

ICECAPS Weekly Report

July 31 – August 6, 2017

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Cables and footpaths radiate from the precipitation suite. SWD

General:

- 08-02: The network connection was temporarily switched from summer to winter bandwidth caps from 08-02 to 08-04. The ICECAPS data transfers completed 8 to 13 hours later on these days. We expect summer bandwidth caps to remain in place through the end of FP6.
- 08-03: The D7 bulldozer removed snow drifts from the vicinity of the MSF from 15:48 to 18:15Z.

Significant Weather Observations:

- 07-31: Few stratus. Freezing fog in morning. -7C, 8 kts.
- 08-01: Few stratus. -15C, 8 kts.
- 08-02: Few stratus. -14C, 2 kts.
- 08-03: Broken stratocumulus. Freezing fog after 21:00z. Fogbow 23:15z. -16C, 12 kts.
- 08-04: Broken stratocumulus. Freezing fog 10:00z. -13C, 5 kts.
- 08-05: Scattered stratus and broken altostratus. -17C, 2 kts.
- 08-06: Freezing fog. -17C, 2 kts.

ICECAPS Data Management:

- 07-31: Data transfer complete 05:40Z.

- 08-01: Data transfer complete 05:55Z.
- 08-02: Data transfer complete 14:15Z.
- 08-03: Data transfer complete 13:59Z.
- 08-04: Data transfer complete 18:57Z.
- 08-05: Data transfer complete 06:07Z.
- 08-06: Data transfer complete 06:19Z.
- 08-06: Currently accessed via borrowed monitor.

MWR:

- Operating normally.
- 08-06: Currently accessed via borrowed monitor.

SODAR:

- Operating normally.
- 08-06: Currently accessed via borrowed monitor.

POSS:

- Operating normally.
- 08-06: Currently accessed via borrowed monitor.

MMCR:

- Operating normally.
- Pitch 0.00 to -0.10, Roll 0.00 to -0.11 as of 08-06. Continuing to monitor Pitch and Roll readings under varying sunshine conditions.

CAPABL:

- Operating normally.

MPL:

- Operating normally.

VCEIL:

- Operating normally.

Hotplate:

- Operating normally.

IceCAM:

- Operating normally.

PAERI:

- Operating normally.

TSI:

- Operating normally.

IcePIC:

- 08-03: Slides placed for collection 18:05Z – 18:40Z. No particles retained on slides. Winds were moderate, so particles are possibly vaporizing. Will try a shaded location closer to the building.

Radiosonde:

- Twice daily soundings.
- Issue with *.mwx and *.spf file permissions prevents transfer by data management scripts. File permissions are manually changed every 1-2 days.

MASC:

- Operating normally.