC

LIDAR



NIS



Daily Coverage

D02 SERC	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
Flown:	7							

Cumulative Domain Coverage

BLAN

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							

Flown: 100% (33/33)
 Green: 0% (0/33)
 Yellow: 0% (0/33)
 Red: 103% (34/33)

N02A

1

Flown: 100% (1/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 100% (1/1)

SCBI

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								

Flown: 100% (32/32)
 Green: 0% (0/32)
 Yellow: 0% (0/32)
 Red: 103% (33/32)

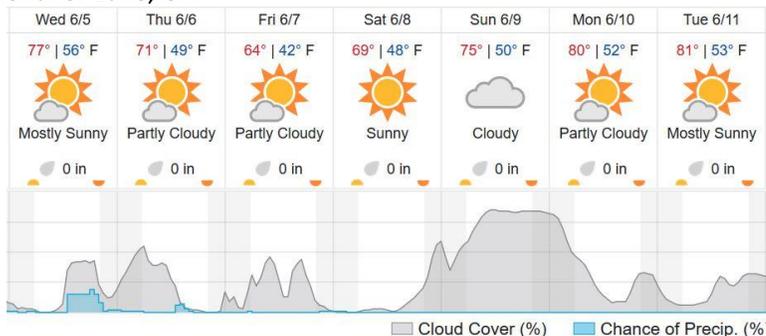
SERC

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														

Flown: 100% (26/26)
 Green: 46% (12/26)
 Yellow: 35% (9/26)
 Red: 50% (13/26)

Weather Forecast

Shaver Lake, CA



Flight Collection Plan for 5 June 2019

Transit to D17

Crew: Cameron Chapman