

ICECAPS Weekly Report

December 28, 2015-January 03, 2016

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Halo over MSF. - MOF

General:

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Significant Weather Observations:

- 12/28: ovc, blsn, stratus, 23.2kts, -26.7C
- 12/29: br sct150 cirrostratus, 15.2kts, -40.0C
- 12/30: blsn, ovc100, 15.4kts, -33.8C
- 12/31: ovc altostratus, 19.8kts, -33.4C
- 1/1: blsn ovc, 30.0kts, -28.2C
- 1/2: bkn cirrostratus, 11.8kts, -43.5C
- 1/3: bkn stratocumulus, 10.6kts, -42.8C

Dataman Account:

- Operating normally.

MWR:

- HATPRO: operating normally.
- 150-90: operating normally.
- Found a “Slave elevation mirror does not respond” error and an incorrect timestamp on the master on 12/31 daily checks. A reboot brought the master timestamp inline, but the slave then showed the incorrect timestamp. A second reboot brought everything back online with correct timestamps.

SODAR:

- Operating normally.
- Removed snow from receiver dish at 1420Z 12/29 and 1540-1548z 01/03
- Removed snow from transmitter and receiver dishes between 1438 and 1450z on 12/31.

POSS:

- Operating normally.
- Found “DC Offset” error on 01/01 with POSS output formatted differently. Restart possacq and no errors reported, but output looks the same. As of 01/02 daily checks, formatting has returned to normal.

MMCR:

- Operating normally.
- Roll went out of spec (reading 5.1 degrees) around 1500Z on 01/02.

CAPABL:

- Operating normally.
- Boot Disk Failure screen found on 12/29. Restarted PC, then a proper shutdown/startup sequence brought everything back online.

MPL:

- Operating normally

VCEIL:

- Operating normally.
- Cleared snow from ceilometer window. Significant ice still remains on lower section (12/29). Ice still remains on lower section, but data is good (12/30). Ice clear from device (1/1).

Hotplate:

- Operating normally.

IceCAM:

- Operating normally.
- Found 0 byte images from 31Dec2015 1545Z onward and could not ping device during 01Jan2016 daily checks. Power cycled POE injector, logged in with default credentials, uploaded 11Nov2013 config file, and everything was back to normal.

PAERI:

- Operating normally.
- Cleared snow from scene mirror at 1240z on 12/31, bring the LW/SW HBB NEN and Responsivities that were Red to Green.
- Cleared snow the enclosure, from the roof and ground from 1420-1430Z on 01/02.

TSI:

- Shutdown and removed from the roof for the winter.

IcePIC:

- No Photos Taken

Radiosonde:

- Twice daily sondes.
- K-sonde used on 12/29 0Z flight.

MASC:

- Operating normally.
- Socket error found on 12/29 and 01/02. Relogging into the RDC and restarting the RunMASC software brought it back online. MASC down from 17Z 12/28 to 13Z 12/29 and 1410Z 01/01 to 1340Z 01/02.
- Found a “MicroController seems unresponsive!” error during daily checks on 12/31. A reboot of the system failed to restart the MacMini, so a manual start of the MacMini was required. This allowed me to connect via RDC and everything came back online successfully.