

ICECAPS Weekly Report

August 8, 2016 – August 14, 2016

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A snowstorm in the distance of the Big House -HJ

General:

- Due to server work, the internet was down on 8/9/2016 from 1450-1519z. A planned power outage occurred on 8/12/2016 for generator training. Outage times were 1607-1610z and 1625-1628z. Turnover with Travis and Elissa continued, all daily and weekly tasking has been covered.

Significant Weather Observations:

- 8/8: Bkn nimbostratus, ovc stratus. -15C, 12 kts. Visibility 3200m. –Sn in morning.
- 8/9: Few altocumulus, becoming ovc stratocumulus in the afternoon. -12C, 15 kts. Visibility 3200m. IC in the morning. 1115-1300z: 22 degree halo, parhelia, circumzenithal arc, parhelic circle. –Sn in evening (2000z).
- 8/10: Ovc stratus. -10C, 3 kts. Visibility unlimited. 1000z: –Sn.
- 8/11: Few stratus in evening, clear all day. -18C, 10kts. Visibility unlimited. Br in the morning, fogbow. 1200-1500z: IC
- 8/12: Sct altostratus,-20C, 0kts. Afternoon: Ovc stratus, -14C, 0 kts. Visibility unlimited. 1100-1500z: IC.
- 8/13: Bkn altocumulus and stratocumulus. -17C, 5 kts. Visibility unlimited
- 8/14: Bkn altocumulus. -14C, 5 kts. Visibility unlimited. –Sg in the morning. 1700z: verga. 1930z: corona. 2315z: fogbow, corona, and glory.

Dataman Account:

- 8/8: Data transfer complete 1719z.
- 8/9: Data transfer complete 1307z.
- 8/10: Data transfer complete 0634z. (I don't know how or why it was so fast, but everything

transferred. Jaime is looking into this.)

- 8/11: Data transfer complete 0632z.
- 8/12: Data transfer complete 1346z.
- 8/13: Data transfer complete 1051z.
- 8/14: Data transfer complete 1127z.

MWR:

- Operating normally.
- 8/8: Absolute calibrations preformed on HATPRO and 150-90. 1910z: Terminated running batch. 1912-1914z: 150-90 calibrated. 1923-1927z: HATPRO calibrated. 1927-1957z: internal_external flop measurement run. 1957: Returned to normal v_11scan.mdf collection.
- 8/9: Absolute calibration preformed on HATPRO. 1821z: Terminated running batch. 1834-1836z: HATPRO calibration. 1836-1856z: internal_external flop measurement run. 1901z: Returned to normal v_11scan.mdf collection.
- 8/10: Absolute calibration preformed on HATPRO. 1815z: Terminated running batch. 1833-1835z: HATPRO calibration. 1836-1855z: internal_external flop measurement run. 1905z: Returned to normal v_11scan.mdf collection.

SODAR:

- Operating normally.
- 8/12: 1314-1340z- powered down for turnover training.

POSS:

- Operating normally.
- 8/12: 1314-13:40z- powered down for turnover training

MMCR:

- Operating normally.
- Roll bouncing between 0.32 and 0.43 degrees, pitch bouncing between 0.00 and -0.10.

CAPABL:

- Operating normally.
- 8/11: Aligned laser.
- 8/12: Shut down for turnover training. Realigned afterwards.

MPL:

- Operating normally.

VCEIL:

- Operating normally.

Hotplate:

- Off site for repairs since 6/9/2016.

IceCAM:

- Operating normally.
- 8/11: Heavy frost covering camera 0245-1030z

PAERI:

- Operating normally.

TSI:

- Operating normally.
- Due to decreasing angle of the sun, false low cloud coverage is reported during the early morning and late evening hours, and there are no raw or processed photos from ~0000z-0600z (time increasing each day).

IcePIC:

- 8/10: Slides placed for collection 1211z. Images photographed include broken stellar plates, rimed hexagonal plates, and radiating irregulars.
- 8/14: Slides placed for collection 1152z. Images photographed include rimed dendrites, rimed irregulars, bullet rosettes, hollow columns, and ice crystals formed on slides that were left out the previous night.

Radiosonde:

- Twice daily soundings.
- 8/13: Successful RS41 test launch
- 8/13: No morning balloon due to early ANG arrival.

MASC:

- Offsite for repairs since 5/3/2016.