

ICECAPS Weekly Report

April 30 – May 6, 2018

Rex Nelson



The growing drift south of MSF.

General:

- The MSF time server GPS antenna is being borrowed by the Radiosonde base station.

Significant Weather Observations:

- 04-30: Br. -36C, 10kts.
- 05-01: Sct altostratus. -33C, 12kts.
- 05-02: Bln. Very low vis. -24C, 32kts.
- 05-03: Bkn stratus. -30C, 12kts. 11:00Z to 22:00Z: 22deg halo
- 05-04: Few stratocumulus. Drsn. Ic. -26C, 15kts. 07:00Z to 12:00Z: 22deg halo
- 05-05: Few stratocumulus. -30C, 5kts.
- 05-06: Bkn altocumulus. Drsn. Br. -33C, 22kts. 18:00Z: 22deg halo, parhelia

ICECAPS Data Management:

- 04-30: Data transfer complete 05:47Z
- 05-01: Data transfer complete 07:42Z
- 05-02: Data transfer complete 07:30Z
- 05-03: Data transfer complete 05:50Z
- 05-04: Data transfer complete 06:40Z
- 05-05: Data transfer complete 08:23Z

- 05-06: Data transfer complete 05:45Z

MWR:

- As of 10-28, 150-90 operating in V11_SCAN_HF.MBF.

SODAR:

- Operating normally.
- 04-30: 12:39-12:46Z: SODAR off while cleaning snow from dishes.
- 05-03: 12:30-12:55Z: SODAR off while cleaning snow from dishes and leveling.

POSS:

- Operating normally in old software.

MMCR:

- Operating normally.

CAPABL:

- Operating normally.
- 05-03: CAPABL was found with a disk boot error at 12:00Z, caused by motor controller comms failure. After power cycling everything, a basic alignment was required.

MPL:

- Operating normally.

VCEIL:

- Operating normally.

Hotplate:

- Offline since 2018-01-11 due to Error 1073807339 (timeout expired before operation completed).
- The hotplate was shipped out for repair.

IceCAM:

- Operating normally.

PAERI:

- Operating normally.
- 04-30: Red LW & SW Responsivity flags. Cleaned mirror at 11:57Z.
- 05-02: Red LW & SW Responsivity flags. Flags cleared after a few hours.
- 05-03: 1535Z. Cleared snow from around roof box.

TSI:

- In the MSF for winter storage.

IcePIC:

- 05-06: Slides placed for collection 12:45-12:55Z. Particles photographed include isolated bullets, needles, simple prisms, and irregulars.

Radiosonde:

- Twice daily soundings.
- Radiosonde GPS antenna is temporarily located on SE Green House roof railing.

MASC:

- The MASC was shipped out for repair.