

***Interactive comment on* “Characterization of biogenic primary and secondary organic aerosols in the marine atmosphere over the East China Sea” by Mingjie Kang et al.**

Anonymous Referee #2

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This manuscript is one of the few studies to report polar primary and secondary organic compounds in marine aerosols. The authors took day and nighttime samples over the East China Sea for a period of about one month, and analyzed the samples for a series of biomass burning and biogenic secondary organic aerosol marker compounds. In this study, the authors highlighted that marine aerosols over the East China Sea, especially in the coastal regions were significantly affected by terrestrial emissions, and the emissions likely impact the air quality in the west pacific regions through transboundary flows of air masses. Overall the manuscript is straightforward and well written. I recommend the publication of this manuscript as is.

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2018-318>, 2018.

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