

Supplements

Table S1 Mass concentration of PM_{2.5} and major ions during the sampling period (unit: ng m⁻³)

Class	Date [*] (sampling time)	PM _{2.5}	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺
Phase-I	18(21:00)-19(09:00)	9,000	150	165	3,367	177	131	136	646	730
	20(16:50)-21(05:50)	40,000	820	6,155	11,077	471	487	142	424	4,786
	Mean	24,500	485	3,160	7,222	324	309	139	535	2,758
	23(20:00)-24(18:30)	75,000	457	16,322	18,905	262	1,050	50	368	10,863
	24(20:00)-25(19:30)	70,000	547	15,461	16,722	403	1,009	57	243	9,959
Phase-II	25(20:20)-26(17:00)	23,000	284	3,705	6,181	216	264	125	1,111	2,033
	Mean	56,000	429	11,829	13,936	294	774	77	574	7,618
	26(18:40)-27(18:40)	17,000	250	1,715	4,239	149	246	88	1,066	1,398
Phase-III	27(18:45)-28(18:45)	16,000	101	1,493	3,748	76	114	59	561	1,358
	Mean	16,500	176	1,604	3,994	112	180	73	813	1,378

* Because of the sampler and some weather problems, seven samples are effective.

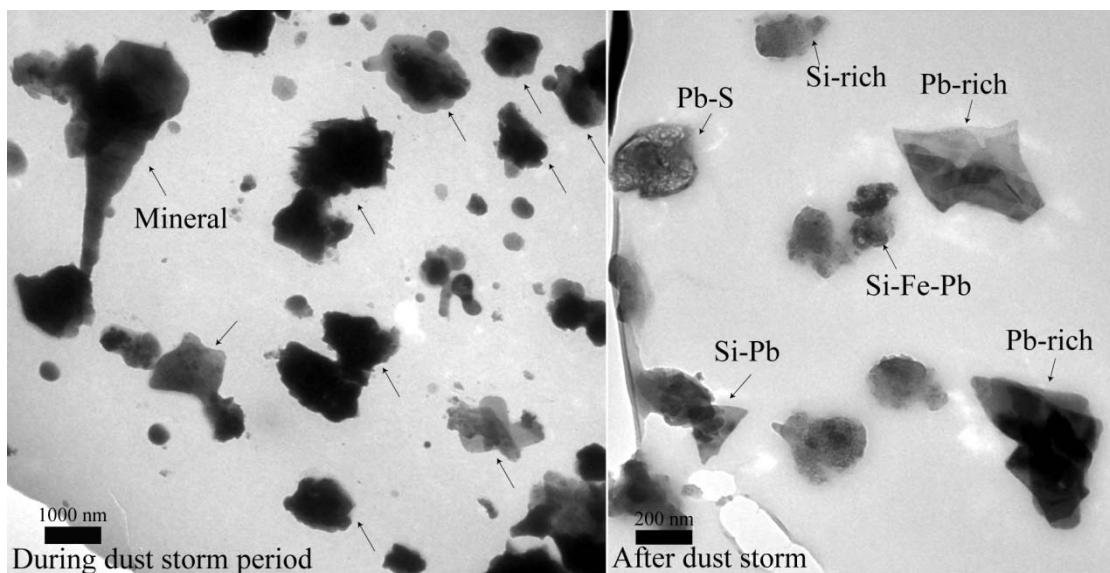


Figure S1 Low magnification TEM image of crustal mineral particles during dust storm and metal particles immediately after dust storm.