

ICECAPS Weekly Report

January 11, 2016 – January 17, 2016

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A Spotlight or the Horizon? - MOF, 1/13

General:

- Generator power swap – from 1303-1323z. – 1/13

Significant Weather Observations:

- 1/11: few altocumulus, 13.6kts, -50.4C
- 1/12: few altocumulus, 6.8kts, -43.3C
- 1/13: ovc stratus, 10.3kts, -34.5C
- 1/14: few altocumulus, 15.0kts, -43.6C
- 1/15: fzf, 0.0kts, -30.4C
- 1/16: few altocumulus, sct altostratus, bkn cirrostratus, 10.6kts, -39.6C
- 1/17: few altocumulus, sct cirrostratus, 10.0kts, -41.7C

Dataman Account:

- Operating normally.

MWR:

- HATPRO: Removed for repairs (1550-1915z on 1/11) to be sent to vendor. 150/90 back online at 1645z.
- 150-90: operating normally.
- Hatpro lowered from roof at 1400-1500z on 1/12.
- Hatpro moved into SOB at 1500z on 1/15.

SODAR:

- Operating normally.

POSS:

- Operating normally.

MMCR:

- Operating normally.
- Roll continues to be off by 5 degrees. May be a wiring issue since last time it was off this

much, I check connectivity of the wires, found them all good, and the roll suddenly corrected itself. As it is off by the same amount this time suddenly, I don't think the building shifted 5 degrees.

- Found Error 7: File Not Found error on 1/11 daily checks. Pressing "continue" allowed operation to resume. No errors found on 1/12.

CAPABL:

- Operating normally.

MPL:

- Operating normally.

VCEIL:

- Operating normally.

Hotplate:

- Operating normally.
- 1/13 – Sensor registering precipitation signal even though it was not precipitating out. Brushed and shifted wires, which solved the problem.

IceCAM:

- Operating normally.

PAERI:

- Operating normally.
- Caught PAERI LW/SW Responsivities going from yellow to red at 1430Z on 1/13. Cleared mirror of minimal snow, which brought it back to LW green and SW yellow. With the HATPRO removed, I think North winds will be more likely to blow snow into the hatch.
- PAERI fan #3 died on 1/14. Replacing the fuse did not fix this. I installed fan #1 on the enclosure and put it outside for operation. On 1/15, I noticed the new fan exhibited a "ticking" noise as had previously been found prior to having its bearings replaced. I replaced the bearings on fan #3, which caused it to work. I then replaced fan #1 (with the tick) with fan #3 (fan that has been operating all winter). Logs have all been updated.

TSI:

- Shutdown and removed from the roof for the winter.

IcePIC:

- No Photos Taken

Radiosonde:

- Twice daily sondes.
- 1/17 0Z launch successful, but not closed out in time.

MASC:

- Operating normally.
- Found three camera bus resets on 1/16 daily checks.