

ICECAPS Weekly Report

September 19, 2016 – September 25, 2016

Elissa Barris, Travis Guy



Faint halo and some cirrus backdrop the solar instruments. –Elissa, 9/25

General:

- 9/20: Unexpected power outage 1156z-1206z
- 9/20: Adjusted air handler fan fins so that they are no longer pointed at the PAERI but pointed towards the tech desk.

Significant Weather Observations:

- 9/19: Sct Altocumulus, -29C, 6kn, Visibility unlimited. Parhelia at 1332z.
- 9/20: Bkn Stratus, FZFG, -31C, 11kn, 800m visibility.
- 9/21: Sct Stratus, FZFG, -31C, 0kn, 700m visibility, clearing in the afternoon. Corona at 1400z.
- 9/22: Few Stratus, Bkn altostratus, Bkn cirrus, BR, -27C, 9kn, 4800 visibility.
- 9/23: Bkn Cumulus, Few Stratus, clearing mid-day. -29C, 10kn, 3200 visibility.
- 9/24: Ovc Stratus., -SN, -18C, 12kn, 4800m visibility,
- 9/25: Bkn Stratocumuls clearing to Sct Cirrus, -24C, 14kn, vis 1600-3200m. 1303z Parhelia.

Dataman Account:

- 9/19: Data transfer complete at 0605z.
- 9/20: Data transfer complete at 0601z.
- 9/21: Data transfer complete at 0601z.
- 9/22: Data transfer complete at 0613z.
- 9/23: Data transfer complete at 0600z.
- 9/24: Data transfer complete at 0611z.
- 9/25: Data transfer complete at 0557z.

MWR:

- Operating normally.

SODAR:

- Operating normally.
- Heavy equipment operating daily for berm construction.

POSS:

- Operating normally.

MMCR:

- Operating normally.
- TWTA Cathode Voltage out of range throughout week.
- 9/22: Duane expressed concern about a temperature drop from 22 to 19C. It appears to coincide with the change in air handler direction that we made in order to keep direct air off of the PAERI.
- Pitch -0.12, roll 0.04 as of 9/25.

CAPABL:

- Operating normally.
- 9/19: Real-time data examined with Robert in clear conditions, determined re-alignment unnecessary at this time.

MPL:

- Operating normally.
- 9/20: Reset clock at 1316z.
- VantageVue communication error (15:57) remains on log.
- “Missing calibration files: Overlap, Dead Time Correction” messages also present throughout week.

VCEIL:

- Operating normally.

Hotplate:

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

IceCAM:

- Operating normally.

PAERI:

- Operating normally.
- 9/19: Insulation added around wall penetration to try to control temperature stability within the exterior casing.
- 9/20: HBB Max Temp Diff warning has been on for longer than 15 straight hours. Contacted Von. He said this is normal with dipping temperatures

TSI:

- Operating normally.
- 9/20: TSI shut down and brought inside due to decreasing temperatures ~1707z.
Farewell TSI!!

IcePIC:

- 8/XX Slides placed for collection XXXXXz. Images photographed include XXXXXXXXX.

Radiosonde:

- Twice daily soundings.

MASC:

- Offsite for repairs since 5/3/2016.