

# ICECAPS Weekly Report

February 17 – February 23, 2014

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**New Mobile IcePIC Sampling Table**

## **General:**

- 2/20: Two twin otter flights, new crew arrived and turnover started
- 2/20: Science resupply did not arrive with flights, so spare parts and hard drives will not arrive and be installed until 2/27
- MSF facility operating normally.

## **Significant Weather Observations:**

- 2/17: Winds 153 at 14kn, -38C, 71%, BKN-DRSN
- 2/18: Winds 170 at 31kn, -24C, 85%, OVC-BLSN (Cond 1)
- 2/19: Winds 162 at 16kn, -33C, 76%, SCT-DRSN
- 2/20: Winds 154 at 11kn, -37C, 73%, FZFG
- 2/21: Winds 161 at 14kn, -42C, 67%, SKC, surface hoar present
- 2/23: Winds 143 at 11kn, -48C, 61%, FEW-BR-DRSN

## **Dataman Account:**

- Operating normally

## **MWR:**

- Operating normally

## **SODAR:**

- 2/23: Sodar cleaned and leveled. Transmitter dish is frozen/stuck such that level cannot be adjusted at this time

**POSS:**

- 2/23: POSACQ shut down and restarted for training purposes

**MMCR:**

- Operating normally

**CAPABL:**

- No longer operating

**MPL:**

- 2/17: Lost connection with AMCS card at roughly 17Z on 2/16, restored with reboot
- 2/18: Lost connection with AMCS card at roughly 11Z on 2/18, restored with reboot
- 2/18: Connection lost again at 1319Z, rebooted at 1900

**VCEIL:**

- Operating normally

**IceCAM:**

- Operating normally

**PAERI:**

- 2/19: Data dropout at 0800Z, self-reboot at 0801Z, data acquisition restored at 0820. Folders renamed and manual reboot at 1309
- 2/21: Data dropout at roughly 2100, self-reboot, files renamed and manual reboot at 2215Z
- 2/22: 1600Z – 1700Z: Fan removed for training and “practice” cleaning of mirror; data will have human influence

**ASIA-A:**

- 2/18: Two radiometer communication error events; PC and radiometer rebooted twice
- 2/19: Time sync error 2/18 1534, found, rebooted, manually re-sync'ed on 2/19
- 2/23: Radiometer communications error, PC and radiometer rebooted

**TSI:**

- Offline for winter

**IcePIC:**

- 2/20: Mostly rime clumps and pellets, some needles, columns, bullets, prisms
- 2/20: Microscope thawed out, upper and lower part of objective cleaned
- 2/21: Rosettes, prisms, and rosettes with prism-like growths
- 2/23: Small needles, shimizu (?), small prisms, small columns

**Radiosonde:**

- 2/18 12Z: Sonde destroyed on launch (high winds)
- 2/20 24Z: T/RH sensor damaged on launch, successful re-launch with second sonde

- 2/23 12Z: sonde aborted due to RH sensor discrepancy, successful re-launch with second sonde. Aborted sonde reconditioned and launched at 24Z
- Twice daily sondes