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# Cloud-resolving simulation and mechanistic analysis of a squall line in East China

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#### **ABSTRACT**

A severe squall line that occurred in east China on 12 July 2014 was simulated using the Weather Research and Forecasting model. Based on the cloud-resolving simulation results, the structural features and propagation mechanisms of the squall line were analyzed in detail. The main results were as follows: (1) The dynamic and

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