

## **ICECAPS Weekly Report**

Aug. 29 – Sept.4, 2012

Patrick Wright – Phase I Tech

### **Interesting weather events:**

- Persistent low-level stratiform, likely mixed-phase clouds during 08/31 and 09/01.
- Thick freezing fog all day on 09/03, most of day on 09/04.

### **General Items**

- MSF roof repaired on 9/01. See attached PDF. I used the same roofing membrane material for the patches, heated the patches with a propane torch, and used a vinyl repair patch glue called "Performix Vyna Bond". The patches seem strong and well-sealed. **NOTE: Best to minimize any LN<sub>2</sub> overpour during MWR cals in the future!**

### **Dataman Account:**

- Normal. Continued Drive ECC errors on RAID status.

### **PAERI:**

- Cleaned heavy rime/frost off shelter screen almost every day this week.
- Brief red flag on SW responsivity, 1000-1100 UTC, 08/30.
- Continued yellow flag for HBB Max Temp Diff.

### **MPL:**

- Afterpulse Cal on 09/02, but unable to properly "create" afterpulse cal file. Opened the calibration data file in the calibration window, but likely not operating with proper calibration. 09/04, re-attempted afterpulse cal. Software worked properly this time, afterpulse cal file created, proper dialog box sequence. Previous cal files deleted.
- Laser pulse energy still declining slightly.....

### **CAPABL:**

- LabVIEW code updated to Revision3\_Version1 on 09/04. Waiting to see if new version is stable.

### **MMCR:**

- 08/29, minimized MMCR-RADAR display window, which initiated error messages and froze up entire system. Rebooted at 1924 UTC, after 4 system-reboot/router power-cycle attempts, system came back up at 2029 UTC.
- Duane changed Lapxm config file, re-calibrated, complete at 0018 UTC, 08/31.

### **MWR:**

- Normal.

### **ASIA-A:**

- Normal.

### **SODAR:**

- 09/04, 1222 UTC, cleaned snow from tx and rx.

**POSS:**

- Normal.

**VCEIL:**

- Normal.

**IceCAM:**

- Normal.

**IcePIC:**

- Photos on 08/31.

**Radiosonde:**

- Late closeout on 09/03.

**TSI:**

- Instrument back up and capturing good images as of 1713 UTC on 08/29 (required power cycling).
- Temps < -30C during nights of 08/29, 09/02. Instrument still seems stable.