

ICECAPS Weekly Report

May 7 – May 13, 2018

Rex Nelson



Sun halo in thick diamond dust on the evening of 05-12. Photo by Marci Beitch.

General:

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

Significant Weather Observations:

- 05-07: Few altocumulus. -35C, 9kts.
- 05-08: Skc. -36C, 7kts.
- 05-09: Skc. -34C, 11kts. 18:00Z: faint 22deg halo.
- 05-10: Sct altocumulus. -27C, 10kts.
- 05-11: Low visibility in Blsn. -22C, 21kts. 18:00Z: 22deg halo, parhelia, upper tangent arc, faint circumzenithal arc
- 05-12: Bkn altocumulus. Blsn. -17C, 20kts. Skc in afternoon. Thick diamond dust in evening. 12:00Z: 22deg halo. 19:00-00:00Z: partial 22deg halo, parhelia, solar pillar
- 05-13: Sct altocumulus. -19C, 5kts.

ICECAPS Data Management:

- 05-07: Data transfer complete 05:49Z
- 05-08: Data transfer complete 06:02Z
- 05-09: Data transfer complete 07:36Z
- 05-10: Data transfer complete 07:02Z
- 05-11: Data transfer complete 05:49Z
- 05-12: Data transfer complete 06:08Z
- 05-13: Data transfer complete 06:07Z

MWR:

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

SODAR:

- Operating normally.
- 05-12: 18:21-18:27Z: SODAR off while cleaning dishes.

POSS:

- Operating normally in old software.

MMCR:

- Operating normally.

CAPABL:

- Operating normally.

MPL:

- Operating normally.

VCEIL:

- Operating normally.

Hotplate:

- Offline since 2018-01-11.
- The hotplate has been shipped out for repair.

IceCAM:

- Operating normally.

PAERI:

- Operating normally.
- 05-12: LW & SW Responsivity flags intermittent and self-clearing in blowing snow.

TSI:

- In the MSF for winter storage.
- 05-12: Confirmed functionality in preparation for redeployment.

IcePIC:

- 05-12: Slides placed for collection 17:45-17:50Z. Particles photographed include simple

- prisms, hexagonal plates, and irregulars.
- 05-13: Slides placed for collection 18:30-18:50Z. Particles photographed include hollow columns, 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 shipped out for repair.