

ICECAPS Weekly Report

July 7 – July 13, 2014

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Photos: Noone group removing instruments from 50-m tower, and flight arrival on the 11th with JSEP students and teachers.

General:

- Noone group sharing space in MSF.
- USB temperature sensor comparison for Stillwell.
- Tour and activities with JSEP students—radiosondes & icepics.

Significant Weather Observations:

- 7/7: overcast, wind 15-20kts
- 7/8: morning fog; partly cloudy, calm
- 7/9: partly cloudy, precip from ~11.00UTC
- 7/10: morning fog, clear/ice crystals
- 7/11: clear
- 7/12: clear
- 7/13: morning fog

Dataman Account:

- 7/11: MMCR-radar mount down during data transfer; problem with radar network switch.
- 7/12: Data transfer didn't go due to work director full errors (same problem as on 6/25); ran Icecaps.bash and ArchiveToBoulder.bash manually (15.50 & 18.10UTC) and data went fine.

MWR:

- 150-90: operating normally.
- HATPRO: out for calibration and repairs.
- HATPRO transformer returned

SODAR:

- Operating normally.

POSS:

- Operating normally.

MMCR:

- Duane doing ongoing troubleshooting of radar systems.
- 7/7: Emailed Duane about intermittent TWTA fan noise.
- 7/10: MMCR shutdown and restart (several times to get TWTA back up) per Duane's request.
- 7/11: Radar computer network link down; power cycled network switch and came back up fine.

CAPABL:

- Ongoing troubleshooting of CAPABL data issues.

MPL:

- Operating normally.

VCEIL:

- Operating normally.

Hotplate:

- Operating normally.

IceCAM:

- Operating normally.

PAERI:

- 7/8: Computer hang; Chris Cox rebooted and restarted data acquisition.
- 7/12: Computer hung twice (~21.45 & 22.30UTC); Chris rebooted and restarted data acquisition.
- 7/13: Computer hang/reboot—no data 2.10-2.25UTC.

ASIA-A:

- 7/7: Data acquisition program found stopped again—seems to be going through only 1 measurement cycle; reloaded batch file and restarted acquisition.

TSI:

- 7/10: Not taking good images since midnight (alternating images of green screen and reflection of instrument superimposed on sky?); power cycled TSI and restarted acquisition—images are good now.

IcePIC:

- No flakes/crystals captured this week.
- Took photos of snow (mostly rime) as activity for JSEP students.

MASC:

- 7/7: Rebooted computer and jiggled cat5 extender and repeater cables. All 3 cameras are connected again and operating normally.
- 7/9: No images taken during precip event (1100-1130UTC).

Radiosonde:

- Twice daily sondes.
- 7/12 12Z launch done with JSEP students.
- 7/13 0Z launch: lost a balloon due to bad clip on radiosonde/parachute (may start taping sonde to parachute as a precaution?).