

# ICECAPS Weekly Report

February 3 – February 9, 2014

John Lyons

## General:

- MSF facility operating normally.

## Significant Weather Observations:

- 2/3: Winds 145 at 4kn, -43C, 66%, FEW, FZFG clearing around 12Z
- 2/4: Winds 90 at 3kn, -49C, 60%, FEW, no FZFG (unlike 2/1 – 2/3), significantly less riming around station
- 2/5: Winds 120 at 16kn, -36C, 76%, BKN-OVC, DRSN
- 2/6: Winds 139 at 16kn, -37C, 72%, FEW
- 2/7: Winds 97 at 6kn, -45C, 64%, SKC
- 2/8: Winds 73 at 8kn, -47C, 62%, FEW
- 2/9: Winds 86 at 16kn, -42C, 70%, FEW, DRSN

## Dataman Account:

- Operating normally

## MWR:

- Operating normally

## SODAR:

- Operating normally

## POSS:

- Operating normally

## MMCR:

- 2/9: Measurement process appears to have frozen on or before receiver calibration at 1230Z, perhaps due to Labview error. Cleared at 1422Z

## CAPABL:

- No longer operating

## MPL:

- Operating normally

## VCEIL:

- Operating normally

## IceCAM:

- Operating normally

**PAERI:**

- 2/9: Data dropout 1020 – 1037, self-rebooted at 1033. Files renamed and manually rebooted at 1430

**ASIA-A:**

- 2/5: Radiometer communication error, radiometer and PC rebooted
- 2/8: Radiometer communication error at roughly 1130Z, radiometer and PC rebooted at 1230Z

**TSI:**

- Offline for winter

**IcePIC:**

- 2/5: Small needles, prisms, rime, rime clumps, few larger plates
- 2/6: Mostly small needles, prisms, columns, hollow columns, few larger bullets and rosettes

**Radiosonde:**

- 2/5: 12Z sonde had failed wind signals, PTU data appeared OK
- 2/5: Polarsonde#19 launched, sonde board or connection may have failed on launch
- 2/6: 24Z sonde was aborted before launch due to onboard RH difference, second sonde OK
- 2/8: 12Z sonde was aborted before launch due to no GPS signal, second sonde OK
- 2/8: 24Z sonde had failed GPS signal (same unit as 12Z, see email notes)
- Twice daily sondes