

Comments to the Author:

The manuscript is much improved in the revision in responding to the reviewer's comment.

Please refer the following paper in your manuscript (in Page 5, Lines 67-72) related to the WRF-Chem simulation for the meteorology effects relative to chemistry effects determine the air quality in China, as it is one of the applications of WRF-Chem.

Gao, Y., X. Liu, C. Zhao, and M. Zhang (2011), Emission controls versus meteorological conditions in determining aerosol concentrations in Beijing during the 2008 Olympic Games, *Atmospheric Chemistry and Physics*, 11, 12437-12451.

please don't use "x" instead of the symbol of multiplication in the case of resolution, e.g., 1.1 km x 1.1 km.

Dear Editor,

Thank you for accepting this manuscript for publication at ACP. Gao et al. (2011) is cited in the updated manuscript. The symbol of multiplication is used to replace the "x" in the case of resolution.

Sincerely,

Longtao Wu