

ICECAPS-ACE Weekly Report

December 24 – December 30, 2018

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*Imageable rime ice has been relatively rare so far this season, but that hasn't stopped me from trying.
This 45-image stack was taken on Thursday,*

General:

I have been slowly recovering some semi-buried cables around the MSF leading to the POSS and the SODAR. I believe I have successfully avoided damaging anything or otherwise interfering with operations so far. This (slow) operation will continue into next week.

Significant Weather Observations:

Date	Time (Z)	Wind	Weather	Visibility	Sky	Temp	Notes
12-24	12Z	17kt from 255	BLSN BR	0800	BKN000 BKN050	-30	Wind dropped to 5kts at 14Z
12-25	12	11kt from 220	BLSN BR	0800	SCT000 SCT004	-20	
12-25	16Z	12kt from 251	BLSN BR	0600	BKN000 OVC010	-19	Warmest temp so far this season
12-26	12	05kt from 160	BR	3200	FEW000 SCT100	-35	

12-27	12	09kt from 210	BR	3200	OVC006	-27	1cm rime
12-28	12	11kt from 200	BR IC	1600	FEW000 SCT030	-36	Moon dogs around 12Z
12-29	12	10kt from 210		9999	FEW030 FEW100	-46	
12-30	12	09 from 208	VCFG IC	6000	FEW000 FEW100	-45	

ICECAPS-ACE Data Management:

- 12-24: Data transfer complete at 1623Z
- 12-25: Data transfer complete at 1543Z
- 12-26: Data transfer complete at 1329Z
- 12-27: Data transfer complete at 1217Z
- 12-28: Data transfer complete at 1135Z
- 12-29: Data transfer complete at 1305Z
- 12-30: Data transfer complete at 1427Z

MWR:

- Operating normally.

SODAR:

- 12-25: At daily check I found the SODAR JPGs had not been written. I closed the SODAR software, reopened it. It appears to be operating correctly now.
- Operating normally.

POSS:

- Operating normally.

MMCR:

- Operating normally.

CAPABL:

- 12-24: Snow removed from CAPABL window at 1415Z.
- Instrument currently operating normally using laser 2

MPL:

- Operating normally.

VCEIL:

- Operating normally.

IceCAM:

- Operating normally.

PAERI:

- 12-24: Red flags on LWresponsivity and SWresponsivity. Mirror cleaned at 1420Z.
- Operating normally.

TSI:

- Offline for winter season.

IcePIC:

- Attempted to capture some images on Thursday but had focus issues.
- No images captured this week.

Radiosonde:

- Twice daily launches.

MASC:

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

OPC:

- ACE laptop unresponsive. There is reportedly a spare here, but so far I have been unable to locate it.
- OPC appears functional, but I cannot conclusively determine this.

CLASP:

- Instrument off site.

CPC:

- Instrument off site.