Supplement of Atmos. Chem. Phys., 20, 14361–14375, 2020
https://doi.org/10.5194/acp-20-14361-2020-supplement

Atmospheric Chemistry and Physics
Open Access
EGU

Supplement of

A measurement and model study on ozone characteristics in marine air at a remote island station and its interaction with urban ozone air quality in Shanghai, China

Yixuan Gu et al.

Correspondence to: Jianming Xu (metxujm@163.com) and Fangfang He (hff@soweather.com)

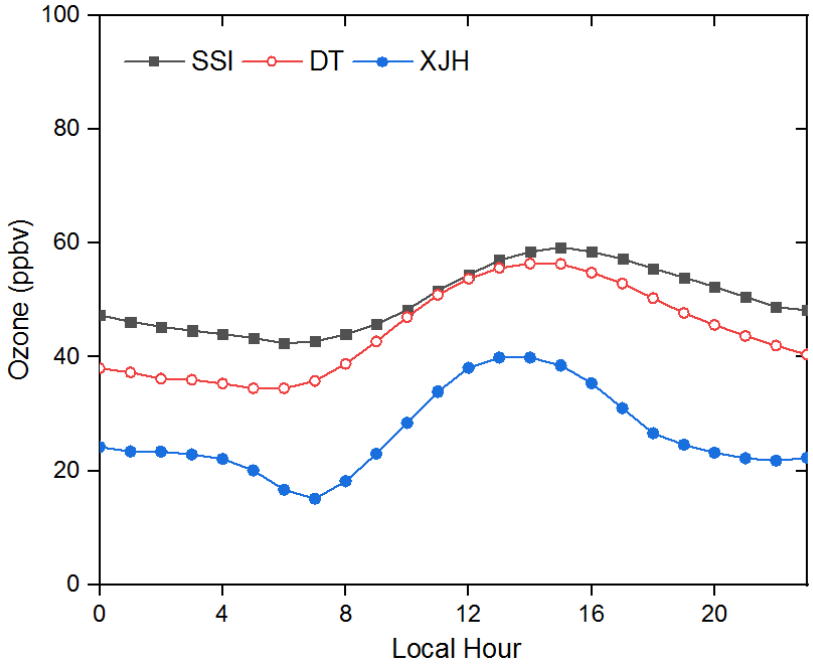

Fig. S1. Mean diurnal variations of O_3 at Sheshan Island (SSI, remote and oceanic), Dongtan (DT, rural), and Xujiahui (XJH, urban) station during the period 2012–2017.

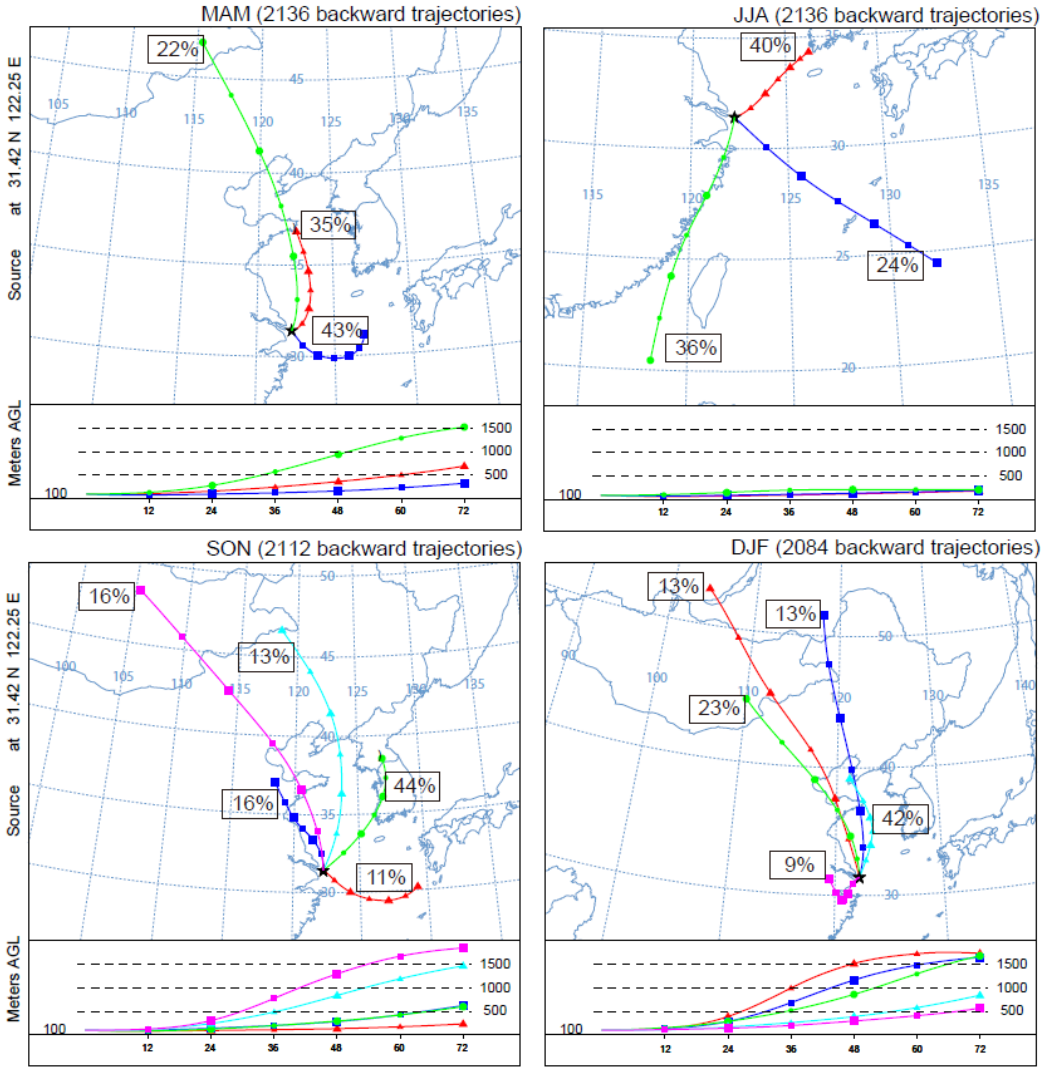

Fig. S2. Seasonal variations of the 72-h air mass backward trajectories arriving at the Sheshan Island (SSI) site using the Hybrid Single-Particle Lagrangian Integrated Trajectory (HYSPLIT) model (Version 4, Draxler and Hess, 1998) driven by NCEP/NCAR Global Reanalysis Data (2.5˚×2.5˚). Trajectory clusters for MAM (March–May, left up), JJA (June–August, right up), SON (September–November, left bottom), and DJF (December–February, right bottom) were calculated based on the trajectories of 2012–2017 with steps of 12 h. The corresponding percentage occurrence values for different groups are presented as numbers in black squares.