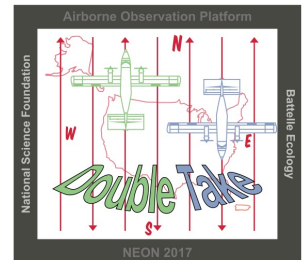




2017 P1C1 Daily Report



Flight Campaign ID: 2017_P1C1

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

Domain: 02

Sites Flown: SCBI/BLAN

Days left in Domain: 11

Flight Hours: 06:39 (4:18+2:21)

Hours until maintenance: 54.75

Date: 2017-07-30

Report Author: David Gambino

Pilots: David Hanks, Stephen Brawder

Flight Crew: Heather Rogers, David Gambino

Ground/GPS: Doug Cavander

Additional Personnel: n/a

GPS Instruments: 01 - FBO - KCHO, 02 - SCBI/BLAN

Summary: Crew collected all of SCBI and the majority of BLAN's priority lines under green conditions.

Issues/Concerns:

- IMU and POSAV appear to be working normally.
- We've narrowed down the camera issue to ALTM-NAV. Image corruption disappears when ALTM-NAV is set to "Lidar Only" and the camera is manually triggered in D-Ops. Lines 9-14 of SCBI are affected by image corruption (due to ongoing troubleshooting during that window).
- ALTM-NAV crashed early in the flight. As a result, there are two ALTM-NAV logs associated with SCBI data. System worked as advertised afterward.

Comments:

- Completed SCBI (green)
- Completed 24-30, 6-10, 1 BLAN (green)
- Changed battery at MLBS (GPS 09)

Pictures:



Above: Shenandoah

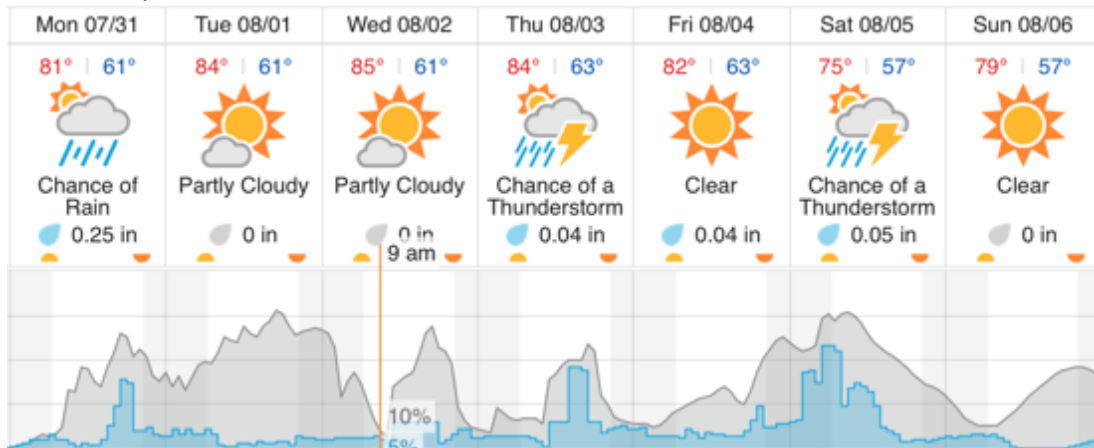
Below: Sky in vicinity of SCBI/BLAN



Weather Forecast:

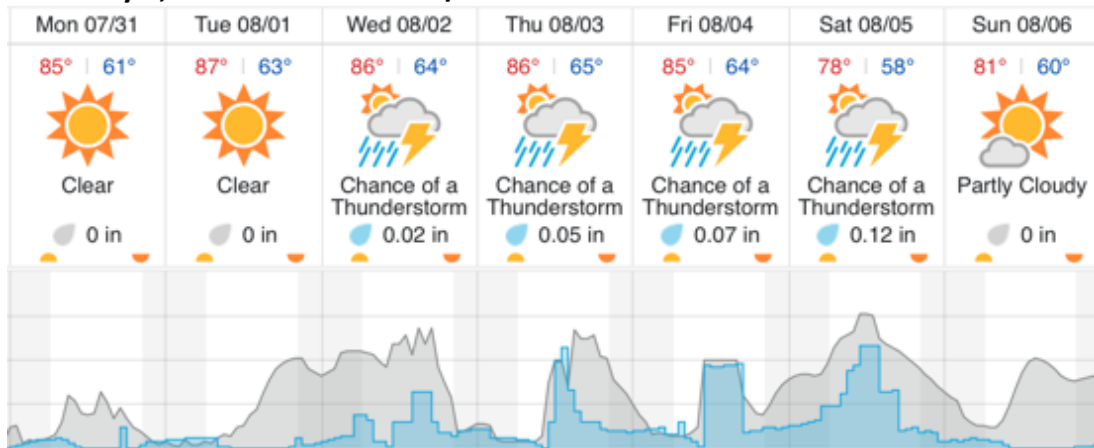
Pembroke, VA

Site: MLBS



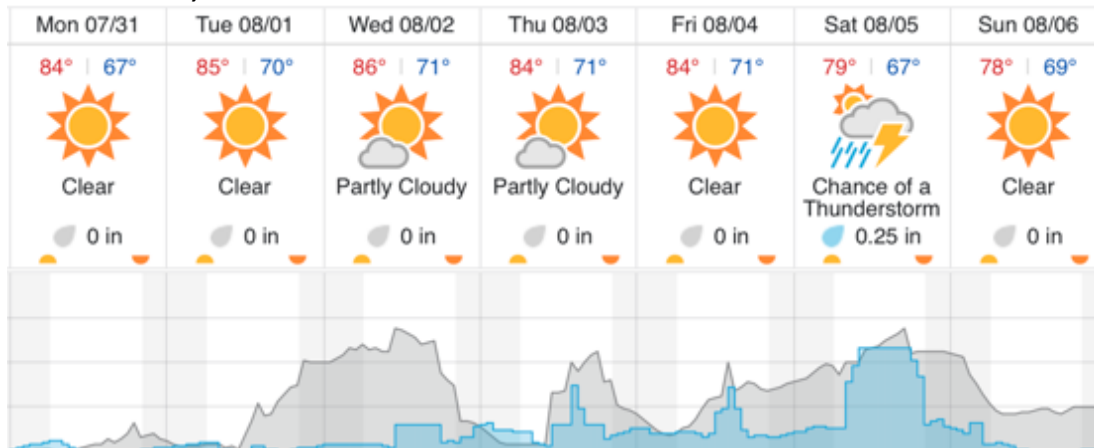
Front Royal, VA

Sites: BLAN/SCBI



Londontowne, MD

Site: SERC



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

Flight collection plan for 31 July and 1 August 2017:

Flyority 1:

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07_MLBS_R2_P1_v5.pln

On Station: 1000L / 1400 UTC

Flyority 2:

Collection Area: Smithsonian Ecological Research Center (SERC)

Flight Plan Name: D02_SERC_R1_P1_v1.pln

On Station: 0940L / 1340 UTC

Flyority 3:

Collection Area: Blandy Experimental Farm (BLAN – collect remaining lines)

Flight Plan Name: D02_BLAN_R2_P1_v2.pln

On Station: 0950L / 1350 UTC

Flyority 4:

Collection Area: Smithsonian Ecological Research Center (SERC – 70 PRF)

Flight Plan Name: D02_SERC_R1_P1_v1_70PRF.pln

On Station: 0950L / 1350 UTC

Crew:

July 31 2017

Lidar: Heather Rogers

NIS: David Gambino

Ground / GPS: Doug Cavender

August 01 2017

Lidar: David Gambino

NIS: Heather Rogers

Ground / GPS: Doug Cavender

