Table S1. The small ion concentrations, chemical composition, and ion size distribution measurements: the first column on the left hand side indicates the reference, the second, third and fourth columns describe the site location and the measurement periods are in the fifth column, the air mass types in the sixth and the measurement altitudes and positions in the seventh columns.

Reference	Site	Latitude	Longitude	Date	Air mass type	Platform
1. Aplin & Harrison 2000	-Mace Head, Irland	-N53 19	-W9 54	-27 June 1999	-Marine	-Land
	-Reading Univ. Meteorology field station, England	-N51 45	-W0.9	-6 Oct. 1999	- Urban	-At 1.25 m height (66 m ASL)
2. Arnold et al. 1978	South-West France	-	-	12, 26 Sept, 10 Nov 1977	-	Stratosphere 33-37 km
3. Arnold 2008	Laboratory, flight over Central Europe	-	-	-	-	Troposphere 8 km
4. Asmi et al. 2009a	Laboratory	-	-	January-February 2008	Calibration	-
5. Asmi et al. 2009b	Antarctica	S73 03	W13 25	12/2006-01/2007	Marine/ Continental	Land (470m ASL)
6. Blanchard 1966	Shore of Hawaii	-	-	1961-1962	Marine	Land
7. Dhanorkar & Kamra 1992	Pune, India	N18 32	E73 51	2 March- 15 May 1990	Urban/rural	Land at 1 m height (559 m ASL)
8. Dhanorkar & Kamra 1993a	Pune, India	N18 32	E73 51	14-14 March and 8-9-May 1991	Urban/rural	Land at 1 m height (559 m ASL)

9. Dhanorkar & Kamra 1993b	Pune, India	N18 32	E73 51	February 1990-January 1991	Urban/rural	Land at 1 m height (559 m ASL)
10. Dhanorkar & Kamra 1994	Pune, India	N18 32	E73 51	14-14 March and 8-9-May 1991	Urban/rural	Land at 1 m height (559 m ASL)
11. Duplissy et al. 2010	CERN laboratory	-	-	-	CLOUD experiment	-
12. Ehn et al. 2010	SMEAR II, Finland	N61 51	E24 17	30 Apr.-8 May 2009	Urban	(181 m ASL)
13. Eichkorn et al. 2002	Central Europe	-	-	8 flights in summer 2000	-	aeroplane Falcon, 9000-10000m
14. Eichmeier & von Berckheim 1979	shore at San Sebastian	-	-	-	Marine	Moving car, at ca. 2 m height
15.-16. Eisele 1989a, b	Forestry Commision site, Dawsonville, Georgia	-	-	30 Sept.-18 Nov. 1987	Rural	Above the mobile laboratory
17. Eisele et al. 2006	-Jefferson Street sampling site, Atlanta, Georgia	-N33 45	-W84 23	-Summer 2002	-Urban	-Meter above the mobile laboratory
	-NCAR Marshall field site, Boulder, Colorado	-N40 1	-W105 17	-Summer/fall 2004	-Urban	-Meter above the mobile laboratory
18. Enghoff et al. 2008	Laboratory	-	-	-	-	-

19. Fews et al. 2005	20 km out of Bristol, UK	-	-	-	Rural	-
20. Gagné et al. 2008	SMEAR II, Finland	N61 51	E24 17	22 Sep 2005-22 Sep 2006	Rural continental	Land (181 m ASL)
21. Gagné et al. 2009	SMEAR II, Finland	N61 51	E24 17	April 2005-Dec 2007	Rural continental	Land (181 m ASL)
22. Harrison & Aplin 2001	Reading Univ. Meteorology field station, England	N51 45	W0.9	October 1999 February 2000	Urban	(66 m ASL)
23. Gopalakrishnan et al. 2005	South West coast of India	N9.2	E74.5	23 May-5 June 2003	Marine	On boat (9 m ASL)
24. Harrison & Aplin 2007	Reading Univ. Meteorology field station, England	N51 45	W0.9	7 days in May-June 2005	Urban	Land at 1m height (66 m ASL)
25. Haverkamp et al. 2004	Laboratory	-	-	-	-	-
26. Hirsikko et al. 2005	SMEAR II, Finland	N61 51	E24 17	April 2003-April 2004	Rural continental	Land at 1.6 m height (181 m ASL)
27. Hirsikko et al. 2007a	SMEAR II, Finland	N61 51	E24 17	April 2003-March 2006	Rural continental	Land (181 m ASL)

28. Hirsikko et al. 2007b	Helsinki, Finland	N60 10	E24 57	7-28 July 2004 (indoor) 30 July-7 Sep 2004 (outdoor)	Urban	Land at 2 m height (30 m ASL)
29. Hirsikko et al., 2007c	SMEAR II Finland	N61 51	E24 17	March 2000- June 2006	Rural continental	At 1.5 m (external radiation) & at 6 m (radon) height (181 m ASL)
30. Hõrrak et al. 1994	Tahkuse & Tartu, Estonia	N58 31	E24 56	1984-1989 (various measurement periods)	Rural continental	Land at 3/5 m height (37 m ASL)
31. Hõrrak et al. 1998a	Tahkuse, Estonia	N58 31	E24 56	14 April – 16 May 1994	Rural continental	Land at 5 m height (37 m ASL)
32. Hõrrak et al. 1998b, 33. Hõrrak et al. 2000, 34. Hõrrak et al. 2003	Tahkuse, Estonia	N58 31	E24 56	September 1993 – October 1994	Rural continental	Land at 5 m height (37 m ASL)
35. Hõrrak et al. 2008	SMEAR II, Finland	N61 51	E24 17	31 March-29 April 1999	Rural continental	Land at 2 m height (181 m ASL)
36. Iida et al. 2006	Boulder, Colorado, USA	N40 1	W105 17	March – September 2004, May – October 2005	Urban continental	Land, ground level
37. Iida K. et al. 2008	Tecamac, Mexico	N19 40	W98 54	15 – 31 March 2006	Urban continental	Land
38. Jayaratne et al. 2010	Australia & laboratory	-	-	-	Urban/road side	Land at 0.8 m height
39. Junninen et al. 2008	SMEAR II, Finland	N61 51	E24 17	1 April 2003- 21 Dec 2006	Rural continental	Land (181 m ASL)

40. Junninen et al. 2010	SMEAR III, Finland	N60 12	E24 57	Autumn 2009	Urban background	Land
41. Kamra et al. 2009	Maitri, Antarctica	S70 45	E11 44	20 February 2005	Marine/continental	Land
42. Komppula et al. 2007	Baltic Sea region: -Utö -SMAER II -Tahkuse	 -N59 47 -N61 51 -N58 31	 -E21 23 -E24 17 -E24 56	Spring 2004	Marine and continental	-At 2 m height (8 m ASL) -At 2 m height (181 m ASL) -At 5 m height (37m ASL)
43. Kulmala et al. 2004b	SMEAR II, Finland	N61 51	E24 17	15 Mar. - 10 Apr. 2004	Rural continental	Land (181 m ASL)
44. Kulmala et al. 2005	SMEAR II, Finland	N61 51	E24 17	25 – 27 March 2003	Rural continental	Land
45. Kulmala et al. 2007	-SMEAR II, Finland -Birmingham, UK	-N61 51 - N52 27	-E24 17 -W1 44	spring 2006	-Rural continental -Urban continental	-Land (181 m ASL) -Land
46. Kulmala et al. 2009	-SMEAR II -Hohen-peissenberg -Melpitz -Falcon	-N61 51 -N47 48 -N51 32 -	-E24 17 -E11 01 -E12 54 -	-1996-2008 -20 July 2007-28 Dec 2008 -April 2008-May 2009 -2 May-24 May 2008	-Rural continental -Rural continental -Rural polluted continental -	-Land (181 m ASL) -18m height (985m ASL) -Land (87m ASL) -aeroplane, over middle and west Europe
47. Laakso et al. 2004a	SMEAR II, Finland	N61 51	E24 17	20 March – 11 April 2003	Rural continental	Land

48. Laakso et al. 2004b	SMEAR II, Finland	N61 51	E24 17	24-29 March	Rural continental	Land at 1.6 m height (181 m ASL.)
49. Laakso et al. 2007a	SMEAR II, Finland	N61 51	E24 17	Spring 2005	Rural Continental	Land at 2 and 9 m height, (181m ASL)
50. Laakso et al. 2007b	Helsinki, Finland	N60 12.17	E24 57.67	November 2005	Urban/waterfall	Land (30 m ASL)
51. Laakso et al. 2007c	SMEAR II, Finland	N61 51	E24 17	10 – 17 March 2006	Rural continental	Land & airborne (hot-air balloon: 0-2000 m from the ground)
52. Laakso L. et al. 2008 53. Vakkari et al. 2010	South Africa	S25 54	E25 75	-23 July 2006-23 July 2007 -20 July 2006-5 Feb 2008	Rural continental	Land (1424 m ASL)
54. Lee et al. 2008	Tumbarumba, Australia	S35 39	E148 09	July 2005 – March 2007	Continental	Land (at 1.5 m height 1200 m ASL.) and aircraft
55. Lehtipalo et al. 2009	SMEAR II, Finland	N61 51	E24 17	15 March-26 June 2007, May 2008	Rural continental	Land (181m ASL)
56. Lihavainen et al. 2007	Sammaltunturi Finland	N67 58	E24 07	20 October – 9 November 2004	Rural continental	Land (565 m ASL)
57. Ling et al. 2010	Australia	-	-	12 h on day time	32 Urban sites	At 1 m height
58. Lähde et al. 2009	Laboratory	-	-	-	Engine exhaust	-
59. Manninen et al. 2009a	SMEAR II, Finland	N61 51	E24 17	One year 2006-2007	Rural continental	Land (181 m ASL)

60. Manninenet et al. 2009b	SMEAR II, Finland	N61 51	E24 17	6 March-30 June 2007	Rural continental	Land (181 m ASL)
61. Manninen et al. 2010	-Pallas, Finland PAL	-N67 58	-E24 07	-23.4.2008-7.4.2009	-high elevation, remote continental	-560 m ASL
	-Hyytiälä, Finland HTL	-N61 50	-E24 18	-1.3.2008-31.4.2009	-rural continental, background	-182 m ASL
	-Vavihill, Sweden VHL	-N56 01	-E13 09	-23.4.2008-25.2.2009	-rural background, continental	-172 m ASL
	-Mace Head. Irland MHD	-N53 19	-E09 53	-13.6.2008-7.5.2009	-marine background, coastal	-5 m ASL
	-Cabauw, Netherland CBW	-N51 57	-E04 53	-16.4.2008-31.3.2009	-clean marine/ rural polluted	-0 m ASL
	-Melpitz, Germany MPZ	-N51 32	-E12 54	-30.4.2008-19.4.2009	-rural polluted, continental	-87 m ASL
	-Hohenpeissenberg, Germany HPB	-N47 48	-E11 00	-6.3.2008-26.2.2009	-high elevation, background	-980 m ASL
	-K-Puszta, Hungary KPO	-N46 58	-E19 35	-10.3.2008-26.2.2009	-rural continental, background	-125 m ASL
	-Jungfraujoch, Switzerland JFJ	-N46 32	-E07 57	-8.4.2008-20.4.2009	-high altitude, background	-3580 m ASL
	-Puy de Dôme, France PDD	-N45 42	-E03 13	-2.4.2008-5.5.2009	-high elevation, background	-1465 m ASL
	-San Pietro Capofiume, Italy SPC	-N44 37	-E11 40	-12.3.2008-31.10.2008	-rural polluted, continental	-11 m ASL
	-Finokalia, Greece FKL	-N35 20	-E25 40	-3.4.2008-14.4.2009	-marine background, coastal	-250 m ASL

62. Mirme et al. 2009	over middle and west Europe	-	-	2 May-24 May 2008	-	aeroplane, Falcon
63. Misaki 1961b	-Meteorological institute in Tokyo	-N35 40	-E139 46	In 1960	-Urban, polluted	-
	- Shinano-Oiwake Branch Office at Karuizawa	-	-		-Rural	- (1000m ASL)
64. Modini et al. 2009	Agnes Water, Australia	W151 9	S24 2	March/April 2007	Marine/coastal	Land at 5 m ASL.
65. Nagaraja et al. 2003	Pune, India	N18	E74	Dec 1997-Dec 2000	Urban/rural	Land at 1 m height (559 m ASL)
66. Nagato et al. 1999	Boulder, Colorado, US	N40 1	W105 17	10 December 1996 – 3 January 1997	Urban continental	Land (1770 m ASL)
67. Nieminen et al. 2009	SMEAR II, Finland	N61 51	E24 17	6 March-30 June 2007	Rural continental	Land (181 m ASL)
68. Norinder and Siksna 1950	University of Uppsala, Sweden	-	-	summer of 1949	Urban	-
69. Pawar et al. 2005, 70. Siingh et al. 2005	Arabian Sea	a) N16.9 (N15-N17) b) N15.4 (N14.4-N8.3) c) N9.2 (N8.3-N16.9) d) N9.2 (N7.5-N12.5)	a) E71.2 (E69.5-E73.3) b) E72.2 (E71.5-E72.7) c) E74.5 (E76.3-E72.5) d) E74.5 (E71.4-E76.4)	a) June- July 2002 b) July-Aug. 2002 c) March-April 2003 d) May-June 2003	Marine	On ship (9 m ASL): stationary and cruises

71. Reiter 1985	Garmisch-Partenkirchen, Germany	N47	E11	1973-1978	Continental	Land (740 m & 1780 m ASL)
72. Retalis et al. 2009	Athens, Greece	N37 58	E23 43	1968-1984	Urban	107 m ASL.
73. Retalis & Pitta 1989	Athens, Greece	N37 58	E23 43	April-May 1896	Urban	107 m ASL.
74. Ruuskanen et al. 2007	Värriö, Finland	N67 46	E29 35	26 April – 11 May 2003	Rural continental	Land (390 m ASL)
75. Siingh et al. 2007	Maitri, Antarctica	S70 45	E11 44	January – February 2005	Continental	Land at 0.5 m height (130 m ASL)
76. Sipilä et al. 2008	SMEAR II, Finland	N61 51	E24 17	March – June 2007	Rural continental	Land
77. Smirnov et al. 1998	Zigler Island, Arctic	N81 04		5 March – 7 April 1994	Arctic, marine	Land
78. Suni et al. 2008	Tumbarumba/ Australia	S35 39	E148 09	June 2005-October 2006	Marine/Continental	Land at 1.5 m height (1200 m ASL)
79. Svenningsson et al. 2008	Stordalen mire, Abisko, Sweden	N68 35	E19 05	July 2005-September 2006	Rural	Land at 1.7 m height (360 m ASL)
80. Tammet et al. 2006	SMEAR II Finland	N61 51	E24 17	17-18 August 2005	Rural continental	At 2 m & 14 m height (181 m ASL)

81. Tammet et al. 2009	-SMEAR II -Tartu -Laboratory	-N61 51 -N58 23 -	-E24 17 -E26 43 -	20 Mar 2003-27 Dec 2006 2 Apr 2004-27 Dec 2006	-Rural continental -Urban -	-Land (181 m ASL) -Roof (72 m ASL) -
82. Tiitta et al. 2007	Kuopio, Finland	N62 53	E27 38	16 June – 2 July 2004	Urban	Land
83. Vana et al. 2004	-Värriö and -SMEAR II, Finland; -Tahkuse, Estonia	-N67 46 -N61 51 -N58 31	-E29 35 -E24 17 -E24 56	28 March – 2 May, 2000; 20 March – 16 May 2001; 18 September – 19 November 2001	Rural continental	Land
84. Vana et al. 2006	SMEAR II, Finland	N61 51	E24 17	22 March – 9 April 2003	Rural continental	Land
85. Vana et al. 2006b	Jungfraujoch, Switzerland	N46 32	E7 59	2 Feb – 16 Apr 2005	Rural continental	3580 m ASL.
86. Vana et al 2007	Cruise from Bremerhaven, Germany to Antarctica	-	-	3 Nov – 9 Dec 2004	Marine	From bridge at 30 m ASL.
87. Vana et al. 2008	Mace Head, Ireland	N53 19	W9 54	8 January – 31 December 2006	Marine	Land
88. Vartiainen et al. 2007	Railroad Moscow-Vladivostok			4 – 8 October 2005	Continental	Land (on railway)
89. Venzac et al. 2007	Puy de Dome, France	N45 46	E2 57	25 February – 31 May 2006	Continental	Land ca. at 2 m (1465 m ASL)

90. Venzac et al. 2008	Pyramid mountain in Himalaya, Nepal	N27 57	E86 48	25 February – 8 March 2007	Continental	Land (5079 m ASL)
91. Virkkula et al. 2007	Aboa, Antarctica	S73 03	W13 25	14 Dec. 2004 – 30 Jan. 2005	Continental	Land (470 m ASL)
92. Wilding and Harrison 2005	Weyborne, Norfolk, UK	N52 57	E1 7	11 – 17 May 2004	Marine	Land
93. Yli-Juuti T. et al. 2009	K-puszta, Hungary	N46 58	E19 35	22 May-29 June 2006	Rural continental	Land (125 m ASL)

Table S2. Radon activity concentration, related ion production rate and total calculated ion-pair production rate reported together with the small ion concentrations: The first column shows the reference number, the second column the site, the third column measured radon activity concentration (disintegrations per second in m^3= Bqm^{-3}), the fourth column the corresponding ionisation rate by radon assuming that 34 eV is needed to brake an electron ion pare, and the fifth column gives the total ionisation rate based on balance equation.

Reference No.	Site	Radon activity concentration (Bqm^{-3})	Ionisation rate by radon decay (ion pares $cm^{-3}s^{-1}$)	Total calculated ionisation rate (ion pares $cm^{-3}s^{-1}$)
47.	Hyytiälä, Finland	-	4.5 (total average)	2.6 (average)
80.	Hyytiälä, Finland	-	-	5.6 at 2 m 3.9 at 14 m
29.	Hyytiälä, Finland (at 6 m height)	Median: 1.49 Mean: 1.84	Median: 0.9 Mean: 1.1 (via external radiation Median: 9.5 Mean: 8.7)	-
34.	Tahkuse, Estonia	2-25	1.2-14.7	-
42.	Utö, Finland Hyytiälä, Finland Tahkuse, Estonia			1.1-7.1 (Utö) 4.6-9.4 (Hyytiälä) 1.4-4.1 (Tahkuse)
89.	Puy de Dôme, France	5-30	2.9-17.7	-
90.	Himalaya, Nepal	-	-	9
10.	Pune, India (at 1 m height)	-	-	2-117
65.	Pune, India (at 1 m height)	Mean: ca. 5-130	Mean: ca. 2-40	-
78.	Tumbarumba, Australia	9-102	5.3-60.1	-

Table S3. Formation and growth rates of 2-nm particles, and small ion concentrations: The first column on the left hand side shows the reference, the second column shows the number of new particle formation events of positively (Pos), negatively (Neg) charged particles and the whole population (All), the third column gives the formation rate (J_2^+[ion]) and growth rate (GR^+[ion]) of 2-nm positive ions, the fourth column J_2^-[ion] and GR^-[ion] for the negative 2-nm ions and the fifth column shows the formation by ion-ion recombination and the sixth column shows the total formation rate (J_2[tot])of 2-nm particles. The seventh and eight columns show number concentrations of positive (Pos) and negative (Neg) small ions.

Reference No	NPF Pos / Neg / All	J_2^+[ion] (cm^{-3} s^{-1}) / GR^+[ion] (nm h^{-1})	J_2^-[ion] (cm^{-3} s^{-1}) / GR^-[ion] (nm h^{-1})	J_2[ion] (cm^{-3} s^{-1}) recombination	J_2[tot] (cm^{-3} s^{-1})	Pos concentration (cm^{-3})	Neg concentration (cm^{-3})
1. results from England	-	-	-	-	-	-	-1000-2500 mean: 1760 (> 1.08 cm^2 V^{-1} s^{-1}) -1000-3000 mean: 1820 (> 0.77 cm^2 V^{-1} s^{-1})
3.	-	3-25 (tot. ion induced) / -	3-25 (tot. ion induced) / -	-	-	-	-
5.	4 / 5 / 6	-	0,3±0,1 / 1,5 (one day studied)	0,10±0,04 (one day studied)	1,3±0,1 (one day studied)	-	-
7.	-	-	-		-	100-1500 (≥ 0.75 $cm^2V^{-1}s^{-1}$)	200-1500 (≥ 0.75 $cm^2V^{-1}s^{-1}$)
9.	-	-	-	-	-	200-5000 (≥ 0.75 $cm^2V^{-1}s^{-1}$)	200-5000 (≥ 0.75 $cm^2V^{-1}s^{-1}$)
14.	-	-	-	-	-	mean: 250 (> 0.9 $cm^2V^{-1}s^{-1}$)	mean: 650 (> 0.9 $cm^2V^{-1}s^{-1}$)
17.	-	-	< 1 (< 40%) (tot. ion induced, $J_{3.5}$, one day studied)	-	-	0-125 (1.7-2.7 nm)	0-125 (1.7-2.7 nm)

19.	-	-	-	-	-	- out: median: 248 -in: median: 1180-1250	-out: median: 208 -in: medians: 938-1090
20.	81	-	-	-	-	-	-
21.	246	-	-	-	-	-	-
23.	-	-	-	-	-	-	500-2500 (<1.45 nm, pos & neg)
24.	-	-	-	-	-	max: 200	max: 200
26.	70 (DMPS)	- / median: < 3	- / median: < 3	-	-	200-1500 mean: 607-889 (<1.6 nm)	200-1500 mean: 593-881 (<1.6 nm)
27.	226(22%) / 270(26%) / 276 (27%)	-	-	-	-	-	-
28.	out: 15 in: every day, except one day	- / out: 1.8 - / in: 2.3-4.9	- / out: 2.3 - / in: 2.8-4.8	-	-	-out: workday/weekend max: 2452/2417 mean: 627/ 653 median: 590/632 -in: max: 3651/2601 mean: 1019/1396 median: 966/1357 (<1.8 nm)	-out: max: 4781/2645 mean: 683/ 720 median: 630/ 696 -in: max: 5987/4075 mean: 1127/1389 median: 1065/1376 (<1.8 nm)

30.	4% of the the whole period	-	-	-	-	300-800	300-800
31.	yes	-	-	-	-	mean: 229-309	mean: 190-272
32.	14% of the measurement period	0.1	-	-	-	-	-
33.	-	-	-	-	-	50% range: 210-319 mean: 274 median: 259 max1167	50% range: 183-290 mean: 245 median: 231 max: 990
34.	-	-	-	-	-	80% range: 150-600	-
35. - During NPF -During non-NPF	-	-	-	-	-	-110-1180 mean: 530 median: 510 -120-1180 mean: 420 median: 410	-
36. Reanalysed by authors	19 analyzed	0.2-0.7 average: 0.2 (J_1) / -	0.1 – 0.6 average: 0.2 (J_1) / -	-	3-31 average: 13 (J_1)	geom. mean: 515 in 2004 geom. mean: 544 in 2005	geom. mean: 454 in 2004 geom. mean: 437 in 2005
37. Reanalysed by authors * Assumption of identical contribution in	13	0.00-0.48* average: 0.08 (J_1)	0.00-0.48* average: 0.08 (J_1)	-	45 – 5011 average: 1603(J_1)	geom. mean: 266	geom. mean: 209

particle formation							
38.	-	-	-	-	-	In laboratory: up to 3e4 Background: mean: 50 ± 17 Motorway: mean:569 ± 316 City-Road: mean: 309 ± 172	In laboratory: up to 3e4 Background: mean: 219 ± 97 Motorway: mean: 642 ± 269 City-Road: mean: 294 ± 218
39.	229 / 275 (nocturnal)	-	-	-	-	-	-
41.	-	-	-	-	-	10-400	-
42.	Utö: 9; Hyytiälä: 13; Tartu: 9	-	-	-	-	mean: 250 (Utö); mean: 840 (Hyy); mean: 390 (Tah)	mean: 280 (Utö); mean: 770 (Hyy); mean: 280 (Tah)
43.	20	- / < 5	- / <4	-	-	-	-
45.	4	0.03 – 0.04 / -	0.02 – 0.07 / -	-	0.8 – 2.8 / -	-	-
46.	Yes	-	-	-	0.02-60	1-10 (2.5-3 nm)	1-10 (2.5-3 nm)
48.	yes	-	-	-	-	200 - 1000	200 – 1000
50.	34	-	-	-	-	-	-
51.	5	-	order of 10^{-6} / 1 – 1.8	-	-	0-65 (1.5-3nm, height dependence)	0-75 (1.5-3nm, height dependence)
52.	-90 % of days	-	-	-	-	-	-

53. Concentrations reanalysed by authors	-83 % of days	-0.02-1.1 mean: 0.2 median: 0.2 / 1.4-31 mean: 7.5 median: 6.2	-0.02-0.9 mean: 0.2 median: 0.2 / 1.4-31 mean: 7.5 median: 6.2	-average: 0.07	-	median: 660 mean: 830	median: 800 mean: 960
54.	on 30% of the nights	-	-	-	-	2000 (pos. & neg.)	
56. -clear sky -in cloud	-	-	-	-	-	-347-1754 mean: 973 -35-485 mean:135	-418-1978 mean: 1182 -45-595 mean: 175
57. a) Parks b) Woodlands c) City center d) Residential e) Freeways	-	-	-	-	-	a) 50% range: 36-70 median: 50 b) 50% range: 238-336 median: 301 c) 50% range: 68-128 median: 99 d) 50% range: 556-656 median: 601 e) 50% range: 413-564 median: 481	a)50% range: 212-407 median:219 b)50% range: 337-483 median: 424 c)50% range: 158-327 median: 251 d)50% range: 304-406 median: 361 e)50% range: 518-676 median: 589
59.	100	-	-	-	-	1-100 (1.8-3 nm)	1-100 (1.8-3 nm)

60.	54 (DMPS)	median from different devices: 0.1-0.9 / -	median from different devices: 0.1-0.12 / median, includes pos. & neg.: 0.58-7.66	median from different devices: 0.002-0.02	median from different devices: 0.26-5.24	-	-
61.	Fraction of events (%)	Medians	Medians	-	Medians	-	-
-PAL	-23	-0.15 / 3.8	-0.08 / 3.8		-1.2		
-HTL	-24	-0.05 / 1.6	-0.06 / 1.6		--		
-VHL	-28	-0.03 / 2.0	-0.05 / 2.0		--		
-MHD	-54	-0.11 / 5.5	-0.16 / 5.5		-11.8		
-CBW	-35	-0.10 / 3.8	-0.12 / 3.8		-32.4		
-MPZ	-58	-0.10 / 2.6	-0.10 / 2.6		-23.1		
-HPB	-35	-0.09 / 4.8	-0.09 / 4.8		-3.0		
-KPO	-53	-0.05 / 3.6	-- / 3.6		--		
-JFJ	-29	-0.07 / 3.7	-0.16 / 3.7		-0.9		
-PDD	-34	-0.14 / 3.5	-0.06 / 3.5		--		
-SPC	-48	-0.06 / 1.5	-0.06 / 1.5		--		
-FKL	-26	-0.02 / 2.7	-0.08 / 2.7		--		

62.	-	-	-	-	-	50-300 (height dependent)	20-300 (height dependent)
63.	-	-	-	-	-	-Tokyo: 200-500 -Karuizawa: 100-600	-Tokyo: 200-650 -
64.	12	- / 0.9-1.7	- / 0.4-6	-	-	-	-
67.	54 (DMPS)	-	-	-	0.001-20		
68.	-	-	-	-	-	mean: 1200-1500 max: 3000	mean: 1200-1500 max: 3000
69.						a) 300-2000 b) 100-800 c) 300-2000 d) 700-3000	Pos & neg. , daily average
71.	-	-	-	-	-	median:330 at 740 m ASL; median: 275 at 1780 m ASL	median: 75 at 740 m ASL; median: 110 at 1780 m ASL
72.	-	-	-	-	-	mean:188.8	mean: 151.1
73.	-	-	-	-	-	Normal level: 200 After radioactive plume: 700	-
74.	3	- / 1	- / 1	-	0.1	-	-

70.	-	-	-	-	-	stationary/cruise a)mean: 842/935 b)mean: 373/371 c)mean: 895/1106 d)mean: 1515/1308	-
75.	-	-	-	-	-	daily mean : 200 – 600	-
76.	-	-	-	-	-	1200 – 2700 (pos. & neg.)	
77.	-	-	-	-	-	3 hour averages: 1000-2000	3 hour averages: 1000-2000
78.	on 52% analysed days, on 32 % analysed nights	- / 2.68	- / 2.89	-	-	mean: 1700	mean: 2400
79.	44 out of 175 (26%, AIS) / 77 out of 195 (40%, DMPS)	- / 1-40 (1-10 mn)	- / 1-40 (1-10 nm)	-	-	700-3500 mean: 1650	1000-5000 mean: 2380
80. - at 2 m height - at 14 m height	-	-	-	-	-	-630-950 mean: 813 -430-770 mean: 541	-500-800 mean: 678 -380-550 mean: 462
82.	-	-	-	-	-	60 – 720 mean: 280	50 – 1000 mean: 320
83.	50 (Värriö); 52 (Hyytiälä); 45 (Tahkuse)	-	- / 2.2-5.4 (1.6-20 nm, Tahkuse)	-	-	-	-

84.	17	- / 2-4 (3-5 nm)	- / 2-4 (3-5 nm)	-	4 - 12	-	-
85.	-	-	-	-	-	mean: 480 median: 480	mean: 190 median: 140
86.	1	-	-	-	-	100-600 max: ca. 800 mean: 320 median: 310	100-600 max: ca. 800 mean: 250 median: 230
87.	207	-	-	-	-	max: 2000 median: 384 mean: 423	max: 2000 median: 403 mean: 440
88.	2	- / 2.4	- / 2.4	-	-	100 – 2000	200 – 5000
89.	42	- / 4.5 (1 event)	- / 4.0 (1 event)	-	-	10-1000 max: ~3000 median: 100 (cloud) median: 400 (clear sky)	10-1000 max: ~5000 median: 400 (cloud) median: 700 (clear sky)
90.	11 out of 13	- / -	- / mean, pos. & neg.: 1.8	-	-	-	max: 3000
91.	11 / 11 / 18	- / -	- / median: 1.1	-	-	95% range: 74-2031 median: 385	95% range: 57-2103 median: 524
92.	-	-	-	-	-	-	500 – 2500
93.	18 / 20 / 26	- / 1.0-4.6	- / 1.0-4.6	-	-	median: 413 (<1.8 nm)	median: 592 (<1.8 nm)