

ICECAPS Weekly Report

March 9 - 15, 2015

Sam Dorsi



Yuki leans into the wind while making his way to the Green House.

General:

- 3/10: Shoveled snow from stubborn areas of MSF roof, secured cables where vulnerable.

Significant Weather Observations:

- 3/9: Few altostratus, 16 kts, -47C
- 3/10: Scattered altostratus, 12 kts, -49C
- 3/11: Blowing snow and freezing fog, 18 kts, -37C
- 3/12: Scattered stratus, 10 kts, -44C
- 3/13: Blowing snow, 20 kts, -36C. Evening winds of 32 kts.
- 3/14: Blowing snow, 15 kts, -28C
- 3/15: Blowing snow, 19 kts, -35C

Dataman Account:

- Operating normally.
- 3/9: Remaining data files from previous day successfully transferred.
- 3/10: A subset of files was not transferred last night: SODAR netCDF file and IceCam photos.
- 3/11: During overnight data upload, a 'lost connection' error occurred. This interfered with the

transfer of one of the PAERI data files.

- 3/12: PAERI data file from previous day transferred successfully. MPL and MMCR mounts were down overnight; likely due to both instruments being rebooted on 3/11.
- 3/13: MPL and MMCR data from previous day transferred successfully. Discovered that the reason for the SODAR and IceCam transfer issues is simply that they are transferring after I perform my daily checks: the data transfer is taking about 12 hours.

MWR:

- HATPRO: operating normally.
- 150-90: operating normally.

SODAR:

- Operating normally.

POSS:

- Operating normally.
- 3/14: Found no power at external power pole outlet during morning rounds due to tripped breaker. Cleared packed snow at outlet, and reset breaker. Data collection resumed at 13:57z.

MMCR:

- Operating normally.
- 3/9: MMCR registered an error during 0z auto-calibration. Error discovered during daily rounds (13:19z) and reported to Matt Shupe and Duane Hazen. Radar data collection continued upon clearing the error.
- 3/11: MMCR registered an error during 0z auto-calibration. Discovered at 13:47z. Rebooted, with normal operation as of 14:40z.
- 3/12: An incidence of TWTA voltage out of spec recorded in Health log file (13:00z).

CAPABL:

- Offsite as of 8/19.
- Continuing to monitor water storage system during winter.

MPL:

- Operating normally.
- 3/11: MPL registered AMCS card error at 04:17z. Rebooted at 14:04z.
- 3/13: MPL registered AMCS card error at 18:27z. Rebooted at 18:34z. After 18 sec of operation, registered same error, so rebooted again. Data collection resumed at 18:40z. Error reappeared again at 19:47z; data collection resumed at 20:19z.
- 3/14: MPL registered AMCS card error at 21:03z

VCEIL:

- Operating normally.

Hotplate:

- Operating normally.
- 3/14: Found no power at hotplate during morning rounds. Breaker was tripped. Cleared snow packed at external power pole outlet, and reset breaker. Data collection resumed at 13:56z.

IceCAM:

- Operating normally.

PAERI:

- Operating normally.

ASIA-A:

- Offline until summer due to broken radio component.

TSI:

- Offline and stored in MSF for winter.

IcePIC:

- No pictures taken.

Radiosonde:

- Twice daily sondes.
- 3/14: In high winds, 12z sonde contacted surface after release.

SNPP-2 campaign:

- 3/15: ER-2 flight performed. Two meteorology radiosondes (14z, 17z) and a NOAA ozone sonde (14z) were released.