Supplement of

Evaluation of the New York State Mesonet Profiler Network data

Bhupal Shrestha et al.

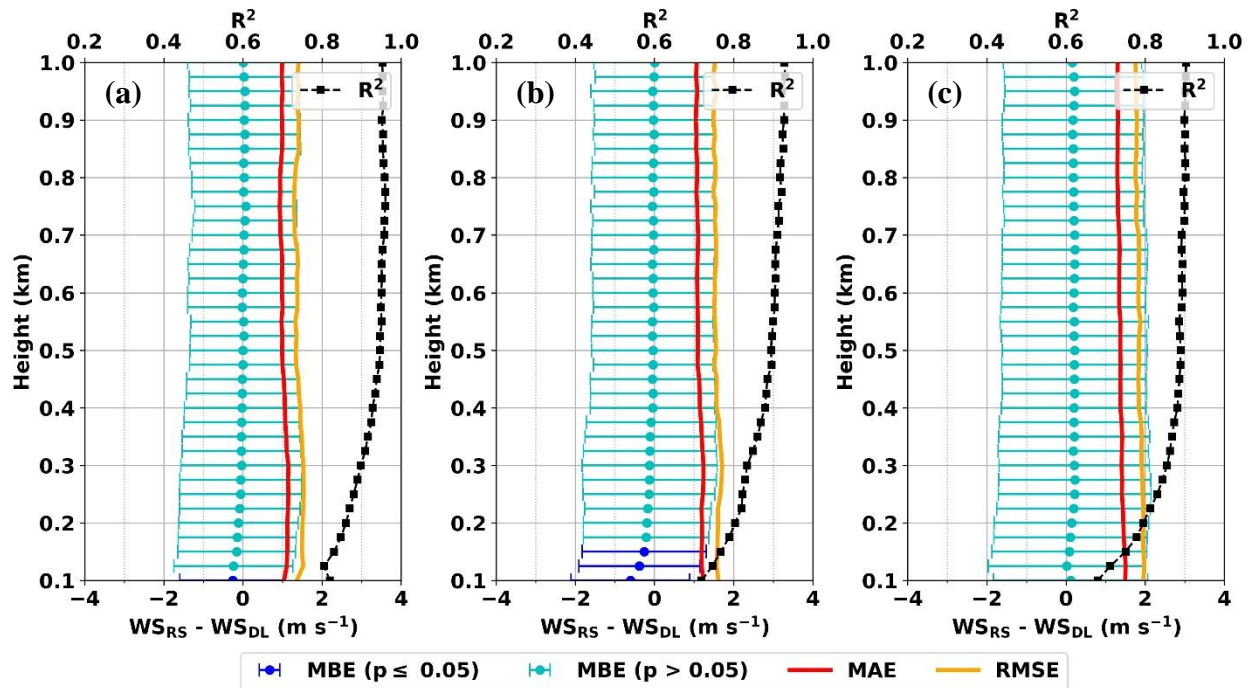*Correspondence to:* Bhupal Shrestha (bshrestha@albany.edu)

Figure S1: Vertical profiles of R^2, MBE with one standard deviation error bars, MAE and RMSE for horizontal wind speed (WS) at three NYSM Profiler Network sites at: (a) Buffalo, (b) Albany, and (c) Stony Brook.
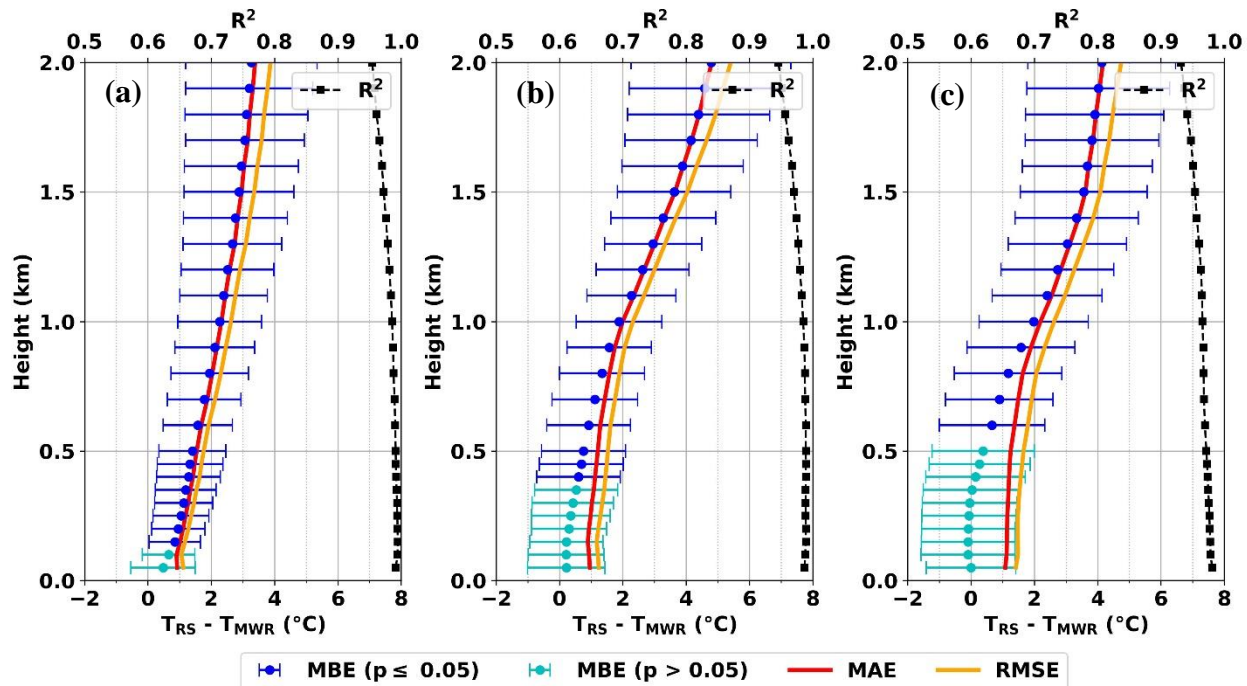
Figure S2: Vertical profiles of R^2, MBE with one standard deviation error bars, MAE and RMSE for temperature (T) at three NYSM Profiler Sites at: (a) Buffalo, (b) Albany, and (c) Stony Brook.
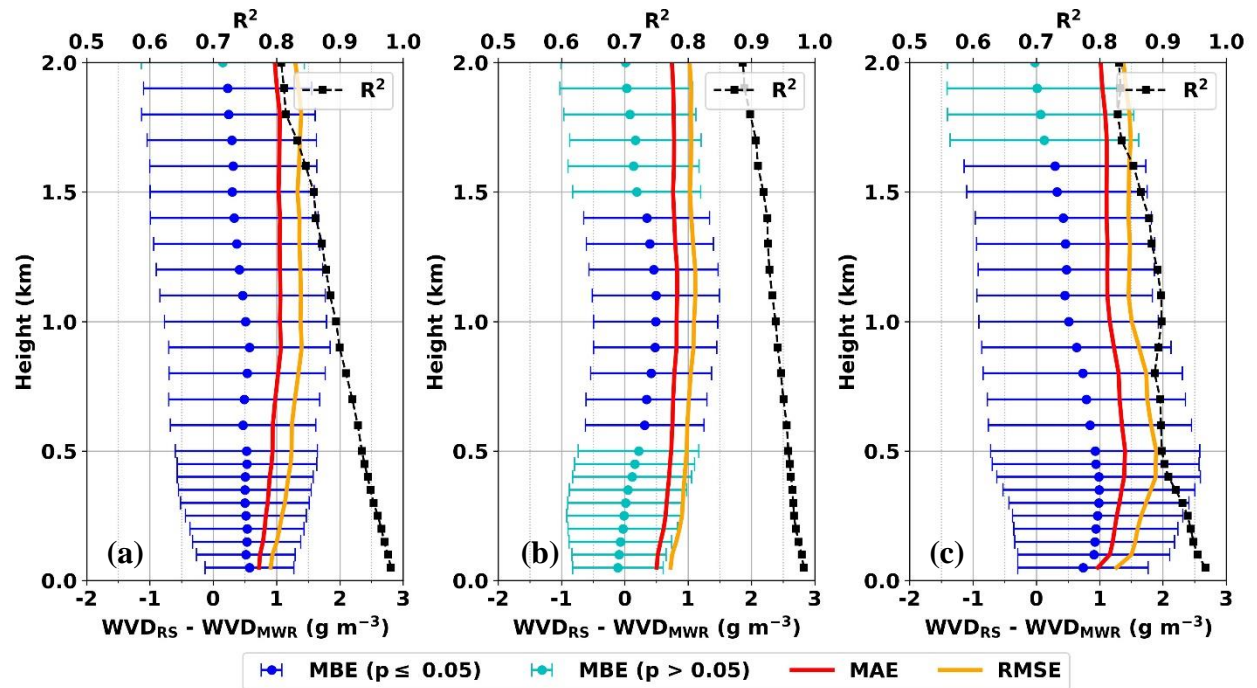
Figure S3: Vertical profiles of R^2, MBE with one standard deviation error bars, MAE and RMSE for water vapor density (WVD) at three NYSM Profiler Sites at: (a) Buffalo, (b) Albany, and (c) Stony Brook.
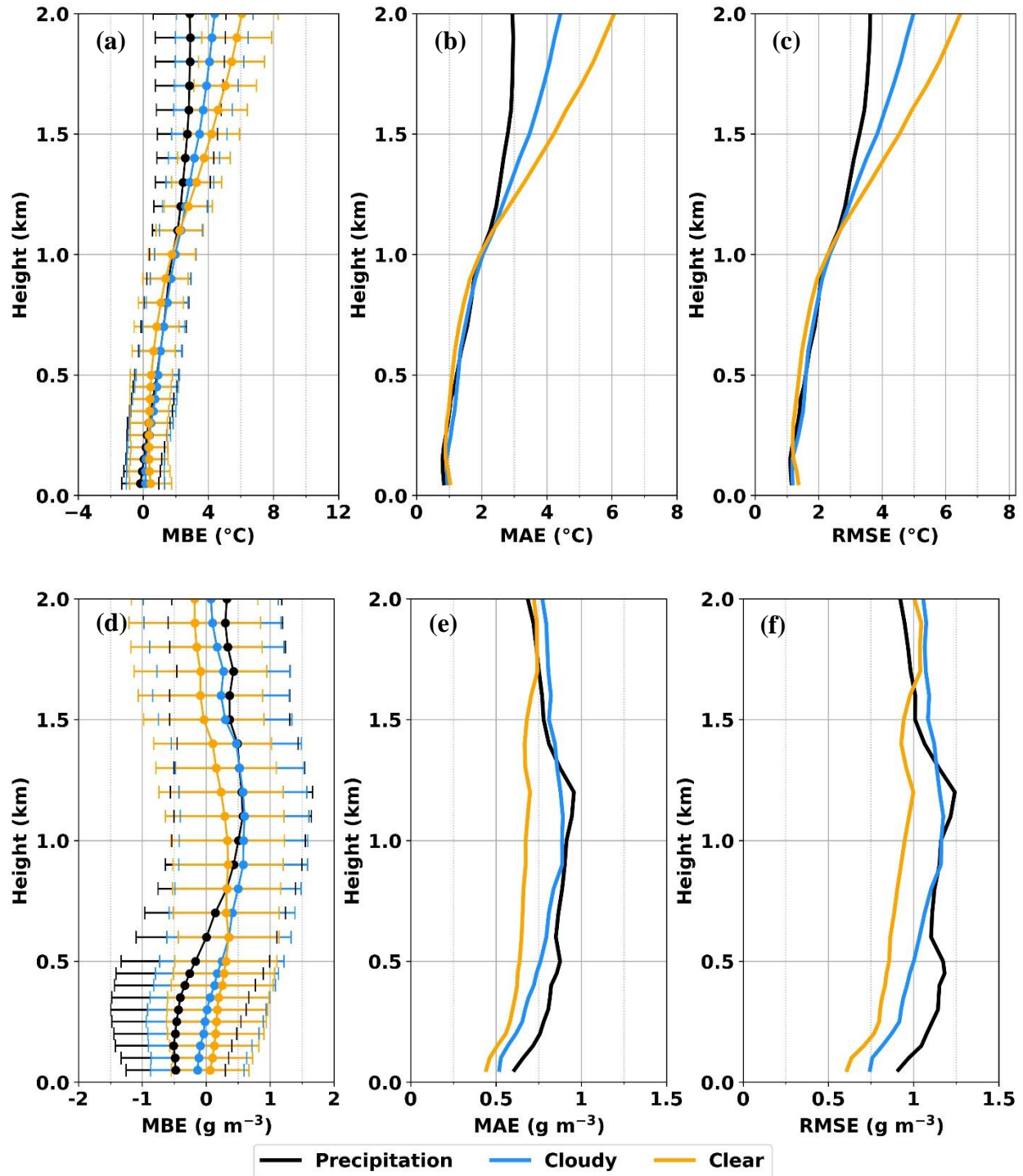
Figure S4: Vertical profiles of MBE with one standard deviation error bars, MAE and RMSE for (a – c) temperature and (d – f) water vapor density during three weather conditions from the NYSM Profiler site at Albany.