1 Supplement of

2 Understanding Processes that Control Dust Spatial Distributions with

3 Global Climate Models and Satellite Observations

4 Mingxuan Wu et al.

5 Correspondence to: Xiaohong Liu (xiaohong.liu@tamu.edu)

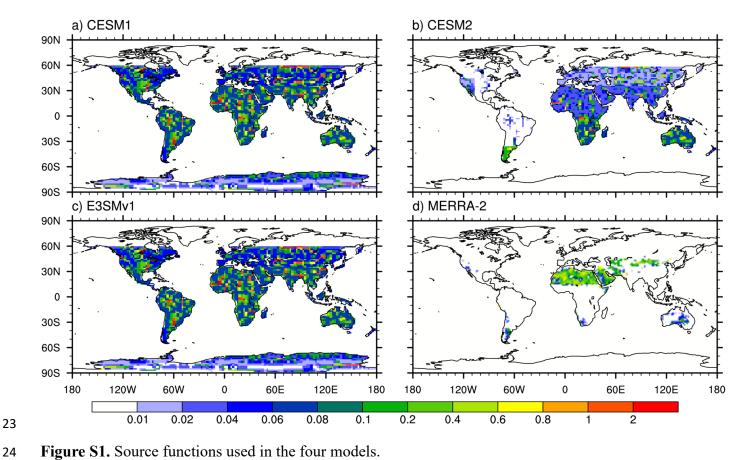


Figure S1. Source functions used in the four models.

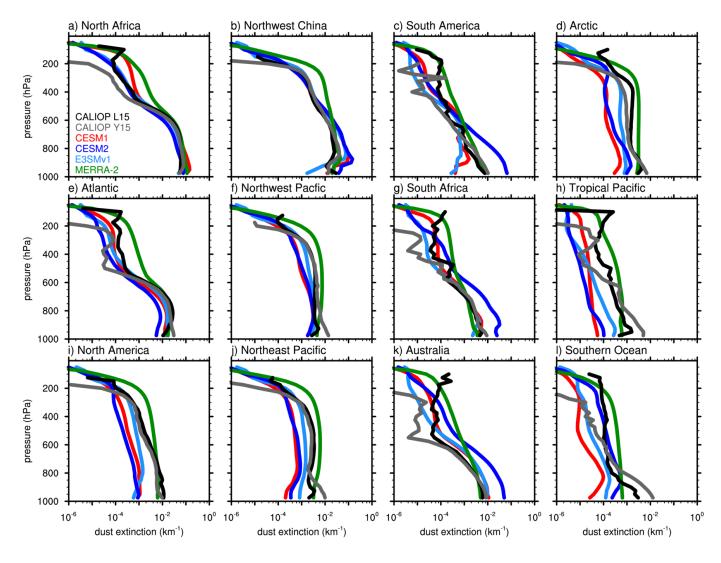


Figure S2. Vertical profiles of MAM mean dust extinction (km⁻¹) from model simulations and CALIOP over 12 selected regions during 2007-2009.

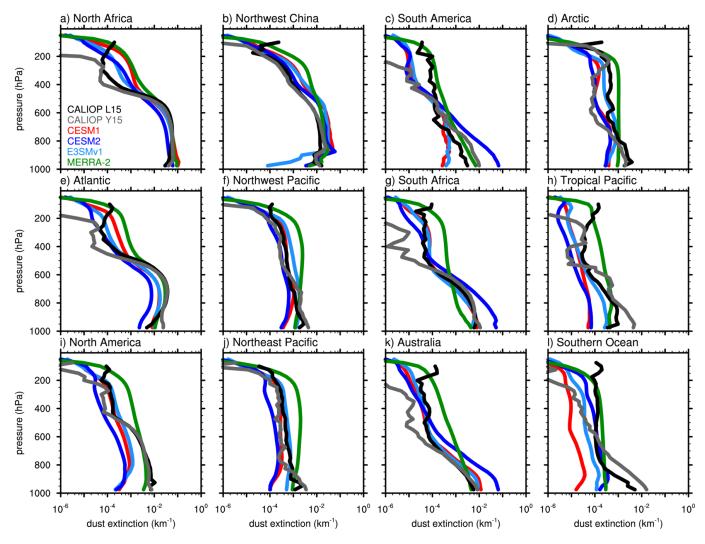


Figure S3. Vertical profiles of JJA mean dust extinction (km⁻¹) from model simulations and CALIOP over 12 selected regions during 2007-2009.

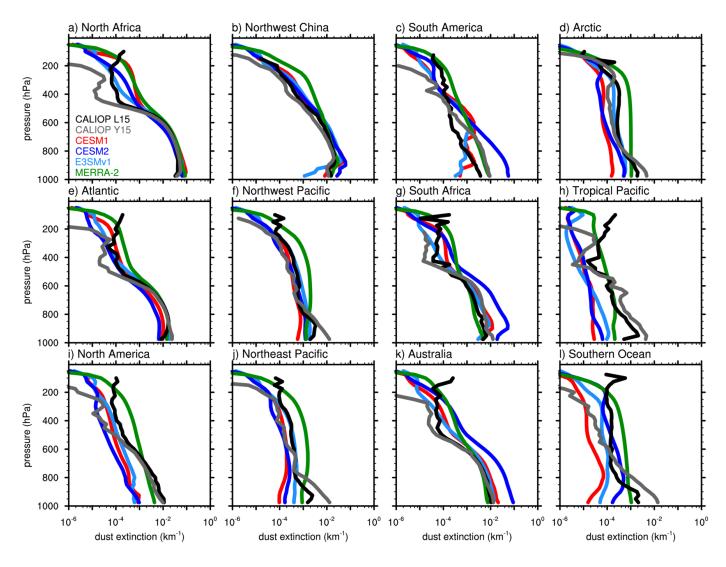


Figure S4. Vertical profiles of SON mean dust extinction (km⁻¹) from model simulations and CALIOP over 12 selected regions during 2007-2009.

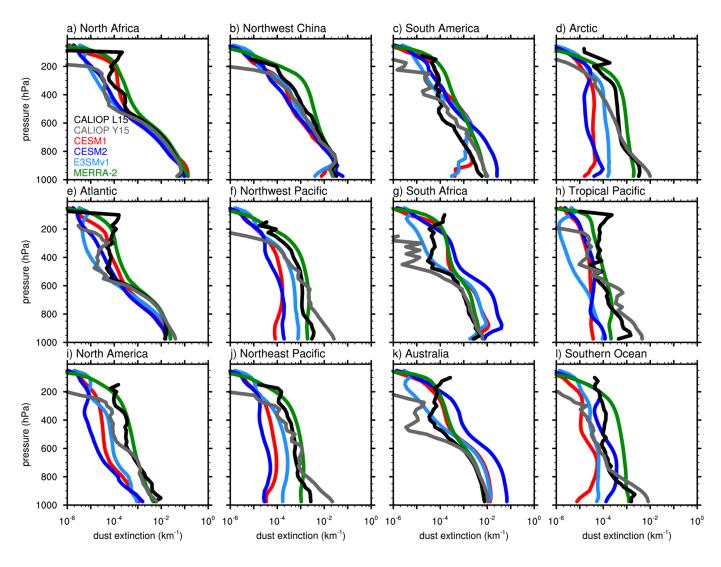


Figure S5. Vertical profiles of DJF mean dust extinction (km⁻¹) from model simulations and CALIOP over 12 selected regions during 2007-2009.