

## 高分解能数値モデルへのドップラーライダー観測データのデータ同化

Data assimilation of Doppler Lidar data with high resolution weather model in Tokyo metropolitan area

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This study aims to investigate the impact of data assimilation of Doppler Lidar data with high resolution non-hydrostatic weather model in Tokyo metropolitan area. The small-scale convergence of surface wind field in the boundary layer is considered as one of the most important factor to determine the generation of heavy rainfall in urban area.

Considering that the complex feature of surface wind field has not fully elucidated, this study compared observation data with control simulation and data assimilation simulation.

キーワード：大気境界層、データ同化、高分解能数値モデル

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