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Atmospheric Chemistry and Physics Discussions

Interactive comment on "The interdecadal worsening of weather conditions affecting aerosol pollution in the Beijing area in relation to climate warming" *by* Xiaoye Zhang et al.

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Dear Anonymous Referees,

Thanks for your careful review of the manuscript. We read the comments carefully, and have responded and taken all of the comments into consideration and revised the manuscript accordingly. My detailed responses, including a point-by-point response to the review and a list of all relevant changes, are as follows:

"Anonymous Referee #2 Received and published: 17 March 2018 The understanding of climate warming's impact on air quality is an important issue in atmospheric envi-

ronment study. To explore this scientific issue, this paper investigated the relation of inter-decadal changes in climate warming and weather conditions for aerosol pollution in Beijing and the surrounding regions in North China Plain with frequent haze, presenting the interesting results, which could improve our understanding on climate and environment changes and fall within the scope of ACP. I suggest a few minor revisions before it is published as follows:"

"1) Please convert the format of manuscript according to the ACP manuscript introduction."

Response: We have converted the format of this manuscript according to the ACP's standard format.

"2) Please add the levels of significant test for the correlation coefficient and change trend analyses in the discussions."

Response: Yes. We added some significant level description in the text.

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