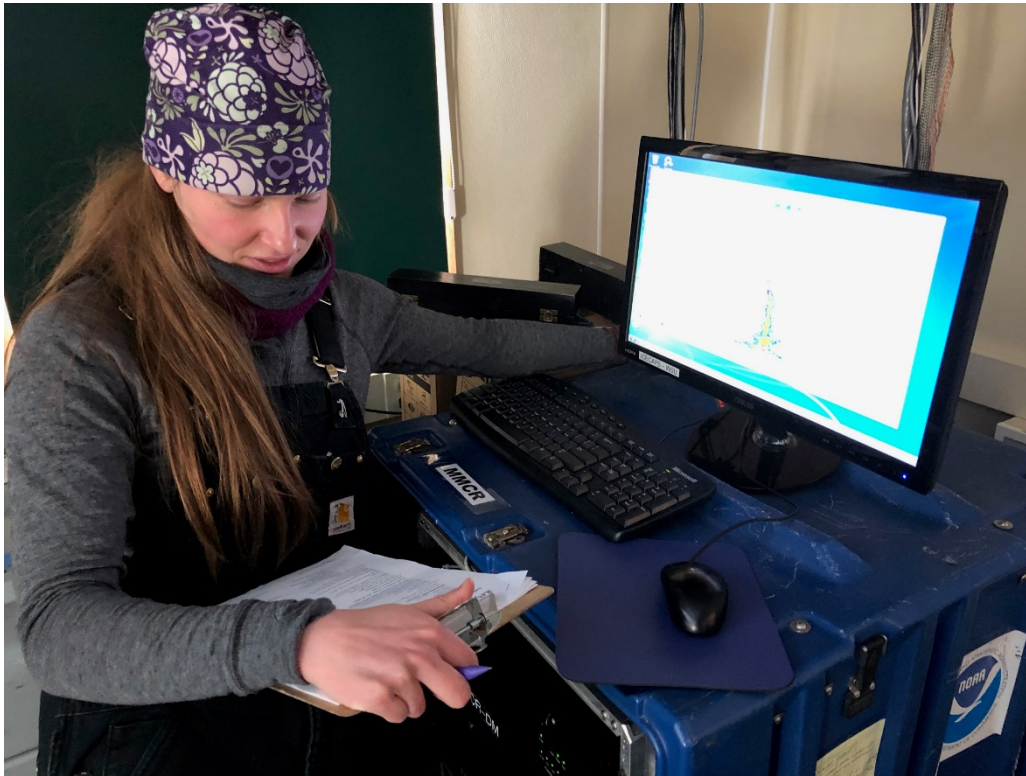


# ICECAPS-ACE Weekly Report

May 4 – May 10, 2020

Nate Bowker



*Mara Menahan conducting daily rounds in the MSF as part of turnover cross-training. Photo Nate Bowker*

## General Notes:

The incoming summer crew made it to Thule according to plan, however, the first flight of turnover, which was due in on Friday, 2020-05-08, did not arrive on schedule and further attempts to get a flight into Summit have been hampered by bad weather. As a result of this delay, further video call based training with incoming tech, Ian, as well as cross-training with TAWO tech, Mara, have been a primary focus this week.

## General Weather Observations:

Date	Time (Z)	Wind	Weather	Visibility	Sky	Temp (C)	Notes
05-04	12	6kt from 228	FZFG	500	OVC008	-24	
05-05	12	5kt from 278		9999	FEW032	-33	Clouds distant, height estimated
05-06	12	14kt from 209		9999	FEW032	-30	Clouds distant, height estimated
05-07	12	11kt from 263	BR	1600	FEW065	-32	Clouds distant, height estimated
05-08	12	10kt from 273		9999	SCT032	-33	Clouds distant, height estimated
05-09	12	16kt from 228	BR	3200	BKN065	-26	
05-10	12	23kt from 267	BLSN	100	VV005	-16	

## Significant Weather Observations:

- None.

## MSF

- Operating normally

## ICECAPS-ACE Data Management:

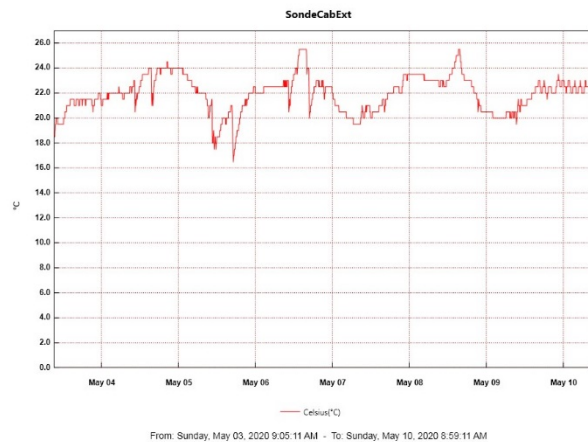
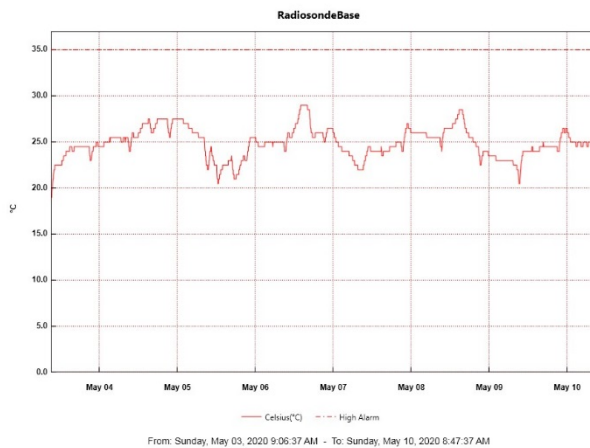
- 05-04: Data transfer completed at 0444Z.
- 05-05: Data transfer completed at 0449Z.
- 05-06: Data transfer completed at 0438Z.
- 05-07: Data transfer completed at 0522Z.
- 05-08: Data transfer completed at 0446Z.
- 05-09: Data transfer completed at 0449Z.
- 05-10: Data transfer completed at 0451Z.

## TSI:

- Operating normally.

## Radiosonde:

- 2020-05-05 0000Z: Experienced SPS connectivity issue.
- 2020-05-05 1200Z: Experienced SPS connectivity issue.
- 2020-05-06: Started shutting down SPS in between soundings.
- 2020-05-10 1200Z: Sonde failed preparation. No reason listed.
- 2020-05-10 1200Z: Sounding terminated at 13747m due to temperature sensor failure likely related to a rough launch in 35kt winds.
- See charts below for temperatures inside and outside the radiosonde cabinet over the last week.



## MWR:

- HATPRO offsite for repairs. 150-90 online and operating normally.

## SODAR:

- Operating normally.

## POSS:

- 2020-05-05: Inspected all POSS cabling and found it to be in good shape.
- 2020-05-06: Replaced heat light bulb found to be burnt out in POSS enclosure.
- Offline

**MASC:**

- The replacement Firewire repeater has arrived in Thule.
- Offline for winter season.

**MMCR:**

- 2020-04-21: Began receiving NetCDF radar errors hourly which can be cleared without issue.
- 2020-05-06: Second occurrence of LabView file not found warning since last reboot.
- 2020-05-08: NetCDF radar errors corrected via remote intervention.
- 2020-05-10: Third occurrence of LabView file not found warning since last reboot.
- Operating normally.

**CAPABL:**

- 2020-05-04: Shut down briefly to remove frost from window. Had to power cycle meadowlark and licel twice to get things to come back up normally.
- Operating normally.

**MPL:**

- Operating normally.

**CEILOMETER:**

- Operating normally.

**PAERI:**

- Operating normally

**IceCAM:**

- Operating normally.

**IcePIC:**

- No photos taken this week.

**CLASP:**

- Offline

**CPC:**

- Offline

**MSF - OPC:**

- 2020-05-04 1152Z: Restarted after outage beginning at 1733Z on 05-03.
- Operating normally.

**TAWO - OPC:**

- Operating normally.

**SKYOPC:**

- Operating normally.

**INP Freezing Assay:**

- 2020-05-06: Weekly assays completed.

**Fluxtower instrument suite:**

- Troubleshooting of snow depth sensor is ongoing.
- Operating normally.

**Radiometers:**

- 2020-05-04: Completed weekly data download
- Operating normally.