

Interactive comment on “Impacts of shipping emissions on PM_{2.5} air pollution in China” by Zhaofeng Lv et al.

Anonymous Referee #2

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This study evaluated the impacts of shipping emissions on PM_{2.5} in China, including temporal and spatial variations, influence factors, contributions et al. The conclusions here gave obvious evidence that shipping emissions had significant influence on air quality, not only in coastal areas but also in inland areas. Besides, emission control recommendations were also given in this study. This manuscript can be considered for publication in Atmospheric Chemistry and Physics after minor revision. Specific Comments: Fig 1, please unified the units, “nm” in figure 1 and “Nm” in the caption Fig 2, why SO₂ was used in Fig 2 instead of PM_{2.5}? Page 8, Line 3, the reason for the season variations in the spatial distribution of shipping emissions need to be further discussed. In my opinion, fishing ships also contributed a lot according to recent study, but most of them had no AIS data. What kind of ships were considered in this study?

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Are fishing ships included here? Page 13, line 22, delete one “in” The subtitles of 3.1, 3.2, and 3.3 need to be reconsidered, please give more distinct expression

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