

ICECAPS Weekly Report

January 22 – January 28, 2018

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Although blowing snow blocked out views of the first sunrise on the 28th, the skies were full of colors through the week. -HJ

General:

- The HATPRO came off the roof on 01-23, and is now stored in the SMG in preparation for the scheduled February 8th Twin Otter flight. Troubleshooting with the Hotplate continued, but no connection was made even while directly connected to the network switch in the MSF.

Significant Weather Observations:

- 01-22: Bkn cirrostratus. -53C, 5 kts. Br.
- 01-23: Bkn altostratus. -44C, 14 kts. Fzfg, drsn.
- 01-24: Few stratus, bkn cirrostratus. -52C, 11kts. Br.
- 01-25: Bkn altostratus, bkn cirrostratus. -46C, 17 kts.
- 01-26: Ovc stratus. -37C, 16 kts. Blsn.
- 01-27: Few stratus, bkn cirrostratus. -39C, 14 kts. Fzfg, drsn.
- 01-28: Bkn stratus, ovc cirrostratus. -31C, 20 kts. Blsn, sn.

ICECAPS Data Management:

- 01-22: Data transfer complete 11:45Z.
- 01-23: Data transfer complete 11:16Z. Brief network outages mid-day.
- 01-24: Data transfer complete 10:42Z. CAPABL and Ceilometer mounts down overnight.
- 01-25: Data transfer complete 14:08Z. Previous day's missed data transferred.
- 01-26: Data transfer complete 10:54Z.
- 01-27: Data transfer complete 11:39Z.
- 01-28: Data transfer complete 11:53Z.

MWR:

- As of 10-28, 150-90 operating in V11_SCAN_HF.MBF.
- 01-23: HATPRO taken off the roof. During this process, the power strip for both MWRs was accidentally powered down. 150-90 offline 14:00-14:25Z, all checks passed afterwards.

SODAR:

- Operating normally.
- 01-28: Images suggests that dishes have heavy snow covering them. When winds die down, they will be cleaned.

POSS:

- Operating normally in old software.

MMCR:

- Operating normally.

CAPABL:

- Operating normally.
- 01-24: Mount down overnight.

MPL:

- Operating normally.
- 01-26: Heavy snow on window (~2cm). Removed at 13:04Z.

VCEIL:

- Operating normally.
- 01-24: Mount down overnight. Offline 14:06-14:09Z during computer restart for Hotplate troubleshooting.

Hotplate:

- Offline since 2018-01-11 due to Error 1073807339 (timeout expired before operation completed).
- 01-24: Further indoor troubleshooting continued, but no connection made to instrument.

IceCAM:

- Operating normally.

PAERI:

- Operating normally.

TSI:

- In the MSF for winter storage.

IcePIC:

- No images collected this week.

Radiosonde:

- Twice daily soundings
- 01-25- Replaced plastic on balloon prep table.

MASC:

- Operating normally.
- 01-22: Stopped data acquisition and power cycled instrument to reset status. MASC not collecting data 16:48-16:54Z.
- 01-26: Blank images captured due to blowing snow.
- 01-27: Blank images captured due to blowing snow.