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Errors in synoptic-scale windstorm forecasting

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Different forecasts of a windstorm in Iceland are studied. The windstorm prediction is quite accurate in a 48 hr forecast, while a 72 hr forecast is rather poor. An investigation of these two forecasts reveals differences in the airflow around S-Greenland and a magnification of the differences by the topography. This case is compared to previously studied cases of modification of atmospheric flow by Greenland, leading to an amplification of forecast errors.