ICECAPS Weekly Report

January 20 – January 26, 2014
John Lyons

General:
- MSF facility operating normally.

Significant Weather Observations:
- 1/20: Winds 103 at 7kn, -37C, 72%, SCT
- 1/21: Winds 144 at 14kn, -31C, 79%, SCT-DRSN
- 1/22: Winds 155 at 12kn, -26C, 83%, OVC-DRSN
- 1/23: Winds 130 at 20kn, -23C, 87%, BKN-BLSN
- 1/24: Winds 117 at 22kn, -25C, 84%, SCT-BLSN
- 1/25: Winds 070 at 26kn, -25C, 84%, OVC-BLSN, increasing to 30kn in evening
- 1/26: Winds 076 at 16kn, -31C, 78%, BKN-DRSN

Dataman Account:
- 1/20: 97 files remaining: PAERI, POSS, Icecam, sodar, ceilometer, MPL
- 1/21: 97 files remaining: Icecam, sodar
- 1/22: ToBoulder clear by 13Z
- 1/24: 149 files remaining: PAERI, POSS, Icecam, sodar
- 1/25: 449 files remaining: all instruments
- 1/26: 285 files remaining, POSS (2 days), PAERI, Icecam (2 days), sodar (2 days)

MWR:
- Operating normally

SODAR:
- 1/26 Sodar cleaned; both compartments heavily snowed in

POSS:
- 1/20 0239: DC offset error; single occurrence

MMCR:
- Operating normally

CAPABL:
- No longer operating

MPL:
- Operating normally

VCEIL:
- Operating normally

IceCAM:
- Operating normally

PAERI:
- 1/21: Data dropouts from 0613 – 0629 and 0641 – 0657; instrument self-booted once or twice later in day, re-booted manually a third time after folder name corrections
- 1/23: Data dropouts from 1428 – 1449; instrument self-rebooted once at 1445
- 1/25: LW and SW responsivity alarms ongoing throughout day due to BLSN accumulation
- 1/26 1415: Mirror and instrument face cleared twice, fan removed and enclosure cleared of deep snow

ASIA-A:
- Operating normally

TSI:
- Offline for winter

IcePIC:
- No samples this week

Radiosonde:
- 1/22 24Z: Sonde aborted before launch due to discrepancy between two onboard RH sensors during equilibration, second sonde launched successfully
- 1/25 24Z: Launch failed due to high winds
- 1/26 24Z: Surface observation mis-entry (temp) on launch, re-ran data in simulation to correct before transmittal to GTS
- Twice daily sondes