

Report from CBS Lead Centres for GCOS – Region VII

1 Performances of GSN stations in region VII responsible area.

(Description of performance on table 1)

Table 1. Performance of GSN stations in 2024

Country	number of stations	CA	CC	CT	CR	Index
Antarctica	41	0.93				

2 Activities of CBSLC in region VII

2.1 Antarctica

Once again this year the percentage of CLIMAT messages from the Antarctic was in around 93%.

If incorrectly coded CLIMAT Messages were identified then either the national operator is contacted and they were asked to re-send them or the formatting error is corrected and the CLIMAT message resent.

The synoptic observations are monitored on a daily basis and if a station has not transmitted data for more than 5 days then the national operator or the UK Met Office is contacted to see if the issue can be resolved.

Issues

No CLIMAT Messages have been received from Dome A AWS (89577) since February 2023. These could be produced by BAS from the synoptic observations and then this would have produced CLIMAT messages for 5 months.

On the 6th of June 2024 transmission from Butler Island AWS (89266) stopped. This was resolved 5th December when the site was visited and a broken power cable was repaired.

We are having difficulty fully decoding BUFR message at BAS. Currently we get a GTS feed from the UK Met Office so that we can do the monitoring and the UK Met Office convert the BUFR message to alphanumeric messages before then send them to us.

Online Resources

Online resources to allow people to view their data from Antarctica can be found at https://legacy.bas.ac.uk/met/jds/met/SCAR_oma.htm