

# ICECAPS Weekly Report

Sep 1 – Sep 7, 2014

Jennie Mowatt



*Sunset complete with sundogs, 9/4/14. JM*

## **General:**

- The MMCR continued to fault out on Helix Overcurrent daily, despite multiple reboots, fixes, troubleshooting. It was also found that the fan on the TWTA does not appear to be operational anymore. Instrument was taken offline until further notice on 9/6.
- A brief wind storm on 9/5 created some comms issues for the 150/90. They were resolved the same day.

## **Significant Weather Observations:**

- 9/1: Overcast, drifting snow, 18 kt winds, -11C
- 9/2: Broken skies, little to no wind, -13C
- 9/3: Broken skies, light winds, -14C, afternoon precipitation
- 9/4: Broken skies leading to some sun, light winds, -19C
- 9/5: Overcast with blowing snow, 24kt winds, -13C, down to 10kt in the afternoon
- 9/6: Overcast, light winds, -13C
- 9/7: Broken skies, light wind, -17C

## **Dataman Account:**

- Operating normally.

**MWR:**

- HATPRO: operating normally.
- 150-90: operating normally.
- 9/5, 1134Z: High wind morning (24kt), "Communication problem with radiometer detected" message consistently appearing every ~10sec. 150/90 could not reconnect. Power cycled at outlet in MSF and restarted data collection program. Data collection resumed at 1600Z.

**SODAR:**

- Operating normally.
- 9/6: Dishes cleaned at 1220Z.

**POSS:**

- Operating normally.
- Plans to raise box and cables when weather permits.

**MMCR:**

- 9/1: 1155Z brought MMCR back online after faulting out on Helix Overcurrent during the weekend
- 9/2: Data mount now online, data did transfer overnight however MMCR is back down with same fault
- 9/3: MMCR still faulted and offline, mount down again at morning checks. Got MMCR online again at ~1700Z.
- 9/4: MMCR once again faulted at morning rounds. Data mount back online and all previous data uploaded overnight.
- 9/5: MMCR mount down, MMCR down. Pointed desk fan at TWTA grill, restarted at 1300Z. Data collection commenced. Fan left on.
- 9/6: MMCR and mount both down during rounds. Instrument shut down completely at 1618Z at Duane's request (due to odd smell upon earlier reboot).

**CAPABL:**

- Offsite as of 8/19.
- Continuing to monitor water storage system during winter.

**MPL:**

- Operating normally.
- 9/1: Afterpulse calibration completed at 1233Z. Before cal began, got AMCS timeout after screwing laser lid on.
- 9/2: MPL mount down overnight, back online on morning of 9/3, all remaining data transferred

**VCEIL:**

- Operating normally.

**Hotplate:**

- Operating normally.
- Plans to raise box and cables when weather permits.

**IceCAM:**

- Operating normally

**PAERI:**

- Operating normally

**ASIA-A:**

- Operating normally.

**TSI:**

- Operating normally

**IcePIC:**

- Pics taken and uploaded to ftp on 9/3.

**MASC:**

- Offsite as of 8/13.

**Radiosonde:**

- Twice daily sondes.