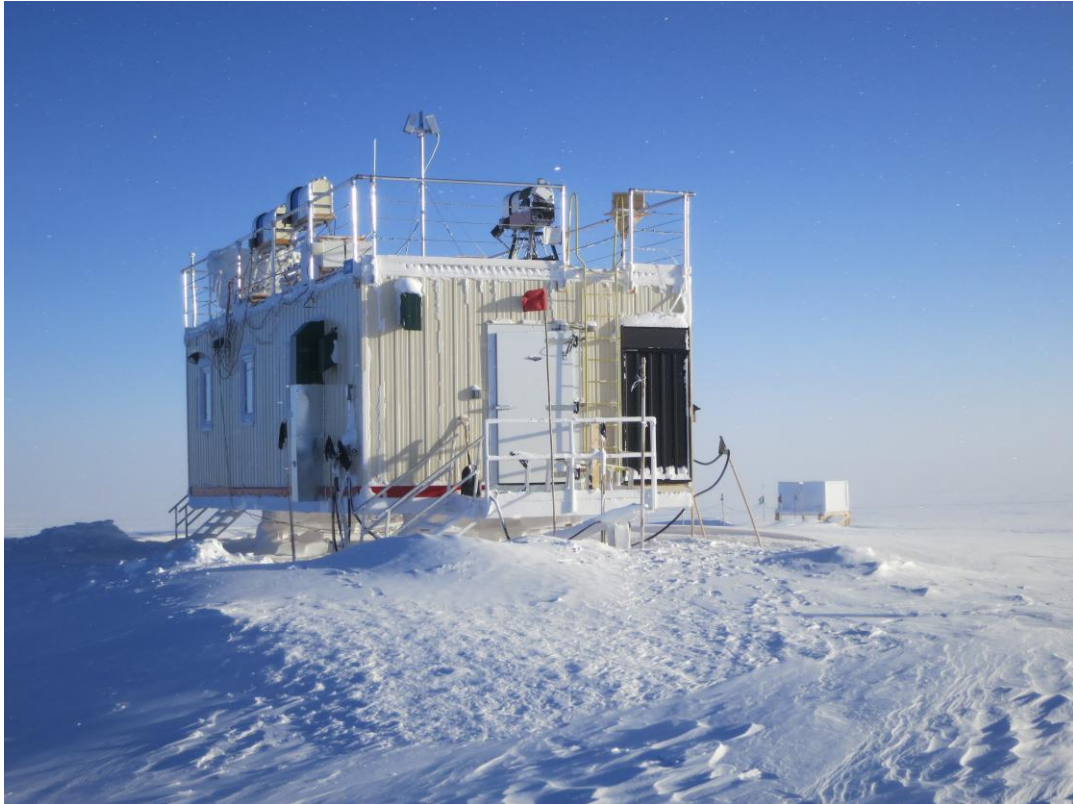


ICECAPS Weekly Report

Oct. 10 – Oct. 16, 2012

Patrick Wright – Phase I Tech



Interesting weather events:

- 10/10 AM launch, 20 degree C surface inversion (clear skies).
- 10/11, storm conditions w/30-35 knot winds throughout day.
- 10/13, storm conditions w/20-25 knot winds during afternoon/evening.
- 10/14, clear skies, moderate to heavy diamond dust, strong optics (see corresponding IcePIC PDF).
- 10/15 AM launch, 21 degree C surface inversion (clear skies).

General Items

- Continued turnover with Lance.

Dataman Account:

- Normal. Continued Drive ECC error.
- 10/16, unmounted full USB drive. Will RETRO (with cables).

PAERI:

- 10/10, removed screen assembly from shelter.
- 10/11, attempted to remove Powerware program twice. Computer freezes both times (although Ingest still runs), cannot complete process.
- 10/12 AM, 10/13 AM, 10/14 AM & PM, fan not operating.....tapped on fan with bamboo, and it started up.
- 10/15, removed fan. New fan installed, turned on at 1536 UTC. Seems to be running well.

MPL:

- 10/10, 01:21:07 UTC, "AMCS Timeout", "Can't open AMCS card: 2". Rebooted computer. Measurements resumed at 12:50:15 UTC.
- 10/11, 12:32:08 UTC, "AMCS Timeout", "Can't open AMCS card: 2". Rebooted computer. Measurements resumed at 14:15:21 UTC.
- 10/12, GetData.bash shows MPL mount down, although Dataman shows mount is active. 10/13, data transferred for 10/11 and 10/12.
- 10/14, Afterpulse Cal. 30m/30s: 201210141315.mpl, 15m/30s: 201210141327.mpl
Measurements resumed at 1337 UTC.
- 10/15, 14:44:17 UTC, "AMCS Timeout", "Can't open AMCS card: 2". Rebooted computer. Measurements resumed at 16:49:31 UTC.

CAPABL:

- 10/12, Dataman shows no data transfer. No laser transmission. Rebooted system at 1344 UTC, measurements resumed at 1355 UTC. Not clear how long system has been down, although daily checks show 1.95A laser current on 10/9.
- 10/16, No laser transmission at morning check. Rebooted system at 1337 UTC, measurements resumed at 1346 UTC.
- E-mail from R. Stillwell indicates that the shortcuts on the desktop were referencing two different software versions. CAPABLMain timer was version3_revison1, polarization control was version3.

MMCR:

- Normal.

MWR:

- 10/11, small black fan on both radiometers (aspirates ambient T/RH sensor) stopped spinning during heavy winds. Likely down for the season.

ASIA-A:

- 10/11, small black fan (aspirates ambient T/RH sensor) stopped spinning during heavy winds.
- 10/13, break in communication w/radiometer at 0720 UTC. Notified Pierre. Rebooted at 1730 UTC.
- Ongoing troubleshooting with webcam/Arduino. Working with Pierre.

SODAR:

- 10/12, 1333 UTC, cleaned snow from rx.

POSS:

- Normal.

VCEIL:

- Normal.

IceCAM:

- Normal.

IcePIC:

- 10/14, 1300 UTC, diamond dust photos.

Radiosonde:

- 10/13 AM launch, late closeout, dual launch w/O₃ sonde.