

ICECAPS Weekly Report

April 16 – 22, 2018

Rex Nelson



A nice sunset on 04-17.

General:

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

Significant Weather Observations:

- 04-16: Few altostratus. -24C, 7kts. A period of freezing fog in the morning.
- 04-17: Ovc fzfg. -20C, 14kts. Turning clear after the sundog. 12:50-13:10Z: 22deg halo, parhelia, faint upper tangent arc, faint 46deg halo, circumzenithal arc, partial parhelic circle, 120deg parhelia.
- 04-18: Sct fzfg. -25C, 10kts. 10:30-11:30Z: fogbow.
- 04-19: Few stratus. Fzfg. Sn. -22C, 12kts. Intermittent 22deg halo throughout the day.
- 04-20: Ovc stratocumulus. Br. Sn. -19C, 12kts.
- 04-21: Bkn altostratus. -25C, 6kts.
- 04-22: Br. -33C, 14kts.

ICECAPS Data Management:

- 04-16: Data transfer complete 06:48Z

- 04-17: Data transfer complete 06:28Z
- 04-18: Data transfer complete 07:04Z
- 04-19: Data transfer complete 06:38Z
- 04-20: Data transfer complete 06:43Z
- 04-21: Data transfer complete 06:51Z
- 04-22: Data transfer complete 06:52Z

MWR:

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

SODAR:

- Operating normally.
- 04-16: 16:46-16:58Z, SODAR off while cleaning snow from dishes.

POSS:

- Operating normally in old software.

MMCR:

- Operating normally.

CAPABL:

- Operating normally.
- 04-17: 05:45Z. PMT voltage increased to 1000.
- 04-22: 12:36Z. Cleared snow from window after sweeping roof.

MPL:

- Operating normally.
- 04-22: 12:36Z. Cleared snow from window after sweeping roof.

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.
- 04-17: 1630-1730Z. Fan removed and thermistors unplugged from IPSD while replacing Outside Temp thermistor.

TSI:

- In the MSF for winter storage.

IcePIC:

- No images collected this week

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.