2017_P1C1 Daily Report

Flight Campaign ID: 2017_P1C1
FBO ID & City: Birmingham International Airport (KBHM) - Birmingham, AL
Domain: 08
Sites Flown: DELA
Days left in Domain: 11
Flight Hours: 02:29
Hours until maintenance: 36.70

Date: 2017-05-16
Report Author: Mitch Haynes
Pilots: Kyler Dalton, Grant Frost
Flight Crew: Mitch Haynes, Abe Morrison
Ground/GPS: David Gambino
Additional Personnel:

GPS Instruments:

06 - FBO-KBHM, 08 - DELA

Summary:

After a hot 'Bama morning plagued by multiple delays, the crew was finally able to take flight this afternoon and collect the remaining 10 lines of the Dead Lake flight box under yellow and red conditions.

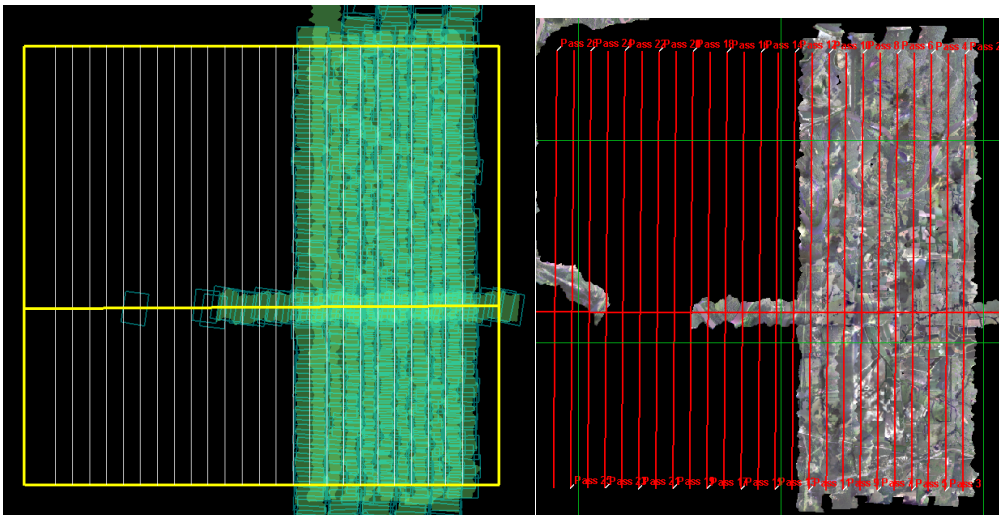
Issues/Concerns:

Experienced communication issues during spectrometer ground tests between the CRIO, DCC, and Lantronix that left NGIS Host software unresponsive. After several reboots and troubleshooting, a loose power cable into the NIS Router was discovered. A simple re-seeding of the plug appeared to fix the problem. Normal flight operations were resumed once the FPA temperature had returned to spec.

Comments:

- Lines 1-11 of DELA were completed under yellow and red conditions
- Visits were made to check on GPS 08 (DELA) and 09 (LENO)

NIS/Lidar Screenshot



Domain Coverage

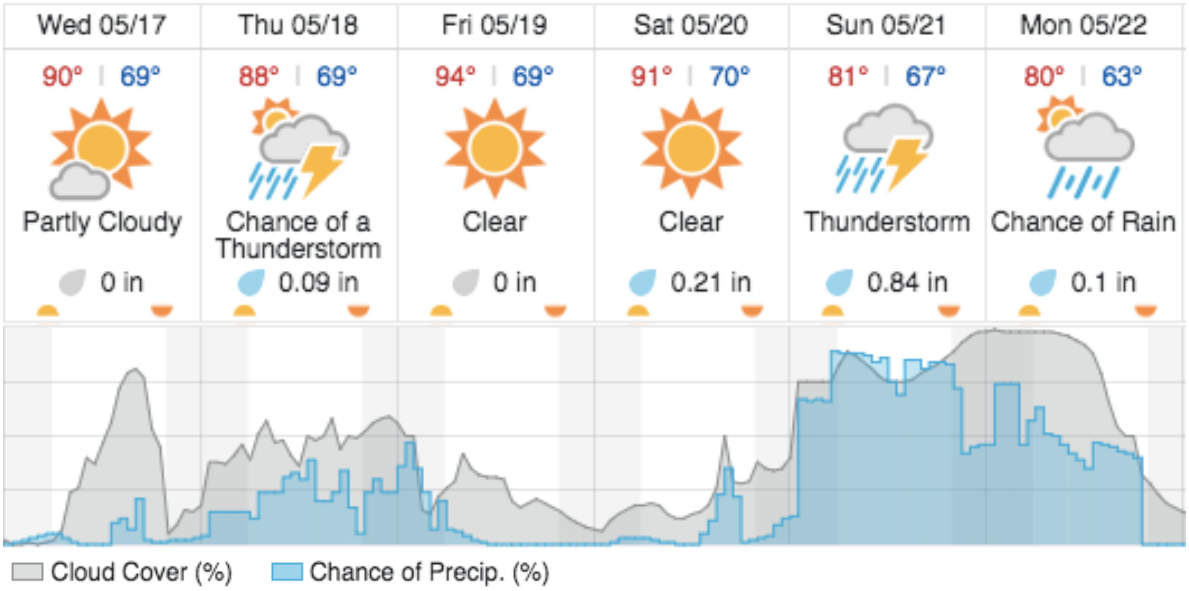
D08|DELA	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1							NLC
	2							NLC
	3							NLC
	4							NLC
	5							NLC
	6							NLC
	7							NLC
	8							NLC
	9							NLC
	10							NLC
	11							NLC
Completed:	(0/11)							0.00%

Pictures:

Above: Cumulus clouds casting shadows across the flight box during today's collect.

Weather Forecast

Birmingham, AL



<u>Flight collection Plan for May 17th 2017:</u>
Flyority 1 (If <u>Green</u> Conditions Present):
Collection Area: Dead Lake (DELA)
Flight Plan Name: D08_DELA_R1_P1_v1.pln
Lines 1-11 and 23-26
On Station: 0920 L / 1420 UTC
Flyority 2:
Collection Area: Lenoir Landing (LENO)
Flight Plan Name: D08_LENO_R2_P1_v1.pln
On Station: 0920 L / 1420 UTC
Crew:
Lidar: Abe Morrison
NIS: Mitch Haynes
Ground/GPS: David Gambino

<u>Flight collection Plan for May 18th 2017:</u>
Flyority: Same as previous day unless a flight box has been completed.
Crew:
Lidar: Mitch Haynes
NIS: Abe Morrison
Ground/GPS: David Gambino