

Interactive comment on “Enhancement of secondary aerosol formation by reduced anthropogenic emissions during Spring Festival 2019 and enlightenment for regional PM_{2.5} control in Beijing” by Yuying Wang et al.

Anonymous Referee #1

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This work present the results of the field measurement of air pollution during 2019 Spring Festival. Spring Festival is a special period to investigate the impact of emission reduction on air quality. The topic itself is very interesting. The authors provide very interesting data. However, there's major defect for the current manuscript. The authors compared the variation of various air pollutants, and gave the conclusion that the reduction of "Sharply reduced sulfur dioxide (SO₂) and nitrogen dioxide (NO₂) concentrations during the festival holiday resulted in an unexpected increase in the surface ozone (O₃) concentration", and further promote the secondary formation. These con-

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clusions are astonishing and new, but the authors did not provide enough convincing evidence. Besides, considering the quality of ACP, I will not recommend the publication of this manuscript.

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