

ON THE USE OF THE MAP FIELD EXPERIMENT DATA TO VALIDATE THE MESOSCALE NUMERICAL SIMULATION

Wang, Y.

Abstract: During Mesoscale Alpine Programme (MAP) Special Observation Period (SOP) a large number of additional upper-air soundings, radar, instrument flights and high resolution surface observations have been collected. Those data make a direct validation of the mesoscale numerical simulation over mountainous area possible. In this study, the ALADIN mesoscale simulations, especially precipitation and convection, have been validated against the MAP field experiment data by using fully prognostic and semi-prognostic method.