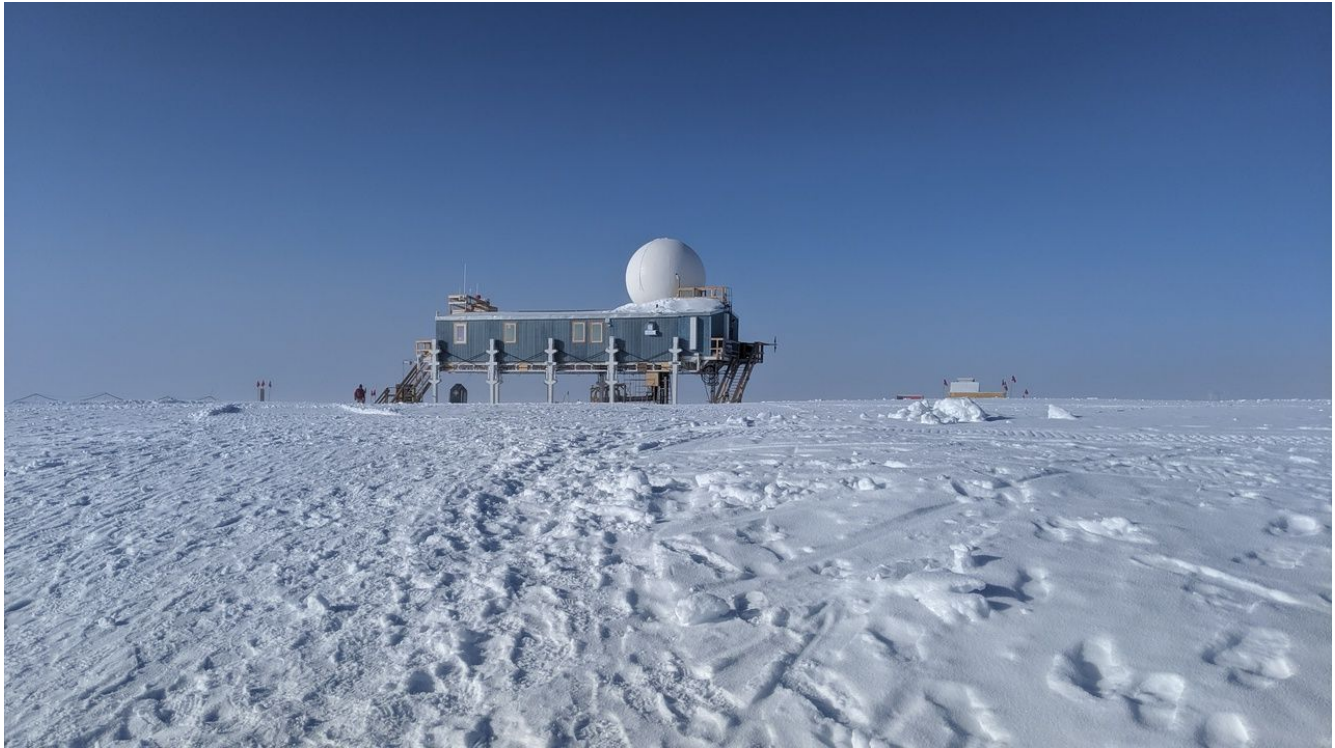


# ICECAPS-ACE Weekly Report

Week 24, June 10- June 16, 2019

Jonathon Miller



The "Big House"

## General Weather Observations

Date	Time (UTC)	Temp (°C)	Wind (kt / dir)	Weather	Visibility	Sky	Notes
June 10	12:38	-8	5 / 198°		4800	OVC016	
June 11	11:40	-12	3 / 177°		9999	FEW	
June 12	12:00	-2	12 / 214°		4800	OVC005	
June 13	16:15	-2	14 / 156°		9999	BKN019	
June 14	18:14	-8	11 / 160°		9999	FEW	
June 15	12:00	-10	6 / 260		9999	OVC005	
June 16	9:18	-12	3 / 290°		3200	OVC	

## Significant Weather Observations:

### June 12, 13:

- Abnormally warm temperatures for this time of year at Summit Camp. Temperatures reach 0°C for over five hours on June 12.

## ICECAPS-ACE Data Management Transfer

Date	Transfer Complete (UTC)
June 10	04:22:43
June 11	04:21:45
June 12	04:21:37
June 13	04:22:24
June 14	04:21:58
June 15	05:02:31
June 16	04:27:24

### Mobile Science Facility (MSF)

- No issues.

### Microwave Radiometers (MWR)

- Operating normally.

### SONic Detection And Ranging (SODAR)

- Operating normally.

### Precipitation Occurrence Sensor System (POSS)

#### June 13:

- POSS was taken offline from 16:46--18:43 UTC in order to move and align mounting pole.
- Operating normally.

### Millimeter Cloud Radar (MMCR)

#### June 14:

- The error indicator light was red on the LapXM screen of mmcr-radar computer. The error logs were cleared but the error returned within a minute. The error logs were cleared a second and third time. After the third attempt the error indicator remained green and the system seemed to be operating normally.
- On the radar-dm computer, there was a pop-up error on the LabView display indicating "Nonexistent GPIB interface". The error was cleared and the system continued to operate normally.

## **Cloud Aerosol Polarization and Backscatter Lidar (CAPABL)**

- Instrument offline.

## **Micro-Pulse Lidar (MPL)**

- Operating normally.

## **Laser Ceilometer**

- Operating normally.

## **IceCAM**

- Operating normally

## **Polar Atmospheric Emitted Radiance Interferometer (PAERI)**

- Operating normally.

## **Total Sky Imager (TSI)**

- Serial connection errors between the controller and laptop postponed the mirror alignment procedure.
- System is currently offline.

## **Ice Particle Image Camera (ICEPic)**

- No images.

## **Radiosonde**

- Launched twice daily.

## **Multi-Angle Snowflake Camera (MASC)**

- Waiting for SOP update.
- Image data is currently waiting for scripts to process and transfer images to the Dataman computer.

## **Optical Particle Counter (OPC)**

- Quicklooks graph not updating

## **Sky Optical Particle Counter (SKYOPC)**

- Quicklooks graph not updating.

## **Condensation Particle Counter (CPC)**

- Quicklooks graph not updating

## **Compact Lightweight Aerosol Spectrometer Probe (CLASP)**

- Quicklooks graph not updating

## **Fluxtower Instrument Suite**

- The fluxtower Quicklooks display indicates all instruments are operating normally.

## **Ice Nucleating Particles (INP) Freezing Assay**

- Weekly INP assays being conducted.