Supplementary Material
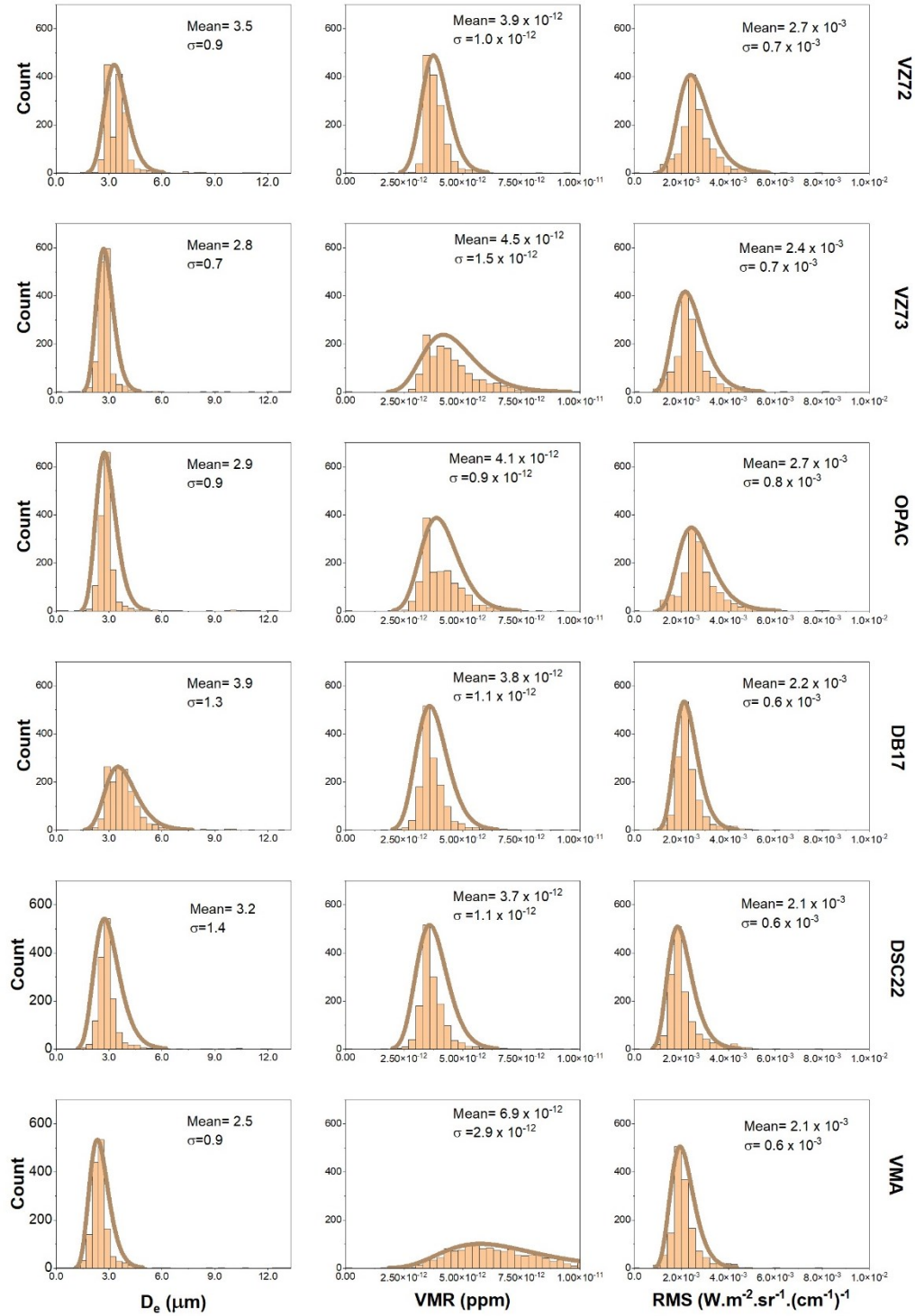
Figure S1. The normal distribution of the aerosol parameters retrieval of the dust plume originating from the Gobi Desert in 4 May 2017 applied on six literature CRIs using ARAHMIS: VZ72: Volz, 1972; VZ73: Volz, 1973; OPAC: Hess et al., 1998; DB17: Di Biagio et al., 2017; DSC22: Deschutter, 2022; VMA: Volume mixing approximation from Deschutter, 2022.