

ICECAPS-ACE Weekly Report

December 3 – December 9, 2018

Gus Allen



A merge of two 5-second exposures shows the first moments of a radiosonde balloon launch in 10 knots of south wind.

General:

No major issues were encountered with any ICECAPS system this week. The trend appears to be mostly smooth operations with only minor glitches every so often.

Significant Weather Observations:

Date	Time (Z)	Wind	Weather	Visibility	Sky	Temp (C)	Notes
12-03	1200	9kts from 250		9999	FEW100	-50	
12-04	1200	11kts from 180		9999	FEW100	-48	
12-05	1200	12kts from 190	BLSN BR	0800	BKN000 BKN080	-44	
12-06	1200	06kts from 210	FZFG	0200	VV002	-33	Sky clearing at 1500
12-07	1200	11kts from 190		9999	FEW100	-44	FZFG at 1600
12-08	1200	14kts from 140	BR	1600	SCT100	-43	BR cleared at 1400
12-09	1200	15kts from 180	BR	1600	FEW100	-40	

ICECAPS-ACE Data Management:

- 12-03: Data transfer complete at 1335Z.
- 12-04: Data transfer complete at 1352Z.
- 12-05: Data transfer complete at 1553Z
- 12-06: Data transfer complete at 1737Z
- 12-07: ICECAPS server had an error prior to initiating data transfer at 00Z. I found the system unresponsive at 1445Z. After communicating with Matt Shupe, I performed a hard reboot at 1716Z. He reinitiated data transfer around 18Z.
- 12-08: Backlog resulting from 12-07 error transferring over entire period.
- 12-09: Data Transfer complete at 1905Z.

MWR:

- Operating normally.

SODAR:

- Operating normally.

POSS:

- 12-07: Stopped recording because ICECAPS linux system locked up. Precise time unclear. Restarted at 1726Z.
- Operating normally.

MMCR:

- Operating normally.

CAPABL:

- 12-03: At daily check around 13Z, I found the CAPABL terminal showing disk boot error. I restarted it using the procedure provided by Robert Stillwell on 11-22. It came back up with no issues at 14Z.
- Instrument currently operating normally using laser 2

MPL:

- Operating normally.

VCEIL:

- Operating normally.

IceCAM:

- Operating normally.

PAERI:

- 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:

- Foam filter appears to keeping intake free of rime, but it isn't clear (to me) if it's affecting the measurement.
- Operating Normally

CLASP:

- Instrument off site.

CPC:

- Instrument off site.