

ANTARCTIC AUTOMATIC WEATHER STATION DATA USAGE IN ECMWF
REANALYSIS DATA SETS

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1. Abstract

The ECMWF reanalysis data sets have become a standard in the research field for both long term and short term studies of climate and weather phenomena. Due to the prevalence of the usage of these data sets knowing what observations are being utilized in making them becomes essential to discern their accuracy as well as to understand their limitations. This talk will discuss discrepancies between the ECMWF ERA-40 archive documents and what AWS observation data has been utilized, as well as mechanisms to keep the community informed of changes in observation networks to minimize these discrepancies.

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