

ICECAPS Weekly Report

December 14-December 20, 2015

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Yukimarimo During the Cold Spell. - MOF

General:

- Summit lost Internet/Phones on afternoon of 12/19, reestablished on afternoon of 12/20.

Significant Weather Observations:

- 12/14: few080, altocumulus, 6.4kts, -57.9C
- 12/15: few000, BR IC, 9.0kts, -53.2C
- 12/16: few060, altocumulus, 5.8kts, -60.4C
- 12/17: SKC, 6.0kts, -43.7C
- 12/18: few050, altocumulus, 17.0kts, -46.5C
- 12/19: SKC, 13.0kts, -58.7C
- 12/20: SKC, 12.6kts, -51.9C

Dataman Account:

- Operating normally.

MWR:

- HATPRO: operating normally.
- 150-90: operating normally.
- Removed rime from 150-90 and HATPRO on 12/16. Uploaded photos and updated log.

SODAR:

- Operating normally.

POSS:

- Operating normally.

MMCR:

- Operating normally.
- Received “Could not read calibration table” error on 12/18-19 at 12z. The 1230Z calibration passed however.
- Rebooted MMCR Radar on 12/19, which solved the issue.

CAPABL:

- Operating normally.
- Found a Boot Disk Failure error on 12/14. Restarting the CAPABL PC brought Windows back up and after a proper reboot, everything came back online. Now operating Laser 1 with Licel at 900. I took this opportunity to adjust the iris size from 4 to 8 as well.

MPL:

- Operating normally

VCEIL:

- Operating normally.
- Very low temperatures (< -60C) caused the ceilometer’s blower and outheater to be turned off and outside temperature to go out of range on 12/16. By morning of 12/17, everything recovered.

Hotplate:

- Operating normally.
- LED is blinking red, but no faults or errors reported in software. Data looks reasonable. (12/15-12/17, 12/19-12/20). Temperatures warmed to > -50C by 12/18 and light began blinking green.

IceCAM:

- Operating normally.

PAERI:

- Operating normally.
- Encoder Scene Confirm went Red on 12/14. Due to Con1 conditions (Windchill < -100F, actual was -110F at least) the fan was not removed until morning of 12/15. This allowed for the instrument to warm and good data to be taken after a software reboot.
- Reinstalled fan on 12/18 as temperatures were > -50C.
- Encoder Scene Confirm went Red around 6z on 12/20. Fan removed during daily checks. Reinstalled during afternoon and scene mirror cleaned due to LW/SW Responsivities going red.

TSI:

- Shutdown and removed from the roof for the winter.

IcePIC:

- No Photos Taken

Radiosonde:

- Twice daily sondes.
- Noticed the RH cycling over a range of 10-30 % on mornings of 12/16 and 12/17, evening 12/18. Sonde data seems good.

MASC:

- Operating normally.