

# ICECAPS Weekly Report

April 2 – 8, 2018

Rex Nelson



Old footsteps wind-carved into new sastrugi on the path from MSF to the Big House.

## General:

- Heavy equipment operations around station all week.

## Significant Weather Observations:

- 04-02: Ovc altostratus. -28C, 12kts. Fzfg. ~11:15 to ~18:30Z: 22deg halo.
- 04-03: Few stratocumulus. -36C, 20kts. Br, Drsn.
- 04-04: Skc. -44C, 11kts.
- 04-05: Few altostratus. -44, 9kts.
- 04-06: Few stratus. -44C, 11kts. Br.
- 04-07: Few cirrus. -38C, 12kts. Br.
- 04-08: Few altostratus. -32C, 9kts. ~10:00 to ~12:30Z: faint 22deg halo

## ICECAPS Data Management:

- 04-02: Data transfer complete 14:38Z
- 04-03: Data transfer complete 14:09Z
- 04-04: Data transfer complete 17:45Z
- 04-05: Data transfer complete 15:06Z

- 04-06: Data transfer complete 16:21Z
- 04-07: Data transfer complete 17:29Z
- 04-08: Data transfer complete 13:37Z

**MWR:**

- As of 10-28, 150-90 operating in V11\_SCAN\_HF.MBF.

**SODAR:**

- Operating normally.
- 04-04 through 04-07: Heavy equipment operations caught on SODAR.

**POSS:**

- Operating normally in old software.

**MMCR:**

- Operating normally.

**CAPABL:**

- Operating normally.
- 04-02: 17:00Z. Wiped snow from window after sweeping roof.

**MPL:**

- Operating normally.

**VCEIL:**

- The ceilometer was removed from the roof on 2018-03-28 due to laser failure. It is awaiting parts.

**Hotplate:**

- Offline since 2018-01-11 due to Error 1073807339 (timeout expired before operation completed).

**IceCAM:**

- Operating normally.

**PAERI:**

- Operating normally.
- 04-04: Multiple yellow flags due to low temps outside and inside.
- 04-05: Some yellow flags due to low outside temps.
- 04-06: Some yellow flags due to low outside temps.
- 04-07: Some yellow flags due to low outside temps.

**TSI:**

- In the MSF for winter storage.

**IcePIC:**

- 04-02: Slides placed for collection 1830-1835Z. Particles photographed include isolated

bullets, bullet rosettes, radiating plates, and irregulars.

**Radiosonde:**

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

**MASC:**

- The MASC has been packaged for shipment to Vanderbilt for repairs.