

# ICECAPS Weekly Report

July 24 – 30, 2017

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The JSEP backlit pit provides a glowing perspective on past precipitation. SWD

## General:

- Flight Period 5 continued through 07-30.
- The JSEP educational group departed on 07-26.
- With turnover complete, Marci Beitch departed Summit and Sam Dorsi took over responsibilities.
- Distinguished visitors including an ANG Search and Rescue team, Dave Smith and John Razzolini from CH2M Hill, and NYT reporter Jon Gertner, all of whom toured the ICECAPS instruments.
- The ICECAPS computer display is periodically flickering. A failure here would potentially affect access to the data management computer, SODAR, POSS and the MWRs.

## Significant Weather Observations:

- 07-24: Few to Sct cirrus. Br and Fzfg in early morning hours. -7C, 8 kts.
- 07-25: Few cirrus to Sct and Bkn stratocumulus and stratus. -6C, 6 kts.
- 07-26: Few to Bkn cirrus. Br and Fzfg in early morning hours. -10C, 6 kts.
- 07-27: Sct to Bkn cirrus and altostratus. -10C, 1 kt.
- 07-28: Sct stratus. -11C, 5 kts.
- 07-29: Sct altocumulus undulatus. -7C, 2 kts.

- 07-30: Few stratus. Fzfg in early morning hours. 18C, 6 kts.

**ICECAPS Data Management:**

- 07-24: Data transfer complete 05:47Z.
- 07-25: Data transfer complete 06:25Z.
- 07-26: Data transfer complete 07:00Z.
- 07-27: Data did not transfer. NOAA server inaccessible.
- 07-28: Data did not initially transfer. NOAA server restored by Kelly Healy. Data transfer reinitiated manually.
- 07-29: Data transfer complete 07:34Z.
- 07-30: Data transfer complete 06:27Z.

**MWR:**

- Operating normally.

**SODAR:**

- Operating normally.
- 07-24: Cleaned snow out of SODAR dishes.
- 07-28: SODAR dishes re-leveled 16:40 to 16:59Z.

**POSS:**

- Operating normally.

**MMCR:**

- Operating normally.
- Pitch 0.00 to -0.10, Roll 0.00 to -0.11 as of 07-30. Continuing to monitor Pitch and Roll readings under varying sunshine conditions.

**CAPABL:**

- Operating normally.

**MPL:**

- Operating normally.

**VCEIL:**

- Operating normally.

**Hotplate:**

- Operating normally.

**IceCAM:**

- Operating normally.
- 07-28: 11:30Z image not captured due to power outage.

**PAERI:**

- Operating normally.

**TSI:**

- Operating normally.

**IcePIC:**

- 07/29: IcePIC defrosted and optics cleaned
- No images captured.

**Radiosonde:**

- Twice daily soundings.
- 07-24: Morning radiosonde launched early (10:58Z) due to 10:00Z LC-130 off-deck from Kanger. 14:20Z: Received email from DMI with Subject: “missing USGL03” and no text in message. DMI likely did not receive the sonde data because of the early launch.
- \*.mx and \*.spf files are not being grabbed by Dataman. Files are manually pushed every 1-2 days by changing permissions in the Sounding Archive folder.

**MASC:**

- Operating normally.