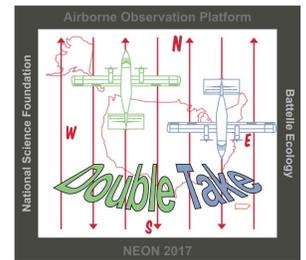




2017 P1C1 Daily Report



Flight Campaign ID: 2017_P1C1

FBO ID & City: Asheville Regional Airport (KAVL) -
Asheville, NC

Domain: 07

Sites Flown: GRSM

Days left in Domain: 0

Flight Hours: 03:01

Hours until maintenance: 44.57

Date: 2017-10-26

Report Author: Ivana Vu

Pilots: Justin Eddington, Stephen Brawder

Flight Crew: Ivana Vu, Abe Morrison

Ground/GPS: Cameron Chapman

Additional Personnel: None

GPS Instruments:

03 - GRSM, 11 - FBO-KAVL

Summary:

Perfect fall weather allowed us to complete coverage over the Smoky Mountains in green conditions today. 29 lines were completed, with half of them collected during the relaxed 30-degree solar angle. This was the last day of data collection in 2017 – the Otter will start the transit back home to Boulder tomorrow for post-season calibration flights. Thanks to everyone involved for your help throughout the year!

Issues/Concerns:

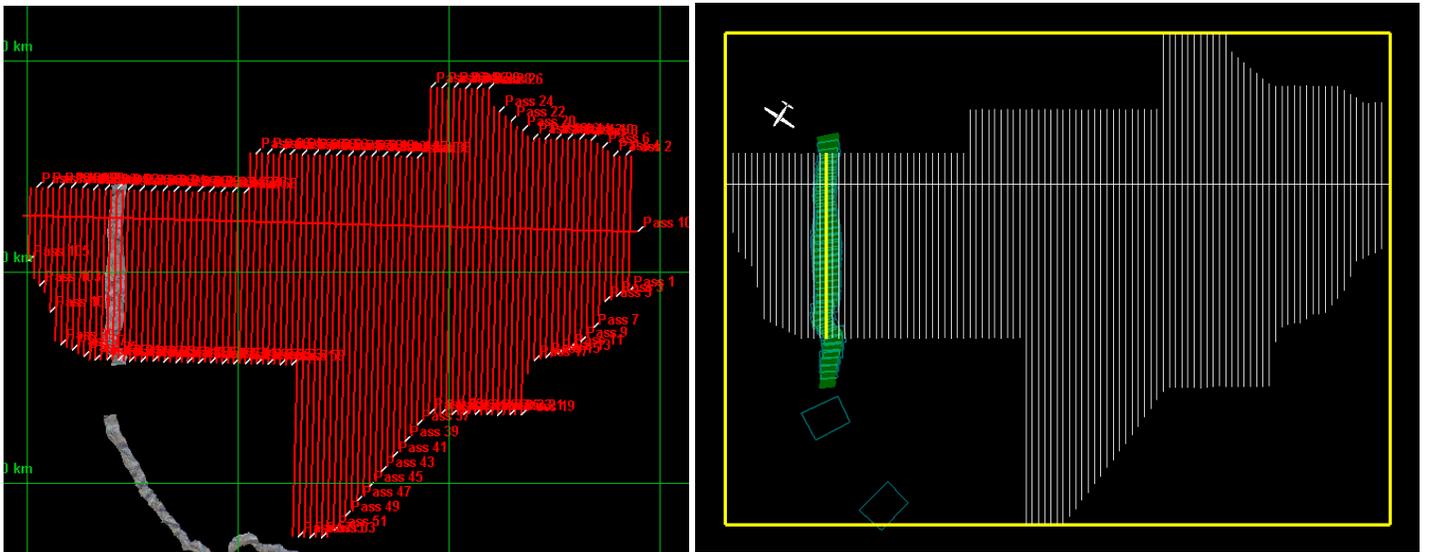
- Ongoing camera banding issue
- AXE should be inspected after flight season to reinforce loose connections

Comments:

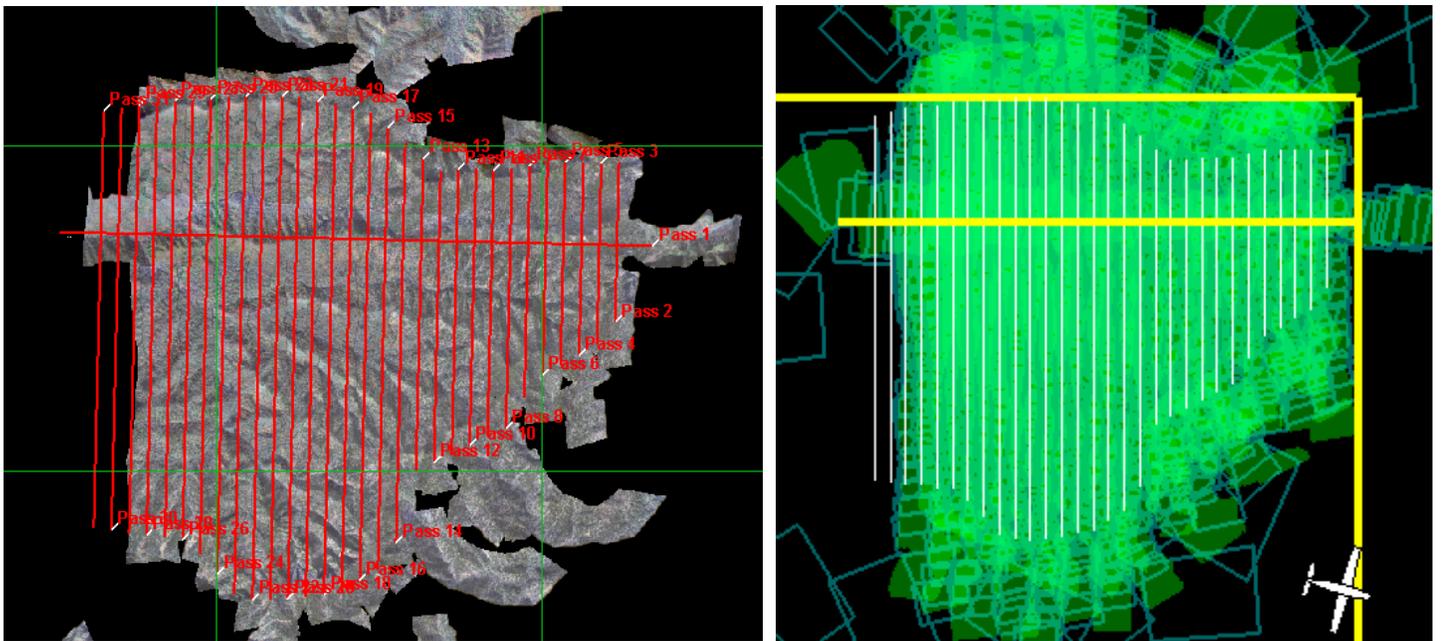
- Completed line 90 at GRSM Priority 1 Box: Green (<10% cloud cover), within 40-degree solar angle – re-fly due to IMU gap from Flight 2017101914
- Completed lines 1-28 at GRSM Priority 2 Box: Green (<10% cloud cover)
 - Lines 1-14 collected within relaxed 30-degree solar angle
 - Lines 15-28 collected within 40-degree solar angle
- GPS03 (GRSM) has been retrieved
- Hotel Kit has been packed up and will
- Crew will plan to spend the night at (KFOE) Topeka, KS tomorrow where shore power is available to ensure the payload is ready for calibration flights in Boulder this Sunday

NIS/Lidar Screenshot

Priority 1 re-fly



Priority 2



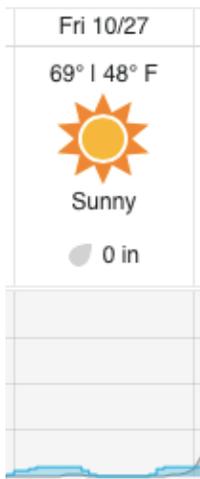
Domain Coverage

D07 GRSM	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
Priority 2	1							NLC
	2							NLC
	3							NLC
	4							NLC
	5							NLC
	6							NLC
	7							NLC
	8							NLC
	9							NLC
	10							NLC

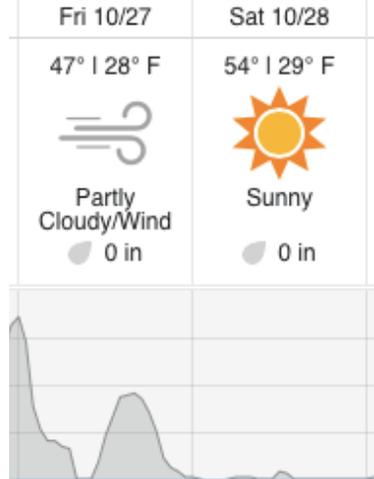
	11							NLC
	12							NLC
	13							NLC
	14							NLC
	15							NLC
	16							NLC
	17							NLC
	18							NLC
	19							NLC
	20							NLC
	21							NLC
	22							NLC
	23							NLC
	24							NLC
	25							NLC
	26							NLC
	27							NLC
	28							NLC
Priority 1	90							NLC
Completed:	(29/29)							27.88%

Weather Forecast

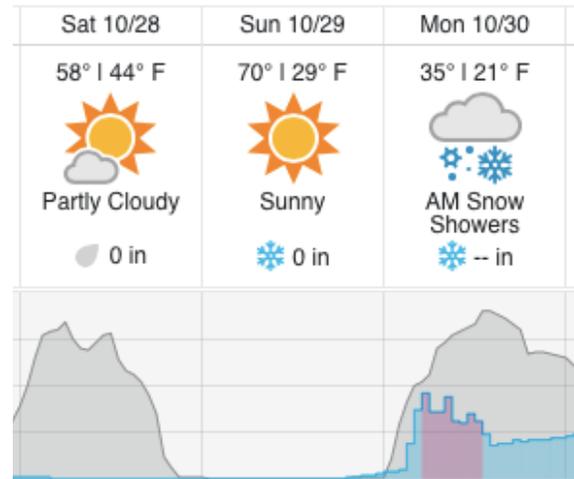
Asheville, NC



Topeka, KS



Boulder, CO



☐ Cloud Cover (%) ☐ Chance of Precip. (%)

Pictures

Fall foliage in the Great Smoky Mountains



Flight Collection Plan for October 27th 2017:

Transit to KFOE (Topeka, KS)

Flight Collection Plan for October 28th 2017:

Transit to KBDU (Boulder, CO)

Flight Collection Plan for October 29th 2017:

Radiometric Calibration at Table Mountain