

Sample ID	A	B	C	D	E	F	G	H	I	J	K	L	M
Date (YYYY/MM/DD)	2008/12/13	2008/12/20	2008/12/21	2008/12/22	2009/01/08	2009/01/09	2009/01/10	2009/01/13	2009/01/14	2009/01/16	2009/01/17	2009/01/19	2009/01/26
Start time	09:13	14:52	12:14	05:25	14:45	06:29	16:33	09:56	09:56	00:50	12:35	10:37	05:49
Stop time	09:43	15:27	12:34	05:55	15:25	06:49	16:53	10:31	10:51	02:00	13:40	11:37	06:49
Period (min)	30	35	20	30	40	20	20	35	55	70	65	60	60
Latitude (° S)	12.5	41.3	44.6	44.9	38.5	42.6	50.2	60.0	62.0	65.0	67.7	65.0	66.6
Longitude (° E)	72.7	40.4	36.9	36.8	21.2	22.4	27.5	38.0	38.1	38.0	38.0	42.0	67.7
Wind speed (m s <sup>-1</sup> )	8.6	11.5	14.3	5.8	9.1	5.8	13.4	15.9	10.3	11.5	2.3	3	7.2
Analyzed particle number													
Stage 1	271	32	84	139	216	201	412	122	272	96	73	18	78
Stage 2	192	2116	280	488	963	447	1478	357	703	706	722	6252	2634
Total	463	2148	364	627	1179	648	1890	479	975	802	795	6270	2712
Analyzed particle diameter (µm)*													
Mean	0.65	0.29	0.34	0.28	0.30	0.35	0.33	0.34	0.33	0.27	0.26	0.23	0.23
25th percentile	0.41	0.24	0.24	0.22	0.25	0.26	0.24	0.24	0.25	0.21	0.21	0.18	0.18
75th percentile	0.87	0.35	0.47	0.44	0.41	0.64	0.48	0.52	0.49	0.38	0.37	0.30	0.31
Soot-containing particle number*													
Total	5	7	2	5	8	2	3	10	4	3	1	2	3
Bare type	1	1	1	2	2	0	1	4	1	0	0	0	0
Mixed type	4	6	1	3	6	2	2	6	3	3	1	2	3
Satellite type	0	0	0	0	0	0	0	1	2	1	0	1	3
Number fraction of soot-containing-particles to all particles (%)*	1.1	0.33	0.55	0.80	0.68	0.31	0.16	2.1	0.41	0.37	0.13	0.03	0.11