Supplementary Information for Huang et al.

Table S-1. Summarization of PM_1 species concentrations during the campaign.

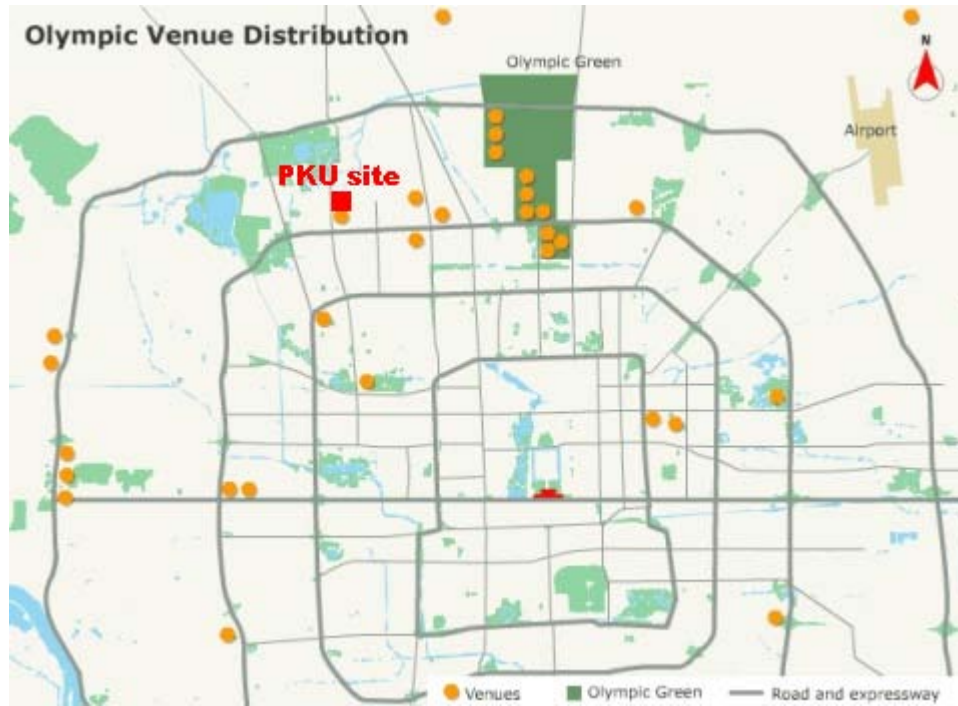|	Mean	1σ	Median	Minimum	Maximum
	PM₁ species				
Sulfate	16.8	13.5	13.1	0.04	92.4
Ammonium	10.0	7.8	8.2	0.29	62.6
Nitrate	10.0	9.6	7.4	0.01	84.8
Chloride	0.55	0.73	0.30	<D.L.	13.1
Organics	23.9	15.4	21.1	0.16	171
BC	1.9	1.1	1.78	0.02	7.1
PM₁	63.1	39.7	56.5	2.47	356

Fig. S-1. The location of the sampling site in Beijing. The background map was downloaded from www.ebeijing.gov.cn.
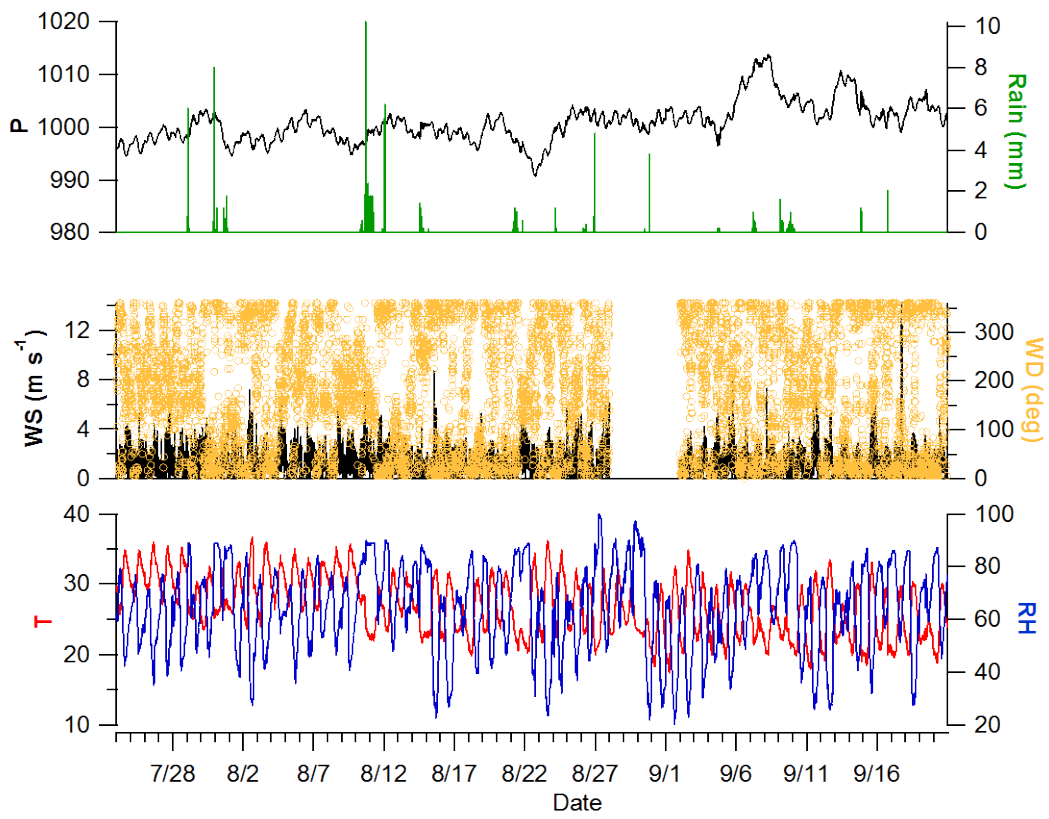
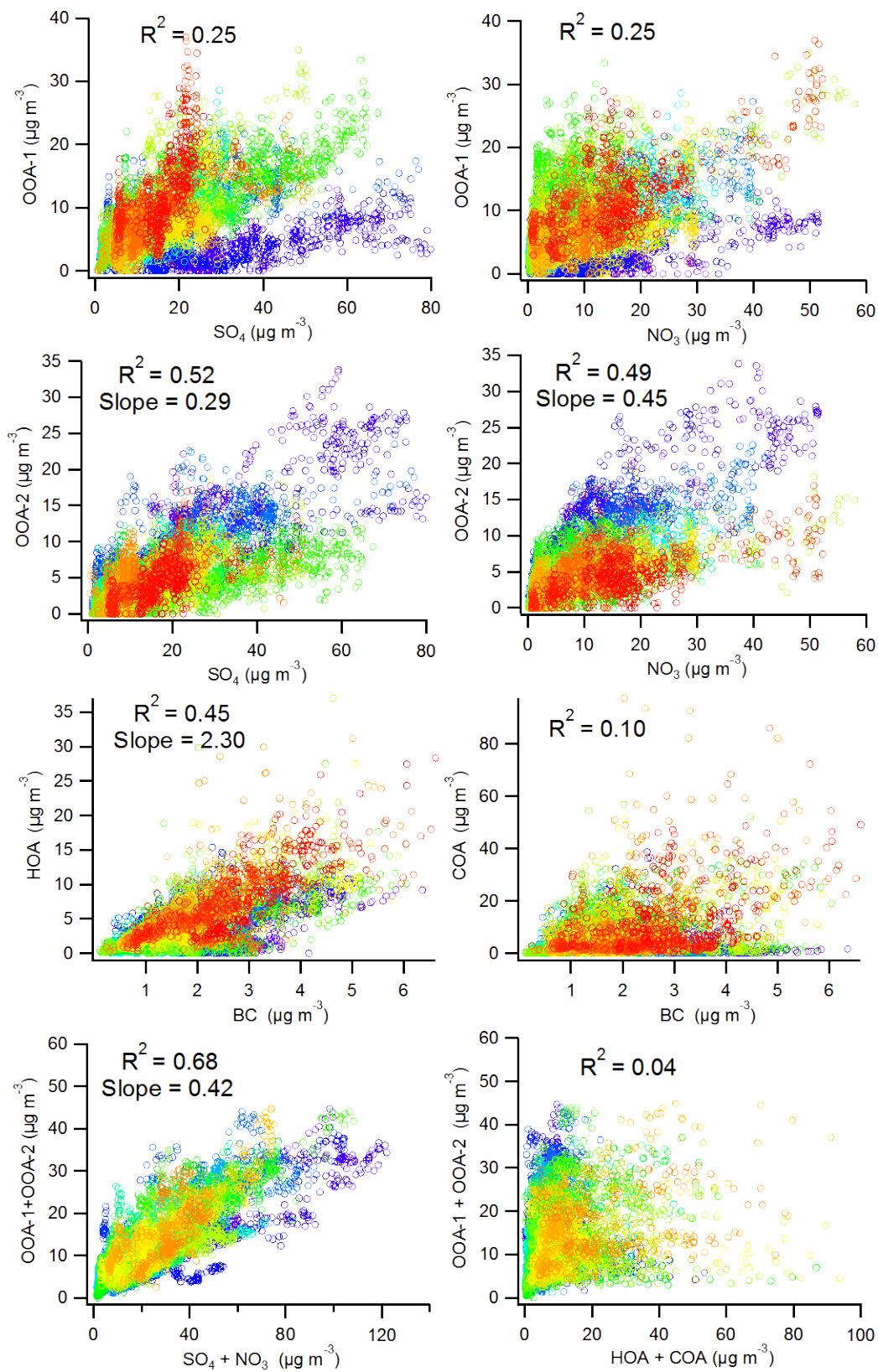Fig. S-2. Time series of the meteorological parameters at the sampling site.

Fig. S-3. Scatter plots of the correlation among major PM$_1$ species.