

ICECAPS Weekly Report

December 9 – December 15, 2013

John Lyons

General:

- MSF facility operating normally.
- 12/13: Roof not checked/cleaned due to high winds and BLSN

Significant Weather Observations:

- 12/9: Winds 142 at 16kn, -37C, 72%, DRSN, increased to BLSN overnight
- 12/10: Winds 144 at 15kn, -40C, 68%, BKN
- 12/11: Winds 150 at 15kn, -44C, 64%, FEW
- 12/12: Winds 161 at 15kn, -41C, 67%, SKC-DRSN, SN with a very thin OVC later in day
- 12/13: Winds 127 at 26kn, -28C, 81%, SN-BLSN, increasing to 35+kn afternoon and evening
- 12/14: Winds 101 at 12kn, -28C, 81%, OVC-SN, later FEW-BLSN with halo around moon
- 12/15: Winds 104 at 8kn, -41C, 68%, FEW-SCT

Dataman Account:

- 12/9: ToBoulder folder leftover volume has increased; more leftover in folder than 12/8; PAERI, IcePICS, Icecam, POSS, and sodar remain. Cleared on 12/10.
- 12/10: ICECAPS2 USB disk failed and removed; no replacement on site
- 12/10: Little or no data transferred to Boulder overnight in 12/11 AM
- 12/12: Some 12/10 and 12/11 data remains in ToBoulder: POSS, PAERI, Icecam, Sodar, IcePIC
- 12/13: Some 12/10 and 12/12 data remains
- 12/14: Icecam and two sodar files remaining
- 12/15: Folder clear

MWR:

- Operating normally

SODAR:

- 12/11: Sodar cleaned
- Operating normally

POSS:

- 12/14: "DC offset" error logged twice in AM

MMCR:

- Operating normally

CAPABL:

- No longer operating

MPL:

- Operating normally

VCEIL:

- Operating normally

IceCAM:

- Operating normally

PAERI:

- Operating normally

ASIA-A:

- 12/9 0250Z: Communications error; found and rebooted by Pierre
- 12/13 1251Z: Communications error, rebooted PC and radiometer
- 12/14 1350Z: Communications error, rebooted PC and radiometer

TSI:

- Offline for winter

IcePIC:

- 12/10: Primarily rime, but also small prisms, columns, needles
- 12/12: Small rime, prisms, columns, needles, rimed columns
- 12/14: Primarily rime and rime clumps, also very small prisms and columns, more irregularly shaped than normal

Radiosonde:

- 12/11 12Z: Possibly bad RH reading – measurement was stable, but 30 - 50% RH reading persisted well above tropopause
- 12/14 24Z: Launched at 35kn – sonde & balloon hit ground, but data appears OK
- Twice daily sondes