



Evaluation of three operational forecasting products for Antarctica for the Austral winter 2013

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It is widely recognised that numerical weather forecasts for Antarctica are relatively poor. Still, few, if any study has until now evaluated in detail the quality of forecasts for this region. In the presented study, we evaluate and compare three operational forecast products from ECMWF, GFS and AMPS for the austral winter (June-August) of 2013 for the Weddell Sea region. Land-based point observations from the operational network of automatic weather stations (AWS) and radiosondes from the region are used in the evaluation. In addition, we also evaluate the forecasts using AWS and radiosonde data obtained during a Polarstern cruise that took place in the area in 2013.