

Report from CBS Lead Centres for GCOS – Region VII

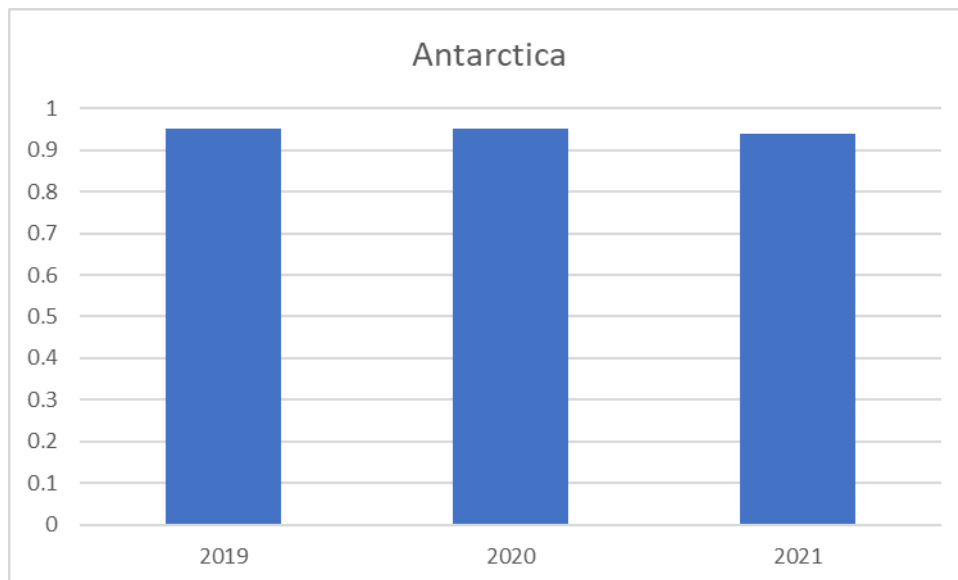
1. Performances of GSN stations in region VII responsible area.

(Description of performance on table 1)

Table 1. Performance of GSN stations in 2022

Country	number of stations	CA	CC	CT	CR	Index
Antarctica	42	0.94				

Figure 1 Performance of GSN stations for three years



2. Activities of CBS LC in region VII

2.1 Antarctica

Once again this year the percentage of CLIMAT messages from the Antarctic was in around 94% (97% if you don't include Mount Siple AWS 89327 which has not been operational for many years). This is due to the missing observations being created at the British Antarctic Survey if more than 90% of the main synoptic hours were available on the GTS.

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

On the 30th September 2022 it was noted that all of the Chilean synoptic observations had stopped appearing on the GTS. Once the UK Met Office were contacted, they said that the BUFR messages had stopped including a WMO stations number. This issue was quickly resolved once the relevant GISC (Global Information System Centres) was contacted and made aware of the issue.

On the 7th October 2022 it was noticed that the observations for the automatic weather stations on the Falkland Island and South George had stopped appearing on the GTS. Once the UK Met Office were alerted to this, they identified an issue with the internal routing of the observations and then the issue was resolved very quickly.

We are having difficulty decoding BUFR message at BAS. At the moment 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

Information where sensor failures have been detected at stations transmitting on the GTS can be found at:

https://legacy.bas.ac.uk/met/READER/GCOS/PERCENTAGES/sensor_status_suspect.html