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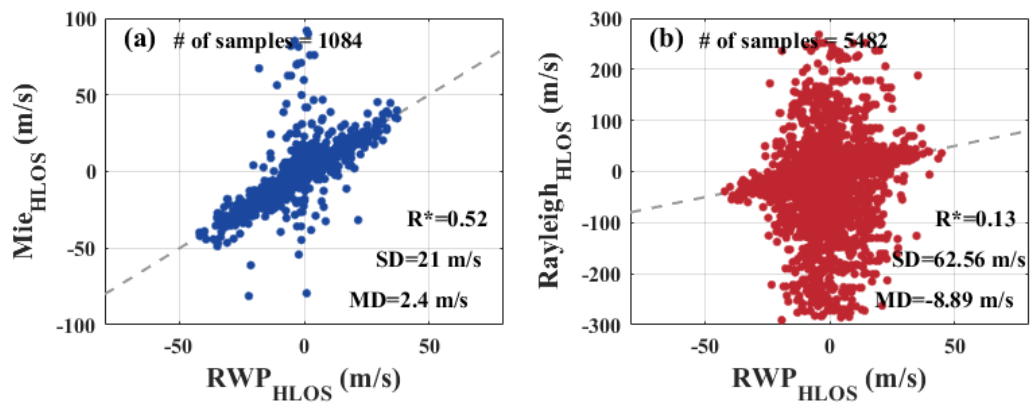
*Supplement of*

**Technical note: First comparison of wind observations from ESA's satellite mission Aeolus and ground-based radar wind profiler network of China**

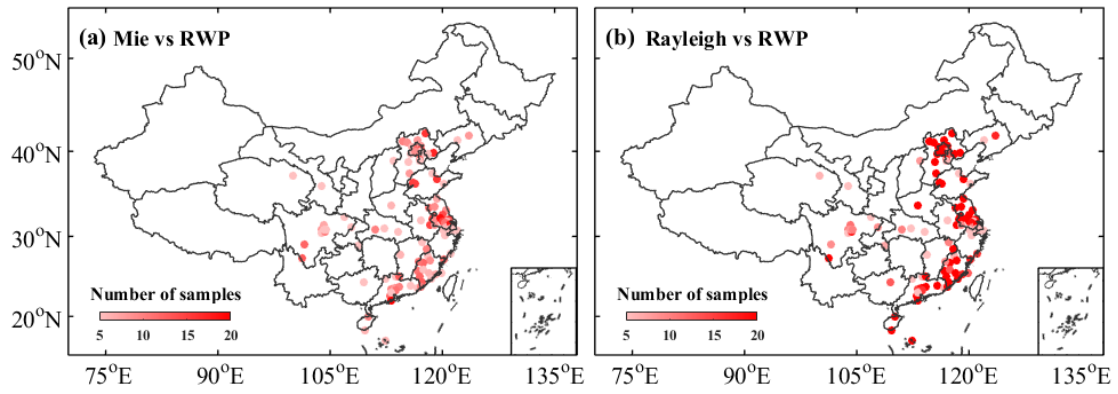
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**Figure S1.** Aeolus against RWP HLOS winds for (a) Mie-cloudy winds and (d) Rayleigh-clear winds for all data.



**Figure S2.** Spatial distribution of the number of paired data samples between Aeolus HLOS and RWP HLOS wind speeds at each RWP site. The wind measurements are separated in (a) Mie-cloudy winds and (b) Rayleigh-clear winds.