

ICECAPS-ACE Weekly Report

April 8 – April 14, 2019

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Evening light highlights textures in snow and sky.

General Notes: Station opening activities are in full swing. Heavy equipment operation occurring around station on a daily basis.

General Weather Observations:

Date	Time (Z)	Wind	Weather	Visibility	Sky	Temp	Notes
4-8	12	16kt from 160	IC FZFG	800	BKN130	-24	
4-9	12	11kt from 210	IC BR	1000	OVC010	-26	
4-10	12	9kt from 180		9999	BKN015	-26	
4-11	12	13kt from 200	DRSN FZFG	800	BKN013	-25	
4-12	12	14kt from 170	IC FZFG	700	BKN130	-22	
4-13	12	25kt from 160	BLSN	400	VV013	-12	
4-14	12	20kt from 140	BLSN FZFG	400	BKN013	-14	

Significant Weather Observations:

- NTR

ICECAPS-ACE Data Management:

- 4-8: Data transfer completed at 1012Z.
- 4-9: Data transfer completed at 1006Z.
- 4-10: Data transfer completed at 0414Z.
- 4-11: Data transfer completed at 0411Z.
- 4-12: Data transfer completed at 0422Z.
- 4-13: Data transfer completed at 0435Z.
- 4-14: Data transfer completed at 0416Z.

MWR:

- Operating normally.

SODAR:

- Operating normally.

POSS:

- 4-14 0520-0530Z: Experienced “max noise limit” fault code during high winds.
- Operating normally

MMCR:

- 4-11,12: Found DM computer with Labview error 7, but no radar errors on radar computer. Cleared error and resumed normal operation.
- Temp (outside) value continues out of tolerance (at 30)
- Operating normally.

CAPABL:

- Instrument currently offline.

MPL:

- Operating normally.

VCEIL:

- Operating normally.

IceCAM:

- Operating normally

PAERI:

- Operating normally.

TSI:

- Offline for winter season.

IcePIC:

- 4-11: One sampling session photographed and uploaded.
- 4-12: Two sampling sessions photographed and uploaded.

Radiosonde:

- 4-8: A software update for the MW41 sounding system was installed correcting the issues caused by the GPS week number rollover.
- 4-12 1200Z: Sonde burst altitude just under 14km.
- Twice daily launches.

MASC:

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

OPC:

- Operating normally.

CLASP:

- Instrument off site.

CPC:

- 4-13: Found the CPC powered off. This appears attributable to a loose power connection to the ACE PDU. CPC power cord was stabilized and instrument restarted at 1225Z.
- Operating normally