Table 1: Summary of VARX model results for NO

	Estimate	Std. Error	t value	Pr(>|t|)
NO.lag 1	0.887	0.004	233.042	0
SO2.lag 1	−0.448	0.065	−6.943	0
CO.lag 1	0.017	0.0004	43.472	0
PM10B.lag 1	−0.035	0.006	−5.831	0
PM25B.lag 1	−0.004	0.004	−0.980	0.327
OZONE.lag 1	16.210	6.475	2.503	0.012
NO.lag 2	−0.098	0.005	−19.394	0
SO2.lag 2	0.179	0.084	2.124	0.034
CO.lag 2	−0.016	0.0005	−34.213	0
PM10B.lag 2	0.012	0.007	1.775	0.076
PM25B.lag 2	0.003	0.004	0.753	0.452
OZONE.lag 2	−16.503	8.757	−1.884	0.060
NO.lag 3	0.024	0.005	4.683	0.00000
SO2.lag 3	0.317	0.085	3.745	0.0002
CO.lag 3	0.002	0.0004	4.301	0.00002
PM10B.lag 3	0.028	0.007	4.053	0.0001
PM25B.lag 3	−0.001	0.004	−0.155	0.877
OZONE.lag 3	−3.761	8.778	−0.428	0.668
NO.lag 4	−0.048	0.005	−9.513	0
SO2.lag 4	−0.174	0.084	−2.057	0.040
CO.lag 4	0.002	0.0004	6.382	0
PM10B.lag 4	−0.002	0.007	−0.317	0.752
PM25B.lag 4	0.001	0.004	0.272	0.786
OZONE.lag 4	4.830	8.763	0.551	0.581
NO.lag 5	0.031	0.005	6.218	0
SO2.lag 5	−0.128	0.084	−1.523	0.128
CO.lag 5	0.001	0.0004	1.425	0.154
PM10B.lag 5	0.005	0.007	0.660	0.509
PM25B.lag 5	−0.006	0.004	−1.316	0.188
OZONE.lag 5	2.778	8.760	0.317	0.751
NO.lag 6	−0.016	0.005	−3.150	0.002
SO2.lag 6	0.139	0.084	1.644	0.100
CO.lag 6	−0.002	0.0004	−4.985	0.00000
PM10B.lag 6	−0.001	0.007	−0.123	0.902
PM25B.lag 6	0.007	0.004	1.752	0.080
OZONE.lag 6	−10.554	8.758	−1.205	0.228
NO.lag 7	−0.034	0.005	−6.659	0
SO2.lag 7	−0.020	0.084	−0.240	0.810
CO.lag 7	−0.0004	0.0004	−1.167	0.243
PM10B.lag 7	0.011	0.007	1.552	0.121
PM25B.lag 7	0.002	0.004	0.460	0.646

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Table 1 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
OZONE.lag 7	−6.969	8.757	−0.796	0.426
NO.lag 8	0.010	0.005	2.067	0.039
SO2.lag 8	0.046	0.084	0.546	0.585
CO.lag 8	0.001	0.0004	3.658	0.0003
PM10B.lag 8	0.014	0.007	2.024	0.043
PM25B.lag 8	−0.001	0.004	−0.192	0.848
OZONE.lag 8	2.456	8.756	0.280	0.779
NO.lag 9	−0.001	0.005	−0.266	0.790
SO2.lag 9	−0.072	0.084	−0.848	0.396
CO.lag 9	0.001	0.0004	2.864	0.004
PM10B.lag 9	−0.017	0.007	−2.471	0.013
PM25B.lag 9	−0.003	0.004	−0.770	0.441
OZONE.lag 9	−4.362	8.757	−0.498	0.618
NO.lag 10	0.011	0.005	2.240	0.025
SO2.lag 10	0.107	0.084	1.270	0.204
CO.lag 10	−0.0003	0.0004	−0.654	0.513
PM10B.lag 10	0.007	0.007	0.930	0.353
PM25B.lag 10	−0.0003	0.004	−0.075	0.940
OZONE.lag 10	−5.006	8.756	−0.572	0.568
NO.lag 11	0.008	0.005	1.655	0.098
SO2.lag 11	−0.036	0.084	−0.428	0.668
CO.lag 11	0.001	0.0004	2.610	0.009
PM10B.lag 11	−0.002	0.007	−0.253	0.801
PM25B.lag 11	0.0002	0.004	0.047	0.963
OZONE.lag 11	5.628	8.757	0.643	0.520
NO.lag 12	0.006	0.005	1.152	0.249
SO2.lag 12	−0.039	0.084	−0.462	0.644
CO.lag 12	−0.0004	0.0004	−1.016	0.310
PM10B.lag 12	−0.016	0.007	−2.221	0.026
PM25B.lag 12	0.004	0.004	0.873	0.383
OZONE.lag 12	13.532	8.756	1.546	0.122
NO.lag 13	−0.001	0.005	−0.118	0.906
SO2.lag 13	0.043	0.084	0.511	0.609
CO.lag 13	0.001	0.0004	2.141	0.032
PM10B.lag 13	0.008	0.007	1.162	0.245
PM25B.lag 13	−0.004	0.004	−1.012	0.312
OZONE.lag 13	−1.314	8.757	−0.150	0.881
NO.lag 14	−0.008	0.005	−1.562	0.118
SO2.lag 14	−0.074	0.084	−0.872	0.383
CO.lag 14	−0.0005	0.0004	−1.191	0.234
PM10B.lag 14	0.001	0.007	0.084	0.933
PM25B.lag 14	0.002	0.004	0.355	0.722

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Table 1 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
OZONE.lag 14	−6.514	8.757	−0.744	0.457
NO.lag 15	−0.021	0.005	−4.087	0.00004
SO2.lag 15	0.036	0.084	0.429	0.668
CO.lag 15	0.0004	0.0004	1.154	0.248
PM10B.lag 15	0.014	0.007	2.006	0.045
PM25B.lag 15	−0.001	0.004	−0.320	0.749
OZONE.lag 15	5.968	8.758	0.682	0.496
NO.lag 16	−0.003	0.005	−0.687	0.492
SO2.lag 16	0.058	0.084	0.691	0.489
CO.lag 16	0.0001	0.0004	0.169	0.866
PM10B.lag 16	−0.013	0.007	−1.847	0.065
PM25B.lag 16	0.003	0.004	0.725	0.469
OZONE.lag 16	11.902	8.758	1.359	0.174
NO.lag 17	−0.003	0.005	−0.617	0.537
SO2.lag 17	0.031	0.084	0.372	0.710
CO.lag 17	0.0004	0.0004	0.929	0.353
PM10B.lag 17	−0.008	0.007	−1.125	0.260
PM25B.lag 17	−0.002	0.004	−0.500	0.617
OZONE.lag 17	−5.309	8.758	−0.606	0.544
NO.lag 18	0.009	0.005	1.700	0.089
SO2.lag 18	−0.087	0.084	−1.026	0.305
CO.lag 18	−0.001	0.0004	−1.330	0.183
PM10B.lag 18	0.001	0.007	0.185	0.853
PM25B.lag 18	−0.001	0.004	−0.321	0.748
OZONE.lag 18	−22.294	8.759	−2.545	0.011
NO.lag 19	0.015	0.005	2.954	0.003
SO2.lag 19	−0.013	0.084	−0.153	0.879
CO.lag 19	−0.001	0.0004	−1.317	0.188
PM10B.lag 19	0.003	0.007	0.479	0.632
PM25B.lag 19	−0.005	0.004	−1.096	0.273
OZONE.lag 19	13.851	8.759	1.581	0.114
NO.lag 20	0.036	0.005	7.099	0
SO2.lag 20	−0.018	0.084	−0.211	0.833
CO.lag 20	−0.002	0.0004	−4.092	0.00004
PM10B.lag 20	−0.005	0.007	−0.675	0.500
PM25B.lag 20	0.005	0.004	1.243	0.214
OZONE.lag 20	4.680	8.759	0.534	0.593
NO.lag 21	0.029	0.005	5.693	0
SO2.lag 21	0.170	0.084	2.016	0.044
CO.lag 21	−0.003	0.0004	−7.095	0
PM10B.lag 21	0.012	0.007	1.732	0.083
PM25B.lag 21	0.002	0.004	0.444	0.657

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Table 1 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
OZONE.lag 21	−1.083	8.760	−0.124	0.902
NO.lag 22	0.089	0.005	17.622	0
SO2.lag 22	−0.073	0.084	−0.866	0.386
CO.lag 22	−0.002	0.0004	−4.849	0.00000
PM10B.lag 22	−0.009	0.007	−1.355	0.176
PM25B.lag 22	−0.001	0.004	−0.270	0.787
OZONE.lag 22	−1.142	8.761	−0.130	0.896
NO.lag 23	0.017	0.005	3.365	0.001
SO2.lag 23	−0.020	0.085	−0.237	0.813
CO.lag 23	−0.002	0.0004	−5.408	0.00000
PM10B.lag 23	−0.014	0.007	−1.947	0.052
PM25B.lag 23	0.001	0.004	0.234	0.815
OZONE.lag 23	5.611	8.762	0.640	0.522
NO.lag 24	0.107	0.005	21.204	0
SO2.lag 24	−0.330	0.085	−3.891	0.0001
CO.lag 24	−0.0003	0.0004	−0.774	0.439
PM10B.lag 24	0.0001	0.007	0.016	0.987
PM25B.lag 24	−0.004	0.004	−0.823	0.410
OZONE.lag 24	−2.596	8.763	−0.296	0.767
NO.lag 25	−0.048	0.005	−9.519	0
SO2.lag 25	0.347	0.085	4.103	0.00004
CO.lag 25	−0.003	0.0004	−6.643	0
PM10B.lag 25	0.004	0.007	0.502	0.616
PM25B.lag 25	0.002	0.004	0.486	0.627
OZONE.lag 25	9.822	8.774	1.119	0.263
NO.lag 26	0.010	0.005	1.983	0.047
SO2.lag 26	−0.325	0.084	−3.869	0.0001
CO.lag 26	0.003	0.0005	7.559	0
PM10B.lag 26	−0.005	0.007	−0.781	0.435
PM25B.lag 26	−0.001	0.004	−0.182	0.856
OZONE.lag 26	6.355	8.752	0.726	0.468
NO.lag 27	−0.043	0.004	−11.356	0
SO2.lag 27	0.240	0.064	3.759	0.0002
CO.lag 27	−0.001	0.0004	−1.809	0.070
PM10B.lag 27	0.012	0.006	2.028	0.043
PM25B.lag 27	0.001	0.004	0.307	0.759
OZONE.lag 27	6.424	6.157	1.043	0.297
trend	−0.00000	0.00000	−2.115	0.034
BP	−0.0003	0.0004	−0.705	0.481
INT_T	0.027	0.015	1.827	0.068
OUT_RH	0.016	0.002	7.988	0
OUT_T	−0.038	0.003	−11.491	0

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	Estimate	Std. Error	t value	Pr(>|t|)
Peak.Wind.Gust	−0.013	0.008	−1.602	0.109
RAINFALL	−4.476	1.058	−4.232	0.00002
SONICWD	−0.001	0.0003	−2.544	0.011
SONICWS	−0.100	0.022	−4.479	0.00001
inversion	0.108	0.074	1.453	0.146

Table 2: Summary of VARX model results for SO2

	Estimate	Std. Error	t value	Pr(>|t|)
NO.lag 1	0.003	0.0002	11.585	0
SO2.lag 1	0.840	0.004	222.294	0
CO.lag 1	0.0004	0.00002	17.140	0
PM10B.lag 1	0.002	0.0004	6.682	0
PM25B.lag 1	0.0001	0.0002	0.316	0.752
OZONE.lag 1	1.413	0.379	3.727	0.0002
NO.lag 2	−0.003	0.0003	−10.933	0
SO2.lag 2	−0.153	0.005	−30.992	0
CO.lag 2	0.0002	0.00003	6.341	0
PM10B.lag 2	−0.001	0.0004	−3.040	0.002
PM25B.lag 2	−0.0001	0.0002	−0.590	0.555
OZONE.lag 2	−1.065	0.513	−2.077	0.038
NO.lag 3	0.002	0.0003	6.663	0
SO2.lag 3	0.080	0.005	16.226	0
CO.lag 3	−0.001	0.00003	−21.484	0
PM10B.lag 3	0.0004	0.0004	1.049	0.294
PM25B.lag 3	−0.0001	0.0002	−0.358	0.720
OZONE.lag 3	−2.874	0.514	−5.593	0.00000
NO.lag 4	−0.001	0.0003	−2.016	0.044
SO2.lag 4	−0.026	0.005	−5.279	0.00000
CO.lag 4	0.0003	0.00002	12.118	0
PM10B.lag 4	−0.001	0.0004	−1.396	0.163
PM25B.lag 4	0.0001	0.0003	0.565	0.572
OZONE.lag 4	1.331	0.513	2.594	0.009
NO.lag 5	0.0001	0.0003	0.191	0.849
SO2.lag 5	0.014	0.005	2.791	0.005
CO.lag 5	−0.0001	0.00002	−3.878	0.0001
PM10B.lag 5	−0.0005	0.0004	−1.145	0.252
PM25B.lag 5	−0.0002	0.0003	−0.896	0.370
OZONE.lag 5	−1.130	0.513	−2.203	0.028
NO.lag 6	−0.0002	0.0003	−0.753	0.452

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	Estimate	Std. Error	t value	Pr(>|t|)
SO2.lag 6	0.012	0.005	2.390	0.017
CO.lag 6	0.0001	0.00002	2.469	0.014
PM10B.lag 6	−0.0002	0.0004	−0.558	0.577
PM25B.lag 6	0.0001	0.0003	0.365	0.715
OZONE.lag 6	0.439	0.513	0.857	0.392
NO.lag 7	0.0001	0.0003	0.487	0.626
SO2.lag 7	0.004	0.005	0.910	0.363
CO.lag 7	−0.00005	0.00002	−2.122	0.034
PM10B.lag 7	−0.0003	0.0004	−0.812	0.417
PM25B.lag 7	0.0001	0.0003	0.587	0.558
OZONE.lag 7	−0.181	0.513	−0.352	0.725
NO.lag 8	0.001	0.0003	2.126	0.034
SO2.lag 8	0.002	0.005	0.496	0.620
CO.lag 8	−0.00002	0.00002	−0.850	0.395
PM10B.lag 8	0.0003	0.0004	0.656	0.512
PM25B.lag 8	0.0001	0.0003	0.379	0.705
OZONE.lag 8	−0.785	0.513	−1.531	0.126
NO.lag 9	−0.001	0.0003	−1.882	0.060
SO2.lag 9	−0.002	0.005	−0.476	0.634
CO.lag 9	−0.00004	0.00002	−1.974	0.048
PM10B.lag 9	0.001	0.0004	1.304	0.192
PM25B.lag 9	0.0002	0.0003	0.612	0.541
OZONE.lag 9	0.551	0.513	1.075	0.282
NO.lag 10	0.001	0.0003	2.110	0.035
SO2.lag 10	0.006	0.005	1.150	0.250
CO.lag 10	0.00002	0.00002	0.705	0.481
PM10B.lag 10	−0.001	0.0004	−1.946	0.052
PM25B.lag 10	0.0001	0.0003	0.203	0.839
OZONE.lag 10	−0.598	0.513	−1.167	0.243
NO.lag 11	−0.001	0.0003	−1.864	0.062
SO2.lag 11	0.004	0.005	0.716	0.474
CO.lag 11	0.0001	0.00002	3.190	0.001
PM10B.lag 11	0.0005	0.0004	1.203	0.229
PM25B.lag 11	−0.0002	0.0003	−0.775	0.439
OZONE.lag 11	−0.196	0.513	−0.382	0.702
NO.lag 12	0.00000	0.0003	0.009	0.993
SO2.lag 12	0.002	0.005	0.478	0.633
CO.lag 12	0.00002	0.00002	0.722	0.471
PM10B.lag 12	−0.0002	0.0004	−0.446	0.655
PM25B.lag 12	0.0001	0.0003	0.424	0.671
OZONE.lag 12	−0.239	0.513	−0.467	0.640
NO.lag 13	−0.0002	0.0003	−0.805	0.421

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	Estimate	Std. Error	t value	Pr(>|t|)
SO2.lag 13	0.009	0.005	1.888	0.059
CO.lag 13	0.00001	0.00002	0.487	0.626
PM10B.lag 13	−0.001	0.0004	−1.298	0.194
PM25B.lag 13	0.0002	0.0003	0.670	0.503
OZONE.lag 13	0.741	0.513	1.445	0.149
NO.lag 14	0.0001	0.0003	0.499	0.618
SO2.lag 14	−0.00000	0.005	−0.0004	1.000
CO.lag 14	0.00004	0.00002	1.597	0.110
PM10B.lag 14	0.0001	0.0004	0.240	0.810
PM25B.lag 14	−0.0003	0.0003	−1.091	0.275
OZONE.lag 14	−0.482	0.513	−0.941	0.347
NO.lag 15	0.0001	0.0003	0.456	0.648
SO2.lag 15	−0.006	0.005	−1.185	0.236
CO.lag 15	−0.00001	0.00002	−0.307	0.758
PM10B.lag 15	0.0004	0.0004	0.961	0.336
PM25B.lag 15	0.0003	0.0003	1.008	0.314
OZONE.lag 15	0.258	0.513	0.503	0.615
NO.lag 16	−0.00001	0.0003	−0.019	0.985
SO2.lag 16	0.005	0.005	1.013	0.311
CO.lag 16	−0.0001	0.00002	−2.679	0.007
PM10B.lag 16	0.0002	0.0004	0.546	0.585
PM25B.lag 16	−0.0002	0.0003	−0.622	0.534
OZONE.lag 16	0.356	0.513	0.695	0.487
NO.lag 17	−0.0002	0.0003	−0.697	0.486
SO2.lag 17	0.003	0.005	0.640	0.522
CO.lag 17	0.00002	0.00002	0.880	0.379
PM10B.lag 17	−0.0001	0.0004	−0.295	0.768
PM25B.lag 17	0.00000	0.0003	0.014	0.989
OZONE.lag 17	0.100	0.513	0.196	0.845
NO.lag 18	0.0002	0.0003	0.695	0.487
SO2.lag 18	0.012	0.005	2.529	0.011
CO.lag 18	0.00001	0.00002	0.425	0.671
PM10B.lag 18	0.0003	0.0004	0.637	0.524
PM25B.lag 18	−0.0002	0.0003	−0.765	0.444
OZONE.lag 18	−0.134	0.513	−0.262	0.793
NO.lag 19	−0.00002	0.0003	−0.085	0.932
SO2.lag 19	−0.001	0.005	−0.219	0.827
CO.lag 19	−0.0001	0.00002	−2.403	0.016
PM10B.lag 19	−0.0003	0.0004	−0.634	0.526
PM25B.lag 19	0.0001	0.0003	0.573	0.567
OZONE.lag 19	0.355	0.513	0.692	0.489
NO.lag 20	−0.00004	0.0003	−0.133	0.894

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	Estimate	Std. Error	t value	Pr(>|t|)
SO2.lag 20	−0.003	0.005	−0.560	0.575
CO.lag 20	0.00003	0.00002	1.555	0.120
PM10B.lag 20	−0.0002	0.0004	−0.531	0.595
PM25B.lag 20	0.00002	0.0003	0.087	0.931
OZONE.lag 20	0.660	0.513	1.287	0.198
NO.lag 21	0.0002	0.0003	0.564	0.573
SO2.lag 21	0.005	0.005	0.981	0.327
CO.lag 21	−0.00002	0.00002	−0.708	0.479
PM10B.lag 21	−0.0003	0.0004	−0.822	0.411
PM25B.lag 21	−0.0001	0.0003	−0.476	0.634
OZONE.lag 21	0.103	0.513	0.200	0.841
NO.lag 22	−0.001	0.0003	−1.929	0.054
SO2.lag 22	0.028	0.005	5.700	0
CO.lag 22	0.00002	0.00002	0.697	0.486
PM10B.lag 22	0.0004	0.0004	1.069	0.285
PM25B.lag 22	0.00004	0.0003	0.178	0.859
OZONE.lag 22	1.099	0.513	2.144	0.032
NO.lag 23	0.001	0.0003	3.183	0.001
SO2.lag 23	−0.035	0.005	−7.099	0
CO.lag 23	−0.00003	0.00002	−1.319	0.187
PM10B.lag 23	−0.0004	0.0004	−0.987	0.323
PM25B.lag 23	0.0002	0.0003	0.675	0.500
OZONE.lag 23	−0.780	0.513	−1.521	0.128
NO.lag 24	−0.002	0.0003	−7.006	0
SO2.lag 24	0.093	0.005	18.650	0
CO.lag 24	0.0001	0.00002	2.382	0.017
PM10B.lag 24	0.001	0.0004	1.328	0.184
PM25B.lag 24	−0.0004	0.0003	−1.732	0.083
OZONE.lag 24	0.565	0.513	1.101	0.271
NO.lag 25	0.002	0.0003	5.781	0
SO2.lag 25	−0.080	0.005	−16.183	0
CO.lag 25	−0.0002	0.00003	−6.793	0
PM10B.lag 25	0.001	0.0004	1.527	0.127
PM25B.lag 25	−0.00002	0.0002	−0.089	0.929
OZONE.lag 25	−1.455	0.514	−2.833	0.005
NO.lag 26	−0.002	0.0003	−5.276	0.00000
SO2.lag 26	0.032	0.005	6.510	0
CO.lag 26	0.0005	0.00003	17.610	0
PM10B.lag 26	−0.001	0.0004	−2.413	0.016
PM25B.lag 26	0.00003	0.0002	0.137	0.891
OZONE.lag 26	1.211	0.512	2.364	0.018
NO.lag 27	0.001	0.0002	2.712	0.007

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Table 2 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
SO2.lag 27	−0.003	0.004	−0.777	0.437
CO.lag 27	−0.0003	0.00002	−14.327	0
PM10B.lag 27	−0.00005	0.0004	−0.128	0.898
PM25B.lag 27	0.0002	0.0002	0.932	0.351
OZONE.lag 27	−0.730	0.360	−2.027	0.043
trend	0.00000	0.00000	3.863	0.0001
BP	0.0001	0.00002	5.354	0.00000
INT_T	0.009	0.001	10.618	0
OUT_RH	−0.003	0.0001	−23.240	0
OUT_T	−0.0001	0.0002	−0.328	0.743
Peak.Wind.Gust	−0.0002	0.0005	−0.388	0.698
RAINFALL	−0.235	0.062	−3.800	0.0001
SONICWD	−0.0001	0.00002	−5.173	0.00000
SONICWS	−0.004	0.001	−3.335	0.001
inversion	−0.004	0.004	−0.911	0.363

Table 3: Summary of VARX model results for CO

	Estimate	Std. Error	t value	Pr(>|t|)
NO.lag 1	1.209	0.039	30.671	0
SO2.lag 1	−5.289	0.669	−7.907	0
CO.lag 1	0.662	0.004	166.458	0
PM10B.lag 1	0.343	0.063	5.446	0.00000
PM25B.lag 1	0.079	0.037	2.132	0.033
OZONE.lag 1	−1,841.331	67.100	−27.442	0
NO.lag 2	−0.762	0.052	−14.576	0
SO2.lag 2	1.115	0.873	1.277	0.202
CO.lag 2	0.011	0.005	2.273	0.023
PM10B.lag 2	−0.263	0.072	−3.632	0.0003
PM25B.lag 2	−0.071	0.043	−1.639	0.101
OZONE.lag 2	1,145.463	90.749	12.622	0
NO.lag 3	−0.083	0.052	−1.580	0.114
SO2.lag 3	0.586	0.877	0.669	0.504
CO.lag 3	0.041	0.005	8.999	0
PM10B.lag 3	−0.021	0.073	−0.296	0.768
PM25B.lag 3	−0.024	0.044	−0.537	0.591
OZONE.lag 3	546.194	90.964	6.005	0
NO.lag 4	−0.120	0.052	−2.299	0.022
SO2.lag 4	−0.817	0.875	−0.933	0.351
CO.lag 4	0.030	0.004	7.320	0

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Table 3 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
PM10B.lag 4	−0.003	0.073	−0.036	0.971
PM25B.lag 4	0.021	0.044	0.482	0.630
OZONE.lag 4	282.436	90.811	3.110	0.002
NO.lag 5	0.081	0.052	1.549	0.121
SO2.lag 5	0.544	0.874	0.623	0.534
CO.lag 5	0.006	0.004	1.596	0.110
PM10B.lag 5	0.196	0.073	2.699	0.007
PM25B.lag 5	−0.021	0.044	−0.465	0.642
OZONE.lag 5	−18.583	90.777	−0.205	0.838
NO.lag 6	−0.018	0.052	−0.351	0.725
SO2.lag 6	1.000	0.874	1.143	0.253
CO.lag 6	−0.012	0.004	−3.019	0.003
PM10B.lag 6	0.229	0.073	3.159	0.002
PM25B.lag 6	0.020	0.044	0.445	0.657
OZONE.lag 6	−306.628	90.757	−3.379	0.001
NO.lag 7	−0.057	0.052	−1.096	0.273
SO2.lag 7	0.145	0.875	0.166	0.868
CO.lag 7	−0.003	0.004	−0.855	0.393
PM10B.lag 7	0.143	0.073	1.966	0.049
PM25B.lag 7	0.034	0.044	0.776	0.438
OZONE.lag 7	−64.551	90.751	−0.711	0.477
NO.lag 8	0.058	0.052	1.121	0.262
SO2.lag 8	−0.988	0.875	−1.130	0.258
CO.lag 8	0.014	0.004	3.423	0.001
PM10B.lag 8	0.072	0.073	0.995	0.320
PM25B.lag 8	−0.014	0.044	−0.324	0.746
OZONE.lag 8	−37.250	90.739	−0.411	0.681
NO.lag 9	−0.068	0.052	−1.296	0.195
SO2.lag 9	1.119	0.875	1.279	0.201
CO.lag 9	0.012	0.004	2.918	0.004
PM10B.lag 9	−0.063	0.073	−0.870	0.384
PM25B.lag 9	0.006	0.044	0.129	0.897
OZONE.lag 9	−28.653	90.743	−0.316	0.752
NO.lag 10	0.093	0.052	1.793	0.073
SO2.lag 10	0.921	0.875	1.054	0.292
CO.lag 10	0.022	0.004	5.523	0.00000
PM10B.lag 10	−0.118	0.073	−1.628	0.103
PM25B.lag 10	−0.036	0.044	−0.801	0.423
OZONE.lag 10	169.482	90.741	1.868	0.062
NO.lag 11	−0.032	0.052	−0.613	0.540
SO2.lag 11	0.994	0.875	1.136	0.256
CO.lag 11	0.021	0.004	5.360	0.00000

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Table 3 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
PM10B.lag 11	−0.096	0.073	−1.324	0.186
PM25B.lag 11	0.071	0.044	1.603	0.109
OZONE.lag 11	−46.418	90.744	−0.512	0.609
NO.lag 12	−0.045	0.052	−0.860	0.390
SO2.lag 12	−0.301	0.875	−0.344	0.731
CO.lag 12	0.006	0.004	1.446	0.148
PM10B.lag 12	−0.114	0.073	−1.567	0.117
PM25B.lag 12	−0.071	0.044	−1.611	0.107
OZONE.lag 12	−138.506	90.736	−1.526	0.127
NO.lag 13	0.078	0.052	1.487	0.137
SO2.lag 13	−1.279	0.875	−1.463	0.143
CO.lag 13	0.008	0.004	2.085	0.037
PM10B.lag 13	−0.085	0.073	−1.165	0.244
PM25B.lag 13	−0.007	0.044	−0.152	0.879
OZONE.lag 13	76.277	90.750	0.841	0.401
NO.lag 14	−0.006	0.052	−0.112	0.911
SO2.lag 14	0.071	0.875	0.081	0.935
CO.lag 14	0.005	0.004	1.269	0.204
PM10B.lag 14	0.012	0.073	0.170	0.865
PM25B.lag 14	−0.008	0.044	−0.170	0.865
OZONE.lag 14	−166.892	90.749	−1.839	0.066
NO.lag 15	0.045	0.052	0.857	0.391
SO2.lag 15	0.214	0.875	0.244	0.807
CO.lag 15	0.004	0.004	1.025	0.305
PM10B.lag 15	−0.050	0.073	−0.691	0.490
PM25B.lag 15	−0.020	0.044	−0.453	0.650
OZONE.lag 15	185.512	90.756	2.044	0.041
NO.lag 16	−0.227	0.052	−4.355	0.00001
SO2.lag 16	−0.210	0.875	−0.240	0.810
CO.lag 16	−0.016	0.004	−4.131	0.00004
PM10B.lag 16	−0.195	0.073	−2.681	0.007
PM25B.lag 16	0.030	0.044	0.688	0.492
OZONE.lag 16	−116.736	90.754	−1.286	0.198
NO.lag 17	−0.015	0.052	−0.292	0.770
SO2.lag 17	2.656	0.875	3.037	0.002
CO.lag 17	−0.004	0.004	−0.902	0.367
PM10B.lag 17	0.016	0.073	0.223	0.824
PM25B.lag 17	0.029	0.044	0.658	0.510
OZONE.lag 17	363.756	90.754	4.008	0.0001
NO.lag 18	0.150	0.052	2.874	0.004
SO2.lag 18	0.124	0.875	0.141	0.888
CO.lag 18	0.0001	0.004	0.021	0.983

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Table 3 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
PM10B.lag 18	0.085	0.073	1.165	0.244
PM25B.lag 18	−0.030	0.044	−0.674	0.501
OZONE.lag 18	59.672	90.763	0.657	0.511
NO.lag 19	0.148	0.052	2.834	0.005
SO2.lag 19	−1.637	0.875	−1.872	0.061
CO.lag 19	−0.002	0.004	−0.605	0.545
PM10B.lag 19	0.187	0.073	2.580	0.010
PM25B.lag 19	−0.050	0.044	−1.124	0.261
OZONE.lag 19	58.193	90.770	0.641	0.521
NO.lag 20	−0.011	0.052	−0.206	0.837
SO2.lag 20	2.370	0.875	2.710	0.007
CO.lag 20	0.006	0.004	1.454	0.146
PM10B.lag 20	0.136	0.073	1.867	0.062
PM25B.lag 20	0.032	0.044	0.719	0.472
OZONE.lag 20	−127.837	90.772	−1.408	0.159
NO.lag 21	−0.304	0.052	−5.829	0
SO2.lag 21	−5.482	0.875	−6.268	0
CO.lag 21	0.0005	0.004	0.121	0.903
PM10B.lag 21	0.027	0.073	0.375	0.708
PM25B.lag 21	0.027	0.044	0.606	0.545
OZONE.lag 21	−110.517	90.777	−1.217	0.223
NO.lag 22	0.242	0.052	4.646	0.00000
SO2.lag 22	15.804	0.875	18.064	0
CO.lag 22	−0.014	0.004	−3.475	0.001
PM10B.lag 22	−0.030	0.073	−0.412	0.680
PM25B.lag 22	0.021	0.044	0.464	0.643
OZONE.lag 22	−139.784	90.785	−1.540	0.124
NO.lag 23	−0.021	0.052	−0.404	0.686
SO2.lag 23	−14.366	0.877	−16.380	0
CO.lag 23	−0.096	0.004	−24.132	0
PM10B.lag 23	−0.142	0.073	−1.951	0.051
PM25B.lag 23	0.014	0.044	0.308	0.758
OZONE.lag 23	−53.784	90.797	−0.592	0.554
NO.lag 24	−0.701	0.052	−13.419	0
SO2.lag 24	−3.862	0.879	−4.396	0.00001
CO.lag 24	0.533	0.004	133.631	0
PM10B.lag 24	−0.628	0.073	−8.637	0
PM25B.lag 24	−0.096	0.044	−2.176	0.030
OZONE.lag 24	1,202.049	90.810	13.237	0
NO.lag 25	0.224	0.053	4.271	0.00002
SO2.lag 25	8.315	0.877	9.484	0
CO.lag 25	−0.387	0.005	−85.739	0

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	Estimate	Std. Error	t value	Pr(>|t|)
PM10B.lag 25	0.355	0.073	4.888	0.00000
PM25B.lag 25	0.009	0.044	0.211	0.833
OZONE.lag 25	−906.784	90.922	−9.973	0
NO.lag 26	0.112	0.052	2.144	0.032
SO2.lag 26	−2.367	0.872	−2.715	0.007
CO.lag 26	0.042	0.005	8.912	0
PM10B.lag 26	0.021	0.072	0.293	0.769
PM25B.lag 26	0.020	0.043	0.454	0.650
OZONE.lag 26	129.698	90.692	1.430	0.153
NO.lag 27	0.061	0.039	1.568	0.117
SO2.lag 27	−0.123	0.661	−0.186	0.853
CO.lag 27	0.001	0.004	0.270	0.787
PM10B.lag 27	−0.009	0.063	−0.147	0.883
PM25B.lag 27	0.035	0.037	0.949	0.343
OZONE.lag 27	160.337	63.801	2.513	0.012
trend	0.00001	0.00002	0.403	0.687
BP	0.017	0.004	4.356	0.00001
INT_T	1.395	0.154	9.085	0
OUT_RH	0.150	0.021	7.085	0
OUT_T	−0.838	0.034	−24.330	0
Peak.Wind.Gust	−0.272	0.086	−3.173	0.002
RAINFALL	−72.158	10.961	−6.583	0
SONICWD	−0.005	0.003	−1.756	0.079
SONICWS	−3.910	0.231	−16.955	0
inversion	2.308	0.770	2.996	0.003

Table 4: Summary of VARX model results for PM10B

	Estimate	Std. Error	t value	Pr(>|t|)
NO.lag 1	0.036	0.002	14.926	0
SO2.lag 1	0.104	0.040	2.582	0.010
CO.lag 1	0.006	0.0002	22.956	0
PM10B.lag 1	0.571	0.004	149.936	0
PM25B.lag 1	0.017	0.002	7.520	0
OZONE.lag 1	−48.830	4.060	−12.028	0
NO.lag 2	−0.030	0.003	−9.490	0
SO2.lag 2	−0.052	0.053	−0.987	0.324
CO.lag 2	−0.002	0.0003	−7.781	0
PM10B.lag 2	0.104	0.004	23.647	0
PM25B.lag 2	−0.004	0.003	−1.442	0.149

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Table 4 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
OZONE.lag 2	21.113	5.490	3.845	0.0001
NO.lag 3	−0.001	0.003	−0.469	0.639
SO2.lag 3	−0.026	0.053	−0.490	0.624
CO.lag 3	−0.001	0.0003	−1.835	0.067
PM10B.lag 3	0.051	0.004	11.691	0
PM25B.lag 3	−0.006	0.003	−2.408	0.016
OZONE.lag 3	0.195	5.503	0.035	0.972
NO.lag 4	−0.001	0.003	−0.197	0.844
SO2.lag 4	0.024	0.053	0.462	0.644
CO.lag 4	0.0001	0.0002	0.332	0.740
PM10B.lag 4	0.031	0.004	6.939	0
PM25B.lag 4	−0.002	0.003	−0.699	0.484
OZONE.lag 4	10.217	5.494	1.860	0.063
NO.lag 5	−0.006	0.003	−2.023	0.043
SO2.lag 5	−0.118	0.053	−2.232	0.026
CO.lag 5	−0.00005	0.0002	−0.202	0.840
PM10B.lag 5	0.015	0.004	3.462	0.001
PM25B.lag 5	−0.001	0.003	−0.421	0.674
OZONE.lag 5	4.628	5.492	0.843	0.399
NO.lag 6	0.010	0.003	3.027	0.002
SO2.lag 6	0.078	0.053	1.474	0.140
CO.lag 6	−0.0005	0.0002	−2.050	0.040
PM10B.lag 6	0.019	0.004	4.290	0.00002
PM25B.lag 6	−0.002	0.003	−0.822	0.411
OZONE.lag 6	−1.642	5.491	−0.299	0.765
NO.lag 7	−0.005	0.003	−1.465	0.143
SO2.lag 7	−0.013	0.053	−0.245	0.806
CO.lag 7	−0.001	0.0002	−4.559	0.00001
PM10B.lag 7	0.021	0.004	4.679	0.00000
PM25B.lag 7	0.0003	0.003	0.099	0.921
OZONE.lag 7	−3.912	5.491	−0.713	0.476
NO.lag 8	0.004	0.003	1.156	0.248
SO2.lag 8	0.054	0.053	1.022	0.307
CO.lag 8	−0.0001	0.0002	−0.435	0.664
PM10B.lag 8	0.009	0.004	1.990	0.047
PM25B.lag 8	−0.002	0.003	−0.813	0.417
OZONE.lag 8	0.311	5.490	0.057	0.955
NO.lag 9	−0.003	0.003	−0.803	0.422
SO2.lag 9	−0.086	0.053	−1.619	0.105
CO.lag 9	−0.001	0.0002	−2.238	0.025
PM10B.lag 9	0.015	0.004	3.355	0.001
PM25B.lag 9	0.002	0.003	0.868	0.386

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	Estimate	Std. Error	t value	Pr(>|t|)
OZONE.lag 9	2.354	5.490	0.429	0.668
NO.lag 10	−0.0003	0.003	−0.095	0.924
SO2.lag 10	0.072	0.053	1.360	0.174
CO.lag 10	0.001	0.0002	2.660	0.008
PM10B.lag 10	0.001	0.004	0.341	0.733
PM25B.lag 10	0.001	0.003	0.296	0.767
OZONE.lag 10	−5.130	5.490	−0.934	0.350
NO.lag 11	0.002	0.003	0.530	0.596
SO2.lag 11	−0.040	0.053	−0.758	0.449
CO.lag 11	0.0005	0.0002	1.985	0.047
PM10B.lag 11	−0.0002	0.004	−0.038	0.970
PM25B.lag 11	0.002	0.003	0.751	0.452
OZONE.lag 11	−10.441	5.490	−1.902	0.057
NO.lag 12	−0.002	0.003	−0.672	0.502
SO2.lag 12	0.017	0.053	0.313	0.755
CO.lag 12	−0.0002	0.0002	−0.840	0.401
PM10B.lag 12	0.005	0.004	1.057	0.290
PM25B.lag 12	−0.004	0.003	−1.565	0.118
OZONE.lag 12	21.113	5.490	3.846	0.0001
NO.lag 13	0.005	0.003	1.537	0.124
SO2.lag 13	−0.036	0.053	−0.672	0.502
CO.lag 13	0.0003	0.0002	1.296	0.195
PM10B.lag 13	0.004	0.004	0.833	0.405
PM25B.lag 13	−0.0001	0.003	−0.055	0.956
OZONE.lag 13	3.216	5.490	0.586	0.558
NO.lag 14	0.003	0.003	0.990	0.322
SO2.lag 14	−0.064	0.053	−1.208	0.227
CO.lag 14	−0.0002	0.0002	−0.931	0.352
PM10B.lag 14	0.0003	0.004	0.073	0.941
PM25B.lag 14	−0.002	0.003	−0.887	0.375
OZONE.lag 14	−6.645	5.490	−1.210	0.226
NO.lag 15	−0.005	0.003	−1.469	0.142
SO2.lag 15	0.062	0.053	1.179	0.239
CO.lag 15	0.0003	0.0002	1.089	0.276
PM10B.lag 15	0.003	0.004	0.694	0.487
PM25B.lag 15	0.0001	0.003	0.033	0.973
OZONE.lag 15	7.363	5.491	1.341	0.180
NO.lag 16	−0.002	0.003	−0.701	0.483
SO2.lag 16	−0.037	0.053	−0.698	0.485
CO.lag 16	−0.00001	0.0002	−0.055	0.956
PM10B.lag 16	0.001	0.004	0.238	0.812
PM25B.lag 16	0.001	0.003	0.242	0.808

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	Estimate	Std. Error	t value	Pr(>|t|)
OZONE.lag 16	−11.988	5.491	−2.183	0.029
NO.lag 17	−0.0003	0.003	−0.108	0.914
SO2.lag 17	0.031	0.053	0.579	0.563
CO.lag 17	−0.0003	0.0002	−1.298	0.194
PM10B.lag 17	0.005	0.004	1.035	0.301
PM25B.lag 17	−0.0004	0.003	−0.148	0.882
OZONE.lag 17	14.934	5.491	2.720	0.007
NO.lag 18	0.003	0.003	0.916	0.359
SO2.lag 18	−0.014	0.053	−0.266	0.791
CO.lag 18	−0.0002	0.0002	−0.731	0.465
PM10B.lag 18	0.006	0.004	1.422	0.155
PM25B.lag 18	0.0003	0.003	0.112	0.910
OZONE.lag 18	−11.679	5.491	−2.127	0.033
NO.lag 19	0.003	0.003	0.859	0.390
SO2.lag 19	−0.024	0.053	−0.457	0.647
CO.lag 19	−0.0004	0.0002	−1.519	0.129
PM10B.lag 19	0.008	0.004	1.804	0.071
PM25B.lag 19	−0.002	0.003	−0.669	0.503
OZONE.lag 19	5.897	5.492	1.074	0.283
NO.lag 20	−0.003	0.003	−1.102	0.270
SO2.lag 20	−0.017	0.053	−0.318	0.751
CO.lag 20	0.00001	0.0002	0.030	0.976
PM10B.lag 20	0.003	0.004	0.785	0.432
PM25B.lag 20	0.002	0.003	0.747	0.455
OZONE.lag 20	0.291	5.492	0.053	0.958
NO.lag 21	−0.001	0.003	−0.472	0.637
SO2.lag 21	0.161	0.053	3.034	0.002
CO.lag 21	−0.001	0.0002	−4.053	0.0001
PM10B.lag 21	0.012	0.004	2.770	0.006
PM25B.lag 21	0.002	0.003	0.728	0.467
OZONE.lag 21	13.577	5.492	2.472	0.013
NO.lag 22	−0.001	0.003	−0.263	0.792
SO2.lag 22	−0.031	0.053	−0.587	0.557
CO.lag 22	0.0005	0.0002	1.930	0.054
PM10B.lag 22	0.025	0.004	5.747	0
PM25B.lag 22	0.00002	0.003	0.007	0.994
OZONE.lag 22	3.180	5.493	0.579	0.563
NO.lag 23	−0.007	0.003	−2.242	0.025
SO2.lag 23	−0.026	0.053	−0.495	0.620
CO.lag 23	−0.0001	0.0002	−0.274	0.784
PM10B.lag 23	0.056	0.004	12.785	0
PM25B.lag 23	0.0002	0.003	0.062	0.950

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Table 4 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
OZONE.lag 23	−10.023	5.493	−1.825	0.068
NO.lag 24	0.0003	0.003	0.110	0.912
SO2.lag 24	0.030	0.053	0.565	0.572
CO.lag 24	−0.0001	0.0002	−0.482	0.630
PM10B.lag 24	0.033	0.004	7.421	0
PM25B.lag 24	−0.004	0.003	−1.455	0.146
OZONE.lag 24	7.699	5.494	1.401	0.161
NO.lag 25	0.002	0.003	0.564	0.573
SO2.lag 25	−0.079	0.053	−1.493	0.136
CO.lag 25	−0.003	0.0003	−9.638	0
PM10B.lag 25	−0.001	0.004	−0.338	0.735
PM25B.lag 25	0.001	0.003	0.518	0.604
OZONE.lag 25	−21.694	5.501	−3.944	0.0001
NO.lag 26	0.005	0.003	1.680	0.093
SO2.lag 26	−0.105	0.053	−1.996	0.046
CO.lag 26	0.001	0.0003	3.477	0.001
PM10B.lag 26	−0.015	0.004	−3.519	0.0004
PM25B.lag 26	0.001	0.003	0.534	0.593
OZONE.lag 26	8.644	5.487	1.575	0.115
NO.lag 27	−0.005	0.002	−2.138	0.033
SO2.lag 27	0.029	0.040	0.719	0.472
CO.lag 27	0.001	0.0002	4.144	0.00003
PM10B.lag 27	−0.032	0.004	−8.481	0
PM25B.lag 27	−0.001	0.002	−0.365	0.715
OZONE.lag 27	−6.218	3.860	−1.611	0.107
trend	0.00001	0.00000	4.425	0.00001
BP	0.005	0.0002	19.455	0
INT_T	−0.046	0.009	−4.954	0.00000
OUT_RH	−0.014	0.001	−11.143	0
OUT_T	−0.001	0.002	−0.280	0.779
Peak.Wind.Gust	−0.020	0.005	−3.912	0.0001
RAINFALL	−3.907	0.663	−5.891	0
SONICWD	0.002	0.0002	9.711	0
SONICWS	−0.038	0.014	−2.730	0.006
inversion	−0.132	0.047	−2.823	0.005

Table 5: Summary of VARX model results for PM25B

	Estimate	Std. Error	t value	Pr(>|t|)
NO.lag 1	0.015	0.004	3.706	0.0002

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Table 5 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
SO2.lag 1	0.029	0.068	0.427	0.670
CO.lag 1	0.002	0.0004	5.110	0.00000
PM10B.lag 1	0.044	0.006	6.881	0
PM25B.lag 1	0.610	0.004	162.722	0
OZONE.lag 1	−18.009	6.782	−2.656	0.008
NO.lag 2	−0.017	0.005	−3.301	0.001
SO2.lag 2	−0.157	0.088	−1.776	0.076
CO.lag 2	−0.001	0.0005	−2.800	0.005
PM10B.lag 2	−0.035	0.007	−4.799	0.00000
PM25B.lag 2	0.220	0.004	50.143	0
OZONE.lag 2	4.617	9.172	0.503	0.615
NO.lag 3	0.003	0.005	0.572	0.567
SO2.lag 3	−0.033	0.089	−0.371	0.711
CO.lag 3	−0.0001	0.0005	−0.171	0.864
PM10B.lag 3	−0.021	0.007	−2.808	0.005
PM25B.lag 3	0.093	0.004	20.948	0
OZONE.lag 3	4.105	9.194	0.447	0.655
NO.lag 4	−0.002	0.005	−0.462	0.644
SO2.lag 4	0.042	0.088	0.472	0.637
CO.lag 4	−0.0002	0.0004	−0.471	0.637
PM10B.lag 4	−0.018	0.007	−2.438	0.015
PM25B.lag 4	0.040	0.004	9.007	0
OZONE.lag 4	8.949	9.178	0.975	0.330
NO.lag 5	−0.001	0.005	−0.228	0.819
SO2.lag 5	0.042	0.088	0.474	0.636
CO.lag 5	−0.0001	0.0004	−0.281	0.779
PM10B.lag 5	−0.012	0.007	−1.574	0.116
PM25B.lag 5	0.017	0.004	3.836	0.0001
OZONE.lag 5	1.801	9.175	0.196	0.844
NO.lag 6	0.002	0.005	0.402	0.688
SO2.lag 6	0.008	0.088	0.092	0.926
CO.lag 6	−0.0003	0.0004	−0.815	0.415
PM10B.lag 6	0.009	0.007	1.193	0.233
PM25B.lag 6	0.006	0.004	1.301	0.193
OZONE.lag 6	4.875	9.173	0.532	0.595
NO.lag 7	−0.0001	0.005	−0.018	0.985
SO2.lag 7	0.021	0.088	0.238	0.812
CO.lag 7	−0.0003	0.0004	−0.863	0.388
PM10B.lag 7	−0.008	0.007	−1.094	0.274
PM25B.lag 7	0.007	0.004	1.593	0.111
OZONE.lag 7	−19.544	9.172	−2.131	0.033
NO.lag 8	0.0004	0.005	0.076	0.940

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Table 5 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
SO2.lag 8	−0.011	0.088	−0.121	0.904
CO.lag 8	−0.0003	0.0004	−0.630	0.529
PM10B.lag 8	−0.00002	0.007	−0.002	0.998
PM25B.lag 8	0.003	0.004	0.583	0.560
OZONE.lag 8	8.706	9.171	0.949	0.342
NO.lag 9	−0.002	0.005	−0.472	0.637
SO2.lag 9	0.070	0.088	0.787	0.431
CO.lag 9	−0.0003	0.0004	−0.758	0.448
PM10B.lag 9	0.006	0.007	0.817	0.414
PM25B.lag 9	0.001	0.004	0.196	0.844
OZONE.lag 9	1.846	9.171	0.201	0.840
NO.lag 10	0.005	0.005	0.957	0.339
SO2.lag 10	−0.086	0.088	−0.970	0.332
CO.lag 10	0.00004	0.0004	0.099	0.921
PM10B.lag 10	−0.008	0.007	−1.123	0.261
PM25B.lag 10	0.001	0.004	0.260	0.795
OZONE.lag 10	−3.120	9.171	−0.340	0.734
NO.lag 11	0.003	0.005	0.585	0.559
SO2.lag 11	0.103	0.088	1.162	0.245
CO.lag 11	0.001	0.0004	1.418	0.156
PM10B.lag 11	0.001	0.007	0.107	0.914
PM25B.lag 11	−0.0002	0.004	−0.041	0.968
OZONE.lag 11	5.860	9.171	0.639	0.523
NO.lag 12	−0.005	0.005	−0.881	0.378
SO2.lag 12	−0.052	0.088	−0.584	0.559
CO.lag 12	−0.0003	0.0004	−0.668	0.504
PM10B.lag 12	0.006	0.007	0.852	0.394
PM25B.lag 12	0.001	0.004	0.281	0.779
OZONE.lag 12	0.865	9.170	0.094	0.925
NO.lag 13	0.002	0.005	0.370	0.712
SO2.lag 13	−0.010	0.088	−0.118	0.906
CO.lag 13	0.001	0.0004	1.575	0.115
PM10B.lag 13	−0.002	0.007	−0.317	0.751
PM25B.lag 13	0.001	0.004	0.278	0.781
OZONE.lag 13	7.089	9.172	0.773	0.440
NO.lag 14	−0.002	0.005	−0.338	0.736
SO2.lag 14	−0.029	0.088	−0.330	0.742
CO.lag 14	0.0002	0.0004	0.437	0.662
PM10B.lag 14	0.0001	0.007	0.017	0.986
PM25B.lag 14	−0.002	0.004	−0.506	0.613
OZONE.lag 14	−1.598	9.172	−0.174	0.862
NO.lag 15	0.001	0.005	0.121	0.904

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Table 5 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
SO2.lag 15	0.042	0.088	0.478	0.633
CO.lag 15	−0.0002	0.0004	−0.441	0.659
PM10B.lag 15	−0.001	0.007	−0.203	0.839
PM25B.lag 15	−0.002	0.004	−0.458	0.647
OZONE.lag 15	−8.463	9.172	−0.923	0.356
NO.lag 16	−0.003	0.005	−0.638	0.524
SO2.lag 16	−0.025	0.088	−0.282	0.778
CO.lag 16	0.0004	0.0004	1.035	0.301
PM10B.lag 16	−0.003	0.007	−0.406	0.685
PM25B.lag 16	0.001	0.004	0.213	0.831
OZONE.lag 16	2.688	9.172	0.293	0.769
NO.lag 17	0.002	0.005	0.364	0.716
SO2.lag 17	0.079	0.088	0.896	0.370
CO.lag 17	−0.00004	0.0004	−0.107	0.915
PM10B.lag 17	0.0002	0.007	0.031	0.975
PM25B.lag 17	−0.002	0.004	−0.493	0.622
OZONE.lag 17	2.341	9.172	0.255	0.799
NO.lag 18	0.001	0.005	0.102	0.919
SO2.lag 18	−0.073	0.088	−0.828	0.408
CO.lag 18	0.0001	0.0004	0.146	0.884
PM10B.lag 18	−0.004	0.007	−0.610	0.542
PM25B.lag 18	−0.0003	0.004	−0.073	0.942
OZONE.lag 18	−5.088	9.173	−0.555	0.579
NO.lag 19	0.001	0.005	0.213	0.831
SO2.lag 19	0.016	0.088	0.181	0.856
CO.lag 19	−0.0002	0.0004	−0.385	0.700
PM10B.lag 19	0.005	0.007	0.660	0.509
PM25B.lag 19	0.001	0.004	0.145	0.884
OZONE.lag 19	7.983	9.174	0.870	0.384
NO.lag 20	−0.001	0.005	−0.220	0.826
SO2.lag 20	0.003	0.088	0.029	0.977
CO.lag 20	0.0002	0.0004	0.376	0.707
PM10B.lag 20	−0.009	0.007	−1.261	0.207
PM25B.lag 20	0.003	0.004	0.566	0.571
OZONE.lag 20	−5.215	9.174	−0.568	0.570
NO.lag 21	0.001	0.005	0.103	0.918
SO2.lag 21	0.074	0.088	0.842	0.400
CO.lag 21	−0.0005	0.0004	−1.194	0.232
PM10B.lag 21	0.012	0.007	1.609	0.108
PM25B.lag 21	0.003	0.004	0.698	0.485
OZONE.lag 21	12.559	9.175	1.369	0.171
NO.lag 22	−0.0004	0.005	−0.079	0.937

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Table 5 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
SO2.lag 22	−0.003	0.088	−0.031	0.975
CO.lag 22	0.0001	0.0004	0.155	0.877
PM10B.lag 22	0.005	0.007	0.714	0.475
PM25B.lag 22	−0.002	0.004	−0.456	0.649
OZONE.lag 22	4.831	9.175	0.527	0.599
NO.lag 23	−0.002	0.005	−0.367	0.714
SO2.lag 23	−0.050	0.089	−0.566	0.571
CO.lag 23	0.0001	0.0004	0.194	0.846
PM10B.lag 23	0.002	0.007	0.281	0.779
PM25B.lag 23	0.004	0.004	0.982	0.326
OZONE.lag 23	−5.188	9.177	−0.565	0.572
NO.lag 24	−0.001	0.005	−0.172	0.864
SO2.lag 24	−0.027	0.089	−0.306	0.760
CO.lag 24	0.0002	0.0004	0.400	0.689
PM10B.lag 24	−0.002	0.007	−0.305	0.761
PM25B.lag 24	−0.0002	0.004	−0.056	0.956
OZONE.lag 24	−8.402	9.178	−0.915	0.360
NO.lag 25	0.003	0.005	0.602	0.547
SO2.lag 25	−0.010	0.089	−0.109	0.913
CO.lag 25	−0.0002	0.0005	−0.419	0.675
PM10B.lag 25	0.009	0.007	1.245	0.213
PM25B.lag 25	−0.006	0.004	−1.279	0.201
OZONE.lag 25	−7.954	9.189	−0.866	0.387
NO.lag 26	0.0001	0.005	0.010	0.992
SO2.lag 26	−0.015	0.088	−0.167	0.868
CO.lag 26	0.00002	0.0005	0.032	0.975
PM10B.lag 26	0.001	0.007	0.194	0.846
PM25B.lag 26	0.005	0.004	1.038	0.299
OZONE.lag 26	14.551	9.166	1.587	0.112
NO.lag 27	−0.001	0.004	−0.341	0.733
SO2.lag 27	0.041	0.067	0.619	0.536
CO.lag 27	−0.0002	0.0004	−0.453	0.650
PM10B.lag 27	0.003	0.006	0.447	0.655
PM25B.lag 27	−0.003	0.004	−0.752	0.452
OZONE.lag 27	−7.136	6.448	−1.107	0.268
trend	0.00001	0.00000	3.374	0.001
BP	0.003	0.0004	6.716	0
INT_T	−0.056	0.016	−3.625	0.0003
OUT_RH	−0.004	0.002	−1.783	0.075
OUT_T	0.003	0.003	0.824	0.410
Peak.Wind.Gust	−0.008	0.009	−0.962	0.336
RAINFALL	−3.816	1.108	−3.445	0.001

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	Estimate	Std. Error	t value	Pr(>|t|)
SONICWD	0.0001	0.0003	0.181	0.857
SONICWS	−0.051	0.023	−2.192	0.028
inversion	−0.004	0.078	−0.052	0.958

Table 6: Summary of VARX model results for Ozone

	Estimate	Std. Error	t value	Pr(>|t|)
NO.lag 1	−0.00001	0.00000	−3.823	0.0001
SO2.lag 1	0.0005	0.00004	12.039	0
CO.lag 1	−0.00000	0.00000	−14.975	0
PM10B.lag 1	0.00001	0.00000	1.926	0.054
PM25B.lag 1	0.00000	0.00000	2.157	0.031
OZONE.lag 1	0.934	0.004	242.140	0
NO.lag 2	0.00001	0.00000	3.957	0.0001
SO2.lag 2	−0.0002	0.0001	−4.231	0.00002
CO.lag 2	0.00000	0.00000	13.953	0
PM10B.lag 2	0.00001	0.00000	1.615	0.106
PM25B.lag 2	−0.00001	0.00000	−2.282	0.023
OZONE.lag 2	−0.092	0.005	−17.723	0
NO.lag 3	0.00000	0.00000	0.144	0.885
SO2.lag 3	−0.00001	0.0001	−0.195	0.845
CO.lag 3	0.00000	0.00000	5.437	0.00000
PM10B.lag 3	0.00000	0.00000	0.151	0.880
PM25B.lag 3	0.00000	0.00000	0.070	0.944
OZONE.lag 3	0.0003	0.005	0.058	0.954
NO.lag 4	−0.00000	0.00000	−1.122	0.262
SO2.lag 4	−0.0001	0.0001	−0.996	0.319
CO.lag 4	0.00000	0.00000	4.772	0.00000
PM10B.lag 4	−0.00000	0.00000	−0.977	0.328
PM25B.lag 4	−0.00000	0.00000	−0.419	0.675
OZONE.lag 4	−0.019	0.005	−3.675	0.0002
NO.lag 5	−0.00000	0.00000	−0.461	0.645
SO2.lag 5	−0.00004	0.0001	−0.818	0.413
CO.lag 5	0.00000	0.00000	1.963	0.050
PM10B.lag 5	−0.00002	0.00000	−4.159	0.00003
PM25B.lag 5	0.00001	0.00000	2.095	0.036
OZONE.lag 5	−0.009	0.005	−1.717	0.086
NO.lag 6	−0.00000	0.00000	−0.225	0.822
SO2.lag 6	−0.0001	0.0001	−2.659	0.008
CO.lag 6	0.00000	0.00000	2.325	0.020

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Table 6 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
PM10B.lag 6	−0.00001	0.00000	−1.343	0.179
PM25B.lag 6	−0.00000	0.00000	−1.154	0.249
OZONE.lag 6	0.002	0.005	0.449	0.653
NO.lag 7	0.00000	0.00000	1.193	0.233
SO2.lag 7	0.00003	0.0001	0.613	0.540
CO.lag 7	−0.00000	0.00000	−0.905	0.365
PM10B.lag 7	0.00000	0.00000	0.943	0.346
PM25B.lag 7	−0.00000	0.00000	−0.375	0.708
OZONE.lag 7	−0.006	0.005	−1.180	0.238
NO.lag 8	−0.00000	0.00000	−0.546	0.585
SO2.lag 8	−0.00004	0.0001	−0.710	0.478
CO.lag 8	−0.00000	0.00000	−4.123	0.00004
PM10B.lag 8	−0.00000	0.00000	−0.551	0.581
PM25B.lag 8	0.00000	0.00000	0.112	0.911
OZONE.lag 8	−0.011	0.005	−2.022	0.043
NO.lag 9	−0.00000	0.00000	−0.006	0.996
SO2.lag 9	−0.0001	0.0001	−1.107	0.268
CO.lag 9	−0.00000	0.00000	−2.965	0.003
PM10B.lag 9	0.00001	0.00000	3.274	0.001
PM25B.lag 9	0.00000	0.00000	0.211	0.833
OZONE.lag 9	−0.006	0.005	−1.144	0.253
NO.lag 10	−0.00000	0.00000	−0.103	0.918
SO2.lag 10	−0.00001	0.0001	−0.166	0.868
CO.lag 10	−0.00000	0.00000	−6.521	0
PM10B.lag 10	0.00001	0.00000	1.932	0.053
PM25B.lag 10	0.00000	0.00000	0.092	0.927
OZONE.lag 10	−0.010	0.005	−1.938	0.053
NO.lag 11	−0.00000	0.00000	−0.062	0.950
SO2.lag 11	−0.00004	0.0001	−0.789	0.430
CO.lag 11	−0.00000	0.00000	−1.467	0.142
PM10B.lag 11	−0.00000	0.00000	−0.757	0.449
PM25B.lag 11	−0.00000	0.00000	−0.361	0.718
OZONE.lag 11	0.004	0.005	0.683	0.495
NO.lag 12	−0.00000	0.00000	−0.011	0.992
SO2.lag 12	0.00001	0.0001	0.211	0.833
CO.lag 12	0.00000	0.00000	2.586	0.010
PM10B.lag 12	−0.00001	0.00000	−1.203	0.229
PM25B.lag 12	−0.00000	0.00000	−0.167	0.867
OZONE.lag 12	−0.004	0.005	−0.807	0.419
NO.lag 13	−0.00000	0.00000	−0.966	0.334
SO2.lag 13	−0.00000	0.0001	−0.033	0.974
CO.lag 13	0.00000	0.00000	2.814	0.005

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Table 6 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
PM10B.lag 13	−0.00000	0.00000	−0.474	0.635
PM25B.lag 13	0.00000	0.00000	0.244	0.807
OZONE.lag 13	0.005	0.005	0.916	0.359
NO.lag 14	−0.00000	0.00000	−0.307	0.759
SO2.lag 14	0.00004	0.0001	0.698	0.485
CO.lag 14	0.00000	0.00000	1.848	0.065
PM10B.lag 14	0.00000	0.00000	0.551	0.581
PM25B.lag 14	−0.00000	0.00000	−0.215	0.829
OZONE.lag 14	0.013	0.005	2.443	0.015
NO.lag 15	0.00000	0.00000	0.975	0.329
SO2.lag 15	0.00003	0.0001	0.512	0.609
CO.lag 15	−0.00000	0.00000	−0.963	0.336
PM10B.lag 15	0.00001	0.00000	1.488	0.137
PM25B.lag 15	−0.00000	0.00000	−0.544	0.586
OZONE.lag 15	−0.005	0.005	−0.891	0.373
NO.lag 16	0.00000	0.00000	0.225	0.822
SO2.lag 16	0.0001	0.0001	1.172	0.241
CO.lag 16	0.00000	0.00000	0.393	0.694
PM10B.lag 16	−0.00000	0.00000	−1.158	0.247
PM25B.lag 16	0.00000	0.00000	0.053	0.958
OZONE.lag 16	0.007	0.005	1.301	0.193
NO.lag 17	−0.00000	0.00000	−0.667	0.505
SO2.lag 17	−0.00002	0.0001	−0.466	0.641
CO.lag 17	0.00000	0.00000	3.607	0.0003
PM10B.lag 17	−0.00000	0.00000	−0.827	0.408
PM25B.lag 17	−0.00000	0.00000	−0.524	0.600
OZONE.lag 17	0.010	0.005	1.967	0.049
NO.lag 18	0.00000	0.00000	0.112	0.911
SO2.lag 18	−0.00002	0.0001	−0.469	0.639
CO.lag 18	0.00000	0.00000	3.572	0.0004
PM10B.lag 18	−0.00000	0.00000	−0.416	0.678
PM25B.lag 18	0.00000	0.00000	0.261	0.794
OZONE.lag 18	0.008	0.005	1.590	0.112
NO.lag 19	−0.00001	0.00000	−1.811	0.070
SO2.lag 19	−0.00003	0.0001	−0.568	0.570
CO.lag 19	0.00000	0.00000	3.255	0.001
PM10B.lag 19	−0.00001	0.00000	−1.313	0.189
PM25B.lag 19	0.00001	0.00000	2.110	0.035
OZONE.lag 19	0.002	0.005	0.366	0.714
NO.lag 20	0.00000	0.00000	1.512	0.131
SO2.lag 20	−0.0001	0.0001	−1.018	0.308
CO.lag 20	0.00000	0.00000	5.131	0.00000

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Table 6 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
PM10B.lag 20	−0.00000	0.00000	−0.652	0.514
PM25B.lag 20	0.00000	0.00000	0.490	0.624
OZONE.lag 20	0.016	0.005	3.150	0.002
NO.lag 21	0.00000	0.00000	0.127	0.899
SO2.lag 21	0.0001	0.0001	1.444	0.149
CO.lag 21	−0.00000	0.00000	−2.155	0.031
PM10B.lag 21	−0.00001	0.00000	−2.959	0.003
PM25B.lag 21	0.00000	0.00000	0.099	0.921
OZONE.lag 21	0.004	0.005	0.809	0.419
NO.lag 22	0.00001	0.00000	2.165	0.030
SO2.lag 22	−0.0001	0.0001	−2.259	0.024
CO.lag 22	−0.00000	0.00000	−1.828	0.068
PM10B.lag 22	0.00000	0.00000	0.336	0.737
PM25B.lag 22	−0.00000	0.00000	−1.482	0.138
OZONE.lag 22	0.023	0.005	4.373	0.00001
NO.lag 23	−0.00000	0.00000	−1.216	0.224
SO2.lag 23	0.0002	0.0001	3.321	0.001
CO.lag 23	−0.00000	0.00000	−3.508	0.0005
PM10B.lag 23	0.00001	0.00000	1.889	0.059
PM25B.lag 23	−0.00000	0.00000	−0.777	0.437
OZONE.lag 23	0.038	0.005	7.294	0
NO.lag 24	−0.00000	0.00000	−0.649	0.516
SO2.lag 24	−0.00001	0.0001	−0.137	0.891
CO.lag 24	−0.00000	0.00000	−0.944	0.345
PM10B.lag 24	0.00000	0.00000	0.651	0.515
PM25B.lag 24	0.00000	0.00000	1.078	0.281
OZONE.lag 24	0.015	0.005	2.960	0.003
NO.lag 25	0.00000	0.00000	0.453	0.650
SO2.lag 25	0.00001	0.0001	0.182	0.855
CO.lag 25	0.00000	0.00000	7.916	0
PM10B.lag 25	0.00000	0.00000	0.815	0.415
PM25B.lag 25	−0.00000	0.00000	−0.117	0.907
OZONE.lag 25	−0.007	0.005	−1.335	0.182
NO.lag 26	−0.00000	0.00000	−0.269	0.788
SO2.lag 26	0.00001	0.0001	0.193	0.847
CO.lag 26	−0.00000	0.00000	−6.604	0
PM10B.lag 26	−0.00000	0.00000	−0.189	0.850
PM25B.lag 26	−0.00000	0.00000	−0.015	0.988
OZONE.lag 26	−0.033	0.005	−6.243	0
NO.lag 27	0.00000	0.00000	0.631	0.528
SO2.lag 27	0.00003	0.00004	0.711	0.477
CO.lag 27	−0.00000	0.00000	−2.839	0.005

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Table 6 Continued from previous page

	Estimate	Std. Error	t value	Pr(>|t|)
PM10B.lag 27	0.00000	0.00000	0.025	0.980
PM25B.lag 27	−0.00000	0.00000	−0.764	0.445
OZONE.lag 27	−0.014	0.004	−3.736	0.0002
trend	0.00000	0	12.065	0
BP	0.00000	0.00000	8.368	0
INT_T	0.0001	0.00001	5.686	0
OUT_RH	−0.0001	0.00000	−47.022	0
OUT_T	0.0001	0.00000	47.223	0
Peak.Wind.Gust	0.0001	0.00000	11.677	0
RAINFALL	0.003	0.001	4.753	0.00000
SONICWD	0.00000	0.00000	8.460	0
SONICWS	0.0003	0.00001	22.006	0
inversion	−0.0003	0.00004	−7.014	0