

## ICECAPS Weekly Report

Sept. 12 – 18, 2012

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CAPABL and MPL lasers visible 100s of meters above the MSF, evening of Sept. 16.

*Photo: Ed Stockard*

### **Interesting weather events:**

- 09/13, very overcast and steady precipitation throughout day. Very high radar reflectivities. Crystal type changed distinctly as winds shift to north and temps drop at 1400Z. See IcePIC from 1200Z (sectored plates, stellars) and 1830Z (bullet rosettes, columns). Clears overnight.
- 09/14-15, remains overcast, though weaker and without significant precip.

**General Items**

- Shoveled roof on 09/15.
- Any resupply items for Phase I/II turnover must be sent to PFS office by October 10.

**Dataman Account:**

- Normal. Continued Drive ECC Errors.

**PAERI:**

- Normal.

**MPL:**

- Afterpulse Cal on 09/16. 30m/30s: 201209161516.mpl 15m/30s: 201209161528.mpl  
Measurements resumed at 1545 UTC.
- 09/17, 0538 UTC, "AMCS Timeout", "Can't open AMCS card: 2". Last data file is 201209170400.mpl. Rebooted computer. Measurements resumed at 1236 UTC.
- Appear to be continued problems later in the day on 09/17. Data files appear as: 201209172000, ....2053, ....2055, ....2100, ....2107, ....2109, ....2200, then resume hourly files. Afterpulse cal is no longer active in software.
- Similar problem with hourly files for 09/18 data.....it seems that software is crashing but successfully restarting, creating sporadic filenames.
- Dataman shows that the mount was down for the 09/18 UTC data transfer (09/17 data). 09/18 daily check shows that mount is currently active.
- As of this report, data has been transferred to ftp through 09/16. Hopefully 09/17 and 09/18 will transfer tonight.

**CAPABL:**

- Normal, ongoing monitoring of new version software.

**MMCR:**

- 09/12, 1215 UTC, arrived at MSF, radar was commencing shutdown. Began to reboot....went outside to IcePIC shed. Came back at 1245 UTC, radar totally down, red "alarm" light on UPS. Waited 5 min., turned key to OFF. Waited 5 min., turned key to ON. Radar came back up normally, except for warning message on DM (sent photo). Back online at 1309 UTC.
- Charged new UPS battery from 2200 on 09/12, to 1300 on 09/14 (39 hrs.). Duane says the factory asks that new UPS's be charged for 24 hrs. about every 3 to 6 months when in storage.

**MWR:**

- Normal.

**ASIA-A:**

- Power-cycled webcam, added additional extension cord (blue) to existing (orange), routing power around the interior of MSF to the ASIAA computer. Webcam is now into iBootBar outlet #4 and can be power-cycled remotely. Now, all components of the ASIAA system are powered through the iBootBar.

**SODAR:**

- 09/13, 1321 UTC, cleaned snow from tx and rx (data visibly improved).
- 09/14, 1321 UTC, cleaned snow from tx and rx.

**POSS:**

- Normal

**VCEIL:**

- Normal.

**IceCAM:**

- Normal.

**IcePIC:**

- Photos on 09/12 (plates), 09/13 (sectored plates & stellars early, bullets & columns late)
- 09/16, cleaned upper surface of objective (see photo!), removed screw from stage. Ed helped with cleaning of CCD sensor and viewfinder optics on camera.

**Radiosonde:**

- 09/11, evening launch, terminated early for unknown reason. Max alt: 3656 m; min P: 634.6 HPa
- 09/14, dual launch w/O<sub>3</sub> sonde.

**TSI:**

- Instrument removed from roof on 09/17. Image collection stopped at 1539 UTC.