

# Comparison of PM<sub>2.5</sub> Exposure in Hazy and Non-hazy Days in Nanjing, China

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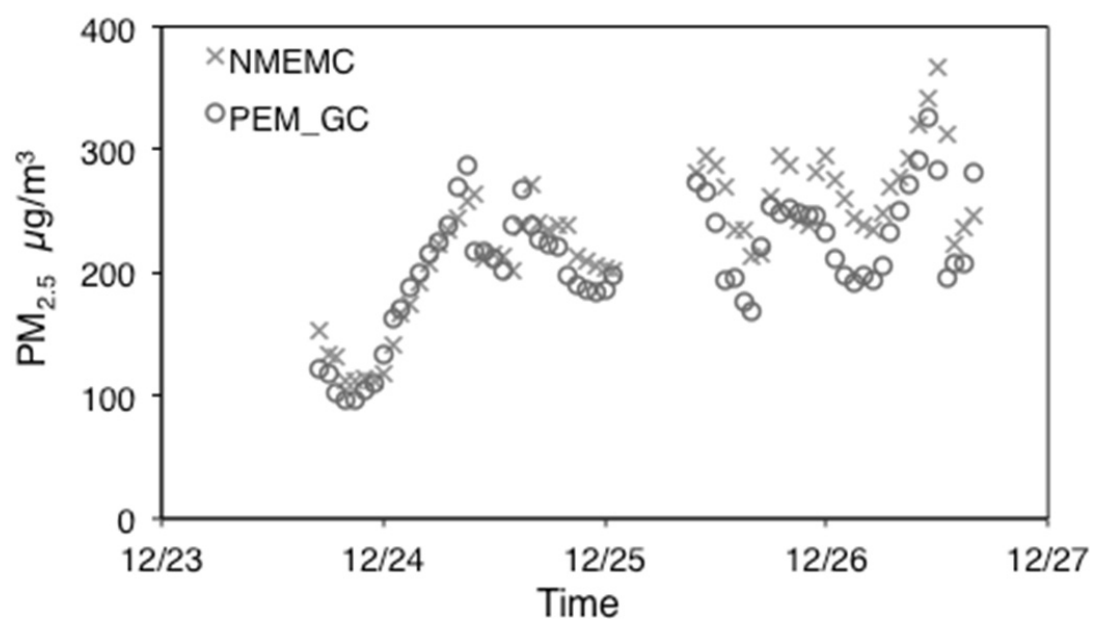
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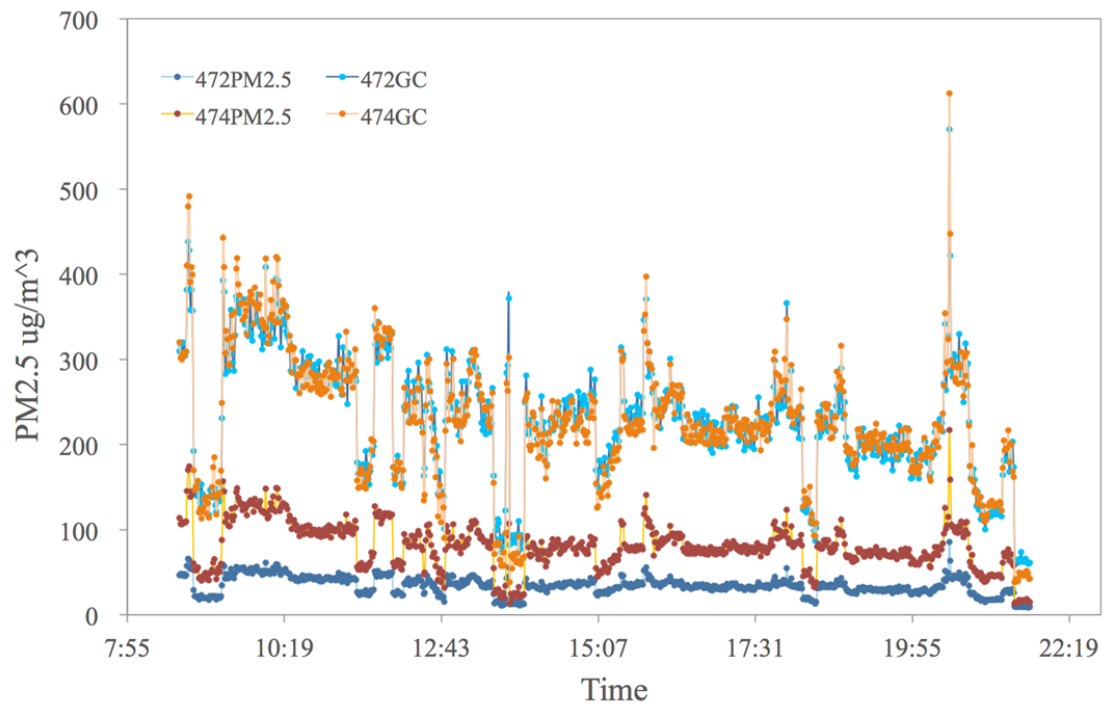
**Supplement materials**

**Table. S1** Linear relationship between personal exposure PM<sub>2.5</sub> and central sites (NMEMC) simultaneously monitored PM<sub>2.5</sub> data. <sup>a</sup> Sub station and sub station UP represent underground and ground level subway stations, respectively. <sup>b</sup> Subway and subway UP represent underground and ground level subway cars.

ME		Correl factor	Slope	N	<i>p</i>	ME		Correl factor	Slope	N	<i>p</i>
Road	Haze	0.62	0.58	315	0.001	Restaurant	Haze	0.21	0.13	141	0.001
	Non-haze	0.51	0.11	142	0.001		Non-haze	0.88	0.23	43	0.001
Bus station	Haze	0.64	0.69	215	0.001	Subway	Haze	0.53	1.26	113	0.001
	Non-haze	0.56	0.16	101	0.001		Non-haze	0.6	0.26	31	0.001
Sub station UP	Haze	0.8	0.68	40	0.001	Subway UP	Haze	0.78	2.09	70	0.001
	Non-haze	0.99	0.23	17	0.001		Non-haze	0.65	0.40	29	0.001
Street food vendor	Haze	0.18	0.08	86	0.05	Office	Haze	0.56	0.79	410	0.001
	Non-haze	0.52	0.02	58	0.001		Non-haze	0.66	0.33	157	0.001
Construction	Haze	0.49	0.30	164	0.001	Lab	Haze	0.55	0.84	59	0.001
	Non-haze	0.86	0.28	47	0.001		Non-haze	-0.34	-0.31	27	0.01
Park	Haze	0.5	0.60	92	0.001	Underground mall	Haze	0.13	0.07	50	0.5
	Non-haze	0.94	0.10	48	0.001		Non-haze	0.72	0.10	9	0.02
Schoolyard	Haze	0.67	0.40	63	0.001	Mall	Haze	0.65	0.32	39	0.001
	Non-haze	0.81	0.21	30	0.001		Non-haze	0.32	0.03	26	0.01
Bus	Haze	0.76	0.83	277	0.001	Hospital	Haze	0.87	0.46	72	0.001
	Non-haze	0.7	0.14	111	0.001		Non-haze	0.97	0.32	31	0.001
Taxi	Haze	0.62	0.28	80	0.001	Supermarket	Haze	0.77	0.79	42	0.001
	Non-haze	0.84	0.22	51	0.001		Non-haze	0.97	0.24	27	0.001
Sub station	Haze	0.59	0.47	119	0.001						
	Non-haze	0.77	0.09	53	0.001						



**Fig. S1** MicroPEM and BAM-1020 (NMEMC) side-by-side monitored  $PM_{2.5}$  hourly data comparison (Inlets of both units were at the same vertical height with horizontal distance of 2 m).



**Fig. S2.** Side-by-side personal PM<sub>2.5</sub> exposure comparison (minute average data) before (concentration measured by MicroPEM directly, 472PM<sub>2.5</sub> & 474PM<sub>2.5</sub>) and after gravimetric correction (472 GC & 474 GC; gravimetric correction ratio,  $r_{GC}$ , is 6.65 and 2.82 for 472 GC & 474 GC, respectively).