Supplement of Atmos. Chem. Phys., 19, 12709–12730, 2019
https://doi.org/10.5194/acp-19-12709-2019-supplement

Atmospheric Chemistry and Physics
Open Access
EGU

Supplement of

Trans-Pacific transport and evolution of aerosols: spatiotemporal characteristics and source contributions

Zhiyuan Hu et al.

Correspondence to: Jianping Huang (hjp@lzu.edu.cn)

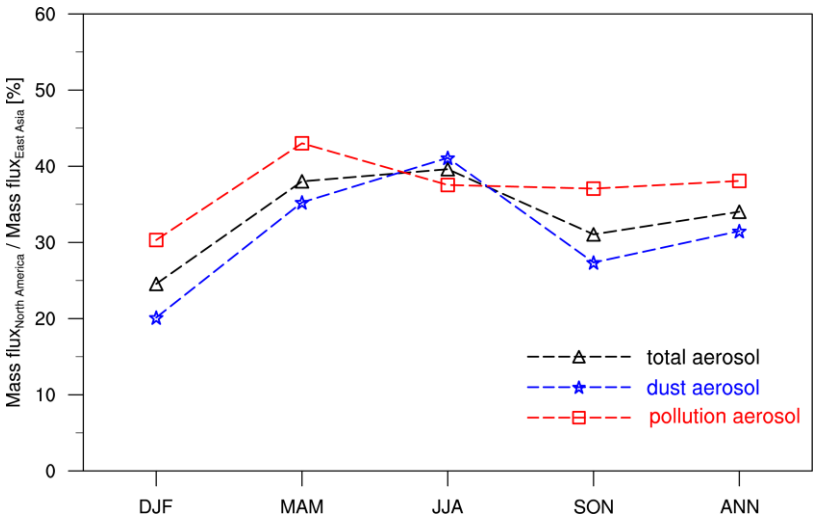

Figure S1. The transport efficiency of aerosol mass flux arriving into North America vs that leaving East Asia in seasonal and annual from total aerosol (included dust, sulfate, nitrate, organic matter, black carbon and ammonium), dust, and pollution aerosol (included sulfate, nitrate, organic matter, black carbon and ammonium).

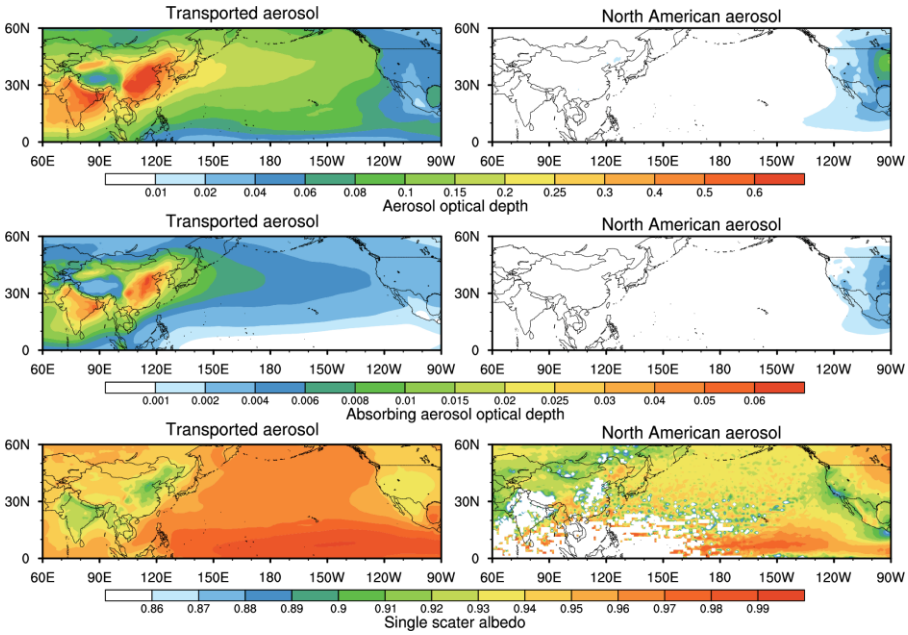

Figure S2. Spatial distribution of aerosol optical depth, absorbing aerosol optical depth, and single scatter albedo from the transported aerosol and North American aerosol. The WRF-Chem simulation is averaged for 2010-2014.