Accepted Manuscript

Diurnal variations of fossil and nonfossil carbonaceous aerosols in Beijing

Y. Morino, T. Ohara, J. Xu, S. Hasegawa, B. Zhao, A. Fushimi, K. Tanabe, M. Kondo, M. Uchida, K. Yamaji, L. Yang, S. Song, W. Dong, Y. Wu, S. Wang, J. Hao

PII: \$1352-2310(15)30397-6

DOI: 10.1016/j.atmosenv.2015.09.055

Reference: AEA 14136

To appear in: Atmospheric Environment

Received Date: 13 January 2015

Revised Date: 21 September 2015

Accepted Date: 22 September 2015

Please cite this article as: Morino, Y., Ohara, T., Xu, J., Hasegawa, S., Zhao, B., Fushimi, A., Tanabe, K., Kondo, M., Uchida, M., Yamaji, K., Yang, L., Song, S., Dong, W., Wu, Y., Wang, S., Hao, J., Diurnal variations of fossil and nonfossil carbonaceous aerosols in Beijing, *Atmospheric Environment* (2015), doi: 10.1016/j.atmosenv.2015.09.055.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

1 Diurnal variations of fossil and nonfossil carbonaceous aerosols in Beijing

2

- 3 Y. Morino ^{a, *}, T. Ohara ^a, J. Xu ^{b, c}, S. Hasegawa ^d, B. Zhao ^{b, c}, A. Fushimi ^e, K. Tanabe
- ^e, M. Kondo ^e, M. Uchida ^e, K. Yamaji ^f, L. Yang ^{b, c}, S. Song ^{b, c, g}, W. Dong ^{b, c}, Y. Wu ^{b, c}
- 5 S. Wang b, c, J. Hao b, c
- ^a Center for Regional Environmental Research, National Institute for Environmental
- 7 Studies, Japan
- 8 b School of Environment, Tsinghua University, China
- 9 ^c State Environmental Protection Key Laboratory of Sources and Control of Air
- 10 Pollution Complex, China
- d Atmospheric Environment Group, Center for Environmental Science in Saitama, Japan
- 12 ^e Center for Environmental Measurement and Analysis, National Institute for
- 13 Environmental Studies, Japan
- 14 ^f Graduate School of Maritime Sciences, Kobe University, Japan
- 15 g Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of
- 16 Technology, USA

17

To be submitted to *Atmospheric Environment*; last revised on 21 September 2015

19

- ^{*}Corresponding author. Telephone: +81-29-850-2544; fax: +81-29-850-2480; e-mail:
- 21 morino.yu@nies.go.jp

22

- 23 **Keywords**: carbonaceous aerosol, radiocarbon, source apportionment, chemical
- transport model, volatility basis set

Download English Version:

https://daneshyari.com/en/article/6337010

Download Persian Version:

https://daneshyari.com/article/6337010

<u>Daneshyari.com</u>