

*Supplement of*

**New insights on the prevalence of drizzle in marine stratocumulus clouds based on a machine learning algorithm applied to radar Doppler spectra**

**Zeen Zhu et al.**

Correspondence to: Zeen Zhu ([zeen.zhu@stonybrook.edu](mailto:zeen.zhu@stonybrook.edu))

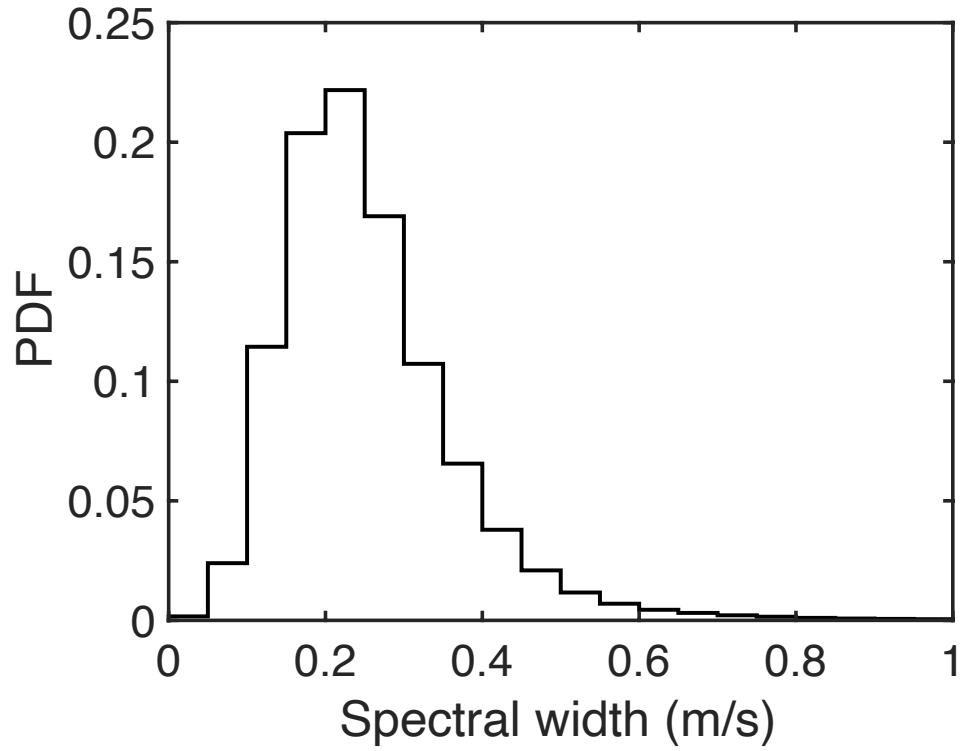


Figure S1: PDF of KAZR-observed spectral width with reflectivity < -20 dBZ collected from the ACE-ENA IOP1 campaign.

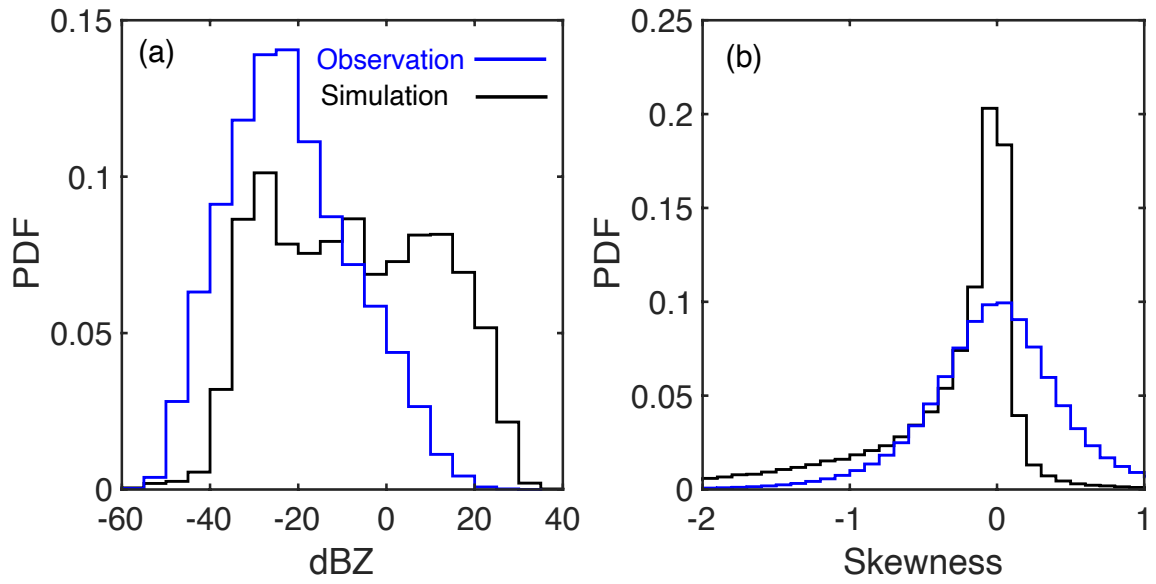


Figure S2: PDF of reflectivity (a) and skewness (b) from radar observation (blue line) and from the Doppler simulator (black line) with the setting indicated in the manuscript. The in-situ measurements and radar observation are obtained from ACE-ENA IOP1.