

## Supplementary Information

### Insights into characteristics, sources and evolution of submicron aerosols during harvest seasons in Yangtze River Delta (YRD) region, China

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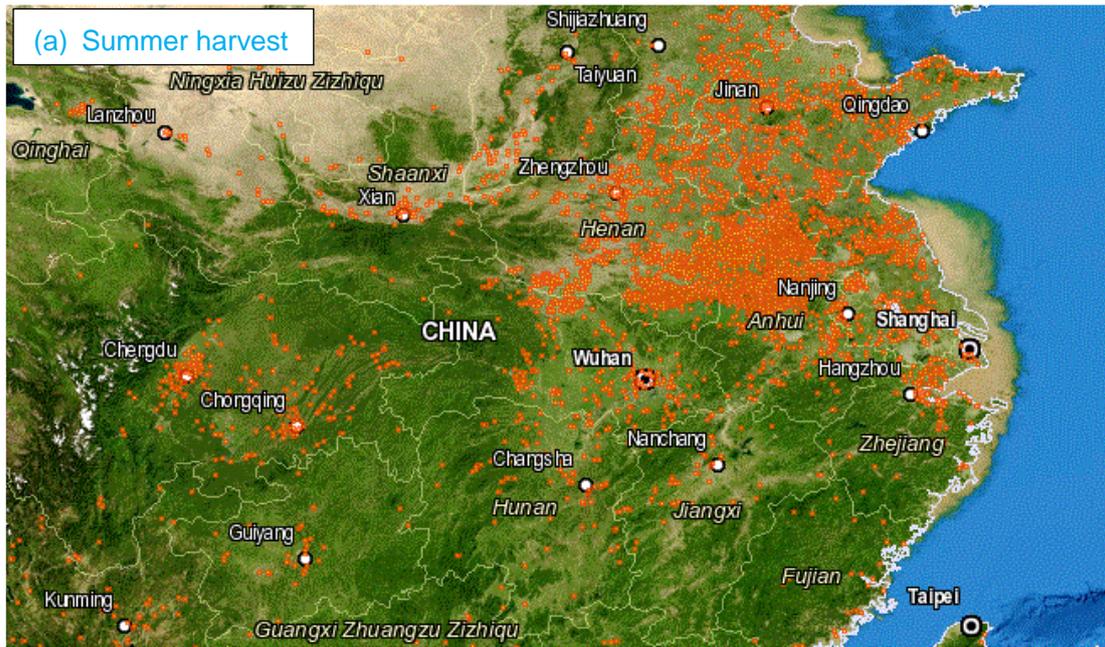
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6 Pages

5 Figures



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25 Figure S1. View of total agricultural fire locations (red dots) over YRD region detected by the remote  
 26 sensing retrieval of Moderate Resolution Imaging Spectroradiometer (MODIS) mounted on NASA's Terra  
 27 and Aqua satellites in 1km pixel (a) from June 1 to 15, 2013 and (b) from October 15 to 30, 2013,  
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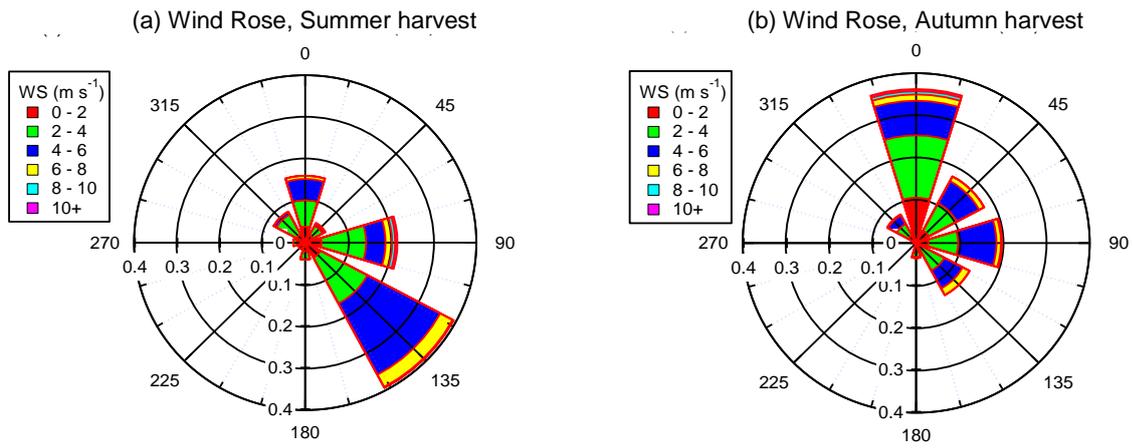
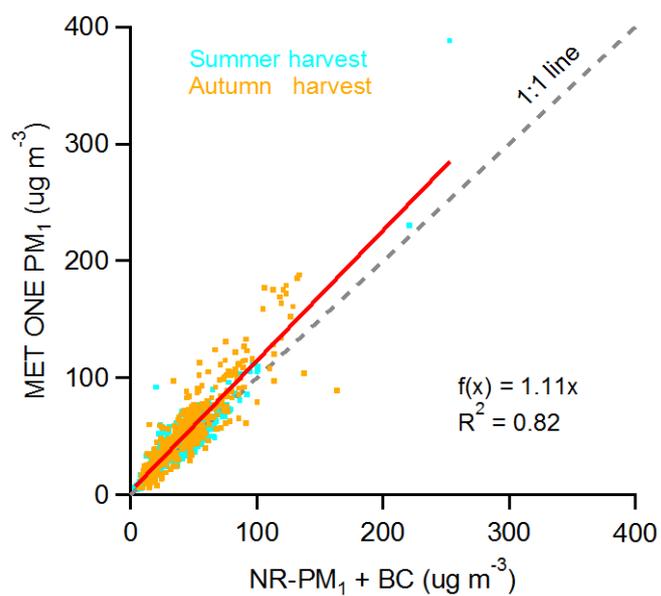


Figure S2. Frequency distributions of hourly averaged wind direction and speed during the harvest seasons.

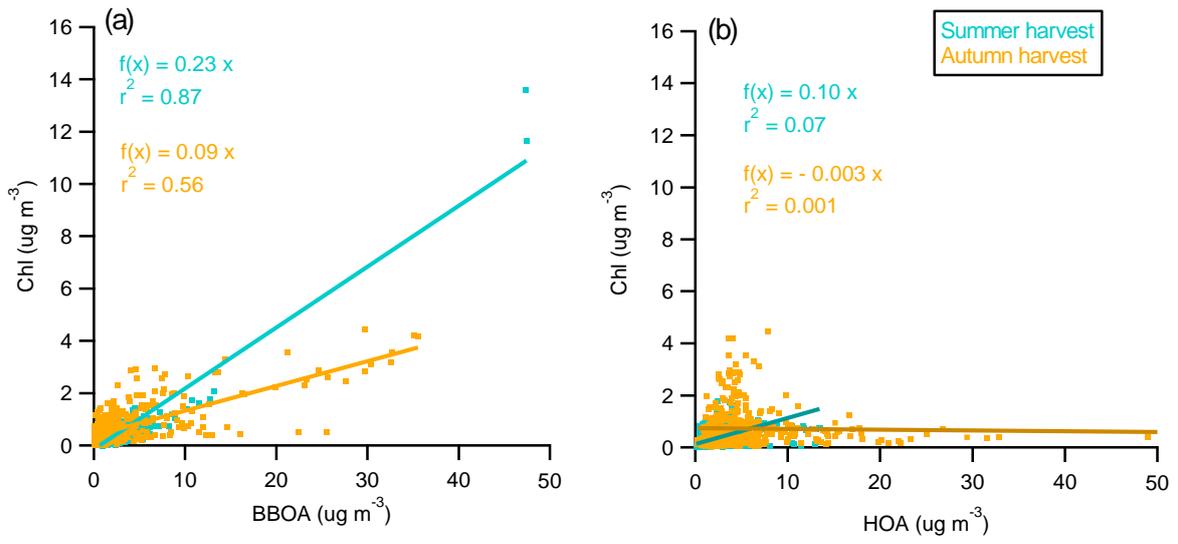
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49 Figure S3. Correlation plot of the MET ONE PM<sub>1</sub> mass loadings vs. the sum of NR-PM<sub>1</sub> and BC mass  
50 loadings.

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54 Figure S4. Correlation plots of (a) Chl vs. BBOA, (b) Chl vs. HOA during the summer and autumn harvest  
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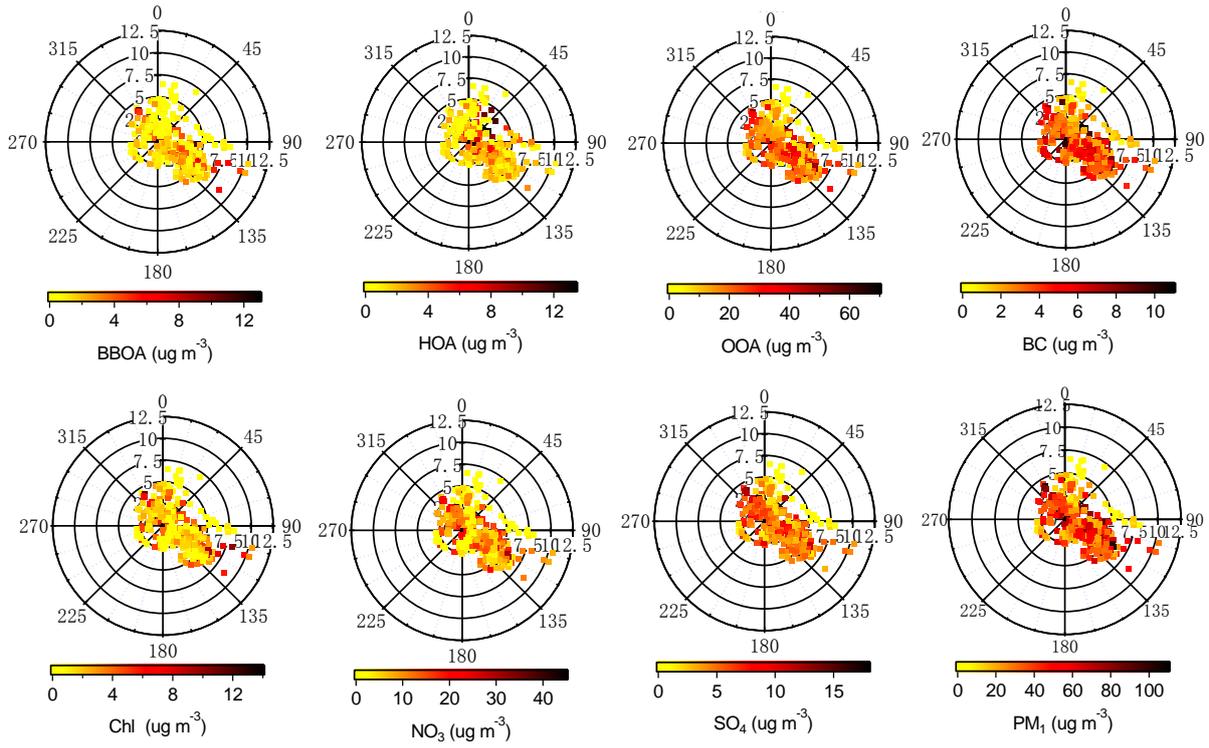
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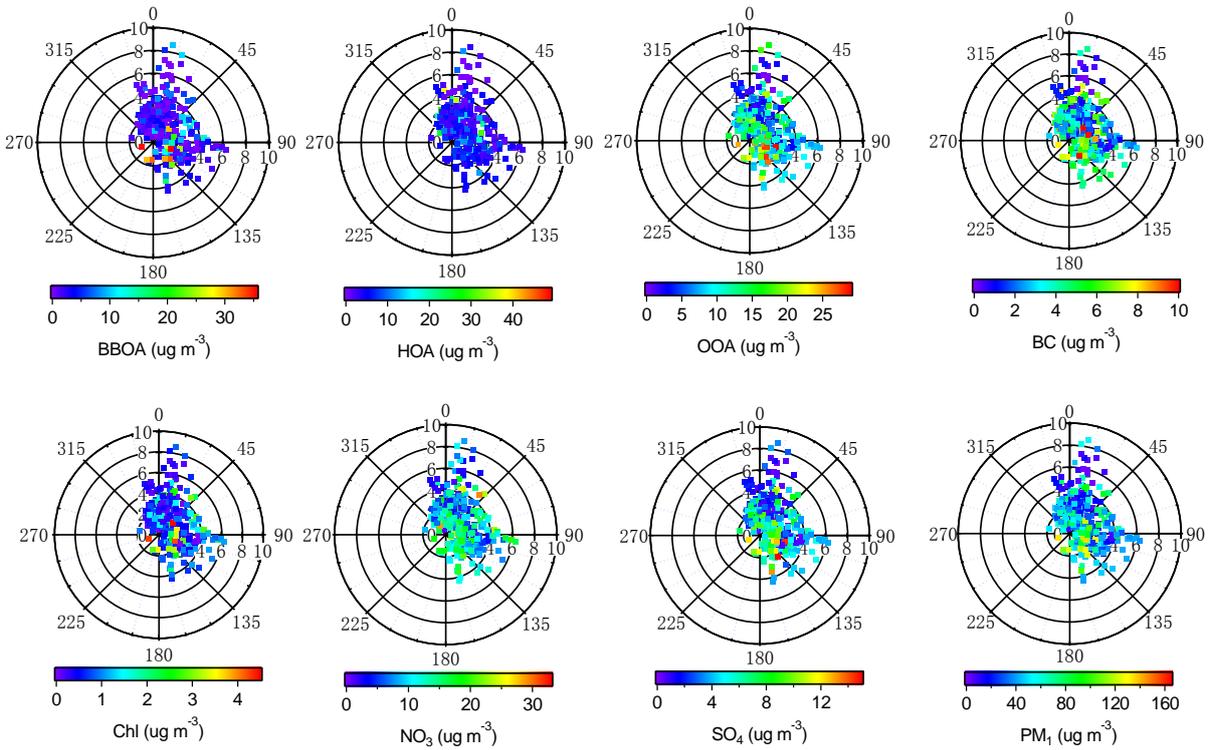
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(a) Summer harvest



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(b) Autumn harvest



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68 Figure S5. The variations of PM<sub>1</sub> component concentration with wind direction and speed.