

ICECAPS Weekly Report

December 07-December 13, 2015

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MSF Aurora and Startrails, 12Dec2015. - MOF

General:

- Monthly generator power test, 12/09/15 1300-1330z

Significant Weather Observations:

- 12/07: sct altostratus, 14.6kts, -44.3C
- 12/08: ovc altostratus, 17.2kts, -33.6C
- 12/09: blsn, ovc stratus, 29.6kts, -32.4C
- 12/10: few altocumulus, sct cirrostratus, 16.6kts, -32.1C
- 12/11: blsn ovc007, stratus, 13.4kts, -29.6C
- 12/12: sct altocumulus, 9.2kts, -48.6C
- 12/13: sct altocumulus, 9.2kts, -55.0C

Dataman Account:

- Operating normally.

MWR:

- HATPRO: operating normally.
- 150-90: operating normally.
- Removed rime from 150-90 and HATPRO on 12/7 and 12/11. Uploaded photos and updated log.

SODAR:

- Operating normally.

- Cleaned transceiver dish on 12/7 from 1410-1425z. A piece of foam (~1'x2') detached from door backing. This was repaired on 12/10 (1654-1721z) with favorable low winds as well as snow cleared from transceiver dish. Updated log.

POSS:

- Operating normally.

MMCR:

- Operating normally.

CAPABL:

- Operating normally.

MPL:

- Operating normally

VCEIL:

- Operating normally.

Hotplate:

- Operating normally.

IceCAM:

- Operating normally.

PAERI:

- Operating normally.
- Red LW/SW Responsivities during evening of 12/08. Cleared by 0z and green by morning.
- Mirror Motor Temp yellow on 12/13, but Encoder Scene Confirm remained green.

TSI:

- Shutdown and removed from the roof for the winter.

IcePIC:

- No Photos Taken

Radiosonde:

- Twice daily sondes.
- Failed launch on evening of 12/08 due to 35-40 kt winds. K-sonde was used.

MASC:

- Operating normally.
- Cleaned flashes of rime at 1248z on 12/07.
- Found MASC PC frozen during daily checks on 12/09. A Force Quit of RDC and warm start fixed the problem. Seems to have frozen around 20z on 12/08, right around the time we were hitting 35-40 kts.
- MASC Mount Down reported in Icecaps.20151209.log file on 12/10, but everything else

appears to be functioning correctly and mount seems actually to be up. Working properly by afternoon of 12/10.