Supplement of

Molecular distributions and stable carbon isotope compositions of oxalic acid and related SOA in Beijing before, during and after the 2014 APEC

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Figures captures

Figure S1: 72-h backward trajectories on the 8th to 14th, Oct. 2014.

Figure S2: 72-h backward trajectories on the 15th to 21st, Oct. 2014.

Figure S3: 72-h backward trajectories on the 22nd to 28th, Oct. 2014.

Figure S4: 72-h backward trajectories on the 25th, Oct. 2014.

Figure S5: 72-h backward trajectories on the 29th to 31st, Oct. 2014.

Figure S6: 72-h backward trajectories on the 1st to 7th, Nov. 2014.

Figure S7: 72-h backward trajectories on the 8th to 14th, Nov. 2014.

Figure S8: 72-h backward trajectories on the 15th to 21st, Nov. 2014.

Figure S9: 72-h backward trajectories on the 22nd to 25th, Nov. 2014.

Source ★ at 40.03 N 116.40 E

Meters AGL

5000
4000
3000
2000
1000
500

10/13 10/12 10/11 10/10 10/09 10/08 10/07 10/06 10/05

Job ID: 11238 Job Start: Mon Jul 18 03:09:45 UTC 2016
Source 1 lat.: 40.033333 lon.: 116.400000 height: 500 m AGL

Trajectory Direction: Backward Duration: 72 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Meteorology: 0000Z 8 Oct 2014 - GDAS1

Figure S1: 72-h backward trajectories on the 8th to 14th, Oct. 2014.

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 21 Oct 14
GDAS Meteorological Data

Figure S2: 72-h backward trajectories on the 15th to 21st, Oct. 2014.

Source ★ at 40.03 N 116.40 E

Meters AGL

Job ID: 11790 Job Start: Mon Jul 18 03:14:47 UTC 2016
 Source 1 lat.: 40.03333 lon.: 116.40000 height: 500 m AGL

Trajectory Direction: Backward Duration: 72 hrs
 Vertical Motion Calculation Method: Model Vertical Velocity
 Meteorology: 0000Z 22 Oct 2014 - GDAS1

Figure S3: 72-h backward trajectories on the 22nd to 28th, Oct. 2014.

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 26 Oct 14
GDAS Meteorological Data

Figure S4: 72-h backward trajectories on the 25th, Oct. 2014.

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 31 Oct 14
GDAS Meteorological Data

Figure S5: 72-h backward trajectories on the 29th to 31st, Oct. 2014.

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 07 Nov 14
GDAS Meteorological Data

Figure S6: 72-h backward trajectories on the 1st to 7th, Nov. 2014.

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 14 Nov 14
GDAS Meteorological Data

Figure S7: 72-h backward trajectories on the 8th to 14th, Nov. 2014.

Source ★ at 40.03 N 116.40 E

Meters AGL

Job ID: 13497 Job Start: Mon Jul 18 05:30:51 UTC 2016
 Source 1 lat.: 40.033333 lon.: 116.400000 height: 500 m AGL

Trajectory Direction: Backward Duration: 72 hrs
 Vertical Motion Calculation Method: Model Vertical Velocity
 Meteorology: 0000Z 15 Nov 2014 - GDAS1

Figure S8: 72-h backward trajectories on the 15th to 21st, Nov. 2014.

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 25 Nov 14
GDAS Meteorological Data

Figure S9: 72-h backward trajectories on the 22nd to 25th, Nov. 2014.