

ICECAPS-ACE Weekly Report

December 31, 2018 – January 6, 2019

Gus Allen



The number of small light sources in the MSF is not insignificant.

General: Wind and cold temperatures have not allowed much progress on excavating a couple of buried instrument cables around the MSF, so that project is ongoing.

Significant Weather Observations:

Date	Time (Z)	Wind	Weather	Visibility	Sky	Temp	Notes
12-31	12	11kt from 270	BR	0800	FEW000 FEW100	-40	
1-1	12	12kt from 226	BR	0800	FEW000 BKN030	-35	4cm new rime
1-2	12	25kt from 200	BLSN	0200	BKN000 OVC020	-25	
1-3	12	23kt from 120	FZFG BLSN	0200	VV006	-26	
1-4	12	25kt gusting to 30 from 140	BLSN	0200	VV003	-18	
1-5	12	12kt from 170	BR	3200	FEW000 SCT030 BKN090	-32	
1-6	12	07kt from 060		9999	FEW100	-46	2cm new rime

ICECAPS-ACE Data Management:

- 12-31: Data transfer complete at 1231Z
- 1-1: Data transfer complete at 1309Z
- 1-2: Data transfer complete at 1231Z
- 1-3: Data transfer complete at 1345Z
- 1-4: Data transfer complete at 1248Z
- 1-5: Data transfer complete at 1201Z
- 1-6: Data transfer complete at 1331Z

MWR:

- Operating normally.

SODAR:

- Operating normally.

POSS:

- Operating normally.

MMCR:

- 1-2 15Z: Dessicant filters replaced.
- 1-4: Health log indicates that value "Temperature (outdoor)" is out of tolerance, at 24
- 1-5: Health log indicates that value "Temperature (outdoor)" continues out of tolerance, at 13
- Level is currently 0.11 pitch, 0.00 roll
- Operating normally.

CAPABL:

- Instrument currently operating normally using laser 2

MPL:

- Operating normally.

VCEIL:

- Operating normally.

IceCAM:

- Operating normally.

PAERI:

- 1-1: At approximately 14Z, I (apparently) knocked some snow on the scene mirror while clearing the roof. Red LWresponsivity and SWresponsivity flags occurred at this time. I cleaned the scene mirror at 1430Z.
- Operating normally.

TSI:

- Offline for winter season.

IcePIC:

- No images captured this week.

Radiosonde:

- Twice daily launches.

MASC:

- Instrument offsite for repair, will not return until summer 2019.

OPC:

- Located and connected the spare ACE laptop, but it requires configuration from Heather and/or Nealy which has not occurred yet. As a result the ACE quicklooks page is not available, and the ACE mount for DATAMAN is not present.
- OPC appears functional, but I cannot conclusively determine this.

CLASP:

- Instrument off site.

CPC:

- Instrument off site.