

Intercomparison of rainfall simulations using different bulk microphysical models

Yoshinori Yamada (yyamada@mri-jma.go.jp)
Meteorological Research Institute, Forecast Research

Simulations of heavy rainfalls at sub-km resolutions were made using three different microphysical models in order to investigate how the difference in these models affect the results. The difference in the one- and two-moment of warm phase had a large impact in regard to the amount of rainfalls for each of the ice-phase models, while the different ice-phase models did not bring about significant contrast in the amount or distribution pattern of rainfalls for each of one- and two-moment warm phase models.