

Dear Professor Benjamin A Nault:

Thank you very much for handling our manuscript submitted to *Atmospheric Chemistry and Physics* (MS No.: egosphere-2024-2141; Title: Exploring HONO production from particulate nitrate photolysis in Chinese representative regions: characteristics, influencing factors and environmental implications).

We deeply thank you and two reviewers for giving constructive comments and suggestions that are very helpful to improve our manuscript. According to your valuable suggestions, we have included a response to Reviewer #2, Comments 9, 11, and 12 into our revised manuscript to ensure readers understand the assumptions/rational used in this manuscript (Page 4, Line 77-80; Page 9, Line 194-200). We hope the revised manuscript meet the publication standards.

On behalf of all the co-authors, I would like to thank you and referees for all the invaluable comments. Please feel free to contact me if you need any further information.

Yours Sincerely,

Dr. Jiaqi Wang

Chinese Research Academy of Environmental Sciences, Beijing 100012, China

E-mail address: wang.jiaqi@craes.org.cn

Phone: 18760106801