



2017 P1C1 Daily Report



Flight Campaign ID: 2017_P1C1

FBO ID & City: Charlottesville Albemarle Airport
(KCHO) - Charlottesville, VA

Domain: 02

Sites Flown: BLAN

Days left in Domain: 0

Flight Hours: 01:05

Hours until maintenance: 61.40

Date: 2017-07-27

Report Author: Heather Rogers

Pilots: David Hanks, Stephen Brawder

Flight Crew: Heather Rogers, David Gambino

Ground/GPS: Doug Cavender

Additional Personnel:

GPS Instruments:

01 - FBO - KCHO, 02 - SCBI/BLAN

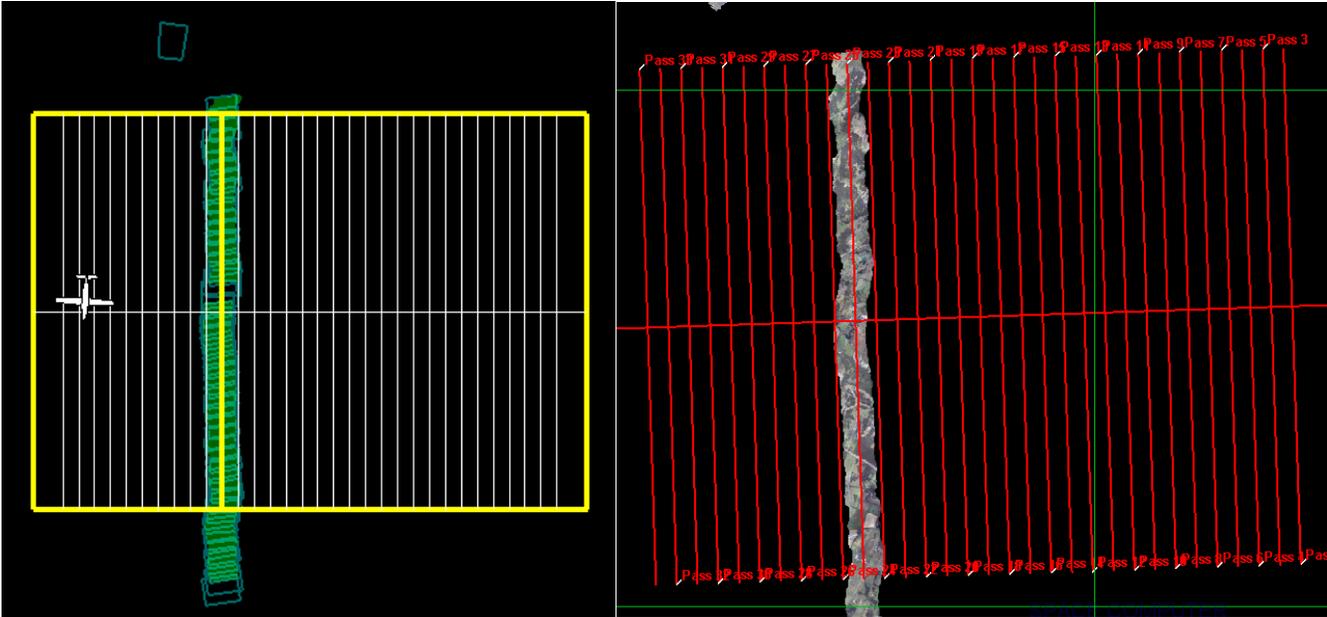
Summary: Low clouds prevented data collection at all sites. BLAN initially looked promising, but the weather report was quickly proved to be incorrect. Line 23 at BLAN was collected in red conditions to test for IMU failure. An eye safe failure occurred while collecting this line.

Issues/Concerns: We were unable to reproduce the IMU failure. It is believed that the IMU failure may be linked to the camera, so satellite reception and IMU faults were monitored while collecting in both automatic and manual capture modes. Neither mode produced an IMU fault and satellite reception varied between an acceptable 19 and 20 satellites.

The camera still shows banding across images in automatic capture mode. Today it was observed that the banding still occurs in manual capture mode, however, it is less pronounced.

Comments: None.

NIS/Lidar Screenshot



Note: Eye safe shut off visible just north of the cross strip in the lidar data.

Domain Coverage

D02 BLAN	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	23							NLC
Completed:	(0/1)							0.00%

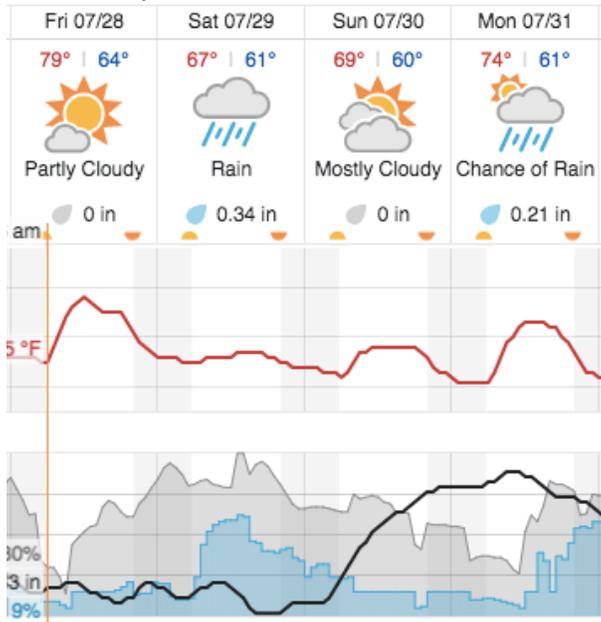
Pictures:



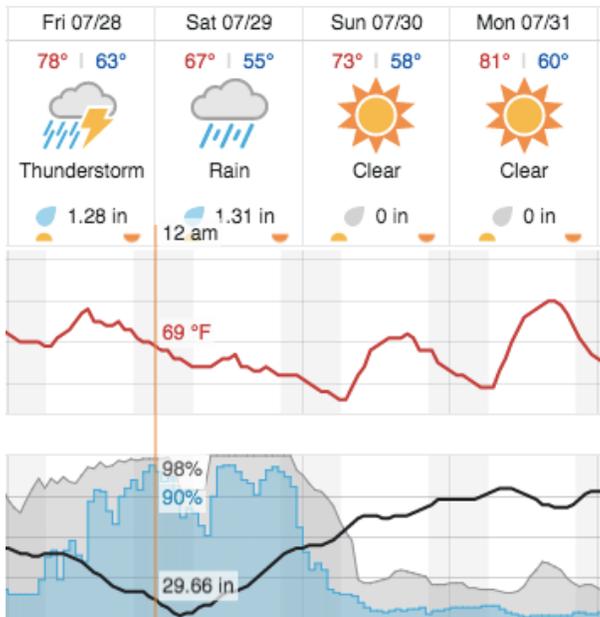
Above: *Clouds, clouds, and more clouds.*

Weather Forecast

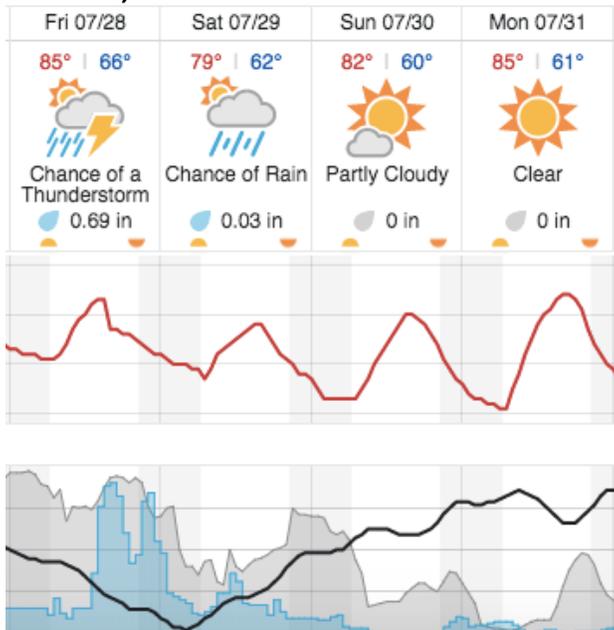
Pembroke, MA



Front Royal, VA



Roanoke, VA



Flight collection Plan for 28 and 29 July 2017:

Flight Collection Plan for 28 July 2017

Flyority 1:

Collection Area: Smithsonian Conservation Biology Institute (SCBI)

Flight Plan Name: D02_SCBI_C1_P1_v1.pln

On Station: 0950L / 1350 UTC

Flyority 2:

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07_MLBS_R2_P1_v5.pln

On Station: 1000L / 1400 UTC

Flyority 3:

Collection Area: Smithsonian Ecological Research Center (SERC)

Flight Plan Name: D02_SERC_R1_P1_v1.pln

On Station: 0940L / 1340 UTC

Flyority 4:

Collection Area: Blandy Experimental Farm (BLAN)

Flight Plan Name: D02_BLAN_R2_P1_v2.pln

On Station: 0950L / 1350 UTC

Crew:

Lidar: David Gambino NIS: Heather Rogers Ground / GPS: Doug Cavender

Flight Collection Plan for 29 July 2017

Flyority 1:

Collection Area: Smithsonian Conservation Biology Institute (SCBI)

Flight Plan Name: D02_SCBI_C1_P1_v1.pln

On Station: 0950L / 1350 UTC

Flyority 2:

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07_MLBS_R2_P1_v5.pln

On Station: 1000L / 1400 UTC

Flyority 3:

Collection Area: Smithsonian Ecological Research Center (SERC)

Flight Plan Name: D02_SERC_R1_P1_v1.pln

On Station: 0940L / 1340 UTC

Flyority 4:

Collection Area: Blandy Experimental Farm (BLAN)

Flight Plan Name: D02_BLAN_R2_P1_v2.pln

On Station: 0950L / 1350 UTC

Crew:

Lidar: Heather Rogers NIS: David Gambino Ground / GPS: Doug Cavender