



2017 P2C1 Daily Report



Flight Campaign ID: 2017_P2C1

FBO ID & City: Boulder Municipal Airport (KBDU) -
Boulder, CO

Domain: 13

Sites Flown: WLOU

Days left in Domain: 7

Flight Hours: 0

Hours until maintenance: 62.07

Date: 2017-09-13

Report Author: Heather Rogers

Pilots: Kyler Dalton, Stephen Brawder

Flight Crew: Doug Cavender, Mike Wussow

Ground/GPS: Heather Rogers

Additional Personnel:

GPS Instruments:

Summary:

No flights today due to weather.

Issues/Concerns:

Troubleshooting of RAID failures today: the good, the bad, and the ugly.

Out of 7 RAID's initially believed to be degraded, we have confirmed that 4 are still good! The 3 disks that no longer spin all appear to have come from the same purchase lot of RAID's.

The preliminary conclusion is that the problem lies somewhere in RAID disk bay "01", closest to the back of Hotel Kit 2. This narrows down the problem to a location, but is not yet the smoking gun. The preliminary theory is that the RAID is receiving the incorrect voltage. Additional troubleshooting will need to be completed.

As a workaround, we are currently extracting the data to a single RAID, instead of a mirrored pair, and will then be copying it over to a second RAID manually from the D drive using only RAID bay "00", the bay closer to the operator. When an extraction that had previously failed repeatedly was run without a RAID in the "bad" bay, it completed the extraction and ran QA except for the Spectrometer, which we expected. We are encouraged that this shows progress in solving this problem.

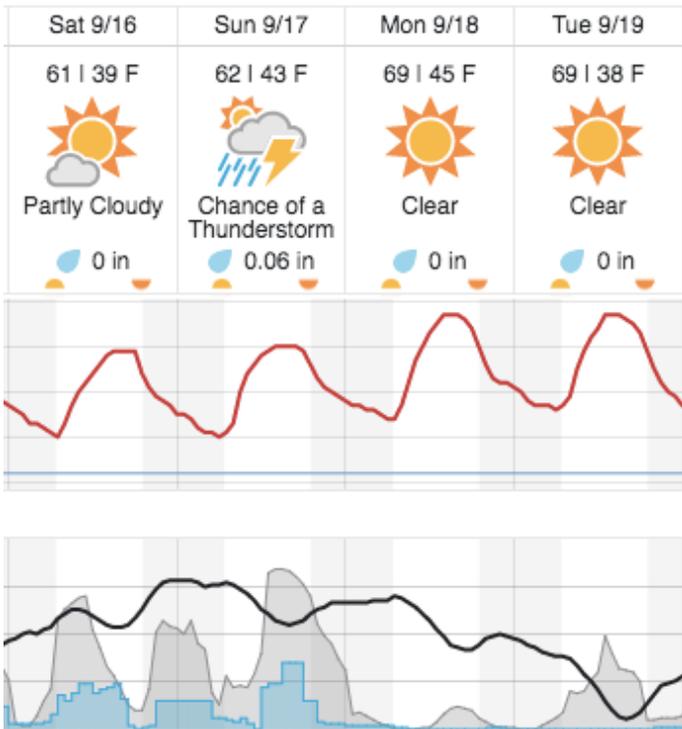
Comments:

Payload 2 is up to date on all extractions.

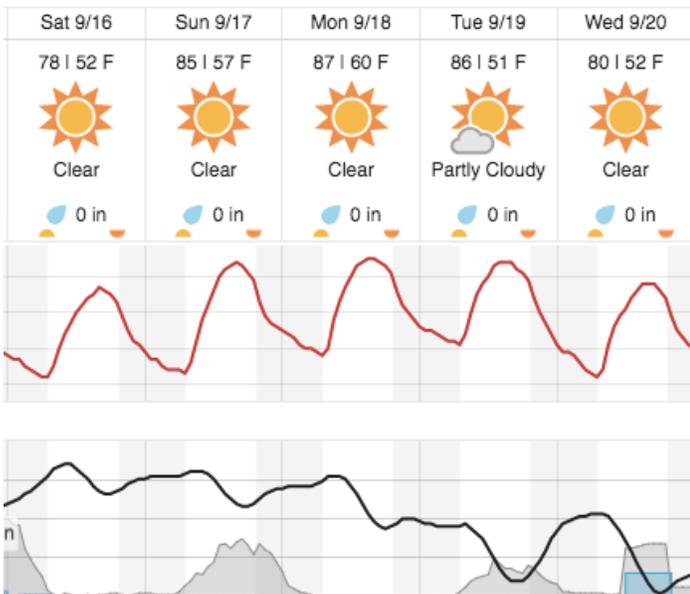
The Hotel Kit Room now has a phone on a landline, 720-836-2423, for troubleshooting communication since cell phone reception tends to be bad in that room.

Weather Forecast

Nederland, CO



Moab, UT



Flight collection Plan for 16 September 2017:

Flyority 1:

Collection Area: Moab, UT (MOAB) – **Only under green conditions**

Flight Plan Name: D13_MOAB_R1_P1_v2.pln

On Station: 1040L / 1640 UTC

Flyority 2:

Collection Area: Niwot Ridge Mountain Research Station (NIWO) – **Only under green conditions**

Flight Plan Name: D13_NIWO_C1_P1_v4.pln

On Station: 1040L / 1640 UTC

Crew: Lidar: Michael Wussow, NIS: Doug Cavender, GPS: Heather Rogers