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Response to Handling Editor

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02/12/20

15 **Response to the handling editor of:**

Low-NO Atmospheric Oxidation Pathways in a Polluted Megacity by Newland et al., 2020, submitted to ACP

General Response

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We thank the editor for giving up more of their time to make further insightful comments, helping to clarify and further improve our manuscript.

25 Responses to the editor are given below. Responses to specific points raised by the editor are given separately beneath that point. The editor's comments are bold and italic, the authors' comments are inset in plain type.

Note, we have not included a further marked up version of the manuscript since only one sentence has changed. And the methods has moved from the end of the manuscript to become Section 2.

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Editor's Comments

Received and published: 30 November 2020

35 **General Comments**

40 *Dear authors, thank you for your detailed response. I just have one more comment. On line 146-147 it is stated that "The observed temporal profiles of the isoprene tracer products suggest a chemical cycle switching from a high-NO to a low-NO chemical regime during the day in Beijing." To a casual reader this sounds like low-NO dominates. However, if I understand the manuscript correctly, and as stated in the abstract the low-NO accounts for ca. 30% which is not dominating. Would you consider rephrasing that as stating something like that there is a clear shift from high-NO chemical regime to an important contribution from low-NO or something similar that you are comfortable with.*

45 We agree with this clarification, and have changed the sentence from:

The observed temporal profiles of the isoprene tracer products suggest a chemical cycle switching from a high-NO to a low-NO chemical regime during the day in Beijing.

50 To:

The observed temporal profiles of the isoprene tracer products suggest a chemical cycle switching from a high-NO chemical regime in the morning, to a regime with a significant contribution from low-NO chemistry in the afternoon in Beijing.