



Dissemination of atmospheric parameters relevant for aircraft safety from operational high-resolution numerical simulations

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Recently a number of weather-related aircraft incidents have been investigated aiming at detecting what resolved parameters in the atmospheric flow are useful as predictors of such incidents. As a result of these investigations, plots of forecasted vertical velocity and turbulence kinetic energy from numerical simulations by the Harmonie model with a horizontal resolution of 2.5 km are now provided on a regular basis and disseminated freely on the web (brunnur.vedur.is/kort/spakort). These plots reveal frequently areas of up to extremely high values locally, values that case studies have shown to cause severe incidents.