

NUMERICAL SIMULATION OF FLOW OVER AN AIRPORT DURING A LOW-LEVEL WIND SHEAR EVENT

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Abstract

In this paper we present the flow features of a severe low-level wind shear event near an airport simulated using a high-resolution numerical weather prediction model. The open-source model Weather Research and Forecasting (WRF) was used for the numerical simulations. Our initial analysis shows the ability of the model in capturing the possibility of the wind shear event.