Supplementary Material

Table S1. The information of the meteorological stations used in this study.

City	Station ID	Station name	Latitude (decimal degree)	Longitude (decimal degree)	Altitude (m)
Western Sichuan Plain					
CD	56187	Wenjiang	30.75	103.87	547.7
DY	56198	Deyang	31.32	104.50	525.7
MY	57307	Santai	31.10	105.08	404.9
MS	56391	Meishan	30.08	103.82	415.4
LS	56386	Leshan	29.57	103.75	424.2
YA	56280	Mingshan	30.08	103.12	691.3
Northeastern Sichuan					
GY	57206	Guangyuan	32.43	105.85	513.8
BZ	57313	Bazhong	31.87	106.77	417.7
DZ	57328	Dazhou	31.20	107.50	344.9
NC	57411	Gaoping	30.78	106.10	309.7
GA	57415	Guangan	30.53	106.63	394.5
Central Hills					
SN	57405	Suining	30.50	105.55	355.0
ZY	56298	Ziyang	30.13	104.60	417.0
NJ	57503	Dongxing district	29.62	105.12	349.7
Southern Sichuan					
ZG	56396	Zigong	29.35	104.77	352.6
YB	56492	Yibin	28.80	104.60	340.8
LZ	57508	Luxian	29.15	105.37	301.0

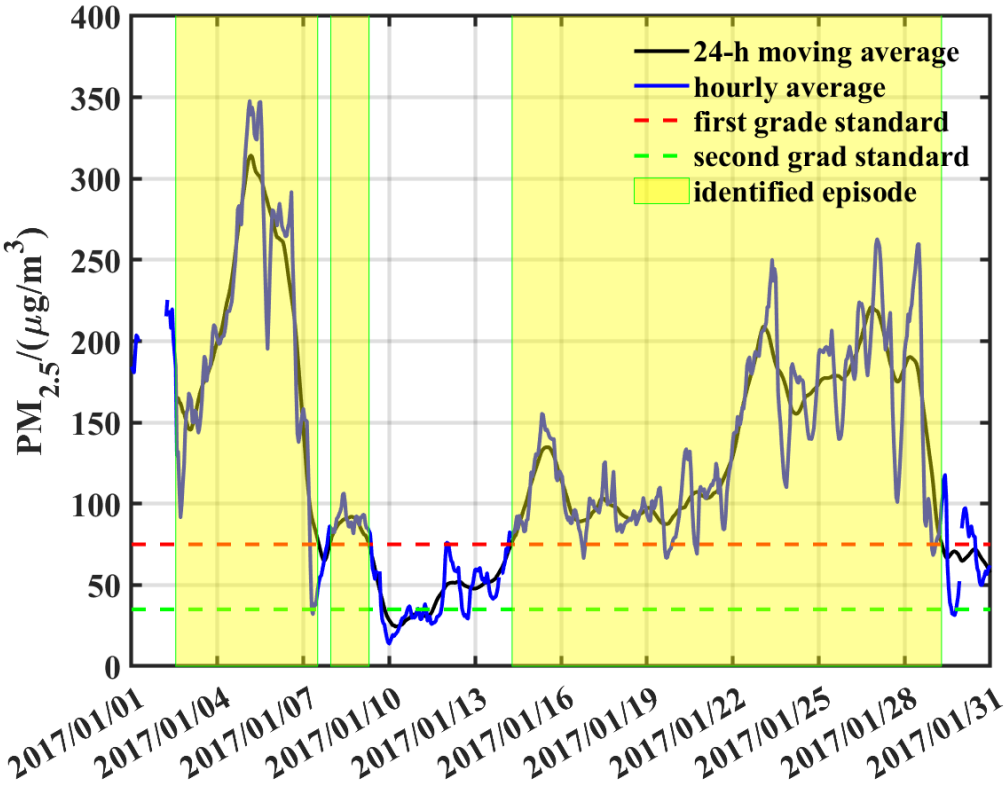

Fig. S1. An example of the method to identify pollution episodes in January 2017 in Chengdu.