EMEP/CCC-Report 4/99

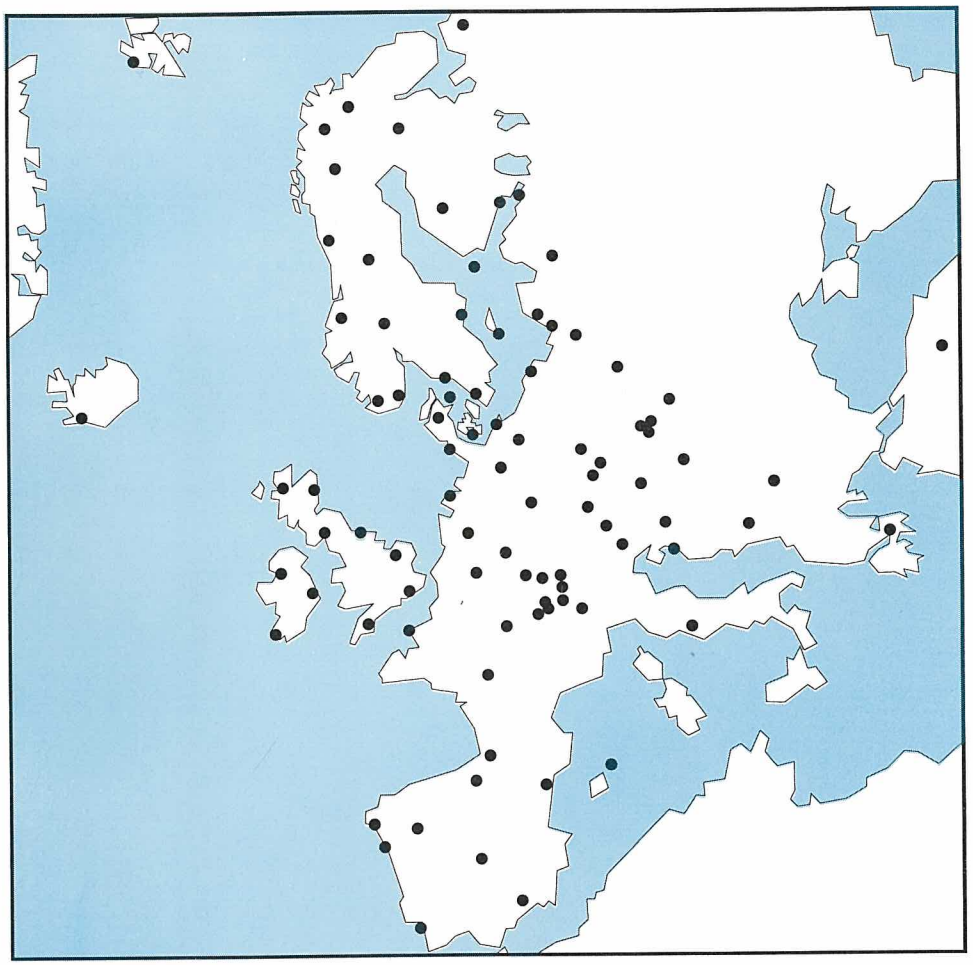
EMEP

CO-OPERATIVE PROGRAMME FOR MONITORING AND EVALUATION OF THE LONG RANGE TRANSMISSION OF AIR POLLUTANTS IN EUROPE

Data Report 1997

Part 2: Monthly and seasonal summaries

A.-G. Hjellbrekke



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NILU : EMEP/CCC-Report 4/99
REFERENCE : O-7727
DATE : JULY 1999

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1. Introduction

The preparatory phase of the "Co-operative programme for monitoring and evaluation of the long range transmission of air pollutants in Europe" (EMEP), started 1 October 1977. The first measurement phase was run from 1 January 1978 to 31 December 1980, and the second, third, fourth and fifth phases during the periods 1981–1983, 1984–1986, 1987–1989 and 1990-1994 respectively. 1997 was the third year in EMEP´s sixth measurement phase.

The EMEP data from 1997 for the main components in air and precipitation have been presented in two reports. Part 2, contained in this volume, gives the seasonal and monthly summaries. Part 1, contained in EMEP/CCC-Report 3/99, gives the annual summaries of the data from 1997.

In total, precipitation data from 81 stations and air data from 94 stations are presented in this report. The total number of measurement sites in this report is 99.

The air and precipitation samples were analysed at the laboratories in the participating countries and the results have been forwarded to the Chemical Co-ordinating Centre (CCC) at the Norwegian Institute for Air Research (NILU).

2. The measurement network

The location of the measurement sites which have delivered data during 1997 are given in Table 1 and Figure 1. In addition to the network presented here, there are additionally sites with ozone measurements.

In some parts of Europe, the site density is low and highly unsatisfactory. There is a need for more sites esqpecially in the Mediterranean region and in the eastern parts of Europe.

Data have not been reported from Belgium since 1992. In Greece there are no sites with precipitation measurements and only one site with air measurements. Data from this site do not meet the criteria for data capture. There is also a need for more sites in Turkey, Italy and Cyprus.

Table 1: List of EMEP monitoring stations in operation in 1997.

Country	Station codes		Station name	Location		Height above sea
	New	Old		Lat.	Long.	(m)
Austria	AT2	A2	Illmitz	47°46'E	16°46'E	117
	AT4	A4	St. Koloman	47°39'N	13°12'E	851
	AT5	-	Vorhegg	46°40'N	12°58'E	1020
Czech Rep.	CS1	CS1	Svratouch	49°44'N	16°02'E	737
	CS3	CS3	Kosetice	49°35'N	15°05'E	633
Denmark	DK3	DK3	Tange	56°21'N	9°36'E	13
	DK5	DK5	Keldsnor	54°44'N	10°44'E	9
	DK8	DK8	Anholt	56°43'N	11°31'E	40
Estonia	EE9	SU9	Lahemaa	59°30'N	25°54'E	32
	EE11	SU11	Vilsandi	58°23'N	21°49'E	6
Finland	FI4	SF4	Ähtari	62°33'N	24°13'E	162
	FI9	SF9	Utö	59°47'N	21°23'E	7
	FI17	SF17	Virolahti II	60°31'N	27°41'E	4
	FI22	SF22	Oulanka	66°19'N	29°24'E	310
	FI37	-	Ähtari II	62°35'N	24°11'E	180
France	FR3	F3	La Crouzille	45°50'N	1°16'E	497
	FR5	F5	La Hague	49°37'N	1°50'W	133
	FR8	F8	Donon	48°30'N	7°08'E	775
	FR9	F9	Revin	49°54'N	4°38'E	390
	FR10	F10	Morvan	47°16'N	4°05'E	620
	FR11	F11	Bonnevaux	46°49'N	6°11'E	836
	FR12	F12	Iraty	43°02'N	1°05'W	1300
Germany	DE1	D1	Westerland	54°55'N	8°18'E	12
	DE2	D2	Langenbrügge	52°48'N	10°45'E	74
	DE3	D3	Schauinsland	47°55'N	7°54'E	1205
	DE4	D4	Deuselbach	49°46'N	7°03'E	480
	DE5	D5	Brotjacklriegel	48°49'N	13°13'E	1016
	DE7	D2	Neuglobsow	53°09'N	13°02'E	62
	DE8	D8	Schmücke	50°39'N	10°46'E	937
	DE9	-	Zingst	54°26'N	12°44'E	1
Greece	GR1	GR1	Aliartos	38°22'N	23°05'E	110
Hungary	HU2	H1	K-puszta	46°58'N	19°35'E	125
Iceland	IS2	IS2	Irafoss	64°05N	21°01'W	61
Ireland	IE1	IR1	Valentia Observatory	51°56'N	10°15'W	9
	IE2	IR2	Turlough Hill	53°02'N	6°24'W	420
	IE3	-	The Burren	53°00'N	7°27'W	90
	IE4	-	Ridge of Capard	53°07'N	9°20'W	340
Italy	IT1	I1	Montelibretti	42°06'N	12°38'E	48
	IT4	I4	Ispra	45°48'N	8°38'E	209
Latvia	LV10	SU10	Rucava	56°13'N	21°13'E	18
	LV16	-	Zoseni	57°08'N	25°55'E	183
Lithuania	LT15	SU15	Preila	55°21'N	21°04'E	5
Netherlands	NL9	-	Kollumerwaard	53°20'N	6°17'E	0
	NL10	-	Vreedepeel	51°32'N	5°51'E	28
Norway	NO1	N1	Birkenes	58°23'N	8°15'E	190
	NO8	N8	Skreådalen	58°49'N	6°43'E	475
	NO15	N15	Tustervatn	65°50'N	13°55'E	439
	NO39	N39	Kårvatn	62°47'N	8°53'E	210
	NO41	N41	Osen	61°15'N	11°47'E	440
	NO42	N42	Spitzbergen, Zeppelinfjell	78°54'N	11°53'E	474
	NO55	N42	Karasjok	69°28'N	25°13'E	333

Table 1 cont.:

Country	Station codes		Station name	Location		Height above sea
	New	Old		Lat.	Long.	(m)
Poland	PL2	PL2	Jarczew	51°49'N	21°59'E	180
	PL3	PL3	Sniezka	50°44'N	15°44'E	1604
	PL4	-	Leba	54°45'N	17°32'E	2
	PL5	-	Diabla Gora	54°09'N	22°04'E	157
Portugal	PT1	P1	Braganca	41°49'N	6°46'W	691
	PT3	P3	V. d. Castelo	41°42'N	8°48'W	16
	PT4	P4	Monte Velho	38°05'N	8°48'W	43
Russian Federation	RU1	SU1	Janiskoski	68°56'N	28°51'E	118
	RU13	SU13	Pinega	64°42'N	43°24'E	28
	RU16	-	Shepeljovo	59°58'N	29°07'E	4
Slovenia	SI8	-	Iskrba	45°34'N	14°52'E	520
Slovakia	SK2	CS2	Chopok	48°56'N	19°35'E	2008
	SK4	-	Stará Lesná	49°09'N	20°17'E	808
	SK5	-	Liesek	49°22'N	19°41'E	892
	SK6	-	Starina	49°03'N	22°16'E	345
Spain	ES1	E1	San Pablo	39°33'N	4°21'W	917
	ES3	E3	Roquetas	40°49'N	0°30'W	50
	ES4	E4	Logrono	42°27'N	2°30'W	445
	ES5	-	Noya	42°44'N	8°55'W	685
	ES6	-	Mahon	39°52'N	4°19'E	78
	ES7	-	Viznar	37°14'N	3°32'W	1265
Sweden	SE2	S2	Rörvik	57°25'N	11°56'E	10
	SE5	S5	Bredkälen	63°51'N	15°20'E	404
	SE8	S8	Hoburg	56°55'N	18°09'E	58
	SE11	S11	Vavihill	56°01'N	13°09'E	172
	SE12	S12	Aspvreten	58°48'N	17°23'E	20
	SE13	S13	Esrange	67°53'N	21°04'E	475
Switzerland	CH1	CH1	Jungfraujoch	46°33'N	7°59'E	3573
	CH2	CH2	Payerne	46°48'N	6°57'E	510
	CH3	CH32	Tänikon	47°29'N	8°54'E	540
	CH4	-	Chaumont	47°03'N	6°59'E	1130
	CH5	-	Rigi	47°04'N	8°28'E	1030
Turkey	TR1	-	Cubuk II	40°30'N	33°00'E	1169
United Kingdom	GB2	UK2	Eskdalemuir	55°19'N	3°12'W	243
	GB4	UK4	Stoke Ferry	52°34'N	0°30'E	15
	GB6	UK6	Lough Navar	54°26'N	7°54'W	126
	GB7	UK7	Barcombe Mills	50°52'N	0°02'W	8
	GB13	UK13	Yarner Wood	50°36'N	3°43'W	119
	GB14	UK14	High Muffles	54°20'N	0°48'W	267
	GB15	UK15	Strath Vaich Dam	57°44'N	4°46'W	270
	GB16	UK16	Glen Dye	56°58'N	2°25'W	85
	GB36	-	Harwell	51°34'N	1°18'W	137
	GB37	-	Ladybower	53°23'N	1°45'W	420
	GB38	-	Lullington Heath	50°47'N	0°10'W	120
	GB43	-	Narberth	51°14'N	4°42'W	160
	GB45	-	Wicken Fen	52°18'N	0°18'W	5
Yugoslavia	YU5	YU5	Kamenicki vis	43°24'N	21°57'E	813
	YU8	-	Zabljak	43°09'N	19°08'E	1450

3. Site codes

The site codes used in this report are the new codes as introduced during 1992. The change in relation to the previous, is mainly that ISO codes are used for countries. The station numbers have as far as possible been retained. More details about the change of site codes can be found in the annual report for 1992.

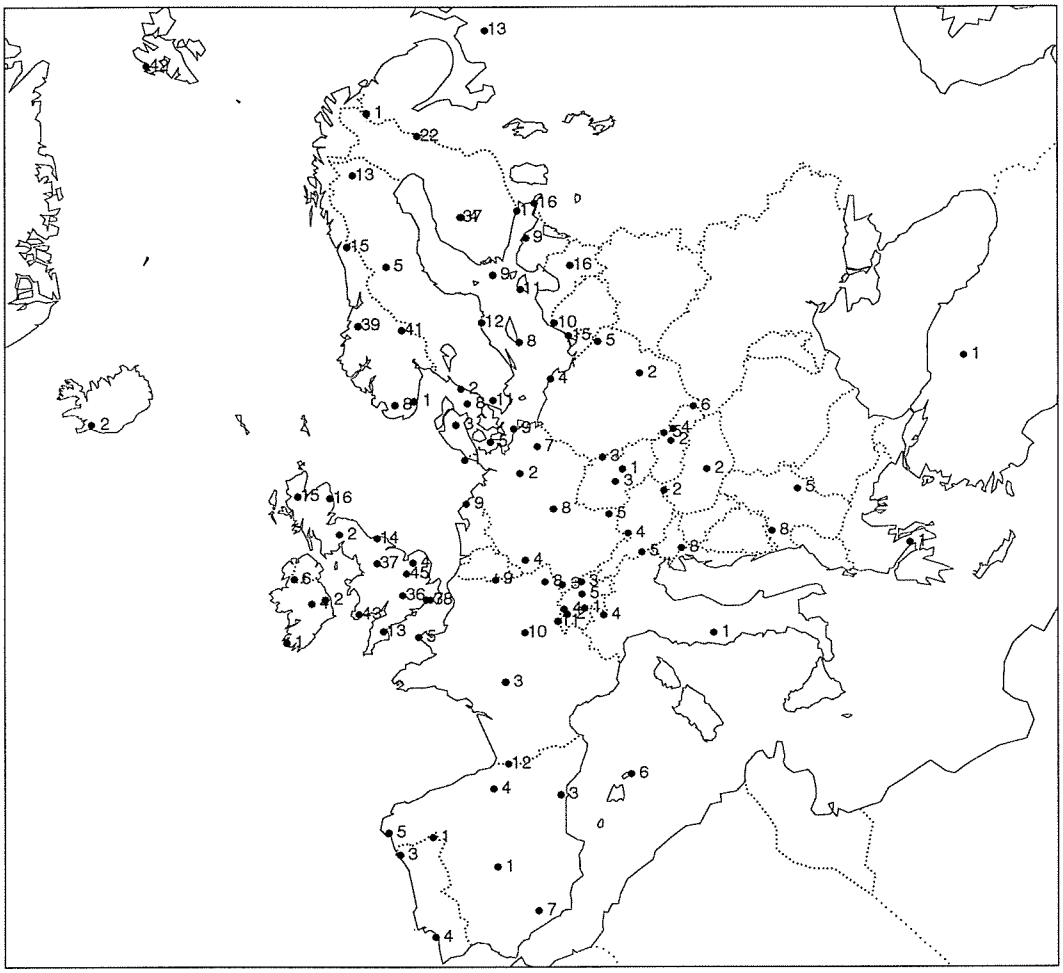

Figure 1: Location of the EMEP monitoring stations in operation in 1997. Sites with ozone/VOC measurements only are not included.

4. The measurement programme during 1997

EMEP's measurement programme during the sixth phase is presented in Table 2. Many sites had however, even during 1997, a less extensive measurement programme, as can be seen from the data tables in this report. Most sites measure air as well as precipitation components. However, some sites perform either the one or the other type of measurements.

Table 2: EMEP's measurement programme 1997.
Sampling periods are 24 hours except for ozone and VOC.

	Components	Measurement period	Measurement frequency
Gas	SO_2, NO_2 O_3 Light hydrocarbons C_2-C_7* ketones and aldehydes (VOC)	24 hours Hourly means stored 10 - 15 minutes 8 hours	Daily Continuously Twice weekly Twice weekly
Particles	SO_4^{2-}	24 hours	Daily
Gas + particles	HNO_3 (g) + NO_3^- (p) NH_3 (g) + NH_4^+ (p)	24 hours	Daily
Precipitation	Amount of precipitation, SO_4^{2-}, NO_3^-, Cl^-, pH/H^+ NH_4^+, Na^+ Mg^{2+}, Ca^{2+}, K^+, conductivity	24 hours	Daily

* Measurements are made at a small number of sites only.

An evaluation of the VOC measurement programme within EMEP has been published earlier (Solberg et al., 1995). The VOC data from 1997 was reported separately by Solberg et al. (1998). The ozone data from 1997 was reported by Hjellbrekke (1999).

5. Sampling and analytical methods

The recommended procedures for sampling and analysis of precipitation and air are described in the EMEP Manual for sampling and chemical analysis. The manual has been updated and the final version was sent out in 1996 (EMEP/CCC-Report 1/95). The methods used by the participating countries are given in Annex 1.

6. Laboratory intercomparison

During 1997 the 16th laboratory intercomparison of analytical methods was carried out. As usual most of the laboratories report acceptable data, but there are still some outliers. The intercomparison results are presented in EMEP/CCC Report 2/97.

7. Data from the monitoring stations

The data sent to CCC on diskettes or transferred through Internet, are checked and stored in the CCC database.

Data on particulate nitrate and ammonium have been forwarded to the CCC since 1987. It should, however, be noticed that some of these data are from filter sampling, where no steps have been taken to avoid chemical reactions, and that such reactions can cause inaccurate results.

8. Calculation of excess sulphate in precipitation

The sulphate in precipitation is stored in the database as reported, i.e. total sulphate, and as corrected, non-marine sulphate, i.e. total sulphate minus sulphate originating from sea-salt particles.

When the sulphate concentrations originating from sea-salt are larger than the total sulphate, and the corrected sulphate concentrations consequently become less than zero, negative concentrations have been stored in the data base and have been used to calculate averages in the report in order to avoid lias in the aggregates. Negative concentrations are mainly caused by random errors in the data.

CCC has implemented a new routine for calculation of the marine contribution to sulphate in precipitation. This new routine which is worked out by the CAPMoN has already been adopted by the WMO GAW. A series of EMEP's sites will also report data to WMO through the CCC if the Steering Body agrees, and common routines will necessarily fill the data bases with identical data. This is consequently a step in a harmonisation process between EMEP and WMO GAW.

Excess sulphate data as calculated with the old routine will be available from the CCC as a continuation of the data series upon request. The sulphate data presented in the current and future data reports as well as data copied to other institutions in the future, will be based on the new routine.

The CAPMoN routine give priority to sodium, magnesium and chloride as in EMEP's old routine, and this is supplemented with inspections of the ratios between the three elements. From the ratios it is possible to find the presumably most correct sea salt element and this makes clearly an improvement of the calculation.

The difference between the old and new routine can be illustrated by Figure 2 with data from Valentia Observatory in Ireland, a site highly exposed to sea salt. The Figure shows that data on the excess sulphate concentrations often will be higher with the new procedure at Valentia Observatory, and that consequently the average concentrations of excess sulphate in precipitation will be somewhat higher. Since the calculations are based on an attempt to pick the most accurate sea salt element when possible, the new data on excess sulphate in precipitation are better estimates than the old ones at sites exposed to sea salts. The more important the marine sulphate is compared with the anthropogenic sulphate, the larger the difference will be. At sites with none or only small concentrations of sea salts, as at most of the EMEP sites, the two routines have small differences as shown with data from Kosetice in the Czech Republic in Figure 3.

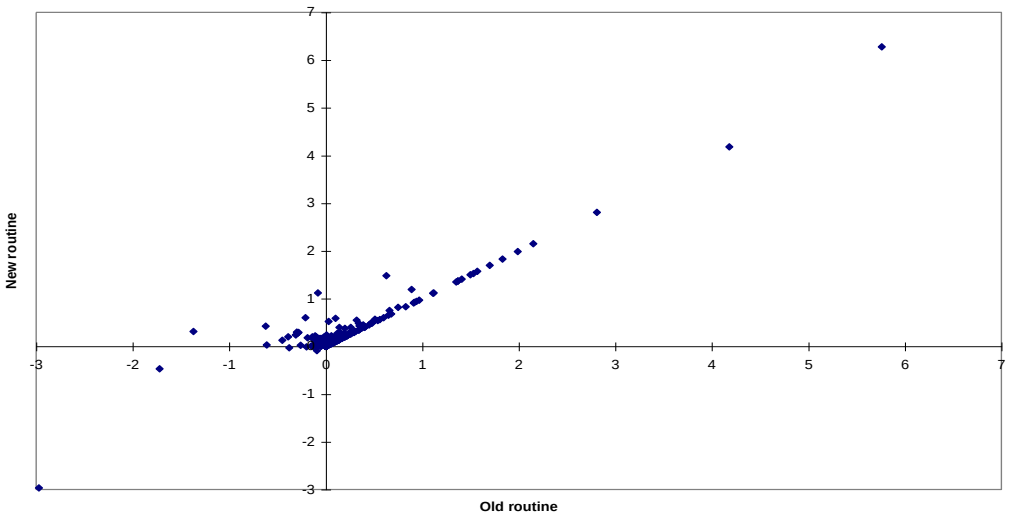

Figure 2: Excess sulphate 1994 calculated with old and new routine for Valentia Observatory.

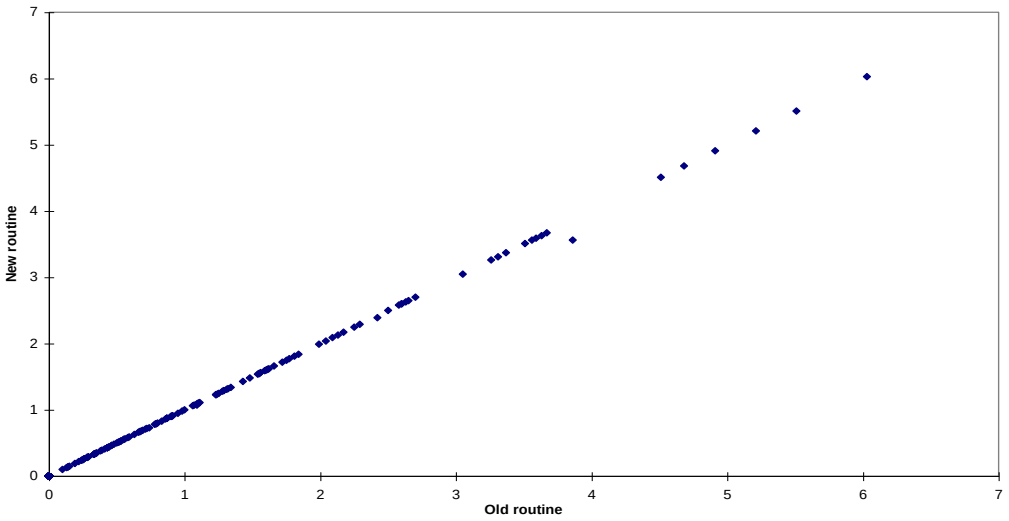

Figure 3: Excess sulphate 1994 calculated with old and new routine for Kosetice.

9. Data flagged in this report

EMEP's data quality objectives (DQO, Annex 5) were set to provide sufficiently accurate data for EMEP's needs. They have been discussed and accepted at the Steering Body in 1996, and the participating laboratories have consequently to provide data meeting the DQO in order to have them accepted by EMEP.

The Parties to the Convention are obliged to make this goal attainable to their own EMEP laboratories. The laboratories must therefore be sufficiently funded to do their measurements in accordance with recommended methods and instrumentation in field and in laboratory. Although a harmonisation and standardisation of

methods is strongly needed, methods equivalent to the recommended ones may be acceptable if the participant has demonstrated that the data meet the DQO. Secondly, and of greatest importance is to have sufficient funding to be able to implement quality assurance good enough to provide data meeting the DQO.

The requirements have been based on the annual laboratory comparisons 15 and 16 from the years 1995 and 1997 and are related to an average performance as proposed in the Steering Body meeting in 1996. The requirements will flag data from laboratories which are assumed to have precipitation data or air data with a generally lower quality than the DQO. They will, however, not flag all data less accurate than the DQO.

The requirements for flagging the data sets are:

I - invalid:

The average deviation from expected values obtained in the two comparisons for a component is greater than 20% (0.2 pH units for pH), or the deviation from expected value obtained in one of the intercomparisons is greater than 25%

Q - qualified:

The average deviation from expected values obtained in the two comparisons for a component is greater than 15% (10% for NO_2, SO_2, NO_3^-, SO_4^{2-}, 0.1 pH units for pH), and the deviation from expected value obtained in both of the intercomparisons is less than 25%.

Not flagged - valid:

The average deviation from expected values obtained in the two comparisons for a component is less than 15% (10% for NO_2, SO_2, NO_3^-, SO_4^{2-}, 0.1 pH units for pH), and the deviation from expected value obtained in both of the intercomparisons is less than 25%.

The data sets from the following Parties are flagged as invalid (I):

Air components:

SO_2: Greece, Latvia, Lithuania, Portugal, Turkey
NO_2: Hungary
SO_4^{2-}: Greece

Precipitation components:

SO_4^{2-}: Croatia, Latvia
NO_3^-: Yugoslavia
NH_4^+: Spain, Italy, Yugoslavia
pH: Hungary, Italy
Ca^{2+}: Spain, Croatia, Hungary, Italy
Mg^{2+}: Croatia
Na^+: Croatia, Hungary

Cl^-: Hungary, Yugoslavia
K^+: Spain, Hungary, Ireland (EPA), Russia

Improvements have been made in Hungary since 1995 and the results from the 16th comparison in 1997 were generally good, and better than the DQO. Improved results in the 16th laboratory comparison have also been forwarded by Estonia, Latvia, and Yugoslavia.

The data, which are flagged in this report, will be available from the CCC upon request if they have been forwarded to the database. They contain information about concentrations as the accepted data do, but generally with a lower accuracy.

10. Monthly mean concentrations

The arithmetic mean values of gases and components in aerosols have been given in Annex 2. As a measure of data completeness the per cent days with results for each component every month has also been printed in Annex 2.

The precipitation data are presented in Annex 3. The monthly mean values given are the precipitation weighted arithmetic averages. The per cent analysed for a component is the per cent of the total precipitation which have been analysed for the component during a specified period, and the per cent analysed is used as a measure of completeness. Precipitation amounts from the samplers are once in a while lost due to mistakes and errors and can not in such cases easily be estimated since EMEP do not have precipitation amounts from co-located precipitation gauges. If the precipitation amount is missing a day with amounts of rain or snow of importance, then the total precipitation amount for a period including this day will be too low, and consequently the corresponding completeness for all components too high. As a measure of completeness of precipitation amounts, the number of days with precipitation data has been taken.

11. Seasonal summaries of the data

The seasonal summaries of the air components have been presented in Annex 4, and the summaries of the precipitation data in Annex 5. The precipitation component summaries contain the precipitation weighted arithmetic mean value, the minimum and maximum daily concentrations, the wet deposition, per cent of total precipitation amount analysed for a specific component (completeness for precipitation data), the number of data below the detection limit and total number of days with results, and a sampling flag which gives information about deviations from the EMEP sampling procedures.

The wet depositions have been obtained by multiplying the weighted mean concentration by the total amount of precipitation in the period. The concentrations for days with missing precipitation data have consequently been assumed to be equal to the weighted average of the period.

Concentrations less than zero may exist in the database for sulphate in precipitation corrected for sea-salt. This occurs whenever the sea-salt contribution is larger than the total sulphate concentration, and it is caused by random errors in the results. The negative values have been included in the estimation of the weighted arithmetic mean values.

For air components the arithmetic mean and the geometric mean have been computed together with their standard deviations. The definitions are given on the next three pages. The geometric standard deviation is a dimensionless factor. If the data come from a random sample of independent data in a normal distribution, about 95% of the data will lie between

$$\overline{c_a} - 2sd_a \; and \; \overline{c_a} + 2sd_a$$

and between

$$\frac{\overline{c_g}}{sd_g^2} \; and \; \overline{c_g} \cdot sd_g^2$$

if the data come from a lognormal distribution. The minimum, maximum, 5 and 95 percentiles are also presented in Annex 3. As a measure of the completeness of the dataset, the percentage of samples analysed in the period has been printed.

In the computations of mean values and other statistics, the concentrations below the detection limit have been set equal to one half of the actual limit. An overview of the statistics and definitions is given below.

W.mean $\hat{c}$ is the precipitation weighted arithmetic mean concentration used for precipitation components:

$$\hat{c} = \frac{1}{\sum_i p_i} \cdot \sum_i c_i \cdot p_i$$

where p_i is precipitation amount day i with the measured concentration c_i of a specific component.

Arit mean $\overline{c_a}$ is the arithmetic mean value used for air components only, and N is number of days with data:

$$\overline{c_a} = \frac{1}{N} \sum_i c_i$$

Arit sd

sd_a is the arithmetic standard deviation from the arithmetic mean value. It is computed for air components only:

$$sd_a = \left(\frac{\sum_i (c_i - \overline{c_a})^2}{N-1} \right)^{\frac{1}{2}}$$

Geom mean

$\overline{c_g}$ is the geometric mean value used for air components only, and it is computed from the arithmetic mean of ln c:

$$\overline{lnc} = \frac{1}{N} \cdot \sum_i lnc_i$$

$$\overline{c_g} = exp(\overline{lnc})$$

Geom sd

sd_g is the geometric standard deviation from the geometric mean value. It is computed for air components only, and it is based on the standard deviation of ln c:

$$sdlnc = \left(\frac{\sum_i (lnc_i - \overline{lnc})^2}{N-1} \right)^{\frac{1}{2}}$$

$$sd_g = exp(sdlnc)$$

Min

is the minimum value reported for a specific component, and it is printed both for precipitation and air components.

5%

is the 5 percentile computed from the histogram of the daily results. The data have been divided into 30 classes of equal size with the addition of two extreme classes. The 5 percentile has been computed by linear interpolation of the two closest class marks. The percentile has been computed for air components only.

50%

is the 50 percentile, defined as above and computed for air data only.

95%

is the 95 percentile, defined as above and computed for air data only.

Max

is the maximum value reported for a specific component, and it is given for precipitation and air components.

Dep

is the wet deposition of a specific precipitation component. The deposition is the product of the total precipitation amount measured and the weighted arithmetic mean of a component measured at a site.

% anal — for precipitation components this is the percent of the total precipitation reported analysed for a specific component, and for air components based on the number of days with data.

Num bel — is the number of data below the detection limit (not used for precipitation amount).

Num day — is the number of days with measurements for a specific component.

Samp flag — is a two character code which gives information about routine-wise deviation from the EMEP sampling length and frequency. The code used in this report is:

W: weekly sampling
M: monthly sampling

The units used for the results in this report are given in Table 3 and Table 4.

Table 3: Units used for precipitation components.

Precipitation components	Units for W. mean, Min Max	Units for depositions
Amount	mm	mm
SO_4^{--}	mg S/l	mg S/m^2
NO_3^-	mg N/l	mg N/m^2
Cl^-	mg Cl/l	mg Cl/m^2
NH_4^+	mg N/l	mg N/m^2
H^+	µe H^+/l	µe H^+/m^2
pH	pH-units	µe H^+/m^2
Na^+	mg Na/l	mg Na/m^2
Mg^{2+}	mg Mg/l	mg Mg/m^2
K^+	mg K/l	mg K/m^2
Ca^{2+}	mg Ca/l	mg Ca/m^2

Table 4: Units used for air components.

Air components	Units for arithmetic and geometric mean values, arithmetic standard deviations, Min., Max, percentiles.
SO_2	µg S/m^3
NO_2	µg N/m^3
HNO_3	µg N/m^3
NH_3	µg N/m^3
SO_4^{2-}	µg S/m^3
NO_3^-	µg N/m^3
NH_4^+	µg N/m^3
H^+	ne H^+/m^3
SPM	µg/m^3
$HNO_3 + NO_3^-$	µg N/m^3
$NH_3 + NH_4^+$	µg N/m^3

The start hours for the sample collections for the period covered by this report are given in Table 5.

Table 5: Start hours for sampling (GMT) in 1997.

Site	Prec.	Air	Site	Prec.	Air
AT 2	08	-	HR 2	06	06
AT 3	08	-	HR 4	06	06
AT 4	08	-			
			HU 2	07	07
CH 1	-	08			
CH 2	08	08	IE 1	10	10
CH 3	-	08	IE 2	(1)	(1)
CH 4	-	08			
CH 5	-	08	IS 2	09	09
CS 1	07	07	IT 1	(1)	(1)
CS 3	07	07	IT 4	10	10
DE 1	07	00	LT15	09	09
DE 2	07	00			
DE 3	07	00	LV10	09	09
DE 4	07	00	LV16	-	09
DE 5	07	00			
DE 7	07	00	NL 9	07	07
DE 8	07	00	NL10	07	07
DE 9	07	00			
DE12	-	00	NO 1	07	07
DE14	-	00	NO 8	07	07
DE17	-	00	NO15	07	07
DE18	-	00	NO30	07	07
DE19	-	00	NO39	07	07
			NO41	07	07
DK 3	07	07	NO42	-	07
DK 5	07	07			
DK 8	07	07	PL 2	06	06
			PL 3	06	06
ES 1	07	07	PL 4	06	06
ES 2	07	07	PL 5	06	06
ES 3	07	07			
ES 4	07	07	PT 1	09	-
ES 5	07	07	PT 3	09	-
ES 6	07	07	PT 4	09	09
FI 4	06	06	RU 1	(1)	(1)
FI 9	06	06	RU13	(1)	(1)
FI17	06	06	RU14	(1)	(1)
FI22	06	06	RU16	(1)	(1)
FR 3	09	09	SE 2	06	06
FR 5	09	09	SE 5	06	06
FR 8	09	09	SE 8	-	06
FR 9	09	09	SE11	06	06
FR10	09	09	SE12	06	06
FR11	09	09	SE13	-	09
FR12	09	09			
			SK 2	07	07
GB 2	07	07	SK 4	07	07
GB 4	-	07	SK 5	07	07
GB 6	07	07	SK 6	07	07
GB 7	-	07			
GB13	07	07	TR 1	00	00
GB14	07	07			
GB15	07	70	YU 5	(1)	(1)
GB16	-	07	YU 8	(1)	(1)
GR1	-	00			

(1) : Not reported

12. Update

The data compiled in this report represent the best data available at present. If any further errors are detected, the data will be corrected in the database. It is important that users make certain that they have access to the most recent version of the database. For the data presented here the latest alteration was 14 July, 1999.

Scientific use of the EMEP data should be based on fresh copies of the data. Copies can be requested from the CCC (e-mail: anne-gunn.hjellbrekke@nilu.no). Information about the EMEP network and measurement data can also be found on CCC's internet pages: http://www.nilu.no/projects/ccc/index.html

13. References

A list of data reports from EMEP/CCC can be found in Annex 4.

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14. Acknowledgements

A large number of anonymous co-workers in participating countries have been involved in the many steps of collection of EMEP´s air and precipitation data. A list of participating institutes can be seen below. The staff at CCC wishes to express their gratitude and appreciation for continued good co-operation and efforts. The secretarial work has been performed by Ms. Kristine Aasarød.

15. List of participating institutions

Austria	Umweltbundesamt
Commission of the European Communities	Joint Research Center. Ispra Establishment
Croatia	Meteorological and Hydrological Service of Croatia
Czech Republic	Czech Hydrometeorological Institute
Denmark	National Environmental Research Institute
Finland	Finnish Meteorological Institute
France	I' Ecole des Mines de Douai Laboratories Wolff
Germany	Umweltbundesamt
Greece	Ministry of Environmental Physical Planning and Public Works
Hungary	Institute for Atmospheric Physics, Dep. for Air Chemistry
Iceland	The Icelandic Meteorological Office
Ireland	Meteorological Service H.Q. Environmental Protection Agency (EPA) Electricity Supply Board (ESB)
Italy	C.N.R. Istituto Inquinamento Atmosferico
Latvia	Latvian Hydrometeorological Agency
Lithuania	Institute of Physics
Netherlands	National Institute for Public Health and Environmental Protection (RIVM)
Norway	Norwegian Institute for Air Research (NILU)
Poland	Institute of Meteorology and Water Management Institute of Environmental Protection
Portugal	Ministério do ambiente e recursos naturais
Russian Federation	Institute of Global Climate and Ecology
Slovak Republic	Slovak Hydrometeorological Institute
Spain	Dirección General de Calidad y Evaluacíon Ambiental
Sweden	Swedish Environmental Research Institute (IVL)
Switzerland	Swiss Federal Laboratory of Testing Materials and Research (EMPA)
Turkey	Refik Saydam Centre of Hygiene
United Kingdom	AEA Technology
Yugoslavia	Federal Hydrometeorological Institute

Annex 1

Overview of sampling and analytical methods 1997

This Annex gives an overview of the sampling and analytical methods in use in the participating countries during 1996. The information given is mostly based on answered questionnaires issued by the CCC.

Table 1.1 shows the sampling techniques used for precipitation and aerosol components in the different countries. Table 1.2 shows the corresponding information for gases and Table 1.3 information on sampling for the sum of aerosols and gases.

Table 1.4 shows the analytical methods used for components in aerosols, for gases and for the sum of aerosols and gases. Several combinations of reagents can be used in the Griess method for measurements of nitrogen dioxide and in the data reports different combinations have been given different names, e.g. NEDA and ANSA in the past. Due to the increasing number of different reagent combinations, no distinction was made in 1996 between the different procedure which have all been referenced to as Griess method in Tables 1.4 and 1.7.

Table 1.5 shows the methods used for components in precipitation.

Tables 1.6 to 1.15 give the code numbers for the methods used in Tables 1.4 and 1.5.

Table 1.1: Techniques for sampling of precipitation and for aerosols in 1997.

Country	Precipitation	Particulate sulphate	Particulate ammonium	Particulate nitrate
Austria	Wet only	Schleicher und Schüll TE 36 Membranfilter 0.45 µm, 47 mm diameter, 2.7 Nm^3/day	-	-
Croatia	Bulk	-	-	-
Czech Republic	Bulk and wet-only	Whatman 40 filter 6-8 m^3/day	Schleicher and Schüll TE36 0.45 µm 5 m^3/day	As for ammonium
Denmark	Wet-only	Mixed cellulose ester filter Millipore RAWP 1.2 µm 58 m^3/day	-	-
Estonia	Bulk	Whatman 40 filter 4-5 m^3/day	-	-
Finland	Bulk	Whatman 40 filter 24 m^3/day	-	-
France	Wet-only	Whatman 40 filter 2.5 m^3/day	-	-

Table 1.1 cont.

Country	Precipitation	Particulate sulphate	Particulate ammonium	Particulate nitrate
Germany	Bulk	Schleicher & Shüll 589/2L filter 1.0 m^3/day	-	-
Greece	Wet only	Whatman 41 filter 1.1 m^3/day	-	-
Hungary	Wet only	Teflon filter, Schleicher & Schüll, 1 μm, 25 m^3/day	As for particulate sulphate	As for particulate sulphate
Iceland	Bulk	Whatman 40 filter 20-25 m^3/day	-	-
Ireland	Bulk (IE1) Wet only (IE2, IE3, IE4)	Whatman 40 filter 20-25 m^3/day (IE1) Gelman GN-6 Metricel filter 20 m^3/day (IE2, IE3, IE4)	-	-
Italy	Wet only	Teflon filter Gelman Zeflour 1 μ. 17 m^3/day	Teflon filter (as for sulphate) + phosphorous acid impregnated filter	As for sulphate + Nylasorb filter
Latvia	Bulk (LV16) Wet only (LV10 from July 1996)	Whatman 40 filter 14-20 m^3/day	Whatman 40 filter 18-28 m^3/day	As for particulate sulphate
Lithuania	Wet only	Whatman 40 filter, 24 m^3/day	As for particulate sulphate	As for particulate sulphate
Netherlands	Wet only	Whatman 42 filter 2.5 m^3/day Filter mounted behind denuder	As for particulate sulphate	As for particulate sulphate.
Norway	Bulk	Teflon filter, Gelman Zefluor 2 μm 25 m^3/day	-	-
Poland	Bulk	Whatman 40 filter 3.5-4 m^3/day PL 5: 3.5-5 m^3/day	As for particulate sulphate	PL 5: As for particulate sulphate
Portugal	Bulk	-	-	-
Russian Fed.	Bulk	Whatman 40 filter 10-15 m^3/day	As for particulate sulphate	As for particulate sulphate
Slovakia	Wet only	Whatman 40 filter 6-8 m^3/day	-	Whatman 40 filter 6-8 m^3/day

Table 1.1 cont.

Country	Precipitation	Particulate sulphate	Particulate ammonium	Particulate nitrate
Slovenia	-	Teflon filter, Gelman Zefluor 2 µm, 22 m^3/day	-	-
Spain	Wet only	Whatman GF/A filter 770 m^3/day	As for particulate sulphate	-
Sweden	Wet only	Teflon filter Gelman Zefluor 2 µm 20 m^3/day	-	-
Switzerland	Wet only CH2	Schleicher & Schüll filter 589/4, 3.6 m^3/day (CH2,3,4,5), 4.1 m^3/day (CH1)	-	-
Turkey	Wet only	Whatman 40 filter 35 m^3/day	See sum of gases and aerosols	See sum of gases and aerosols
United Kingdom	Wet only. Bulk at GB2	Whatman 40 filter 2-4 m^3/day	-	-
Yugoslavia	Bulk	-	-	-
CEC (IT 4)	Wet only	Cellulose acetate 0.8 µm filter 12 m^3 day	As for particulate sulphate	As for particulate sulphate

Table 1.2: Techniques for sampling of gases in 1997.

Country	Sulphur dioxide	Nitrogen dioxide	Ammonia	Nitric acid
Austria	Instrumental: DOAS	DOAS	-	-
Croatia	Absorbing solution TCM, 1.6-2.5 m^3/day	Absorbing solution Trietanolamin 1.6-2.5 m^3/day	-	-
Czech Republic	KOH-impregnated Whatman 41 filter 6-8 m^3/day	Impregnated filter NaOH and guajacol Whatman 40 0.72 m^3/day	Oxalic acid imp. Whatman 41 filter 5 m^3/day	NaCl-impregnated Whatman 41 filter 0.72 m^3/day
Denmark	NaF-impregnated + KOH-impregnated Whatman 41 filters 58 m^3/day	KI-method (glass sinter) 0,7 m^3/day	-	-

Table 1.2 cont.

Country	Sulphur dioxide	Nitrogen dioxide	Ammonia	Nitric acid
Estonia	Instrumental UV-fluorescens at Vilsandi	Absorbing tubes KI solution, 0.3 m^3/day at Lahemaa; Instrumental: chemiluminescence at Vilsandi	-	-
Finland	NaOH-impregnated Whatman 40 filter 24 m^3/day	Instrumental: chemiluminescence	-	-
France	Absorbing solution H_2O_2. 2.5 m^3/day	-	-	-
Germany	Absorbing solution TCM 1.0 m^3/day	Absorbing solution Saltzman 1 m^3/day		
Greece	Absorbing solution H_2O_2. 1.1 m^3/day	Absorbing solution TGS 1.1 m^3/day	-	-
Hungary	KOH-impregnated Whatman 40 filter, 25 m^3/day	Iodide method (impregnated glass sinter) 0.7 m^3/day	Diffusion tube. Coating: oxalic acid. 4 m^3/day	
Iceland	KOH-impregnated Whatman 40 filter 20-25 m^3/day	-	-	-
Ireland	KOH-impregnated Whatman 40 filter 20-25 m^3/day	Absorbing solution TGS 1.5-1.6 m^3/day	-	-
Italy	Diffusion tubes NaCl and Na_2CO_3 + glycerine 17 m^3/day	Instrumental: Chemilumin-escence	Diffusion tubes coated with phosphorous acid	Diffusion tubes NaCl 17 m^3/day
Latvia	NaOH-impregnated Whatman 40 filter 14-20 m^3/day	Absorbing KI solution in absorbing tubes with glass granules, 0.2-0.4 m^3/day	Whatman 40 filter 18-28 m^3/day	As for sulphur dioxide
Lithuania	KOH-impregnated Whatman 40 filter, 24 m^3/day	Absorbing solution KI; 0.72 m^3/day	-	-
Netherlands	Instrumental: UV-fluorescence	Instrumental: Chemilumin-escence	Absorption in $NaHSO_4$, membrane sepa-ration, conductivity measurement	-
Norway	KOH-impregnated Whatman 40 filter 25 m^3/day	Iodide method (impregnated glass sinter) 0.7 m^3/day	-	-

Table 1.2 cont.

Country	Sulphur dioxide	Nitrogen dioxide	Ammonia	Nitric acid
Poland	KOH-impregnated Whatman 40 filter 3.5-4 m^3/day PL 5: 35-5 m^3/day	Absorbing solution TGS 0.7 m^3/day PL5: 0.3-0.7m^3/day	- -	- -
Russian Federation	NaOH-impregnated Whatman 40 filter 10-15 m^3/day	Absorbing tubes KI 0.3 m^3/day		
Slovakia	KOH-impregnated Whatman 41 filter 6-8 m^3/day	Absorbing solution NaOH and guajacol 0.5 m^3/day	-	KOH-impregnated Whatman 41 filter 6-8 m^3/day
Slovenia	KOH-impregnated Whatman 40 filter, 22 m^3/day	-	-	-
Spain	Absorbing solution H_2O_2 2 m^3/day	Absorbing solution Trietanolamine 1 m^3/day	-	-
Sweden	KOH-impregnated Whatman 40 filter 20 m^3/day	NaI-impregnated glass sinters ~0.7 m^3/day	-	-
Switzerland	CH1: Absorbing solution H_2O_2 4.1 m^3/day CH2,3,4,5: Instrumental UV-fluorescence	Instrumental: Chemilumin-escence; Cranox at CH1	-	-
Turkey	Absorbing solution TCM 1 m^3/day	Absorbing solution Saltzman 1 m^3/day	See sum of gases and aerosols	See sum of gases and aerosols
United Kingdom	Absorbing solution H_2O_2 2-4 m^3/day	Instrumental: Chemilumin-escence	-	-
Yugoslavia	Absorbing solution TCM, 1.6-2.5 m^3/day	Absorbing solution TGS, 1.6-2.5 m^3/day	-	-
CEC (I4)	Instrumental UV-fluorescence	Instruemtal: Chemi-luminescence	-	-

Table 1.3: Techniques for sampling of sums of gases and aerosols in 1997.

	Ammonia and ammonium	Nitric acid and nitrate
Denmark	Aerosolfilter as for sulphate + Oxalic acid impregnated Whatman 41, 58 m^3/day	Aerosolfilter as for sulphate + NaF-impregnated Whatman 41, 58 m^3/day
Finland	Oxalic acid impregnated Whatman 40 filter, 24 m^3/day	Whatman 40 + NaOH impregnated Whatman 40 filter, 14-20 m^3/day
Hungary	-	KOH-impregnated Whatman 40 filter, 25 m^3/day
Latvia	Whatman 40 filter, 18-28 m^3/day	Whatman 40 + NaOH impregnated Whatman 40 filter, 24 m^3/day
Lithuania	Oxalic acid impregnated Whatman 40 filter, 16-17 m^3/day	KOH impregnated Whatman 40 filter, 16-17 m^3/day
Norway	Aerosolfilter as for sulphate + Oxalic acid imp. filter, 25 m^3/day	Aerosolfilter as for sulphate + KOH-imp.filter as for sulphur dioxide, 25 m^3/day
Poland	Oxalic acid impregnated Whatman 40 filter, 4 m^3/day	NaOH impregnated Whatman 40 filter, 4 m^3/day
Russian Federation	Oxalic acid impregnated Whatman 40 filter 10-15 m^3/day	-
Slovenia	Aerosol filter as for sulphate + oxalic acid impregnated Whatman 40 filter, 22 m^3/day	Aerosol filter as for sulphate + oxalic acid impregnated Whatman 40 filter, 22 m^3/day
Spain	Oxalic acid impregnated Whatman 40 filter, 35 m^3/day	NaOH impregnated Whatman 40 filter, 35 m^3/day
Sweden	Aerosolfilter as for sulphate + Oxalic acid impregnated Whatman 40 filter, 20 m^3/day	Aerosolfilter as for sulphate + KOH impregnated Whatman 40 filter, 20 m^3/day
Switzerland	Citric acid impregnated Schleicher & Schüll 589/4 filter January-June: 6 m^3/day, July-December 20 m^3/day	NaOH impregnated Schleicher & Schüll 589/4 filter, 6 m^3/day
Turkey	Oxalic acid impregnated Whatman 40 filter 35 m^3/day	KOH impregnated Whatman 40 filter 35 m^3/day
United Kingdom	Citric acid impregnated Whatman 40 filter, 25 m^3/day GB2 and GB14	NaOH impregnated Whatman 40 filter, 25 m^3/day GB2 and GB14

Table 1.4: Analytical methods used by the participants for components in aerosols, for gases, and for the sum of aerosol components and gases in 1997. Method numbers are given in Tables 1.6–1.9.

	SO_4	NH_3/NH_4	HNO_3/NO_3	SO_2	NO_2
Austria	1	-	-	12	12
Belgium	2	-	-	7	3
Croatia	-	-	-	6	2
Czech Republic	2	3	4	3	2
Denmark	10	3	4	1	2
Estonia	1	-	-	1 & 9	2 & 3
Finland	1	1	1	1	3
France	1	-	-	1	-
Germany	2	4	1	6	1
Greece	3	-	-	3	2
Hungary	1	3	1	1	2
Iceland	1	-	-	1	-
Ireland	1	-	-	1	2
Italy	1	1	1	1	3
Latvia	3	3	2	3	2
Lithuania	3/1***	3	2/1***	3/1***	2
Netherlands	1	3	1	9	3
Norway	1	1	1	1	2
Poland	3/1#	2	4	3/1#	2
Russian Fed.	1	1	1	1/9*	2
Slovakia	1	-	1	1	2
Slovenia	1	1	1	1	
Spain	1	3	1	3	2
Sweden	1	4	1	1	2
Switzerland	2	1	1	1/9**	3
Turkey	?	3	1	6	1
United Kingdom	1	1	1	1	3
Yugoslavia	-	-	-	6	2
CEC (I4)	1	1	1	9	3

* 9 at RU1
** 1 at CH1
9 at CH2, CH3, CH4, CH5
*** from 1 May 1997 at LT15
\# 1 at PL5

Table 1.5: Analytical methods used by the participants for components in precipitation in 1997. Methods numbers are given in Tables 1.10–1.15.

	SO_4	NO_3	NH_4	H^+	Mg	Na	Cl	Ca	K
Austria	1	1	1	-	1	1	1	1	1
Belgium	1	1	1	-	3	1	1	3	1
Croatia	4	4	7	6	2	5	2	2	5
Czech Republic	1	1	4/6	6	6	4	1	6	4
Denmark	1	1	5	6	2	5	1	2	5
Estonia	1	1	5	-	2	3	1	3	3
Finland	1	1	1	6	1	1	1	1	1
France	1	1	4	6	1	1	1	1	1
Germany	1	1	4	-	3	6	1	3	6
Greece	3	5	5	-	-	3	2	3	3
Hungary	1	1	5	3	2	2	1	7	2
Iceland	1	-	-	-	-	5	-	-	-
Ireland	1	1/3**	1/4**	-	1	1	1	1	1
Italy	1	1	1	-	1	1	1	1	1
Latvia	1/2	1/2	5	-	2	2	1	7	2
Lithuania	2/1*	2/1*	5	6	2	2	2/1*	2	2
Netherlands	1	1	6	5	8	7	1	8	7
Norway	1	1	1	-	1	1	1	1	1
Poland	1	1	3/5#	-	2	5/2#	1	2/7#	5/2#
Portugal	1	1	5	-	3	3	1	3	3
Russian Federation	1	1	1	-	2	1	1	3	1
Slovak Republic	1	1	1	-	1	1	1	1	1
Spain	1	1	5	6	3	3	1	3	6
Sweden	1	1	4	6	1	1	1	1	1
Switzerland	1	1	1	-	1	1	1	1	1
Turkey	1	1	5	6	2	5	1	2	5
United Kingdom	1	1	1	6	1	1	1	1	1
Yugoslavia	2	2	5	-	2	5	2	2	5
CEC (I4)	1	1	1/5	6	1/2	1/2	1	1/2	1/2

* from 1 May 1997 at LT15

** until 1 Sept. 1997 at IE2

\# At PL5 only

Table 1.6: Methods used for analysing sulphur dioxide and sulphate in particles.

Ion chromatography	SO_2	SO_4	1
X-ray fluorescence (XRF)		SO_4	2
Thorin	SO_2	SO_4	3
Ring-oven technique		SO_4	4
Isotopic dilution method	SO_2	SO_4	5
Pararosanilin method	SO_2		6
Flame photometry	SO_2		7
Sulfonazo III, automatic,	SO_2	SO_4	8
UV-fluorescence	SO_2		9
Proton Induced X-ray Emission (PIXE)		SO_4	10
Nephelometry (barium sulphate)	SO_2	SO_4	11
DOAS	SO_2		12

Table 1.7: Methods used for analysing nitrogen dioxide.

Saltzman	1
Griess method	2
Chemiluminescence	3

Table 1.8: Methods used for determination of ammonium in aerosols, ammonia, and the sum of ammonium and ammonia.

Ion chromatography	1
Spectrophotometric, Chloramin T	2
Spectrophotometric, Indophenol method	3
Flow Injection Analysis	4

Table 1.9: Methods used for determination of nitrate in aerosols, nitric acid, and the sum of nitrate and nitric acid.

Ion chromatography	1
Spectrophotometric, Griess after Cd reduction	2
Spectrophotometric, Nitration of sodium salicylate	3
Spectrophotometric, Griess after hydrazine reduction	4

Table 1.10: Methods used for determination of sulphate in precipitation.

Ion chromatography	1
Thorin	2
Isotope dilution	3
Turbidity/Nephelometry (barium sulphate)	4
Sulfonazo III	5

Table 1.11: Methods used for determination of nitrate in precipitation.

Ion chromatography	1
Spectrophotometric Griess method, Cd reduction	2
Spectrophotometric, Flow injection analysis	3
UV-spectrophotometric	4
Other spectrophotometric	5
Griess method, Hydrazine reduction	6
Nesslers method after reduction	7

Table 1.12: Methods used for determination of ammonium in precipitation.

Ion chromatography	1
Spectrophotometric, Nesslers method	2
Spectrophotometric, Chloramin T	3
Spectrophotometric, Flow injection analysis	4
Spectrophotometric, Indophenol method	5
As method 5, using sodium salicylate instead of phenol	6
Gas sensitive electrode	7

Table 1.13: Methods used for determination of strong acid in precipitation.

Coulometric titration method	1
As above, but automatic plotting of Gran's function	2
Alkali titration	3
Gran's plot titration	4
Acid and alkali titration	5
Calculated from pH	6

Table 1.14: Methods used for determination of magnesium and calcium in precipitation.

Ion chromatography	1
Atomic absorption method	2
As method 2 + addition of lanthanium	3
As method 2 + addition of cesium	4
As method 2 + addition of potassium	5
As method 2 + addition of lanthanium, cesium and 8-Chynolynol	6
Atomic emission method	7
Plasma emission spectrometry	8

Table 1.15: Methods used for determination of sodium and potassium in precipitation.

Ion chromatography	1
Atomic emission method	2
As method 2 + addition of cesium	3
As method 2 + addition of lanthanium, cesium and 8-Chynolynol	4
Atomic absorption method	5
As method 5 + addition of cesium	6
Plasma emission spectrometry	7

Table 1.16: Methods used for determination of chloride in precipitation.

Ion chromatography	1
Spectrophotometric, mercury thiocyanate/iron method	2
Ion selective electrode	3
Setpoint titration	4

Annex 2

Monthly mean concentrations of gases and aerosols

Table 2.1: Monthly arithmetic averages of sulphur dioxide in 1997. (Unit: µg S/m³).

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	AT0002R	18.62	4.37	4.23	3.11	2.10	1.76	1.56	2.16	2.36	2.46	4.18	4.57
	AT0004R	0.20	0.87	-	0.61	0.52	0.33	0.34	0.52	0.39	0.36	0.77	0.34
	AT0005R	0.33	0.93	0.82	1.16	0.41	0.67	0.37	0.46	0.65	0.81	0.18	0.48
	CH0001F	0.17	0.06	0.09	0.09	0.05	0.04	0.03	0.07	0.07	0.07	0.10	0.18
	CH0002F	1.75	0.89	0.97	1.06	0.77	0.57	0.53	0.49	0.46	0.65	0.97	1.49
	CH0003F	2.83	0.97	0.98	1.16	0.75	0.49	0.44	0.48	0.58	0.60	1.00	1.49
	CH0004F	0.82	0.51	0.67	0.99	0.62	0.47	0.33	0.45	0.69	0.57	0.47	0.77
	CH0005F	0.66	0.33	0.55	0.70	0.42	0.18	0.21	0.21	0.28	0.26	0.23	0.57
Q	CS0001R	13.53	4.93	5.87	4.05	1.97	2.48	2.40	2.63	3.38	3.58	4.63	3.74
Q	CS0003R	12.57	4.38	4.57	4.48	2.15	1.83	2.27	2.68	3.09	3.87	3.42	3.98
	DE0001R	2.40	0.87	1.51	0.58	1.45	1.37	0.77	0.70	0.44	0.49	1.58	1.37
	DE0002R	5.24	0.95	0.81	0.65	0.43	0.62	0.25	0.73	0.63	0.52	2.58	1.95
	DE0003R	0.09	0.10	0.10	0.19	0.06	0.05	0.08	0.12	0.10	0.08	0.07	0.32
	DE0004R	8.38	1.58	1.07	0.91	0.30	0.35	0.26	0.52	1.02	1.25	1.51	1.92
	DE0005R	3.63	0.71	1.07	1.65	0.39	0.39	0.38	0.43	1.21	0.82	1.34	1.44
	DE0007R	5.76	1.21	1.79	0.61	0.62	0.64	0.30	0.90	0.55	0.50	2.92	1.92
	DE0008R	7.67	0.96	1.33	0.81	0.64	1.06	0.31	1.36	1.19	1.24	1.50	2.17
	DE0009R	3.42	1.01	1.06	0.57	0.42	0.51	0.40	0.66	0.54	0.43	2.02	1.77
	DK0003R	1.58	0.85	0.66	0.47	0.42	0.43	0.24	0.40	0.22	0.55	1.29	1.14
	DK0005R	2.08	0.89	0.83	0.50	0.52	0.69	0.61	0.95	0.61	0.52	1.47	1.54
	DK0008R	1.52	0.83	0.59	0.52	0.53	0.68	0.57	1.02	0.51	0.48	1.22	0.92
	EE0011R	0.52	0.68	0.48	0.60	0.62	0.51	0.53	0.51	0.53	0.46	0.43	-
	ES0001R	0.79	0.50	0.36	0.90	0.25	0.42	0.43	0.46	0.54	0.44	0.29	0.31
	ES0003R	0.26	0.84	0.31	1.05	0.25	0.80	0.60	0.42	0.76	0.33	0.47	1.51
	ES0004R	0.35	0.75	0.39	1.11	0.29	0.51	0.30	0.46	0.26	0.46	0.67	0.81
	ES0005R	0.40	0.35	1.01	1.55	0.41	1.22	1.43	0.39	0.80	0.54	0.25	0.48
	ES0006R	0.74	0.48	0.25	0.69	0.38	0.28	0.40	0.25	0.55	0.50	0.52	0.95
	ES0007R	0.36	0.86	0.34	1.21	0.45	0.63	0.36	0.25	0.35	0.25	0.65	1.35
	FI0004F	0.25	0.76	0.33	0.21	0.15	-	-	-	-	-	-	-
	FI0009F	0.45	0.67	0.43	0.38	0.47	0.52	0.43	0.73	0.24	0.21	0.59	0.69
	FI0017F	0.98	1.50	0.91	0.56	0.52	0.51	0.36	0.50	0.39	0.30	1.17	1.88
	FI0022F	0.98	1.02	0.75	0.70	0.56	0.35	0.41	0.16	0.31	0.30	0.64	0.51
	FI0037F	-	-	-	-	0.06	0.18	0.16	0.17	0.15	0.09	0.32	0.52
	FR0003F	1.08	0.51	0.69	0.64	0.38	0.39	0.46	0.45	0.40	0.49	0.32	0.34
	FR0005F	3.92	0.77	0.77	0.69	0.54	0.47	1.14	0.49	0.97	0.93	0.66	0.57
	FR0008F	2.25	0.70	0.86	1.14	0.59	0.58	0.69	0.87	0.96	0.91	0.69	0.88
	FR0009F	3.38	1.05	1.24	1.61	0.92	0.82	1.14	0.78	1.23	1.43	1.56	1.71
	FR0010F	1.09	0.58	0.68	0.91	0.38	0.45	0.85	0.62	0.57	0.75	0.73	1.13
	FR0011F	0.33	0.52	0.45	0.73	0.23	0.35	0.28	0.30	0.17	0.15	0.20	0.18
	FR0012F	0.97	0.86	1.10	1.00	0.66	0.59	0.67	0.44	1.68	0.71	0.71	0.44
Q	GB0002R	1.43	0.42	0.61	0.53	0.65	0.57	0.50	0.88	0.72	0.62	1.00	0.75
Q	GB0004R	3.55	2.00	1.85	2.25	1.44	1.38	1.60	1.71	1.78	1.93	1.54	2.01
Q	GB0006R	0.92	0.29	0.29	0.33	0.35	0.26	0.20	0.33	0.41	0.39	0.27	0.47
Q	GB0007R	5.22	1.42	0.73	1.05	0.69	0.82	0.85	1.02	1.06	1.27	0.96	1.57
Q	GB0013R	2.44	0.51	0.61	-	0.74	0.76	0.46	0.95	0.77	0.87	0.88	1.10
Q	GB0015R	0.82	0.47	0.57	0.41	0.48	0.44	0.41	0.79	0.60	0.41	0.67	0.35
Q	GB0016R	1.02	0.64	0.74	0.45	0.60	0.80	0.73	0.85	0.82	0.70	1.09	0.75
I	GR0001R	-	8.02	3.37	5.96	3.09	2.02	3.49	-	1.94	4.54	2.73	5.55
Q	HU0002R	19.93	6.52	5.45	3.96	2.15	2.15	2.56	3.14	3.15	3.71	4.43	6.55
	IE0001R	1.12	0.23	0.33	0.72	0.47	0.37	0.29	0.39	0.34	0.43	0.48	0.56
	IE0002R	1.31	0.15	0.41	0.39	0.53	0.29	0.16	0.20	1.19	1.80	0.48	3.48
	IT0001R	0.88	0.85	1.20	0.84	0.85	1.05	1.25	1.30	1.47	0.79	0.45	0.55
	IT0004R	0.73	1.27	1.75	1.74	1.25	0.90	1.17	0.89	0.93	0.76	1.15	1.45
I	LT0015R	3.75	1.95	1.62	1.32	0.99	1.04	0.54	0.79	0.56	0.57	1.80	1.92
I	LV0010R	0.98	1.15	1.04	0.59	1.03	0.78	1.10	0.83	0.72	0.54	0.95	0.53
I	LV0016R	1.34	1.17	0.63	0.52	0.38	0.30	0.22	0.81	0.74	0.39	0.69	1.37
	NL0009R	2.29	1.09	0.97	-	-	0.50	0.31	0.71	0.55	0.60	1.69	1.07
	NL0010R	8.10	1.70	1.61	1.50	1.02	1.28	1.03	1.68	1.80	2.10	2.97	2.76
	NO0001R	0.31	0.34	0.21	0.18	0.22	0.30	0.22	0.36	0.11	0.07	0.21	0.20
	NO0008R	0.23	0.19	0.17	0.09	0.10	0.20	0.08	0.14	0.05	0.03	0.18	0.18
	NO0015R	0.04	0.30	0.11	0.04	0.05	0.09	0.06	0.04	0.02	0.03	0.17	0.12
	NO0039R	0.04	0.20	0.03	0.02	0.02	0.07	0.04	0.04	0.02	0.02	0.04	0.12
	NO0041R	0.13	0.24	0.09	0.04	0.03	0.08	0.06	0.10	0.04	0.02	0.08	0.13
	NO0042R	0.34	0.34	0.19	0.10	0.03	0.14	0.05	0.10	0.05	0.08	0.08	0.06
	NO0055R	0.10	1.08	0.44	0.86	0.52	0.32	0.68	0.03	0.07	0.13	1.17	0.29
	PL0002R	9.89	6.41	3.11	3.43	1.94	2.51	0.94	0.72	1.84	3.25	2.75	4.79
	PL0003R	0.76	0.96	1.35	1.36	1.02	0.91	1.21	1.17	1.11	1.65	1.12	1.46

Table 2.1 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PL0004R	5.77	1.94	1.62	1.67	0.98	1.99	1.41	0.79	0.66	0.74	2.37	3.29
PL0005R	5.21	2.41	1.59	0.94	0.56	0.30	0.24	0.27	0.45	1.09	1.08	2.66
RU0001R	-	0.73	0.72	4.12	0.68	5.07	1.64	0.59	-	-	-	0.18
RU0013R	0.51	0.43	0.66	0.37	0.17	0.18	0.10	0.21	0.16	0.11	-	0.26
RU0016R	1.89	2.19	1.33	1.00	0.85	0.69	0.82	0.88	0.55	0.77	-	1.62
SE0002F	1.23	0.80	0.60	0.52	0.51	0.63	0.48	0.71	0.46	0.41	0.63	0.64
SE0005F	0.11	0.32	0.14	0.06	0.07	0.16	0.08	0.07	0.03	0.03	0.07	0.09
SE0008F	0.83	0.68	0.55	0.46	0.78	0.79	0.79	0.78	0.37	0.29	0.96	1.27
SE0011F	1.56	1.12	0.65	0.52	0.35	0.48	0.23	0.66	0.37	0.31	0.89	0.96
SE0012F	0.51	0.56	0.37	0.27	0.30	0.41	0.28	0.40	0.23	0.12	0.47	0.51
SE0013F	0.15	0.79	0.39	0.35	0.22	0.34	0.16	0.15	0.10	0.10	0.30	0.40
SI0008R	5.72	1.47	1.27	1.22	0.85	0.47	0.36	0.44	0.78	1.25	0.77	1.46
SK0002R	0.33	0.35	1.56	1.75	1.51	1.14	1.21	1.16	1.69	0.75	1.65	0.69
SK0004R	5.07	4.14	2.87	2.65	1.42	1.43	1.54	1.19	1.25	1.34	3.66	2.44
SK0005R	23.70	11.65	6.25	4.11	2.09	1.24	1.03	1.27	2.67	3.95	4.86	9.84
SK0006R	9.91	9.49	4.12	3.32	2.48	1.80	1.09	1.21	2.39	2.65	3.92	4.43
I TR0001R	1.86	2.13	0.93	0.47	0.22	0.29	0.34	0.16	0.34	0.44	0.91	0.65
YU0005R	5.58	9.27	5.26	1.25	1.32	1.39	1.25	1.25	1.25	1.25	1.25	2.23
YU0008R	2.36	2.98	2.27	1.25	1.52	1.25	1.25	1.25	-	1.25	1.31	1.41

Table 2.2: Sulphur dioxide 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	80	89	90	80	83	83	77	67	63	58	76	96
AT0004R	6	21	0	33	61	86	74	74	26	25	40	32
AT0005R	12	14	29	26	16	30	70	3	16	6	6	6
CH0001F	96	96	83	96	100	100	96	100	96	96	100	93
CH0002F	100	96	100	96	96	100	100	100	100	100	96	100
CH0003F	96	100	96	100	100	96	83	100	100	100	96	87
CH0004F	96	100	96	100	96	96	93	100	100	93	100	90
CH0005F	96	96	87	96	96	100	87	96	100	77	100	100
Q CS0001R	100	96	100	100	100	100	100	100	100	100	100	100
Q CS0003R	90	100	100	100	100	100	100	100	96	100	100	96
DE0001R	100	96	100	100	100	96	100	100	96	93	100	100
DE0002R	100	96	93	100	96	100	100	100	100	100	96	96
DE0003R	100	100	100	100	100	100	100	100	100	100	100	100
DE0004R	100	100	100	100	100	100	100	100	100	100	100	100
DE0005R	96	100	100	100	100	96	100	100	100	100	100	100
DE0007R	100	100	100	100	100	100	100	100	96	96	100	100
DE0008R	100	100	100	100	100	100	100	100	100	100	100	100
DE0009R	96	100	100	100	96	100	100	100	100	100	100	100
DK0003R	100	100	87	100	100	56	74	100	100	100	100	100
DK0005R	100	100	96	100	96	96	100	96	96	100	100	93
DK0008R	100	100	90	86	87	50	100	96	100	100	93	100
EE0011R	96	82	100	100	64	16	90	80	86	54	70	0
ES0001R	100	100	100	100	100	100	100	100	46	83	100	100
ES0003R	100	100	100	100	100	100	100	100	100	100	100	100
ES0004R	100	100	100	100	100	100	100	100	100	100	100	77
ES0005R	38	100	100	100	100	100	80	100	90	100	100	100
ES0006R	83	92	100	76	100	96	100	100	93	96	100	100
ES0007R	100	100	100	96	100	100	100	100	100	100	93	100
FI0004F	100	96	100	100	93	0	0	0	0	0	0	0
FI0009F	100	100	93	100	100	100	64	25	100	100	100	93
FI0017F	100	100	100	100	100	100	100	100	100	100	100	100
FI0022F	100	100	100	100	93	93	100	100	100	100	100	100
FI0037F	0	0	0	0	6	86	90	93	100	100	100	100
FR0003F	48	92	100	100	100	86	100	90	96	100	100	100
FR0005F	64	100	96	100	93	100	90	83	100	100	96	90
FR0008F	74	89	100	100	100	100	96	100	96	100	100	100
FR0009F	64	100	100	96	100	100	100	100	100	100	100	100
FR0010F	80	100	100	100	93	100	93	74	90	74	100	54
FR0011F	90	89	90	100	100	100	93	87	100	100	100	48
FR0012F	58	100	100	100	96	100	100	12	26	100	93	100
Q GB0002R	100	100	100	100	100	100	100	100	100	100	96	100
Q GB0004R	93	100	100	100	100	100	100	100	100	100	100	100
Q GB0006R	100	100	100	100	100	93	100	90	100	100	90	100

Table 2.2 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Q GB0007R	96	100	100	100	100	100	100	100	100	100	100	100
Q GB0013R	96	92	100	0	77	76	96	87	93	93	100	100
Q GB0015R	74	100	100	100	93	100	100	100	96	58	100	93
Q GB0016R	100	100	100	100	100	96	96	100	100	100	96	100
I GR0001R	0	92	100	93	64	93	54	0	36	83	100	77
Q HU0002R	100	96	96	100	100	100	90	100	100	96	100	96
IE0001R	100	96	100	100	96	100	100	100	100	96	96	93
IE0002R	100	100	100	100	100	100	100	100	96	100	100	77
IT0001R	100	100	100	100	100	100	100	48	100	100	100	100
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100
I LT0015R	100	100	100	100	96	90	93	74	100	96	96	96
I LV0010R	61	100	90	100	100	100	100	100	100	100	96	100
I LV0016R	93	96	90	90	74	33	96	90	100	93	96	90
NL0009R	100	100	48	0	0	23	100	100	100	100	100	70
NL0010R	100	100	100	100	100	90	100	100	100	100	100	100
NO0001R	83	100	100	100	100	100	96	93	100	100	100	100
NO0008R	96	100	100	100	96	93	100	100	100	100	100	100
NO0015R	100	100	100	100	100	100	96	100	100	100	100	96
NO0039R	100	100	100	100	100	96	100	100	100	100	100	100
NO0041R	96	100	100	96	100	100	96	96	100	96	100	96
NO0042R	100	100	96	96	83	100	100	96	100	100	100	93
NO0055R	70	100	96	100	87	86	93	96	100	100	76	100
PL0002R	100	100	96	100	100	100	96	100	100	100	96	100
PL0003R	100	100	100	100	100	100	93	96	100	100	100	100
PL0004R	100	100	100	100	100	100	100	100	86	100	93	100
PL0005R	100	96	100	100	100	100	96	100	96	100	100	93
RU0001R	0	67	77	20	64	76	87	67	0	0	0	54
RU0013R	54	53	80	83	58	86	87	80	86	64	0	16
RU0016R	96	100	83	96	70	96	96	100	100	51	0	70
SE0002F	100	100	100	100	100	100	96	100	100	93	96	100
SE0005F	100	100	100	100	96	96	100	96	100	100	100	96
SE0008F	100	96	96	100	100	100	100	100	100	100	100	100
SE0011F	100	100	100	100	100	100	100	96	96	96	100	100
SE0012F	96	100	100	100	100	93	93	100	100	100	100	100
SE0013F	96	100	100	96	100	100	100	100	96	96	100	48
SI0008R	90	100	100	100	100	100	100	100	100	100	100	100
SK0002R	96	100	100	100	100	100	100	100	100	90	100	100
SK0004R	96	100	100	100	100	100	100	96	100	100	100	100
SK0005R	96	100	100	100	100	100	90	100	100	100	90	64
SK0006R	90	100	96	100	96	96	93	93	100	100	100	96
I TR0001R	93	96	93	93	93	23	87	100	53	96	100	74
YU0005R	100	100	100	100	100	93	100	100	63	96	93	90
YU0008R	100	92	100	100	100	100	100	64	0	96	100	100

Table 2.3: Monthly arithmetic averages of nitrogen dioxide in 1997. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	6.15	3.49	3.47	2.54	4.18	4.50	3.96	5.67	4.69	3.28	3.64	3.97
AT0004R	2.05	1.08	2.23	1.17	0.86	0.81	0.89	0.81	1.45	1.44	2.73	1.03
AT0005R	0.95	0.94	0.71	0.62	0.40	0.38	0.25	0.32	0.61	1.06	0.72	2.19
CH0001F	0.06	0.07	0.07	0.11	0.05	0.06	0.11	0.08	0.06	0.14	0.25	0.30
CH0002F	12.38	6.28	5.75	4.54	3.38	3.27	2.98	3.55	4.47	5.46	7.88	6.86
CH0003F	13.69	5.71	4.91	4.35	3.42	2.96	2.79	3.23	4.21	5.03	7.23	6.61
CH0004F	3.09	1.67	2.53	2.72	1.91	1.75	1.45	2.57	2.83	3.04	3.11	2.68
CH0005F	5.02	2.27	2.94	3.16	3.25	2.64	2.55	2.62	2.88	3.53	3.10	2.59
CS0001R	-	-	-	-	-	-	3.79	2.04	2.25	1.76	2.19	1.54
CS0003R	3.49	1.75	2.09	2.92	1.87	1.75	2.39	1.64	1.62	2.04	2.72	2.70
DE0001R	7.40	3.54	2.80	1.68	1.69	1.44	1.52	2.02	1.39	2.55	4.38	3.72
DE0002R	5.66	3.58	2.58	1.95	1.58	1.45	1.31	1.81	2.07	2.77	3.99	4.03
DE0003R	1.08	0.83	1.17	1.29	1.05	1.01	1.12	1.41	1.35	1.25	0.91	1.50
DE0004R	5.75	2.62	2.54	2.23	1.50	1.48	1.55	1.57	2.15	2.57	3.32	3.41
DE0005R	2.39	3.11	2.39	1.87	1.51	1.37	1.31	1.22	1.47	1.78	1.90	2.44
DE0007R	4.70	2.50	2.21	1.36	1.14	1.18	0.91	1.28	1.47	2.10	3.04	3.38
DE0008R	2.87	2.31	1.91	1.59	1.15	1.17	1.07	1.26	1.45	1.84	2.59	3.04

Table 2.3 contd.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	DE0009R	4.98	2.39	2.19	1.75	1.51	1.48	1.53	1.53	1.75	1.76	2.55	3.27
	DK0008R	5.57	2.65	1.92	1.54	1.66	1.79	1.41	1.76	1.18	1.53	2.53	2.87
	EE0009R	0.32	0.20	0.20	0.14	0.14	0.14	0.13	0.14	0.14	0.21	0.27	0.34
	EE0011R	1.43	1.37	0.99	0.72	0.83	0.64	0.58	0.46	0.48	0.34	0.66	1.01
	ES0001R	3.05	6.29	3.90	0.78	2.46	1.39	2.38	1.15	3.37	2.59	1.75	2.96
	ES0003R	5.90	5.47	4.81	2.05	3.36	2.35	3.21	2.13	3.34	3.06	3.08	4.14
	ES0004R	5.89	6.57	3.60	1.49	3.33	2.68	3.11	2.23	3.14	2.73	2.85	2.81
	ES0005R	11.62	4.26	2.79	2.27	3.10	3.30	2.78	3.23	2.83	4.65	6.30	1.38
	ES0006R	3.53	4.79	4.48	0.60	3.49	3.12	1.51	-	3.52	2.65	2.52	3.03
	ES0007R	4.95	4.73	4.02	0.79	2.56	1.79	3.10	0.55	2.52	2.09	2.83	4.27
	FI0004F	-	-	-	-	0.27	-	-	-	-	-	-	-
	FI0009F	3.60	2.49	1.64	1.22	1.74	1.73	1.60	2.76	0.86	0.41	1.58	1.97
	FI0017F	-	1.16	1.44	1.09	1.10	1.40	2.01	1.89	1.13	1.02	1.56	2.59
	FI0022F	0.37	0.46	0.60	0.47	0.37	0.30	0.24	0.27	0.30	0.14	0.32	0.36
	FI0037F	-	-	-	-	0.29	0.38	0.35	0.44	0.54	0.72	1.20	1.55
	GB0015R	0.44	0.21	0.15	-	-	-	-	-	-	-	-	-
	GB0036R	12.33	3.33	5.62	6.38	5.63	4.50	1.33	-	-	10.61	7.50	5.53
	GB0037R	8.33	2.96	4.67	4.44	3.39	3.84	3.02	3.02	3.35	3.69	7.15	4.77
	GB0038R	8.02	2.80	4.05	4.07	3.33	2.92	2.98	4.32	2.14	-	4.09	5.28
	GB0043R	-	-	1.80	2.18	2.15	1.59	0.97	1.70	1.83	1.86	2.27	2.10
	GB0045R	-	-	-	-	-	-	-	-	-	-	7.78	6.86
	GR0001R	5.10	3.42	2.75	2.44	2.35	2.85	3.02	-	3.84	3.77	3.99	3.91
I	HU0002R	2.58	2.05	1.70	1.01	0.95	1.08	0.79	1.62	1.45	1.98	2.28	2.94
	IE0001R	1.57	0.31	0.70	0.87	0.50	0.40	0.33	0.49	0.76	0.96	1.06	0.84
	IT0001R	3.68	4.46	4.48	3.26	2.85	3.23	3.31	2.99	-	-	3.77	2.80
	IT0004R	9.23	10.99	9.64	5.41	4.65	4.49	3.81	2.79	4.67	6.57	9.90	9.08
	LT0015R	1.63	2.25	2.05	0.99	1.86	2.31	2.92	4.28	3.18	6.04	4.05	3.37
	LV0010R	1.90	0.98	1.11	1.01	1.02	1.14	0.66	1.48	0.86	0.96	1.32	1.74
	LV0016R	0.81	0.52	0.25	0.27	0.34	0.49	0.83	0.62	1.14	0.56	0.38	1.43
	NL0009R	9.06	4.83	-	-	-	2.74	2.36	3.58	3.12	4.47	6.93	5.12
	NL0010R	15.23	7.27	8.40	7.84	5.90	6.12	5.99	8.66	9.32	8.47	10.28	7.88
Q	NO0001R	1.41	0.79	0.57	0.41	0.33	0.45	0.47	0.77	0.39	0.44	1.06	1.21
Q	NO0008R	0.92	0.55	0.44	0.29	0.26	0.44	0.59	0.66	0.26	0.33	0.67	0.89
Q	NO0015R	0.17	0.17	0.16	0.19	0.09	0.23	0.27	0.15	0.12	0.16	0.18	0.23
Q	NO0039R	0.15	0.21	0.17	0.21	0.11	0.28	0.36	0.44	0.20	0.21	0.21	0.48
Q	NO0041R	1.12	0.53	0.48	0.31	0.50	0.27	0.20	0.27	0.24	0.36	0.48	0.95
Q	NO0055R	0.11	0.20	0.17	0.21	0.10	0.14	0.34	0.21	0.19	0.29	0.26	0.15
	PL0002R	6.16	3.55	2.89	1.99	2.17	2.42	1.61	2.73	2.66	3.42	2.56	4.17
	PL0003R	0.99	1.52	1.39	1.31	1.10	0.96	0.79	1.03	0.86	1.29	1.10	1.46
	PL0004R	4.56	1.97	1.50	0.99	1.13	1.00	1.49	2.19	1.07	1.17	3.02	3.68
	PL0005R	2.96	1.46	0.71	0.65	0.49	0.48	0.38	0.54	0.58	1.09	1.29	2.24
	RU0001R	-	0.01	0.02	0.00	0.14	0.01	0.04	0.01	-	-	-	0.01
	RU0013R	0.11	0.69	0.23	0.03	0.05	0.04	0.07	0.02	0.09	0.09	-	0.28
	RU0016R	1.06	0.99	0.72	0.92	0.91	0.74	0.87	0.72	0.50	0.76	-	2.01
	SE0002F	5.24	2.39	1.85	1.36	1.31	1.26	1.04	1.33	1.02	2.05	2.22	3.12
	SE0005F	0.19	0.30	0.17	0.09	0.13	0.14	0.15	0.13	0.11	0.13	0.28	0.46
	SE0008F	2.73	1.72	0.98	1.04	1.23	0.96	0.52	0.61	0.54	0.79	1.31	1.86
	SE0011F	5.69	3.06	1.68	1.57	1.19	1.14	0.95	1.16	1.42	2.04	1.87	2.90
	SE0012F	1.88	1.18	0.73	0.57	0.59	0.63	0.44	0.50	0.57	0.93	1.18	1.60
	SE0013F	0.19	0.23	0.15	0.24	-	-	-	-	-	-	-	-
	SK0002R	0.95	1.25	1.31	1.68	1.51	1.56	1.49	1.12	1.21	1.20	1.13	0.95
	SK0004R	3.82	2.67	2.15	2.01	2.01	2.22	1.86	1.81	1.59	1.60	2.49	2.76
	SK0005R	5.70	2.49	2.49	2.05	2.37	1.99	2.36	1.86	1.94	2.52	2.85	3.19
	SK0006R	2.96	1.94	1.54	1.66	1.44	1.48	1.27	1.37	1.29	1.57	1.93	2.26
	TR0001R	1.01	0.86	0.48	0.83	0.56	0.45	0.30	0.47	0.36	1.24	1.92	1.68
	YU0005R	3.02	2.05	2.08	2.68	1.30	1.24	1.15	2.47	1.70	2.33	3.63	4.04
	YU0008R	3.18	3.88	1.77	1.26	1.37	1.27	2.46	2.88	2.33	2.35	1.80	4.14

Table 2.4: Nitrogen dioxide 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	58	82	64	53	83	76	61	77	63	51	73	74
AT0004R	19	21	32	40	61	83	90	80	40	29	33	32
AT0005R	16	28	41	30	19	26	67	3	26	16	13	19
CH0001F	100	78	67	86	74	56	74	90	56	54	60	93
CH0002F	100	96	100	96	96	93	100	100	100	100	96	90

Table 2.4 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CH0003F	96	100	96	96	100	93	83	100	100	100	96	96
CH0004F	93	100	96	100	96	96	93	93	100	93	100	90
CH0005F	96	96	87	96	96	100	87	96	100	96	100	100
CS0001R	0	0	0	0	0	0	96	100	96	100	100	100
CS0003R	96	96	100	96	96	96	90	93	96	96	100	100
DE0001R	100	100	100	100	100	96	100	96	100	100	96	100
DE0002R	100	100	93	100	100	96	100	100	100	100	100	100
DE0003R	100	100	100	100	100	100	100	100	100	100	100	100
DE0004R	100	100	100	100	100	100	100	100	100	100	100	100
DE0005R	96	100	100	100	100	96	100	100	100	100	100	100
DE0007R	100	100	100	100	100	100	100	100	96	96	100	100
DE0008R	100	100	100	100	100	100	100	100	100	100	100	100
DE0009R	96	100	100	100	96	100	100	100	100	100	100	100
DK0008R	93	96	96	100	90	26	100	100	100	93	100	93
EE0009R	90	92	100	100	100	100	96	77	90	90	100	100
EE0011R	96	82	100	96	64	16	83	80	66	45	83	100
ES0001R	100	100	100	100	100	100	100	61	70	83	100	100
ES0003R	100	100	100	100	100	100	100	35	96	100	100	100
ES0004R	100	85	90	100	100	96	100	96	100	100	100	77
ES0005R	38	100	100	96	100	96	83	100	100	100	100	90
ES0006R	83	92	93	76	100	90	87	0	53	100	100	100
ES0007R	100	100	100	96	100	100	77	77	100	100	63	100
FI0004F	0	0	0	0	3	0	0	0	0	0	0	0
FI0009F	90	100	96	100	96	100	70	12	100	93	36	96
FI0017F	0	10	100	93	100	100	100	100	100	100	100	96
FI0022F	6	100	100	100	100	100	83	100	86	100	100	100
FI0037F	0	0	0	0	6	100	100	100	100	100	100	100
GB0015R	90	100	12	0	0	0	0	0	0	0	0	0
GB0036R	93	100	100	100	100	96	9	0	0	67	100	96
GB0037R	93	89	100	100	100	100	100	51	90	35	76	100
GB0038R	93	100	90	100	100	100	100	100	16	0	60	80
GB0043R	0	0	70	100	64	86	67	100	90	83	93	83
GB0045R	0	0	0	0	0	0	0	0	0	0	60	96
GR0001R	48	89	100	93	67	90	51	0	40	61	100	77
I HU0002R	96	96	100	100	45	46	100	87	96	100	100	100
IE0001R	100	100	100	100	100	100	100	87	100	100	100	100
IT0001R	100	100	100	100	100	100	100	93	0	0	90	51
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	96	100	93	90	96	96	100	96
LV0010R	61	96	90	100	100	100	100	100	100	100	93	100
LV0016R	93	100	93	96	96	33	80	96	86	93	96	90
NL0009R	100	100	0	0	0	63	100	100	100	100	100	74
NL0010R	96	67	90	96	100	90	100	100	100	93	100	96
Q NO0001R	100	100	100	100	100	100	100	100	100	100	100	96
Q NO0008R	100	100	100	100	100	100	100	100	100	100	100	100
Q NO0015R	100	100	96	100	100	100	100	96	96	100	100	100
Q NO0039R	100	100	100	100	100	100	100	100	100	100	100	100
Q NO0041R	100	100	100	96	100	100	100	100	100	100	100	100
Q NO0055R	61	100	100	100	100	100	100	100	100	100	100	100
PL0002R	100	100	96	100	100	100	93	100	93	96	86	100
PL0003R	100	100	100	100	100	100	93	96	100	100	100	100
PL0004R	100	100	96	100	100	100	100	100	96	100	93	100
PL0005R	93	100	100	100	96	100	100	100	96	96	90	87
RU0001R	0	67	77	20	64	76	87	67	0	0	0	54
RU0013R	54	25	41	80	54	93	93	80	90	54	0	16
RU0016R	96	100	87	96	70	100	100	100	100	51	0	70
SE0002F	96	100	100	100	100	96	100	100	100	100	100	100
SE0005F	100	100	100	100	100	100	96	100	96	96	100	100
SE0008F	100	96	100	100	100	100	96	96	100	100	93	100
SE0011F	100	100	100	100	100	100	100	100	100	96	100	100
SE0012F	96	100	100	100	100	100	100	100	100	100	100	100
SE0013F	100	100	100	100	0	0	0	0	0	0	0	0
SK0002R	93	100	100	100	96	100	100	100	100	100	100	100
SK0004R	96	100	100	100	100	100	100	96	66	100	100	100
SK0005R	96	64	100	100	100	100	100	100	100	96	100	100
SK0006R	93	100	100	100	96	96	96	93	100	100	100	96
TR0001R	80	100	100	100	100	60	100	100	53	96	100	90
YU0005R	100	100	100	100	100	90	100	100	46	100	96	87
YU0008R	100	96	100	100	100	100	100	100	100	100	100	90

Table 2.5: Monthly arithmetic averages of nitric acid in 1997. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CS0001R	1.80	1.27	0.83	0.74	0.62	0.93	1.48	0.96	1.86	2.01	1.15	1.21
CS0003R	2.01	1.26	1.06	0.81	0.71	0.75	1.00	0.66	1.78	0.90	1.23	1.55
IT0001R	0.03	0.06	0.12	0.11	0.21	0.24	0.30	0.35	0.34	0.17	0.04	0.03
LV0010R	0.32	0.55	0.38	0.45	0.38	0.36	0.38	0.23	0.26	0.09	0.23	0.10
LV0016R	0.19	0.16	0.21	0.09	0.54	0.28	-	-	-	-	-	-
SK0002R	0.02	0.02	0.07	0.04	0.08	0.06	0.12	0.09	0.09	0.05	0.10	0.08
SK0004R	0.23	0.11	0.07	0.11	0.04	0.05	0.03	0.09	0.05	0.06	0.09	0.07
SK0005R	0.15	0.08	0.07	0.05	0.06	0.06	0.04	0.07	0.06	0.06	0.11	0.11
SK0006R	0.66	0.80	0.38	0.28	0.17	0.15	0.11	0.12	0.10	0.19	0.29	0.28
TR0001R	0.04	0.07	0.07	0.06	0.08	0.05	0.06	0.05	0.04	0.05	0.07	0.03

Table 2.6: Nitric acid 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CS0001R	100	100	100	100	100	100	100	100	100	100	100	100
CS0003R	96	96	96	96	100	100	96	100	96	100	100	100
IT0001R	100	100	100	100	100	100	100	48	100	100	100	100
LV0010R	61	100	90	100	100	100	74	96	90	96	96	100
LV0016R	90	96	87	53	74	33	0	0	0	0	0	0
SK0002R	96	100	100	100	100	100	100	100	100	90	100	100
SK0004R	96	100	100	100	100	100	100	96	100	100	100	100
SK0005R	96	100	100	100	100	100	90	100	100	100	90	64
SK0006R	90	100	96	100	96	96	93	93	100	100	100	96
TR0001R	90	96	93	90	90	26	90	100	56	96	100	74

Table 2.7: Monthly arithmetic averages of ammonia in 1997. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CS0001R	0.72	2.48	2.22	1.28	1.50	1.45	5.41	4.81	2.12	1.62	1.85	1.57
CS0003R	2.16	1.66	1.52	1.59	1.61	1.71	2.04	2.41	3.30	1.46	1.86	1.59
HU0002R	0.75	0.95	1.33	1.21	1.97	1.47	1.26	1.34	1.85	1.30	0.62	0.32
IT0001R	1.09	1.02	1.58	1.36	1.51	1.88	2.00	2.08	1.66	1.34	1.22	1.14
LV0010R	0.64	0.79	0.53	0.41	0.45	0.51	0.84	0.48	0.92	0.23	0.08	0.12
LV0016R	0.20	0.21	0.11	0.13	0.20	0.15	-	-	-	-	-	-
NL0010R	24.59	7.49	19.92	19.99	16.88	17.50	22.12	23.85	21.23	16.34	7.82	7.23
TR0001R	0.11	0.17	0.21	0.30	0.54	0.16	0.24	0.22	0.18	0.30	0.22	0.09

Table 2.8: Ammonia 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CS0001R	100	100	96	100	100	100	100	100	100	100	100	100
CS0003R	96	96	100	96	100	100	100	100	93	100	100	100
HU0002R	96	85	87	96	83	96	87	100	93	87	100	93
IT0001R	100	100	100	100	100	100	100	48	100	100	100	100
LV0010R	61	100	90	100	100	100	100	100	96	100	90	100
LV0016R	93	85	93	76	74	33	0	0	0	0	0	0
NL0010R	64	50	83	83	87	50	74	54	86	87	53	74
TR0001R	93	96	93	93	90	26	90	100	56	96	100	74

Table 2.9: Monthly arithmetic averages of sulphate in aerosols in 1997. (Unit: µg S/m³).

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	AT0002R	-	0.76	1.48	0.91	0.91	2.10	1.10	1.48	1.06	0.78	1.23	1.23
	CH0001F	0.05	0.04	0.12	0.16	0.22	0.15	0.14	0.33	0.17	0.06	0.04	0.04
	CH0002F	2.22	0.68	0.89	0.79	0.70	0.51	0.58	1.01	0.82	0.89	1.24	0.74
	CH0005F	0.57	0.29	0.74	0.72	0.67	0.41	0.51	0.87	1.03	0.67	0.43	0.26
	CS0001R	2.34	1.10	1.59	1.28	1.32	1.49	1.23	1.65	1.51	1.19	1.42	1.03
	CS0003R	2.91	0.92	1.47	1.24	1.16	1.14	1.27	1.83	1.32	0.97	1.03	1.11
	DE0001R	1.34	1.13	1.07	0.79	0.64	0.73	0.69	0.96	0.88	0.76	1.08	1.07
	DE0002R	1.78	0.53	0.93	0.46	0.48	0.46	0.47	0.86	0.53	0.41	1.35	0.77
	DE0003R	0.32	0.25	0.50	0.52	0.45	0.33	0.38	0.71	0.54	0.39	0.24	0.25
	DE0004R	1.67	0.50	0.88	0.69	0.51	0.51	0.56	0.85	0.71	0.53	0.55	0.49
	DE0005R	0.77	0.31	0.68	0.70	0.52	0.55	0.44	0.85	0.75	0.51	0.54	0.35
	DE0007R	1.57	0.47	0.88	0.39	0.43	0.44	0.40	0.72	0.42	0.40	1.29	0.76
	DE0008R	0.94	0.31	0.65	0.43	0.47	0.51	0.41	0.82	0.55	0.41	0.43	0.34
	DE0009R	1.00	0.49	0.78	0.37	0.35	0.47	0.37	0.65	0.38	0.33	1.03	0.69
	DK0003R	1.10	0.86	1.03	0.68	0.75	0.99	0.79	1.46	0.70	0.53	1.08	0.97
	DK0005R	1.17	0.98	1.18	0.80	0.90	1.41	1.12	1.86	0.79	0.62	1.35	1.00
	DK0008R	0.81	0.73	0.77	0.66	0.77	1.28	0.95	1.68	0.78	0.58	1.06	0.79
	ES0001R	0.70	0.64	0.95	0.80	0.62	0.62	1.29	0.92	1.12	0.47	0.33	0.28
	ES0003R	1.15	1.88	2.90	1.95	1.91	1.94	2.12	1.91	2.13	1.49	0.95	0.74
	ES0004R	1.12	1.22	1.71	1.42	1.24	1.23	1.83	1.61	2.58	1.31	0.77	0.67
	ES0005R	0.62	0.64	1.60	1.83	0.83	1.17	2.25	2.45	2.46	1.22	0.37	0.42
	ES0006R	-	1.22	1.33	1.23	1.70	1.30	1.52	1.70	1.99	1.15	0.62	0.65
	ES0007R	0.41	0.70	1.16	1.12	0.96	0.82	2.14	1.31	1.36	0.67	0.52	0.30
	FI0004F	0.28	0.65	0.58	0.34	0.44	-	-	-	-	-	-	-
	FI0009F	0.50	0.75	0.61	0.49	0.64	0.72	0.68	1.07	0.43	0.28	0.94	0.83
	FI0017F	0.53	0.93	0.89	0.70	0.73	0.72	0.69	0.90	0.49	0.36	0.90	1.16
	FI0022F	0.28	0.47	0.71	0.52	0.55	0.46	0.43	0.40	0.33	0.22	0.56	0.46
	FI0037F	-	-	-	-	0.40	0.42	0.47	0.52	0.29	0.20	0.65	0.67
	FR0003F	1.00	0.55	0.73	0.76	0.69	0.63	0.76	0.69	0.77	0.68	0.44	0.42
	FR0005F	1.58	0.63	0.45	0.46	0.65	0.63	1.00	0.73	0.83	0.46	0.34	0.40
	FR0008F	1.00	0.37	0.98	0.63	0.64	0.54	0.74	1.07	0.66	0.52	0.38	0.32
	FR0009F	1.90	0.62	1.28	1.01	0.77	0.85	1.05	1.54	1.14	0.75	0.76	0.80
	FR0010F	0.81	0.42	0.83	0.92	0.58	0.64	0.73	1.05	0.81	0.65	0.40	0.47
	FR0011F	0.59	0.35	0.51	0.61	0.62	0.44	0.51	0.81	0.59	0.41	0.23	0.31
	FR0012F	0.35	0.47	0.83	0.78	1.51	0.70	0.76	0.52	1.94	0.74	0.27	0.17
	GB0002R	0.88	0.38	0.62	0.62	0.82	0.69	0.69	1.11	0.72	0.44	0.67	0.50
	GB0004R	1.92	0.67	1.26	1.07	0.85	0.97	1.13	1.62	1.03	0.64	0.95	0.76
	GB0006R	1.15	0.25	0.47	0.69	0.87	0.63	0.50	0.49	0.71	0.47	0.36	0.43
	GB0007R	2.40	1.25	1.30	1.24	1.11	1.19	1.20	1.64	1.16	0.79	0.86	0.86
	GB0013R	1.72	0.49	0.57	-	0.85	0.95	0.68	1.08	0.93	0.57	0.53	0.55
	GB0015R	0.52	0.21	0.30	0.35	0.52	0.46	0.57	0.70	0.56	0.31	0.41	0.30
	GB0016R	0.62	0.30	0.51	0.53	0.63	0.81	0.64	1.27	0.87	0.37	0.85	0.47
I	GR0001R	0.25	0.25	2.94	2.06	1.99	1.33	0.55	-	0.25	1.71	3.03	2.56
Q	HU0002R	4.68	2.35	2.03	1.66	1.52	1.90	1.77	1.29	1.39	1.21	2.45	2.03
	IE0001R	1.23	0.48	0.65	1.10	0.92	0.68	0.60	0.56	0.81	0.70	0.40	0.52
	IE0002R	0.72	0.18	0.66	0.66	0.68	0.48	0.51	0.56	0.66	0.56	0.39	0.62
	IE0003R	0.63	0.21	0.20	0.40	0.65	0.54	0.43	0.48	0.57	0.58	0.34	0.28
	IE0004R	0.32	0.13	0.35	0.41	0.57	0.42	0.34	0.38	0.35	0.31	0.15	0.25
	IS0002R	0.70	0.27	0.38	0.34	0.28	0.28	0.23	0.25	0.17	0.11	0.08	0.13
	IT0001R	1.09	1.08	1.42	1.13	1.63	1.79	1.73	1.33	1.83	0.95	0.58	0.51
	IT0004R	0.90	1.92	1.31	1.21	1.36	1.24	1.17	1.61	2.29	1.41	0.79	0.90
Q	LV0010R	0.99	0.94	0.86	0.73	0.89	0.69	0.91	0.86	0.90	0.65	1.31	0.94
Q	LV0016R	1.02	0.99	0.71	0.79	0.38	0.70	0.39	0.53	0.41	0.41	1.15	1.28
	NL0009R	1.81	1.01	1.25	0.92	0.93	1.00	1.12	1.67	0.64	0.63	1.37	0.98
	NL0010R	2.21	0.90	1.24	0.85	0.55	0.55	1.19	1.84	1.14	0.60	1.18	0.89
	NO0001R	0.46	0.43	0.49	0.33	0.43	0.76	0.61	1.16	0.41	0.23	0.69	0.44
	NO0008R	0.27	0.33	0.43	0.37	0.33	0.72	0.52	0.94	0.30	0.16	0.52	0.25
	NO0015R	0.17	0.26	0.33	0.18	0.22	0.42	0.31	0.59	0.23	0.12	0.23	0.19
	NO0039R	0.12	0.16	0.18	0.20	0.17	0.36	0.37	0.63	0.14	0.06	0.16	0.07
	NO0041R	0.18	0.26	0.30	0.21	0.21	0.39	0.33	0.70	0.28	0.07	0.40	0.26
	NO0042R	0.21	0.38	0.37	0.31	0.19	0.21	0.07	0.22	0.05	0.08	0.10	0.09
	NO0055R	0.15	0.37	0.51	0.54	0.34	0.29	0.33	0.33	0.20	0.20	0.36	0.24
	PL0002R	3.40	2.68	3.07	2.50	2.21	2.59	1.58	1.62	1.62	1.45	2.85	1.75
	PL0003R	0.68	0.66	0.72	0.94	0.70	0.85	1.10	1.14	1.02	0.49	0.37	0.42
	PL0004R	1.94	1.53	1.86	1.50	1.09	1.96	1.05	1.17	0.55	0.63	1.06	1.52
	PL0005R	2.19	1.37	1.20	0.74	1.38	0.61	0.62	0.81	0.80	0.92	1.83	2.02
	RU0001R	-	0.41	0.37	1.23	0.17	0.59	0.44	0.38	-	-	-	0.23

Table 2.9 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RU0013R	0.39	0.63	0.86	0.62	0.43	0.28	0.17	0.32	0.31	0.27	-	0.89
RU0016R	0.48	0.72	0.67	0.63	0.48	0.46	0.44	0.63	0.37	0.36	-	0.77
SE0002F	0.81	0.83	0.80	0.56	0.52	0.80	0.71	1.14	0.66	0.33	0.95	0.91
SE0005F	0.12	0.25	0.30	0.13	0.23	0.33	0.31	0.48	0.20	0.09	0.23	0.18
SE0008F	0.60	0.67	0.45	0.44	0.43	0.67	0.53	0.94	0.51	0.34	1.04	0.88
SE0011F	0.91	0.73	0.68	0.59	0.62	0.98	0.75	1.19	0.61	0.47	0.94	0.77
SE0012F	0.47	0.51	0.50	0.33	0.47	0.66	0.63	1.14	0.27	0.26	0.93	0.90
SE0013F	0.10	0.18	0.29	0.20	0.20	0.31	0.31	0.30	0.11	0.09	0.25	0.15
SI0008R	2.33	1.09	1.19	1.00	1.41	1.34	0.82	1.47	1.70	1.14	0.59	0.63
SK0002R	0.24	0.22	0.69	0.80	0.83	1.01	0.78	1.33	0.98	0.44	0.31	0.44
SK0004R	1.64	1.24	1.21	1.30	1.18	1.63	1.17	1.38	1.40	0.91	1.19	0.84
SK0005R	3.23	1.51	1.64	1.56	1.43	1.64	1.13	1.20	1.50	1.10	1.25	1.13
SK0006R	2.73	2.51	1.40	1.62	1.60	1.79	1.20	1.29	1.42	1.34	1.37	1.08
TR0001R	0.64	0.44	0.57	0.54	0.40	0.13	0.16	0.20	0.24	0.09	0.56	0.21

Table 2.10: Sulphate in aerosols 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	0	35	96	100	96	26	74	45	90	100	100	74
CH0001F	96	96	83	96	100	100	96	96	100	96	100	93
CH0002F	100	96	100	100	100	100	100	96	100	100	100	96
CH0005F	100	92	96	100	90	96	100	100	100	100	96	100
CS0001R	100	96	100	100	100	100	100	100	100	100	100	100
CS0003R	96	100	100	100	100	100	100	100	93	100	100	96
DE0001R	96	100	100	100	100	100	100	100	100	100	100	100
DE0002R	96	100	96	100	100	100	100	100	100	100	100	100
DE0003R	100	100	100	100	100	100	100	100	100	100	100	100
DE0004R	100	100	100	100	100	100	90	100	100	100	100	100
DE0005R	100	100	100	100	100	100	100	100	100	100	100	100
DE0007R	100	100	100	100	100	100	100	100	100	96	100	100
DE0008R	100	100	100	100	100	100	100	100	100	100	100	100
DE0009R	96	100	100	100	96	100	100	100	100	100	100	100
DK0003R	100	100	87	96	100	56	74	100	100	100	100	100
DK0005R	96	100	100	100	96	96	100	96	96	100	100	93
DK0008R	100	100	90	86	87	50	100	96	100	100	100	100
ES0001R	93	100	96	96	90	96	93	100	96	100	100	96
ES0003R	100	89	70	83	100	96	100	100	80	96	60	96
ES0004R	90	100	67	100	96	100	100	96	83	100	93	100
ES0005R	51	92	100	100	80	60	83	58	3	3	36	87
ES0006R	0	60	100	76	96	93	96	100	100	93	100	96
ES0007R	90	100	90	73	96	100	96	100	100	100	56	96
FI0004F	100	100	100	100	93	0	0	0	0	0	0	0
FI0009F	100	100	96	100	100	100	64	25	100	100	100	96
FI0017F	100	100	100	100	100	100	100	100	100	100	100	100
FI0022F	100	100	100	100	93	93	100	100	100	100	100	100
FI0037F	0	0	0	0	6	86	90	93	100	100	100	100
FR0003F	48	92	100	76	100	86	100	93	96	100	100	100
FR0005F	67	100	100	100	93	100	90	83	100	100	96	100
FR0008F	87	100	100	100	100	100	96	100	100	100	100	100
FR0009F	100	100	100	100	100	100	100	100	100	100	100	100
FR0010F	96	100	100	100	100	100	93	74	90	74	100	54
FR0011F	100	96	90	100	100	100	90	87	100	100	100	45
FR0012F	77	78	80	96	96	100	100	12	26	100	96	100
GB0002R	100	100	100	100	100	100	100	100	100	100	96	100
GB0004R	93	100	100	100	100	100	100	100	100	100	100	100
GB0006R	100	100	100	100	100	96	100	90	100	100	90	100
GB0007R	96	100	100	100	100	100	100	100	100	100	100	100
GB0013R	100	89	100	0	77	73	96	96	93	93	100	100
GB0015R	74	100	100	100	96	100	100	100	96	58	100	93
GB0016R	100	100	100	100	100	96	96	100	93	100	100	100
I GR0001R	6	89	96	93	67	63	45	0	40	83	93	77
Q HU0002R	100	96	96	100	100	100	90	48	100	100	100	96
IE0001R	100	100	100	100	96	100	100	100	100	96	96	93
IE0002R	96	100	100	100	100	100	100	100	96	100	100	77
IE0003R	100	100	100	96	100	100	100	100	100	100	100	100
IE0004R	74	100	100	100	100	100	100	100	100	100	100	96

Table 2.10 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100
IT0001R	100	100	100	100	100	100	100	48	100	100	100	100
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100
Q LV0010R	61	100	90	100	100	100	100	100	100	100	96	100
Q LV0016R	93	96	90	90	93	33	90	93	100	100	96	90
NL0009R	93	100	100	100	100	100	100	100	100	100	100	100
NL0010R	100	100	100	100	100	93	100	83	46	100	100	96
NO0001R	83	100	100	100	100	100	96	90	100	100	100	100
NO0008R	100	100	100	100	96	93	100	90	100	100	100	100
NO0015R	100	100	100	100	100	100	96	93	100	100	100	96
NO0039R	100	100	100	100	100	96	100	100	100	100	100	100
NO0041R	96	100	100	93	100	100	96	96	100	96	100	100
NO0042R	100	100	96	96	83	100	100	96	100	100	100	93
NO0055R	70	100	96	100	87	86	93	96	100	100	100	100
PL0002R	100	100	96	100	100	100	96	100	100	100	96	100
PL0003R	100	100	100	100	100	100	93	96	100	100	100	100
PL0004R	100	100	100	100	100	100	100	100	86	100	93	100
PL0005R	90	100	100	100	100	96	100	100	100	100	93	87
RU0001R	0	67	77	20	64	76	87	67	0	0	0	54
RU0013R	54	53	80	83	58	86	87	80	90	64	0	16
RU0016R	96	100	83	96	70	96	96	100	100	51	0	70
SE0002F	100	100	100	100	100	100	96	96	100	93	96	100
SE0005F	100	100	100	100	96	96	100	96	100	100	100	96
SE0008F	100	96	96	100	100	100	100	100	100	100	100	100
SE0011F	100	100	100	100	100	100	100	96	96	96	100	100
SE0012F	100	100	100	100	100	93	93	100	100	100	100	100
SE0013F	100	100	100	96	100	100	100	100	96	96	100	48
SI0008R	90	100	100	100	100	100	100	100	100	100	100	100
SK0002R	96	100	100	100	100	100	100	100	100	90	100	100
SK0004R	96	100	100	96	100	100	100	96	100	100	100	100
SK0005R	96	100	100	100	100	100	93	100	100	100	90	64
SK0006R	93	100	96	100	96	100	96	100	100	100	100	100
TR0001R	93	96	93	93	90	26	90	100	56	96	100	74

Table 2.11: Monthly arithmetic averages of nitrate in aerosols in 1997. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CS0001R	0.63	1.29	0.91	0.83	0.38	0.31	1.03	0.80	0.92	0.35	0.66	0.71
CS0003R	0.73	0.70	0.93	0.90	0.49	0.43	0.40	0.44	0.90	0.62	0.82	0.51
IT0001R	1.49	1.59	1.72	0.77	0.68	0.72	0.49	0.31	0.49	0.62	0.60	0.69
IT0004R	1.51	3.51	2.74	1.39	1.13	0.70	0.60	0.64	1.24	1.98	1.76	1.13
LT0015R	1.37	0.98	0.73	0.54	0.65	0.25	0.46	0.52	0.57	0.45	0.79	0.91
LV0010R	0.90	0.75	0.75	0.68	0.74	0.58	0.45	0.55	0.57	0.37	0.90	0.53
LV0016R	0.45	0.51	0.36	0.30	-	-	0.16	0.26	0.07	0.30	0.53	0.37
NL0009R	1.41	1.03	1.46	1.08	0.92	0.69	0.82	0.99	0.77	0.81	1.09	0.80
NL0010R	1.47	0.70	1.28	1.26	0.68	0.49	1.24	1.31	1.68	0.61	0.81	0.76
PL0002R	1.06	1.04	1.14	0.60	0.64	0.48	0.22	0.23	0.57	0.78	0.65	0.78
PL0003R	0.10	0.19	0.27	0.39	0.35	0.21	0.14	0.29	0.35	0.10	0.08	0.10
PL0004R	0.76	0.75	0.78	0.46	0.52	0.41	0.34	0.36	0.38	0.27	0.64	0.70
RU0001R	-	0.07	0.03	0.03	0.02	0.05	0.04	0.05	-	-	-	0.04
RU0013R	0.03	0.07	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	-	0.05
RU0016R	0.14	0.24	0.23	0.17	0.16	0.17	0.18	0.20	0.15	0.09	-	0.11
SK0002R	0.06	0.07	0.17	0.35	0.17	0.13	0.10	0.23	0.24	0.07	0.06	0.06
SK0004R	0.29	0.51	0.50	0.41	0.30	0.35	0.14	0.24	0.33	0.24	0.30	0.22
SK0005R	0.92	0.77	0.94	0.63	0.50	0.37	0.29	0.37	0.49	0.41	0.43	0.35
SK0006R	0.33	0.54	0.43	0.35	0.46	0.33	0.21	0.23	0.28	0.33	0.33	0.14
TR0001R	0.19	0.12	0.04	0.09	0.06	0.01	0.02	0.03	0.04	0.04	0.20	0.11

Table 2.12: Nitrate in aerosols 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CS0001R	100	100	96	100	100	93	93	100	100	100	100	100
CS0003R	96	96	100	96	100	100	100	100	93	100	100	100
IT0001R	100	100	100	100	100	100	100	48	100	100	100	100
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	86	96	93	100	80	100	96	96	96
LV0010R	61	100	90	100	100	100	100	100	100	100	96	100
LV0016R	90	92	90	96	0	0	96	93	100	100	96	90
NL0009R	93	100	100	100	100	100	100	100	100	100	100	100
NL0010R	100	100	100	100	100	93	100	83	46	100	100	96
PL0002R	100	100	96	100	100	100	96	100	100	100	96	100
PL0003R	100	100	100	100	100	100	93	96	100	100	100	100
PL0004R	100	100	100	100	100	100	100	100	86	100	93	100
RU0001R	0	67	77	20	64	76	87	67	0	0	0	54
RU0013R	54	53	80	83	58	86	87	80	90	64	0	16
RU0016R	96	100	83	96	70	96	96	100	100	51	0	70
SK0002R	96	100	100	100	100	100	100	100	100	90	100	100
SK0004R	96	100	100	96	100	100	100	96	100	100	100	100
SK0005R	96	100	100	100	100	100	90	100	100	100	90	64
SK0006R	93	100	96	100	96	100	96	100	100	100	100	100
TR0001R	93	96	93	93	90	26	90	100	56	96	100	74

Table 2.13: Monthly arithmetic averages of ammonia in aerosols in 1997. (Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CS0001R	1.70	2.07	2.18	0.98	1.02	1.20	4.10	4.54	1.94	1.10	2.16	1.25
CS0003R	2.42	0.90	1.74	1.40	1.07	1.29	1.08	1.77	1.44	1.20	1.93	1.13
ES0001R	0.38	0.69	0.83	0.53	0.23	0.29	0.71	0.47	0.61	0.17	0.12	0.14
ES0003R	1.04	2.00	1.85	0.91	0.71	0.51	0.61	0.23	0.66	0.51	0.40	0.39
ES0004R	1.08	1.06	1.28	1.00	0.53	0.46	0.66	0.34	0.80	0.44	0.51	0.54
ES0005R	0.40	0.34	0.86	1.42	0.28	0.27	1.03	0.91	1.17	0.29	0.04	0.11
ES0006R	-	0.58	0.61	0.55	0.33	0.12	0.14	0.18	0.38	0.13	0.11	0.10
ES0007R	0.18	0.66	0.82	0.59	0.31	0.23	0.65	0.46	0.80	0.20	0.09	0.09
HU0002R	1.64	3.12	2.55	1.56	1.10	1.80	1.03	1.69	1.75	1.53	2.34	2.64
IT0001R	2.34	2.18	2.44	1.53	1.65	1.69	1.70	1.33	2.01	1.35	1.13	1.08
IT0004R	2.17	4.97	3.23	2.07	1.90	1.44	1.31	1.75	2.62	2.71	2.15	1.64
LT0015R	1.23	2.44	1.45	1.04	0.82	0.36	1.16	0.51	0.81	0.49	1.44	1.03
LV0010R	0.92	1.30	1.03	1.01	0.78	0.76	0.65	0.45	0.76	0.73	1.66	1.49
LV0016R	0.45	0.52	0.61	0.45	-	-	0.34	0.35	0.25	0.31	0.90	0.57
NL0009R	2.49	1.60	2.23	1.56	1.45	1.28	1.47	2.11	1.08	1.11	2.03	1.55
NL0010R	3.06	1.27	2.04	1.78	1.11	0.91	2.00	2.67	2.40	1.06	1.48	1.59
PL0002R	3.70	1.90	1.27	0.93	1.89	1.72	1.36	0.78	1.11	1.64	1.85	2.21
PL0003R	0.48	0.37	1.11	0.80	0.58	0.80	0.75	1.17	0.99	0.38	0.35	0.38
PL0004R	1.38	1.00	1.37	0.93	0.67	1.19	0.88	1.21	0.79	0.62	1.52	1.38
RU0001R	-	0.21	0.14	0.33	0.10	0.20	0.20	0.26	-	-	-	0.16
RU0013R	0.29	0.55	0.67	0.35	0.28	0.24	0.16	0.19	0.25	0.24	-	0.66
RU0016R	0.27	0.38	0.36	0.37	0.36	0.39	0.34	0.51	0.32	0.24	-	0.83
TR0001R	0.52	0.22	0.43	0.45	0.24	0.10	0.14	0.16	0.21	0.08	0.34	0.10

Table 2.14: Ammonia in aerosols 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CS0001R	100	100	96	100	100	93	93	100	100	100	100	100
CS0003R	96	96	100	96	100	100	100	100	93	100	100	100
ES0001R	93	100	96	96	90	96	93	100	96	100	100	96
ES0003R	100	89	70	83	100	96	100	100	80	96	60	96
ES0004R	90	100	67	100	96	100	100	96	83	100	93	100
ES0005R	51	92	100	100	80	60	83	58	3	3	33	83
ES0006R	0	60	100	76	96	93	96	100	100	93	100	96
ES0007R	90	100	90	73	96	100	96	100	100	100	56	96
HU0002R	35	96	96	100	100	100	90	100	100	100	100	93
IT0001R	100	100	100	100	100	100	100	48	100	100	100	100
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100

Table 2.14 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
LT0015R	100	100	100	86	96	93	100	80	100	96	96	96
LV0010R	61	100	90	100	100	100	100	100	100	100	96	100
LV0016R	83	85	93	80	0	0	96	67	100	96	96	90
NL0009R	93	100	100	100	100	100	100	100	100	100	100	100
NL0010R	100	100	100	100	100	93	100	83	46	100	100	96
PL0002R	100	100	96	100	100	100	96	100	100	100	96	100
PL0003R	100	100	100	100	100	100	93	96	100	100	100	100
PL0004R	100	100	100	100	100	100	100	100	86	100	93	100
RU0001R	0	67	77	20	64	76	87	67	0	0	0	54
RU0013R	54	53	80	83	58	86	87	80	90	64	0	16
RU0016R	96	100	83	96	70	96	96	100	100	51	0	70
TR0001R	90	96	93	93	90	26	90	100	56	96	100	74

Table 2.15: Monthly arithmetic averages of strong acid in aerosols in 1997. (Unit: ne H/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ES0001R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ES0003R	1.	1.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
ES0004R	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.
ES0005R	0.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.
ES0006R	-	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	2.
ES0007R	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.
HU0002R	90.	8.	-1.	-35.	-38.	-2.	-11.	6.	-1.	-19.	-5.	5.
IT0004R	15.	25.	11.	6.	8.	9.	10.	15.	21.	19.	15.	8.

Table 2.16: Strong acid in aerosols 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ES0001R	93	96	96	96	90	96	93	100	96	100	100	96
ES0003R	100	89	70	80	100	96	100	100	80	96	60	96
ES0004R	90	100	67	100	96	100	100	96	83	100	93	96
ES0005R	51	92	100	100	80	60	83	58	3	3	33	83
ES0006R	0	60	100	76	96	93	96	100	100	93	100	96
ES0007R	90	100	90	73	96	100	96	100	96	100	56	96
HU0002R	35	46	45	43	48	46	48	48	50	51	46	41
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100

Table 2.17: Monthly arithmetic averages of suspended particulate matter in 1997. (Unit: µg SPM/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CH0001F	4.3	2.3	5.8	3.1	4.6	3.5	4.6	6.7	3.1	2.1	1.1	0.9
CH0002F	55.3	25.9	31.1	19.9	14.6	13.9	15.9	22.7	27.2	20.2	40.2	25.1
CH0003F	68.0	25.6	33.6	21.5	17.1	12.5	15.8	21.3	24.0	26.1	36.6	22.1
CH0004F	9.8	9.1	21.8	16.6	13.3	10.6	11.6	20.1	20.4	13.7	11.4	6.3
CH0005F	12.3	8.7	23.6	18.8	16.1	9.5	12.8	19.4	19.1	14.8	11.3	6.4
DE0001R	29.7	31.3	30.3	26.0	21.0	26.3	25.9	34.1	18.3	19.6	29.6	23.7
DE0002R	37.7	19.7	31.5	27.0	21.9	16.4	17.9	30.9	20.4	15.4	30.1	21.3
DE0003R	8.7	7.6	19.0	21.5	14.8	12.0	14.8	21.2	18.6	11.1	5.9	4.3
DE0004R	30.8	18.2	28.8	28.2	18.0	17.5	17.8	25.6	22.1	16.7	9.8	14.8
DE0005R	16.7	14.1	19.8	20.4	16.9	15.1	13.7	21.1	20.4	10.3	11.0	6.8
DE0007R	35.3	18.2	29.9	23.3	22.3	16.3	15.1	30.9	15.5	15.8	28.7	24.7
DE0008R	18.2	13.5	23.0	21.7	18.5	17.8	16.2	24.5	19.6	12.2	11.2	10.2
DE0009R	28.0	19.9	27.9	21.9	18.5	25.0	19.9	36.8	22.8	14.4	27.0	23.5
ES0001R	18.0	18.1	34.9	24.1	16.5	15.2	24.7	27.4	24.8	17.8	8.0	5.9
ES0003R	41.2	67.0	96.6	52.4	40.5	36.2	36.3	41.0	41.1	41.4	24.3	25.3
ES0004R	31.7	41.8	65.8	44.5	31.9	25.7	24.6	30.0	37.9	33.9	21.2	17.9
ES0005R	16.5	22.8	48.5	34.2	13.9	14.5	23.3	21.7	86.0	43.0	13.8	11.9
ES0006R	-	27.8	31.5	33.2	32.5	27.8	25.9	27.1	25.4	34.6	22.3	25.0

Table 2.17 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ES0007R	23.3	31.5	45.5	30.0	31.0	32.1	46.9	41.6	32.9	23.1	16.7	9.7
IT0004R	48.1	72.7	65.9	36.8	32.1	24.5	34.7	35.7	58.0	57.9	56.7	41.0

Table 2.18: Suspended particulate matter 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CH0001F	100	50	61	86	87	80	35	93	100	80	73	87
CH0002F	100	100	100	100	100	100	100	100	100	41	100	93
CH0003F	100	100	100	100	100	93	93	100	93	61	100	100
CH0004F	87	100	100	100	100	96	93	96	96	100	93	83
CH0005F	100	100	100	100	100	100	100	100	96	100	100	96
DE0001R	93	85	96	100	100	100	100	100	96	96	86	100
DE0002R	100	100	100	100	93	90	93	93	100	100	90	100
DE0003R	100	100	100	90	100	100	77	93	100	93	96	93
DE0004R	100	100	96	100	100	100	100	100	100	100	100	100
DE0005R	100	100	77	96	100	100	96	100	100	100	100	100
DE0007R	93	100	100	100	100	90	90	100	93	100	100	67
DE0008R	100	100	100	100	100	96	100	100	100	100	100	93
DE0009R	100	100	100	100	100	100	100	96	100	100	100	96
ES0001R	93	100	96	96	90	96	93	100	96	100	96	93
ES0003R	100	89	70	83	100	96	100	100	80	93	60	96
ES0004R	90	100	67	100	96	100	93	96	83	96	93	100
ES0005R	51	92	100	100	80	60	83	51	3	3	30	83
ES0006R	0	60	100	76	96	93	96	96	100	93	100	96
ES0007R	90	100	90	73	96	100	96	100	100	100	56	93
IT0004R	100	100	100	100	100	100	100	100	100	100	100	100

Table 2.19: Monthly arithmetic averages of the sum of nitric acid and nitrate in aerosols in 1997.
(Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CH0002F	2.80	1.22	1.62	1.18	0.78	0.70	0.43	0.62	1.53	1.26	2.31	1.00
DK0003R	1.42	0.87	1.14	0.77	0.72	0.73	0.46	0.77	0.56	0.70	1.13	0.97
DK0005R	1.46	1.31	1.88	1.08	0.83	0.85	0.71	1.23	1.00	0.84	1.14	1.08
DK0008R	0.86	0.92	0.91	0.84	0.72	0.64	0.59	1.02	0.69	0.65	0.89	0.82
ES0001R	0.29	0.39	0.68	0.53	0.30	0.27	0.46	0.37	0.38	0.34	0.22	0.22
ES0003R	0.73	1.22	1.64	0.78	0.71	0.53	0.55	0.58	0.59	0.42	0.17	0.28
ES0004R	0.20	0.22	0.20	0.05	0.04	0.06	0.05	0.10	0.10	0.24	0.22	0.13
ES0005R	0.04	0.05	0.05	0.04	0.04	0.06	0.02	0.02	0.04	0.20	0.11	0.12
ES0006R	-	0.89	0.51	1.12	0.88	0.22	0.15	0.09	0.04	0.15	0.31	0.14
ES0007R	0.02	0.04	0.12	0.04	0.04	0.09	0.28	0.27	0.24	0.23	0.26	0.25
FI0004F	0.09	0.18	0.11	0.06	0.11	-	-	-	-	-	-	-
FI0009F	0.35	0.54	0.31	0.24	0.38	0.41	0.28	0.51	0.24	0.20	0.38	0.35
FI0017F	0.27	0.44	0.32	0.23	0.27	0.24	0.24	0.27	0.20	0.16	0.22	0.30
FI0022F	0.05	0.08	0.06	0.04	0.04	0.06	0.04	0.05	0.05	0.03	0.07	0.06
FI0037F	-	-	-	-	0.07	0.11	0.09	0.13	0.10	0.07	0.15	0.15
GB0002R	0.56	0.13	0.37	0.40	0.40	0.27	0.27	0.55	0.41	0.29	0.45	0.25
GB0014R	1.02	0.46	0.86	0.79	0.93	0.67	0.63	1.32	0.66	0.73	1.09	0.49
HU0002R	1.93	1.84	1.55	0.89	0.73	0.53	0.48	0.48	0.61	0.81	1.35	1.33
LT0015R	1.51	1.51	1.00	0.75	0.50	0.62	0.68	1.59	0.94	0.84	1.02	1.28
LV0010R	1.22	1.30	1.13	1.12	1.11	0.94	0.84	0.76	0.86	0.47	1.20	0.63
LV0016R	0.63	0.65	0.56	0.35	0.28	0.26	0.27	0.27	0.26	0.35	0.58	0.42
NO0001R	0.29	0.22	0.24	0.17	0.25	0.28	0.20	0.36	0.16	0.12	0.36	0.20
NO0008R	0.18	0.10	0.21	0.18	0.18	0.27	0.18	0.30	0.19	0.08	0.20	0.12
NO0015R	0.07	0.09	0.05	0.07	0.05	0.11	0.07	0.12	0.05	0.10	0.06	0.05
NO0039R	0.08	0.05	0.04	0.07	0.04	0.13	0.08	0.16	0.05	0.03	0.07	0.07
NO0041R	0.11	0.09	0.10	0.09	0.07	0.12	0.06	0.17	0.09	0.04	0.13	0.09
NO0042R	0.04	0.06	0.08	0.08	0.03	0.06	0.04	0.10	0.09	0.12	0.06	0.09
NO0055R	0.05	0.08	0.05	0.08	0.03	0.07	0.04	0.10	0.12	0.04	0.09	0.07
PL0002R	1.26	1.22	1.38	0.85	0.85	0.64	0.30	0.30	0.60	0.89	0.70	1.10

Table 2.19 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PL0003R	0.14	0.32	0.53	0.49	0.48	0.36	0.20	0.44	0.55	0.17	0.14	0.12
PL0004R	1.16	0.97	0.90	0.58	0.57	0.51	0.43	0.53	0.40	0.31	0.75	0.77
PL0005R	1.34	1.09	0.98	0.55	0.42	0.35	0.22	0.33	0.46	0.48	0.72	0.88
SE0002F	0.62	0.69	0.67	0.51	0.43	0.44	0.41	0.55	0.45	0.41	0.64	0.55
SE0005F	0.04	0.07	0.05	0.03	0.04	0.06	0.05	0.07	0.04	0.03	0.04	0.04
SE0011F	0.66	0.69	0.73	0.61	0.51	0.47	0.34	0.45	0.50	0.46	0.70	0.54
SE0012F	0.26	0.31	0.22	0.18	0.21	0.27	0.20	0.33	0.16	0.15	0.28	0.27
SI0008R	0.47	0.51	0.47	0.31	0.28	0.21	0.10	0.13	0.20	0.38	0.33	0.19
TR0001R	0.23	0.19	0.11	0.15	0.14	0.06	0.08	0.08	0.09	0.08	0.28	0.14

Table 2.20: Sum of nitric acid and nitrate in aerosols in 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CH0002F	100	100	100	100	90	100	100	100	100	100	100	100
DK0003R	100	100	87	100	100	56	74	100	100	100	100	100
DK0005R	96	100	100	100	96	96	100	96	96	100	100	93
DK0008R	74	100	90	86	87	50	100	96	100	100	100	100
ES0001R	83	92	100	100	96	100	100	96	100	100	96	100
ES0003R	96	85	100	100	100	100	90	83	93	54	100	90
ES0004R	83	100	93	100	100	100	90	6	70	100	100	96
ES0005R	51	67	96	80	67	20	90	93	100	54	23	83
ES0006R	0	89	100	73	74	76	93	80	83	74	93	77
ES0007R	93	100	96	86	96	83	19	45	90	93	80	93
FI0004F	100	96	100	100	93	0	0	0	0	0	0	0
FI0009F	100	100	93	100	100	100	64	25	100	100	100	93
FI0017F	100	100	100	100	100	100	100	100	100	100	100	100
FI0022F	100	100	100	100	93	93	100	100	100	100	100	100
FI0037F	0	0	0	0	6	86	90	93	100	100	100	100
GB0002R	100	96	100	100	100	100	100	100	96	100	100	96
GB0014R	100	100	100	96	100	100	100	100	93	100	100	48
HU0002R	100	96	96	100	100	100	90	48	100	100	100	96
LT0015R	100	100	100	100	87	100	90	90	100	93	96	96
LV0010R	61	100	90	100	100	100	74	96	90	96	96	100
LV0016R	93	96	90	96	70	33	87	93	100	100	96	90
NO0001R	83	100	100	100	100	100	96	90	100	100	100	100
NO0008R	96	100	100	100	96	93	100	90	100	100	100	100
NO0015R	100	100	100	100	100	100	96	93	100	100	100	96
NO0039R	100	100	100	100	100	96	100	100	100	100	100	100
NO0041R	96	100	100	93	100	100	96	96	100	96	100	96
NO0042R	100	100	96	96	83	100	100	96	100	100	100	93
NO0055R	70	100	96	100	87	86	93	96	100	100	76	100
PL0002R	100	100	96	100	100	100	96	100	100	100	96	80
PL0003R	100	100	100	100	100	100	93	96	100	100	100	100
PL0004R	100	100	100	100	100	100	100	100	100	100	93	100
PL0005R	96	96	100	100	100	100	100	87	96	96	100	96
SE0002F	100	100	100	100	100	100	96	96	100	93	96	100
SE0005F	100	100	100	100	96	96	100	96	100	100	100	96
SE0011F	100	100	100	100	100	100	100	96	96	96	100	100
SE0012F	96	100	100	100	100	93	93	100	100	100	100	100
SI0008R	90	100	100	100	100	100	100	100	100	100	100	100
TR0001R	93	96	93	93	90	26	90	100	56	96	100	74

Table 2.21: Monthly arithmetic averages of the sum of ammonia in aerosols in 1997.
(Unit: µg N/m³).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CH0002F	6.41	3.63	6.22	3.68	4.28	3.27	3.05	4.52	4.72	4.10	6.10	3.02
DK0003R	3.78	2.31	3.49	3.69	3.01	3.32	2.92	4.07	2.44	2.22	2.73	2.35
DK0005R	3.36	3.61	5.49	3.83	3.30	3.23	2.78	4.56	2.57	1.98	2.72	2.05
DK0008R	1.60	1.59	1.94	1.68	1.36	1.33	0.95	2.09	1.07	1.01	1.51	1.22
ES0001R	0.03	0.03	0.03	0.03	0.03	0.21	0.14	0.20	0.19	0.16	0.08	0.03
ES0003R	0.07	0.15	0.28	0.20	0.51	0.48	1.21	0.87	0.84	0.85	0.40	0.36
ES0004R	1.02	1.02	2.10	0.49	1.37	1.97	1.58	3.16	3.33	2.76	1.52	1.53
ES0005R	0.03	0.07	0.80	0.62	0.14	0.26	0.63	0.34	0.59	1.63	0.39	0.19
ES0006R	0.03	-	-	-	-	1.12	0.74	0.71	-	0.71	0.50	0.39
ES0007R	0.16	0.58	0.50	0.39	0.89	2.08	1.62	1.38	1.30	1.05	0.83	0.17
FI0004F	0.09	0.30	0.29	0.17	0.35	-	-	-	-	-	-	-
FI0009F	0.28	0.52	0.41	0.34	0.45	0.38	0.59	0.85	0.47	0.21	0.48	0.42
FI0017F	0.34	0.73	0.65	0.71	1.19	1.20	2.12	1.49	0.86	0.53	0.79	0.84
FI0022F	0.05	0.15	0.20	0.14	0.15	0.20	0.19	0.22	0.19	0.10	0.16	0.11
FI0037F	-	-	-	-	0.36	0.38	0.48	0.52	0.29	0.19	0.34	0.28
GB0002R	1.30	0.34	0.85	0.98	0.85	0.84	0.89	1.86	1.06	0.84	0.93	0.61
GB0014R	2.18	1.13	2.57	2.18	1.68	1.43	1.62	3.06	1.74	1.52	2.25	1.13
LT0015R	1.99	1.86	2.10	1.60	1.89	4.41	1.95	2.24	1.34	0.89	2.19	3.96
LV0010R	1.56	2.08	1.56	1.42	1.23	1.28	1.49	0.94	1.71	0.97	1.78	1.57
LV0016R	0.60	0.74	0.72	0.57	0.66	1.08	0.70	0.80	0.71	0.49	1.02	0.68
NO0001R	0.36	0.25	0.46	0.33	0.39	0.64	0.57	1.41	0.35	0.52	0.80	0.36
NO0008R	1.18	0.72	1.44	1.61	1.95	1.83	1.62	2.09	0.91	0.94	1.06	1.55
NO0015R	0.95	0.44	1.27	1.61	1.43	3.27	1.49	0.94	0.62	0.83	0.42	0.45
NO0039R	0.15	0.11	0.18	0.19	0.31	1.10	1.47	1.44	0.46	0.18	0.23	0.17
NO0041R	0.17	0.20	0.29	0.28	0.28	0.43	0.42	0.73	0.32	0.46	0.32	0.24
NO0042R	0.08	0.13	0.17	0.12	0.17	0.18	0.10	0.36	0.07	0.06	0.07	0.06
NO0055R	0.07	0.14	0.18	0.16	0.13	0.15	0.20	0.20	0.17	0.11	0.25	0.14
PL0002R	3.79	2.54	3.84	2.91	4.74	4.06	2.89	2.35	2.36	4.07	4.17	2.47
PL0003R	1.73	1.06	1.91	1.79	2.10	2.29	2.39	4.56	2.31	0.69	1.53	1.16
PL0004R	1.52	1.09	1.52	1.15	0.91	1.87	1.84	3.10	1.35	1.13	1.98	1.71
PL0005R	1.59	1.36	1.62	0.79	1.43	1.31	0.81	1.29	1.50	1.40	1.70	1.67
RU0001R	-	0.12	0.10	0.15	0.08	0.17	0.35	0.29	-	-	-	0.13
SE0002F	0.90	0.85	1.14	0.83	0.74	0.95	0.74	1.35	0.69	0.76	1.26	1.00
SE0005F	0.07	0.13	0.16	0.07	0.17	0.27	0.29	0.41	0.15	0.06	0.14	0.06
SE0011F	1.18	0.97	1.37	1.19	1.06	1.46	1.31	1.80	1.11	0.88	1.28	0.90
SE0012F	0.40	0.43	0.49	0.34	0.47	0.54	0.52	1.01	0.33	0.24	0.71	0.59
SI0008R	1.27	1.17	1.45	1.07	1.40	1.38	0.96	1.63	1.52	1.22	0.73	0.54
TR0001R	0.61	0.39	0.64	0.75	0.74	0.26	0.39	0.38	0.40	0.38	0.59	0.19

Table 2.22: Sum of ammonia in aerosols in 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CH0002F	100	100	100	100	90	100	93	93	100	100	100	100
DK0003R	87	82	87	100	100	56	74	100	100	100	76	100
DK0005R	100	89	96	100	96	96	100	96	96	100	76	93
DK0008R	90	85	90	86	87	50	100	96	100	100	76	100
ES0001R	100	100	100	86	80	100	100	93	90	100	90	93
ES0003R	93	92	100	100	96	96	100	96	96	87	86	100
ES0004R	80	100	93	76	100	100	96	93	100	100	96	90
ES0005R	19	67	96	93	77	53	77	93	90	61	96	77
ES0006R	45	0	0	0	0	86	100	51	0	51	83	87
ES0007R	96	100	96	96	96	100	87	80	73	93	43	87
FI0004F	100	100	100	100	93	0	0	0	0	0	0	0
FI0009F	100	100	96	96	100	3	48	93	100	100	100	96
FI0017F	96	100	100	100	100	90	100	100	93	100	100	100
FI0022F	100	100	100	100	100	100	100	100	100	100	100	100
FI0037F	0	0	0	0	6	100	100	100	100	100	100	100
GB0002R	100	92	100	96	100	96	100	100	100	96	100	93
GB0014R	100	100	100	96	100	100	100	100	96	100	100	48
LT0015R	100	100	87	83	90	96	100	96	96	96	96	96
LV0010R	61	100	90	100	100	100	100	100	96	100	90	100
LV0016R	93	85	93	80	93	33	96	100	100	96	96	90

Table 2.22 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO0001R	83	100	100	100	100	100	96	93	100	100	100	100
NO0008R	100	100	100	100	96	93	100	100	100	100	100	100
NO0015R	100	100	100	100	100	100	96	100	100	100	100	96
NO0039R	100	100	100	100	100	93	100	100	100	100	100	100
NO0041R	96	100	100	96	100	100	90	96	100	96	100	96
NO0042R	100	100	96	96	83	100	100	96	100	100	100	90
NO0055R	70	100	96	100	87	86	93	96	100	100	100	100
PL0002R	100	100	96	100	100	100	96	100	100	100	96	83
PL0003R	100	100	100	100	100	100	93	96	100	100	100	100
PL0004R	100	100	100	100	100	100	100	100	100	100	93	100
PL0005R	100	100	100	100	100	100	100	100	100	100	100	100
RU0001R	0	67	77	20	64	76	87	67	0	0	0	54
SE0002F	100	100	100	100	100	100	96	96	100	93	96	100
SE0005F	100	100	96	100	96	96	100	96	96	100	100	96
SE0011F	100	100	96	100	100	100	100	96	96	96	100	100
SE0012F	100	96	100	100	100	93	93	100	100	100	100	100
SI0008R	90	100	100	100	100	100	100	100	100	100	100	100
TR0001R	93	96	93	93	90	26	90	100	56	96	100	74

Annex 3

Monthly weighted mean concentrations of precipitation components

Table 3.1: Monthly precipitation amounts in 1997 (mm).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	6.9	12.3	60.5	48.7	59.4	84.9	0.0	20.0	23.7	10.7	47.3	26.0
AT0004R	3.0	44.4	142.6	112.4	120.8	131.8	303.5	57.6	32.0	129.5	66.6	77.7
AT0005R	39.1	0.0	4.4	27.3	83.1	217.2	83.2	55.5	71.4	6.6	206.7	84.8
CH0002F	42.4	46.7	10.7	50.8	56.3	194.4	69.9	39.4	31.0	52.9	45.8	80.4
CH0003F	3.4	79.2	28.2	69.6	57.1	161.7	145.8	149.2	34.8	59.0	30.5	152.5
CH0004F	44.1	70.0	21.7	49.7	63.1	146.4	147.2	78.0	96.7	65.3	67.0	120.9
CH0005F	20.7	29.9	30.0	91.1	60.5	239.1	249.8	112.7	83.5	59.0	26.3	52.3
CS0001R	18.5	50.4	60.2	73.8	83.3	92.2	350.1	42.3	30.2	39.9	71.1	53.8
CS0003R	15.3	32.1	63.2	74.2	45.1	55.4	186.8	48.9	15.7	49.1	44.5	42.8
DE0001R	0.9	59.4	45.5	22.8	67.8	45.9	72.3	22.4	47.1	71.4	29.3	63.6
DE0002R	5.0	65.0	26.2	29.5	95.0	55.3	118.9	23.1	23.5	29.2	62.5	51.5
DE0003R	45.8	154.3	76.3	125.4	139.5	216.9	233.9	73.7	61.9	118.4	87.3	296.0
DE0004R	10.8	100.0	30.3	16.6	59.5	132.5	43.9	59.0	23.7	63.7	59.7	70.5
DE0005R	6.8	81.9	77.0	70.7	61.1	105.0	142.5	84.7	27.0	88.4	31.1	68.5
DE0007R	2.5	41.7	25.5	24.7	72.7	30.4	77.8	33.6	17.0	31.3	11.0	31.7
DE0008R	12.7	194.7	112.2	79.6	49.0	79.6	99.5	55.1	19.9	98.7	36.6	136.1
DE0009R	0.1	42.0	31.1	21.4	105.6	39.9	40.0	26.6	47.0	53.3	40.8	34.9
DK0003R	5.2	77.2	22.6	43.4	54.3	59.3	90.5	31.4	41.0	82.5	39.0	55.0
DK0005R	3.9	44.7	33.1	23.4	81.5	0.2	0.0	0.0	6.6	67.5	43.4	45.2
DK0008R	7.8	63.2	24.2	29.1	50.1	159.7	39.4	35.1	14.3	64.0	37.0	69.2
EE0009R	21.6	27.7	9.6	20.7	13.1	28.2	34.5	9.5	38.0	47.8	25.3	13.8
EE0011R	8.8	0.0	9.2	26.4	29.5	22.9	7.6	1.6	99.9	129.5	27.2	16.4
ES0001R	190.3	0.9	0.0	54.0	47.8	29.1	17.3	11.5	44.3	41.0	200.2	182.7
ES0003R	149.9	0.0	0.0	30.7	21.4	57.0	47.0	82.4	42.4	34.7	26.9	64.0
ES0004R	47.3	0.0	0.0	38.1	67.2	66.1	71.1	66.4	32.6	10.1	87.1	70.3
ES0005R	81.5	184.2	0.0	67.8	284.1	188.1	0.0	131.3	2.5	615.2	899.8	569.6
ES0006R	23.2	31.5	0.0	19.5	6.4	5.6	0.9	32.7	0.4	116.8	36.1	0.0
ES0007R	161.2	0.0	5.2	90.0	65.5	48.3	0.0	23.2	68.9	45.9	240.6	171.2
FI0004F	29.7	28.9	39.3	58.1	20.9	63.2	63.9	35.4	84.9	45.9	36.0	24.8
FI0009F	3.5	15.2	2.7	22.8	15.6	16.8	17.6	53.8	77.6	44.5	22.5	23.1
FI0017F	37.8	31.8	33.7	30.1	9.3	36.3	40.9	42.5	66.1	63.4	53.1	21.9
FI0022F	28.8	43.2	31.2	37.4	42.2	51.3	27.7	53.3	64.3	36.1	24.2	21.7
FR0003F	22.1	109.6	8.5	0.0	112.8	144.9	47.9	105.1	30.5	59.2	138.9	79.7
FR0005F	24.3	99.1	42.1	23.5	60.1	132.5	16.5	76.7	19.2	138.7	190.6	120.6
FR0008F	37.0	186.0	86.5	66.0	123.5	207.0	133.5	99.0	53.3	101.3	164.5	235.2
FR0009F	12.7	187.2	52.0	50.4	148.5	182.7	67.3	59.5	26.5	116.0	148.5	145.1
FR0010F	7.0	134.3	12.2	49.7	144.7	166.1	81.3	151.4	62.0	103.5	136.9	152.2
FR0011F	62.3	101.3	25.7	124.8	189.2	220.5	257.1	80.9	55.9	164.5	182.5	206.4
FR0012F	64.1	31.9	30.5	125.7	133.9	151.5	88.6	130.3	14.5	53.7	147.1	192.4
GB0002R	21.8	268.8	81.4	42.3	112.5	115.2	96.2	67.6	98.5	69.0	121.1	185.2
GB0006R	17.7	179.6	80.9	65.9	87.5	90.0	124.5	72.3	81.4	93.5	131.3	168.4
GB0013R	25.4	108.8	17.9	0.0	0.0	80.0	15.4	92.0	36.2	66.1	181.1	126.1
GB0014R	7.7	65.2	18.0	8.0	68.8	161.1	34.8	50.0	19.6	42.5	87.0	117.6
GB0015R	25.8	86.1	50.8	50.3	38.2	21.0	6.6	26.8	26.4	0.4	19.8	105.6
HU0002R	33.3	0.0	16.0	16.9	51.5	100.7	43.5	60.4	28.7	17.7	43.7	50.4
IE0002R	7.0	197.9	34.6	35.1	102.0	175.9	82.2	158.2	45.9	110.2	226.9	105.8
IE0003R	27.9	214.3	45.9	43.1	85.7	110.0	121.4	193.3	104.6	154.1	5.3	158.4
IE0004R	28.9	240.6	35.9	55.2	103.3	139.6	92.5	171.9	58.5	131.5	183.2	120.3
IS0002R	152.8	117.2	183.6	96.3	100.7	35.0	136.8	131.0	199.5	192.3	75.0	209.5
IT0001R	109.9	61.9	0.0	99.1	50.5	35.8	0.0	70.2	0.0	34.3	248.1	108.9
IT0004R	99.6	0.0	0.0	59.0	93.3	334.9	92.3	91.6	13.8	25.9	261.7	160.0
LT0015R	2.3	29.8	6.5	36.0	61.0	16.9	25.9	21.5	72.2	129.5	36.2	21.6
LV0010R	31.6	47.8	19.4	56.6	61.9	51.8	26.2	13.8	108.4	189.2	49.8	69.8
LV0016R	36.7	59.9	21.7	48.7	119.8	105.5	63.5	22.0	75.9	136.6	71.6	40.8
NL0009R	1.2	55.0	23.1	15.1	48.6	93.8	70.6	32.4	30.5	62.5	6.2	19.8
NO0001R	18.9	241.3	75.5	25.6	60.8	100.8	46.3	89.6	114.6	132.8	181.7	155.4
NO0008R	84.1	433.2	310.2	79.8	88.8	57.8	46.2	130.8	316.3	213.3	131.6	180.0
NO0015R	153.8	107.5	154.2	75.4	30.8	21.4	63.4	97.8	182.6	123.3	26.5	38.9
NO0039R	109.1	99.9	295.1	267.4	75.8	40.9	55.9	60.8	370.2	382.5	49.9	34.3
NO0041R	12.1	56.3	15.9	8.1	158.1	58.9	36.4	94.9	76.4	60.8	54.6	76.1
NO0055R	11.6	14.9	11.7	9.7	19.0	2.1	2.5	42.2	37.8	17.6	16.4	28.0
PL0002R	4.4	22.7	36.1	35.5	33.4	59.1	248.7	19.1	38.9	49.9	43.4	25.2
PL0003R	29.9	121.7	46.7	115.1	54.4	105.7	357.4	30.8	35.2	98.2	82.5	188.3
PL0004R	2.9	45.2	24.9	40.4	88.8	35.7	37.6	3.4	90.8	202.9	18.5	44.8
PL0005R	17.0	33.6	26.9	35.8	75.3	43.7	81.5	31.5	48.2	95.8	75.7	41.2
RU0001R	29.6	31.5	16.1	19.8	31.2	3.9	48.5	55.3	52.7	30.2	26.3	20.8
RU0013R	25.4	33.9	22.9	43.0	16.8	25.6	28.0	41.6	42.3	81.1	9.9	18.1
RU0016R	57.7	32.0	24.0	32.4	52.1	65.2	36.6	20.3	125.2	74.7	8.5	17.1

Table 3.1 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SE0002F	17.7	78.3	14.5	34.8	53.8	59.0	77.8	18.1	59.6	59.4	25.4	85.9
SE0005F	14.2	10.3	29.9	38.4	20.3	53.9	70.9	81.1	25.3	23.0	45.0	18.3
SE0011F	15.5	46.4	33.6	36.0	101.2	37.0	94.6	39.2	81.4	113.0	44.9	53.8
SE0012F	3.5	15.8	8.3	26.4	83.4	51.7	26.0	12.0	65.8	44.7	43.9	55.0
SK0002R	11.2	46.4	57.7	56.7	96.1	89.2	266.6	80.9	44.4	79.6	112.3	51.9
SK0004R	12.9	21.3	23.4	37.6	74.6	95.8	209.5	73.6	60.5	38.3	62.0	20.8
SK0005R	17.2	32.0	28.9	41.0	115.9	90.3	282.1	77.8	46.3	64.6	62.2	27.4
SK0006R	17.4	59.9	20.2	30.5	82.9	54.1	174.1	58.8	35.3	44.1	94.0	41.5
TR0001R	0.0	9.1	23.1	110.7	55.4	21.0	5.2	28.8	0.0	64.8	32.8	60.6
YU0005R	15.1	24.9	63.8	61.3	44.2	73.1	65.6	84.7	15.1	124.7	29.2	59.1
YU0008R	70.5	43.6	69.7	100.8	188.8	36.5	69.4	69.4	36.9	209.2	197.1	119.3

Table 3.2: Precipitation amounts 1997. Number of days with measurements.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	31	28	31	30	31	30	31	31	30	31	30	31
AT0004R	31	28	31	30	31	30	31	31	30	31	30	31
AT0005R	31	28	31	30	31	30	31	31	30	31	30	31
CH0002F	31	28	31	30	31	30	31	31	30	31	30	31
CH0003F	31	28	31	30	31	30	31	31	30	31	30	31
CH0004F	31	28	31	30	31	30	31	31	30	31	30	31
CH0005F	31	28	31	30	31	30	31	31	30	31	30	31
CS0001R	5	4	4	5	4	4	5	4	5	4	4	5
CS0003R	31	28	31	30	31	30	31	31	30	31	30	31
DE0001R	31	28	31	30	31	30	31	31	30	31	30	31
DE0002R	31	28	31	30	31	30	31	31	30	31	30	31
DE0003R	31	28	31	30	31	30	31	31	30	31	30	31
DE0004R	31	28	31	30	31	30	31	31	30	31	30	31
DE0005R	31	28	31	30	31	30	31	31	30	31	30	31
DE0007R	31	28	31	30	31	30	31	31	30	31	30	31
DE0008R	31	28	31	30	31	30	31	31	30	31	30	31
DE0009R	31	28	31	30	31	30	31	31	30	31	30	31
DK0003R	31	28	31	30	31	30	31	31	30	31	30	31
DK0005R	31	28	31	30	31	12	0	0	23	31	30	31
DK0008R	7	5	5	4	5	4	5	5	6	6	5	5
EE0009R	31	28	31	30	31	30	30	31	30	30	30	30
EE0011R	31	28	31	30	31	30	31	31	30	31	30	31
ES0001R	31	28	31	30	31	30	31	31	30	31	30	31
ES0003R	31	28	31	30	31	30	31	31	30	31	30	31
ES0004R	31	28	31	30	31	30	31	31	30	31	30	31
ES0005R	31	28	31	30	31	30	31	31	30	31	30	31
ES0006R	31	28	31	30	31	30	31	31	30	31	30	31
ES0007R	31	28	31	30	31	30	31	31	30	31	30	31
FI0004F	31	28	31	30	31	30	31	31	30	31	30	31
FI0004F	31	28	31	30	31	30	31	31	30	31	30	31
FI0009F	31	28	31	30	31	30	31	31	30	31	30	31
FI0009F	31	28	31	30	31	30	31	31	30	31	30	31
FI0017F	31	28	31	30	31	30	31	31	30	31	30	31
FI0017F	31	28	31	30	31	30	31	31	30	31	30	31
FI0022F	31	28	31	30	31	30	31	31	30	31	30	31
FI0022F	31	28	31	30	31	30	31	31	30	31	30	31
FR0003F	31	28	31	30	31	30	31	31	30	31	30	31
FR0005F	31	28	31	30	31	30	31	31	30	31	30	31
FR0008F	31	28	31	30	31	30	31	31	30	31	30	31
FR0009F	31	28	31	30	31	30	31	31	30	31	30	31
FR0010F	31	28	31	30	31	30	31	31	30	31	30	31
FR0011F	31	28	31	30	31	30	31	31	30	31	30	31
FR0012F	31	28	31	30	31	30	31	31	30	31	30	31
GB0002R	31	28	31	30	31	30	25	31	30	31	30	31
GB0006R	31	28	31	30	19	15	31	26	30	31	30	31
GB0013R	31	28	31	0	0	5	30	16	30	31	30	31
GB0014R	31	28	31	30	31	30	31	31	30	31	30	31
GB0015R	31	28	26	30	25	30	25	31	30	17	30	31
HU0002R	31	28	31	30	31	30	31	31	30	31	30	31

Table 3.2 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IE0001R	31	28	31	30	31	30	31	31	30	31	30	31
IE0002R	31	28	31	30	31	30	31	31	30	31	30	31
IE0003R	31	28	31	30	31	30	31	31	30	31	30	31
IE0004R	31	28	31	30	31	30	31	31	30	31	30	31
IS0002R	31	28	31	30	31	30	31	31	30	31	30	31
IT0001R	31	28	31	30	31	30	31	31	30	31	30	31
IT0004R	31	28	31	30	31	30	31	31	30	31	30	31
LT0015R	5	4	4	4	4	4	4	4	4	4	4	3
LV0010R	31	28	31	30	31	30	31	31	30	31	30	30
LV0016R	31	28	31	30	31	30	31	31	30	31	30	30
NL0009R	31	26	31	29	31	29	30	31	30	31	21	17
NO0001R	31	28	31	30	31	30	31	31	30	31	30	31
NO0008R	31	28	31	30	31	30	31	31	30	31	30	31
NO0015R	23	24	26	27	30	30	31	31	30	31	29	28
NO0039R	31	28	31	30	31	30	31	31	30	31	30	31
NO0041R	31	28	31	30	31	30	31	31	30	31	30	31
NO0055R	23	28	31	30	31	30	31	31	30	31	30	31
PL0002R	31	28	31	30	31	30	31	31	30	31	30	31
PL0003R	31	28	31	30	31	30	31	31	30	31	30	31
PL0004R	31	28	31	30	31	30	31	31	30	31	30	31
PL0005R	31	28	31	30	31	30	31	31	30	31	30	31
PL0005R	31	28	31	30	31	30	31	31	30	31	30	31
PT0001F	31	28	31	30	31	30	31	31	30	31	30	31
PT0003F	31	28	31	30	31	30	31	31	30	31	30	31
PT0004F	31	28	31	30	31	30	31	31	30	31	30	31
RU0001R	31	28	31	30	31	30	31	31	30	31	30	31
RU0013R	31	28	31	30	31	30	31	31	30	31	30	31
RU0016R	31	28	31	30	31	30	31	31	30	31	30	31
SE0002F	31	28	31	30	31	30	31	31	30	31	30	31
SE0005F	5	5	6	5	5	6	5	5	5	5	5	5
SE0011F	5	5	6	5	5	6	5	5	5	5	5	5
SE0012F	5	5	5	5	5	6	5	5	5	5	5	5
SK0002R	30	28	31	30	31	30	31	31	30	31	30	31
SK0004R	31	28	31	30	31	30	31	31	30	31	30	31
SK0005R	30	28	31	30	31	30	31	30	30	31	30	31
SK0006R	30	28	31	30	31	30	31	31	30	31	30	31
TR0001R	31	28	31	30	31	30	31	31	30	31	30	31
YU0005R	31	28	31	30	31	30	31	31	30	31	30	31
YU0008R	31	28	31	30	31	30	31	31	30	31	30	31

Table 3.3: Monthly weighted averages of sulphate in precipitation in 1997. (Unit: mg S/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	3.14	1.57	0.44	0.90	0.64	0.85	-	1.62	0.63	1.43	0.42	1.47
AT0004R	0.40	0.46	0.64	0.85	0.48	0.31	0.37	0.32	0.49	0.36	0.30	0.25
AT0005R	0.24	-	0.52	0.79	0.79	0.64	0.42	0.37	0.70	2.64	0.15	0.15
CH0002F	0.23	0.28	0.57	0.49	0.45	0.37	0.44	0.35	0.44	0.22	0.17	0.15
CH0003F	0.54	0.19	0.64	0.54	0.45	0.29	0.33	0.31	0.47	0.15	0.21	0.13
CH0004F	0.18	0.29	0.52	0.52	0.52	0.37	0.31	0.39	0.20	0.18	0.14	0.12
CH0005F	0.10	0.17	0.81	0.44	0.50	0.32	0.30	0.24	0.45	0.23	0.22	0.22
CS0001R	-	-	-	1.49	0.86	0.76	0.85	0.99	1.19	0.47	0.72	0.56
CS0003R	0.69	0.45	0.85	1.20	1.20	1.06	0.86	0.75	1.33	0.64	0.63	0.47
DE0001R	-	1.62	1.91	1.48	0.86	0.94	0.74	0.96	1.88	1.84	0.88	0.93
DE0002R	1.45	0.63	0.89	0.66	1.14	0.75	0.60	0.81	0.74	0.72	0.44	0.77
DE0003R	0.38	0.39	0.92	0.81	0.41	0.31	0.52	0.56	0.51	0.35	0.32	0.32
DE0004R	0.83	0.41	1.05	1.10	0.57	0.44	0.70	0.65	0.57	0.37	0.39	0.43
DE0005R	0.37	0.45	1.07	0.66	0.70	0.62	0.57	0.55	0.73	0.62	0.35	0.46
DE0007R	1.07	0.51	0.94	0.61	0.61	1.09	0.50	0.44	1.07	0.28	0.52	0.50
DE0008R	0.79	0.39	0.90	0.80	0.56	0.46	0.47	0.81	0.75	0.54	0.44	0.48
DE0009R	-	0.83	0.70	1.04	1.01	1.30	0.82	0.81	1.37	0.77	1.22	0.45
DK0003R	1.30	0.61	0.47	0.55	0.84	0.66	0.39	0.75	0.91	0.43	0.64	0.47
DK0005R	3.67	0.77	0.86	1.00	0.73	12.00	-	-	1.72	0.41	0.61	0.42
DK0008R	3.31	0.99	1.22	1.56	0.97	1.00	0.43	1.19	2.58	1.42	0.88	0.43

Table 3.3 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
EE0009R	0.69	0.52	1.10	0.66	1.10	0.53	0.59	0.64	1.07	0.93	2.03	1.26
EE0011R	1.58	-	1.40	1.04	0.91	0.65	0.95	3.57	0.62	0.56	0.64	1.09
ES0001R	0.24	-	-	0.40	0.73	0.34	1.02	1.18	1.15	0.31	0.49	0.55
ES0003R	0.55	-	-	1.94	2.29	1.48	1.62	0.93	1.27	1.40	1.05	0.64
ES0004R	0.94	-	-	0.93	1.30	0.27	1.07	1.03	0.95	2.23	0.60	0.45
ES0005R	0.40	0.59	-	1.34	0.71	0.64	-	9.87	16.68	1.97	0.73	0.56
ES0006R	4.77	3.50	-	31.07	27.52	16.44	10.76	36.67	11.33	2.86	3.48	-
ES0007R	0.27	-	2.67	0.88	0.84	0.34	-	1.32	0.41	0.51	0.58	0.41
FI0004F	0.16	0.34	0.40	0.23	0.49	0.24	0.21	0.36	0.15	0.17	0.45	0.24
FI0009F	0.74	0.77	4.22	0.52	0.75	0.38	0.39	0.79	0.35	0.47	1.04	0.91
FI0017F	0.37	1.13	0.86	0.51	0.90	0.32	0.31	0.97	0.24	0.24	0.94	0.51
FI0022F	0.08	0.11	0.17	0.24	0.40	0.18	0.20	0.22	0.16	0.14	0.23	0.22
FR0003F	0.80	0.31	3.92	-	0.41	0.33	0.46	0.38	0.75	0.53	0.26	0.28
FR0005F	3.23	1.00	0.82	0.46	0.80	0.65	0.66	0.50	0.95	0.43	0.49	0.61
FR0008F	0.61	0.24	0.64	0.52	0.54	0.26	0.44	0.39	0.38	0.32	0.21	0.21
FR0009F	1.08	0.42	0.96	0.95	0.39	0.38	0.53	0.29	0.52	0.32	0.32	0.34
FR0010F	1.04	0.21	0.79	0.38	0.31	0.30	0.47	0.31	0.50	0.20	0.22	0.24
FR0011F	0.17	0.30	0.45	0.51	0.25	0.26	0.33	0.41	0.39	0.21	0.17	0.18
FR0012F	0.69	0.57	0.77	0.23	0.56	0.38	0.44	0.68	0.42	0.47	0.18	0.20
GB0002R	1.51	0.47	0.57	0.47	0.40	0.60	0.36	0.98	0.27	0.35	0.49	0.41
GB0006R	0.59	0.73	0.52	0.45	0.39	0.65	0.45	0.33	0.31	0.30	0.41	0.35
GB0013R	1.09	0.60	0.77	-	-	0.73	0.34	0.89	0.62	0.26	0.48	0.58
GB0014R	1.59	0.94	1.04	1.20	0.65	0.69	0.84	0.82	0.89	1.03	0.90	0.63
GB0015R	0.35	0.43	0.56	0.26	0.83	0.37	0.61	0.72	0.33	0.44	0.39	0.21
HU0002R	2.04	-	1.18	2.30	1.03	1.07	0.79	1.63	1.87	0.51	1.12	0.72
IE0001R	0.55	1.91	1.32	1.01	1.02	0.53	0.50	0.47	0.52	0.30	0.44	2.18
IE0002R	0.93	0.38	0.45	0.35	0.32	0.60	0.22	0.42	0.44	0.27	0.34	0.54
IE0003R	0.64	1.13	0.90	0.81	0.64	0.57	0.71	0.35	0.35	0.29	0.30	0.90
IE0004R	0.60	0.33	0.54	0.23	0.43	0.57	0.22	0.49	0.34	0.22	0.43	0.29
IS0002R	0.59	0.81	0.83	0.27	0.34	0.88	0.26	0.26	0.25	0.26	0.24	0.41
IT0001R	0.72	0.78	-	2.96	3.33	1.01	-	0.41	-	0.22	0.39	0.46
IT0004R	0.29	-	-	0.85	1.45	0.86	0.95	0.63	1.51	1.39	0.50	0.19
LT0015R	1.87	1.55	1.70	1.33	0.52	0.87	0.38	0.59	0.62	0.43	0.72	0.90
I LV0010R	0.92	0.76	0.94	0.58	0.56	0.69	0.55	0.33	0.26	0.21	0.36	0.30
I LV0016R	1.44	1.11	1.92	1.14	0.64	0.72	0.57	1.34	0.76	0.49	0.37	0.68
NL0009R	2.25	0.81	1.17	1.01	0.92	0.86	0.96	0.59	0.55	0.80	0.95	1.12
NO0001R	1.05	0.58	0.74	0.24	0.24	0.63	0.56	0.67	0.51	0.51	0.69	0.81
NO0008R	0.44	0.58	0.83	0.55	0.51	0.65	0.61	0.60	0.20	0.36	0.28	0.28
NO0015R	0.34	0.19	0.37	0.36	0.13	0.21	0.15	0.14	0.18	0.19	0.22	0.14
NO0039R	0.52	0.38	0.26	0.44	0.16	0.38	0.29	0.36	0.06	0.15	0.15	0.08
NO0041R	0.14	0.18	0.26	0.24	0.15	0.28	0.28	0.51	0.04	0.20	0.34	0.20
NO0055R	0.07	0.09	0.31	0.31	0.43	-	0.66	0.10	0.16	0.29	0.20	0.05
PL0002R	4.06	1.06	1.31	1.43	1.02	0.85	0.44	1.47	1.17	1.08	1.28	0.83
PL0003R	1.27	1.40	2.02	1.16	1.65	1.30	0.73	1.42	2.47	0.92	1.03	1.61
PL0004R	2.65	0.61	0.75	1.35	0.72	0.58	0.94	0.75	0.62	0.28	1.39	0.78
PL0005R	1.27	0.87	0.65	0.90	0.57	0.53	0.34	0.61	0.68	0.51	0.68	0.66
PT0001F	0.51	-	-	0.55	0.31	0.16	0.88	0.07	0.72	0.18	0.12	0.10
PT0003F	0.68	0.99	-	0.77	0.58	0.69	-	0.41	-	0.44	0.42	0.53
PT0004F	0.36	-	-	0.44	0.97	0.62	2.84	-	1.20	0.73	0.53	0.55
RU0001R	0.16	0.20	0.21	0.33	0.58	0.65	0.45	0.45	0.40	0.36	0.29	0.35
RU0013R	0.80	1.13	0.53	0.94	0.88	0.51	0.60	0.65	0.57	0.22	0.52	0.26
RU0016R	1.40	2.17	0.78	1.52	1.02	0.73	1.10	0.49	0.43	0.92	2.30	2.52
SE0002F	2.20	0.80	1.60	0.93	0.47	0.60	0.37	1.82	1.11	0.74	0.69	0.48
SE0005F	0.17	0.12	0.20	0.10	0.46	0.14	0.14	0.19	0.15	0.15	0.15	0.31
SE0011F	1.26	0.86	1.10	1.25	0.62	1.08	0.40	1.01	0.82	0.41	0.87	0.58
SE0012F	0.86	0.45	0.99	0.44	0.59	0.33	0.33	0.51	0.46	0.51	0.85	0.63
SK0002R	0.49	1.32	1.69	1.56	1.33	1.26	0.60	0.73	1.57	1.00	0.76	0.63
SK0004R	0.46	1.02	1.04	1.39	1.38	1.10	0.66	0.90	1.46	0.79	0.78	0.92
SK0005R	1.00	0.56	1.06	1.05	1.20	0.91	0.48	1.19	1.12	0.82	0.76	1.02
SK0006R	1.26	1.37	2.52	1.21	1.04	0.90	0.71	0.55	1.28	1.10	0.91	1.04
TR0001R	-	0.87	1.14	0.68	3.15	0.34	2.54	0.41	-	0.50	0.54	1.21
YU0005R	3.59	2.68	1.77	2.27	1.25	2.44	1.67	1.43	3.44	2.05	3.83	1.31
YU0008R	0.25	0.62	1.21	0.89	0.70	1.46	1.34	2.21	2.19	0.85	1.27	0.28

Table 3.4: Sulphate in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	98	99	100	100	100	100	100	100	100	95	100	100
AT0004R	96	99	99	100	99	98	100	100	100	100	98	99
AT0005R	100	100	100	100	100	100	100	100	100	100	100	99
CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
CS0001R	0	0	0	51	100	76	99	100	100	99	88	100
CS0003R	91	96	97	99	96	97	99	100	99	98	94	97
DE0001R	0	98	99	95	98	98	99	96	94	98	98	99
DE0002R	82	98	97	96	99	98	98	99	94	98	99	98
DE0003R	99	99	99	99	99	99	99	72	99	99	99	99
DE0004R	96	99	99	95	99	99	99	100	99	100	100	99
DE0005R	100	93	99	99	98	99	76	100	98	99	98	99
DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
DE0008R	85	99	99	98	97	98	99	98	95	99	94	98
DE0009R	0	98	99	100	99	99	98	99	98	98	98	97
DK0003R	94	99	99	99	99	99	99	100	99	99	99	99
DK0005R	82	99	99	99	99	100	0	0	98	99	99	98
DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
EE0009R	100	98	92	99	92	100	98	100	100	98	77	60
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100
ES0001R	100	0	100	97	100	100	94	92	98	98	100	100
ES0003R	100	100	100	100	100	100	99	100	100	100	100	100
ES0004R	100	100	100	100	100	100	100	100	100	100	100	100
ES0005R	100	100	100	100	100	100	100	95	100	100	100	100
ES0006R	100	100	100	55	93	100	100	25	100	95	100	100
ES0007R	100	100	100	96	100	100	100	96	100	100	100	100
FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
FI0022F	98	98	98	97	98	99	97	99	99	97	97	94
FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
FR0008F	78	97	96	100	99	100	99	94	99	97	100	99
FR0009F	65	96	89	92	88	99	87	96	100	86	97	88
FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
FR0012F	74	100	34	98	80	72	97	84	100	100	99	74
GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
GB0006R	100	100	100	100	100	100	100	96	100	99	99	99
GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
GB0014R	99	100	99	100	100	100	100	100	98	99	99	98
GB0015R	98	100	100	100	88	100	100	100	100	83	98	99
HU0002R	100	100	100	100	100	100	96	92	100	100	100	100
IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
IE0002R	44	98	86	86	100	95	100	100	100	100	100	100
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100
IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100
I LV0010R	100	100	100	100	100	100	100	100	100	100	100	100
I LV0016R	92	96	89	97	99	100	98	96	98	98	13	96
NL0009R	96	98	95	92	99	99	97	96	96	98	77	95
NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
NO0008R	99	99	99	100	93	98	98	98	99	99	99	99
NO0015R	44	62	65	59	33	86	81	98	99	99	61	65
NO0039R	99	100	99	99	99	93	95	95	99	99	97	99
NO0041R	95	100	100	100	99	93	100	99	100	99	82	94
NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
PL0002R	88	95	99	99	99	98	100	100	100	98	99	93
PL0003R	99	98	98	99	96	99	99	99	99	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	100	99	99	99	100	100	99	100	100	100	99	47
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	100	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100

Table 3.4 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	87	82	89	94	97	93	93	90	90	95
SK0004R	73	88	88	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	86	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	96	100	100	100	100	100	98	100
YU0005R	100	100	100	100	100	100	99	100	98	100	100	100
YU0008R	100	100	100	100	100	100	96	85	100	99	98	97

Table 3.5: Monthly weighted averages of sulphate in precipitation corrected for seaspray in 1997.
(Unit: mg S/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	3.10	1.55	0.43	0.87	0.63	0.84	-	1.61	0.63	1.41	0.41	1.43
AT0004R	0.39	0.44	0.62	0.81	0.47	0.31	0.36	0.32	0.48	0.35	0.30	0.24
AT0005R	0.23	-	0.51	0.78	0.75	0.63	0.41	0.36	0.70	2.63	0.14	0.15
CH0002F	0.23	0.25	0.55	0.48	0.45	0.36	0.43	0.34	0.43	0.21	0.17	0.14
CH0003F	0.54	0.17	0.62	0.53	0.45	0.28	0.33	0.30	0.46	0.15	0.20	0.13
CH0004F	0.17	0.26	0.49	0.50	0.51	0.37	0.31	0.37	0.19	0.17	0.13	0.11
CH0005F	0.10	0.16	0.78	0.42	0.50	0.32	0.30	0.24	0.44	0.22	0.21	0.22
CS0001R	-	-	-	1.48	0.85	0.75	0.85	0.97	1.15	0.46	0.72	0.56
CS0003R	0.68	0.44	0.83	1.18	1.19	1.05	0.86	0.75	1.31	0.62	0.62	0.46
DE0001R	-	0.83	1.41	0.68	0.76	0.88	0.68	0.85	0.75	0.48	0.64	0.48
DE0002R	1.42	0.56	0.82	0.60	1.12	0.74	0.60	0.80	0.72	0.53	0.43	0.72
DE0003R	0.37	0.35	0.89	0.79	0.41	0.30	0.51	0.54	0.49	0.34	0.31	0.30
DE0004R	0.81	0.37	1.01	1.04	0.56	0.43	0.68	0.64	0.56	0.35	0.36	0.39
DE0005R	0.37	0.42	1.04	0.64	0.69	0.62	0.56	0.55	0.72	0.60	0.34	0.45
DE0007R	1.06	0.47	0.89	0.58	0.60	1.08	0.49	0.42	0.97	0.24	0.51	0.48
DE0008R	0.77	0.37	0.88	0.77	0.55	0.46	0.46	0.81	0.74	0.50	0.43	0.46
DE0009R	-	0.76	0.64	0.98	0.99	1.27	0.79	0.78	1.20	0.53	1.20	0.42
DK0003R	1.08	0.47	0.39	0.47	0.82	0.64	0.38	0.72	0.58	0.30	0.60	0.33
DK0005R	3.05	0.54	0.69	0.77	0.69	11.32	-	-	0.91	0.24	0.55	0.37
DK0008R	2.14	0.42	0.79	0.84	0.87	0.92	0.25	1.12	1.10	0.42	0.71	0.33
EE0009R	0.66	0.48	1.05	0.64	1.08	0.52	0.56	0.62	1.03	0.91	2.02	1.17
EE0011R	1.26	-	1.23	0.99	0.88	0.60	0.86	3.47	0.50	0.42	0.60	1.02
ES0001R	0.23	-	-	0.37	0.68	0.32	0.98	1.12	1.11	0.29	0.45	0.52
ES0003R	0.48	-	-	1.76	2.20	1.36	1.56	0.89	1.24	1.32	1.00	0.60
ES0004R	0.91	-	-	0.89	1.24	0.26	1.05	1.01	0.93	2.05	0.58	0.44
ES0005R	0.34	0.29	-	1.18	0.57	0.42	-	9.62	14.63	1.81	0.44	0.39
ES0006R	1.92	0.85	-	10.41	2.15	8.68	3.76	10.02	6.72	1.26	0.33	-
ES0007R	0.25	-	2.58	0.84	0.80	0.33	-	1.27	0.39	0.48	0.53	0.36
FI0004F	0.14	0.32	0.38	0.22	0.49	0.23	0.21	0.35	0.14	0.17	0.45	0.24
FI0009F	0.50	0.48	1.61	0.44	0.69	0.36	0.34	0.77	0.27	0.37	0.94	0.76
FI0017F	0.36	1.08	0.81	0.50	0.88	0.31	0.30	0.96	0.21	0.21	0.93	0.51
FI0022F	0.07	0.10	0.16	0.23	0.39	0.17	0.20	0.21	0.15	0.11	0.23	0.21
FR0003F	0.78	0.20	3.10	-	0.37	0.29	0.41	0.35	0.70	0.46	0.16	0.22
FR0005F	2.43	0.22	0.68	0.35	0.47	0.43	0.48	0.36	0.71	0.21	0.19	0.24
FR0008F	0.58	0.22	0.61	0.49	0.53	0.25	0.43	0.36	0.37	0.29	0.20	0.20
FR0009F	1.00	0.35	0.86	0.88	0.36	0.37	0.50	0.27	0.50	0.31	0.28	0.29
FR0010F	1.00	0.15	0.73	0.33	0.29	0.28	0.46	0.29	0.49	0.19	0.18	0.22
FR0011F	0.17	0.27	0.43	0.49	0.24	0.25	0.32	0.34	0.39	0.19	0.16	0.16
FR0012F	0.65	0.50	0.68	0.23	0.54	0.37	0.42	0.68	0.41	0.42	0.14	0.13
GB0002R	1.37	0.24	0.37	0.40	0.34	0.57	0.34	0.95	0.21	0.29	0.46	0.26
GB0006R	0.52	0.10	0.23	0.31	0.23	0.61	0.38	0.26	0.13	0.18	0.28	0.12
GB0013R	0.90	0.19	0.69	-	-	0.64	0.33	0.85	0.54	0.14	0.27	0.30
GB0014R	1.29	0.82	0.99	1.00	0.53	0.60	0.82	0.80	0.85	0.75	0.78	0.48
GB0015R	0.27	0.10	0.10	0.16	0.81	0.32	0.60	0.70	0.06	0.35	0.31	0.08
HU0002R	1.94	-	1.10	2.15	0.99	1.01	0.75	1.58	1.81	0.45	1.03	0.62

Table 3.5 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IE0001R	0.35	0.05	0.43	0.76	0.43	0.31	0.28	0.19	0.12	0.08	0.05	-1.30
IE0002R	0.51	0.12	0.22	0.25	0.26	0.52	0.19	0.36	0.34	0.18	0.23	0.31
IE0003R	0.42	0.07	0.43	0.61	0.46	0.48	0.59	0.25	0.15	0.19	0.20	-0.02
IS0002R	0.12	0.07	0.08	0.14	0.23	0.78	0.22	0.11	0.12	0.17	0.12	0.11
IT0001R	0.54	0.71	-	2.85	2.96	0.91	-	0.39	-	0.21	0.33	0.34
IT0004R	0.28	-	-	0.84	1.41	0.84	0.94	0.62	1.49	1.38	0.49	0.18
LT0015R	0.85	0.95	0.74	0.96	0.47	0.80	0.35	0.39	0.28	0.25	0.62	0.78
I LV0010R	0.87	0.66	0.91	0.54	0.56	0.69	0.53	0.32	0.22	0.18	0.35	0.29
I LV0016R	1.35	1.00	1.71	0.98	0.62	0.71	0.44	1.32	0.73	0.47	0.35	0.64
NL0009R	1.88	0.65	1.00	0.77	0.88	0.80	0.92	0.54	0.42	0.39	0.82	0.76
NO0001R	1.00	0.42	0.47	0.22	0.21	0.61	0.54	0.63	0.45	0.47	0.59	0.74
NO0008R	0.37	0.20	0.29	0.34	0.46	0.61	0.58	0.58	0.07	0.24	0.25	0.25
NO0015R	0.07	0.03	0.12	0.22	0.12	0.20	0.14	0.11	0.07	0.07	0.19	0.10
NO0039R	0.10	0.06	0.13	0.17	0.12	0.36	0.27	0.35	0.01	0.03	0.10	0.04
NO0041R	0.13	0.16	0.25	0.22	0.15	0.28	0.28	0.50	0.03	0.19	0.33	0.20
NO0055R	0.04	0.05	0.17	0.25	0.40	-	0.64	0.09	0.15	0.24	0.17	0.04
PL0002R	3.96	1.02	1.27	1.40	1.00	0.84	0.43	1.46	1.14	1.05	1.27	0.81
PL0003R	1.23	1.28	1.90	1.05	1.61	1.29	0.72	1.38	2.38	0.83	1.01	1.58
PL0004R	2.56	0.51	0.67	1.20	0.70	0.54	0.92	0.73	0.54	0.21	1.01	0.74
PL0005R	1.24	0.78	0.62	0.84	0.56	0.52	0.33	0.60	0.64	0.47	0.67	0.65
PT0001F	0.47	-	-	0.54	0.29	0.15	0.84	0.06	0.72	0.17	0.11	0.09
PT0003F	0.33	0.64	-	0.67	0.37	0.44	-	0.35	-	0.35	0.18	0.29
PT0004F	0.20	-	-	0.28	0.84	0.47	2.41	-	1.07	0.61	0.20	0.17
RU0001R	0.15	0.19	0.17	0.30	0.56	0.62	0.43	0.43	0.39	0.33	0.27	0.33
RU0013R	0.72	1.07	0.50	0.90	0.83	0.48	0.57	0.62	0.54	0.20	0.47	0.24
RU0016R	0.97	1.74	0.69	1.40	0.90	0.50	1.04	0.44	0.35	0.71	1.38	2.05
SE0002F	2.02	0.56	1.28	0.75	0.44	0.57	0.35	1.77	0.92	0.38	0.63	0.39
SE0005F	0.09	0.10	0.17	0.09	0.45	0.13	0.14	0.18	0.14	0.14	0.14	0.30
SE0011F	1.23	0.73	1.05	1.13	0.60	1.05	0.38	1.00	0.37	0.31	0.81	0.48
SE0012F	0.85	0.40	0.78	0.43	0.58	0.32	0.32	0.51	0.44	0.48	0.82	0.61
SK0002R	0.47	1.27	1.64	1.52	1.31	1.24	0.59	0.72	1.56	0.98	0.73	0.61
SK0004R	0.45	0.99	1.01	1.37	1.35	1.08	0.65	0.89	1.44	0.78	0.76	0.90
SK0005R	0.97	0.52	1.00	1.01	1.17	0.90	0.47	1.18	1.08	0.80	0.74	0.99
SK0006R	1.23	1.33	2.47	1.17	1.02	0.86	0.67	0.55	1.26	1.07	0.89	1.03
TR0001R	-	0.82	1.10	0.66	3.06	0.33	2.44	0.39	-	0.48	0.51	1.19
YU0005R	3.43	2.48	1.64	2.18	1.16	2.31	1.59	1.40	3.41	2.00	3.61	1.20
YU0008R	0.18	0.56	1.14	0.80	0.64	1.35	1.29	2.19	1.84	0.80	1.22	0.26

Table 3.6: Sulphate in precipitation corrected for seaspray 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	98	99	100	100	100	100	100	100	100	95	100	100
AT0004R	96	99	99	100	99	98	100	100	100	100	98	99
AT0005R	100	100	100	100	100	100	100	100	100	100	100	99
CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
CS0001R	0	0	0	51	100	76	99	100	100	99	88	100
CS0003R	91	96	97	99	96	97	99	100	99	98	94	97
DE0001R	0	98	99	95	98	98	99	96	94	98	98	99
DE0002R	82	98	97	96	99	98	98	99	94	98	99	98
DE0003R	99	99	99	99	99	99	99	72	99	99	99	99
DE0004R	96	99	99	95	99	99	99	100	99	100	100	99
DE0005R	100	93	99	99	98	99	76	100	98	99	98	99
DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
DE0008R	85	99	99	98	97	98	99	98	95	99	94	98
DE0009R	0	98	99	100	99	99	98	99	98	98	98	97
DK0003R	94	99	99	99	99	99	99	100	99	99	99	99
DK0005R	82	99	99	99	99	100	0	0	98	99	99	98
DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
EE0009R	100	98	92	99	92	100	98	100	100	98	77	60
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100

Table 3.6 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ES0001R	100	0	100	97	100	100	94	92	98	98	100	100
ES0003R	100	100	100	100	100	100	99	100	100	100	100	100
ES0004R	100	100	100	100	100	100	100	100	100	100	100	100
ES0005R	100	100	100	100	100	100	100	95	100	100	100	100
ES0006R	100	100	100	55	93	100	100	25	100	95	100	100
ES0007R	100	100	100	96	100	100	100	96	100	100	100	100
FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
FI0022F	98	98	98	97	98	99	97	99	99	97	97	94
FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
FR0008F	78	97	96	100	99	100	99	94	99	97	100	99
FR0009F	65	96	89	92	88	99	87	96	100	86	97	88
FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
FR0012F	74	100	34	98	80	72	97	84	100	100	99	74
GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
GB0006R	100	100	100	100	100	100	100	96	100	99	99	99
GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
GB0014R	99	100	99	100	100	100	100	100	98	99	99	98
GB0015R	98	100	100	100	88	100	100	100	100	83	98	99
HU0002R	100	100	100	100	100	100	96	92	100	100	100	100
IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
IE0002R	44	98	86	86	100	95	100	100	100	100	100	100
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100
IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100
I LV0010R	100	100	100	100	100	100	100	100	100	100	100	100
I LV0016R	92	96	89	97	99	100	98	96	98	98	13	96
NL0009R	96	98	95	92	99	99	97	96	96	98	77	95
NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
NO0008R	99	99	99	100	93	98	98	98	99	99	99	99
NO0015R	44	62	65	59	33	86	81	98	99	99	61	65
NO0039R	99	100	99	99	99	93	95	95	99	99	97	99
NO0041R	95	100	100	100	99	93	100	99	100	99	82	94
NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
PL0002R	88	95	99	99	99	98	100	100	100	98	99	93
PL0003R	99	98	98	99	96	99	99	99	99	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	98	99	99	98	100	100	99	100	100	100	99	47
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	68	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	87	82	89	94	97	93	93	90	90	95
SK0004R	73	88	88	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	86	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	96	100	100	100	100	100	98	100
YU0005R	96	100	99	100	100	100	98	99	98	100	95	100
YU0008R	100	100	100	98	100	100	96	85	75	98	97	97

Table 3.7: Monthly weighted averages of strong acid in precipitation in 1997. (Unit: µe H/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
HU0002R	-82.	-	-36.	-45.	-34.	-23.	-21.	-5.	-10.	-39.	-3.	-51.
NL0009R	-42.	-22.	-21.	-24.	-3.	5.	10.	-28.	-5.	-20.	-26.	17.

Table 3.8: Strong acid in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
HU0002R	93	100	100	83	93	98	93	90	88	100	94	97
NL0009R	96	98	98	98	99	99	98	97	97	96	90	95

Table 3.9: Monthly weighted averages of ammonium in precipitation in 1997. (Unit: mg N/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	0.72	1.24	0.31	0.98	0.62	0.73	-	1.26	0.46	1.49	0.31	0.65
AT0004R	0.22	0.32	0.86	1.00	0.93	0.47	0.41	0.43	0.55	0.45	0.31	0.12
AT0005R	0.07	-	0.63	1.17	0.86	0.70	0.45	0.46	0.65	3.49	0.21	0.09
CH0002F	0.25	0.40	1.41	0.72	0.56	0.71	0.53	0.50	0.31	0.36	0.37	0.26
CH0003F	0.83	0.30	1.21	0.86	0.71	0.47	0.39	0.48	0.51	0.19	0.35	0.19
CH0004F	0.11	0.24	0.79	0.63	0.43	0.30	0.30	0.40	0.21	0.13	0.14	0.09
CH0005F	0.06	0.23	1.50	0.69	0.59	0.50	0.33	0.39	0.50	0.38	0.40	0.23
CS0001R	-	-	-	1.51	0.55	0.65	0.65	0.45	0.74	0.31	0.63	0.24
CS0003R	0.18	0.35	0.72	1.31	1.07	0.76	0.47	0.76	1.30	0.66	0.56	0.23
DE0001R	-	0.69	0.81	0.61	0.49	0.66	0.82	1.12	0.67	0.18	0.69	0.31
DE0002R	0.96	0.58	1.32	0.93	1.05	0.53	0.58	0.73	0.87	0.63	0.20	0.51
DE0003R	0.06	0.29	1.45	1.08	0.30	0.24	0.52	0.59	0.54	0.32	0.24	0.20
DE0004R	0.47	0.34	1.53	1.42	0.56	0.31	0.58	0.62	0.69	0.30	0.26	0.26
DE0005R	0.10	0.60	1.70	0.96	0.75	0.74	0.53	0.60	0.79	0.65	0.36	0.40
DE0007R	0.60	0.47	1.47	0.94	0.93	1.21	0.39	0.48	0.92	0.19	0.43	0.41
DE0008R	0.46	0.41	1.23	1.06	0.56	0.43	0.39	1.01	0.61	0.52	0.51	0.32
DE0009R	-	0.49	0.75	1.08	0.57	0.35	0.57	0.63	1.44	0.30	0.99	0.31
DK0003R	0.84	0.51	0.38	0.48	0.78	0.50	0.48	1.25	0.73	0.29	0.49	0.22
DK0005R	1.00	0.35	0.56	0.52	0.24	-	-	-	1.35	0.33	0.44	0.28
DK0008R	1.72	0.38	0.88	0.80	0.63	0.52	0.15	1.23	1.15	0.27	0.54	0.24
EE0009R	0.32	0.18	0.46	0.34	0.39	0.04	0.05	0.28	0.02	0.02	0.17	0.13
EE0011R	0.70	-	0.48	0.56	0.47	3.63	4.00	0.01	0.52	0.08	0.30	0.40
I ES0001R	0.05	-	-	0.42	0.44	0.07	0.28	0.28	0.57	0.01	0.04	0.23
I ES0003R	0.22	-	-	0.80	1.00	0.34	0.65	0.18	0.24	0.30	0.33	0.23
I ES0004R	0.55	-	-	0.94	1.06	0.33	0.69	1.00	0.92	3.72	0.54	0.35
I ES0005R	0.18	0.09	-	0.57	0.14	0.04	-	0.34	4.05	0.05	0.05	0.09
I ES0006R	0.43	0.10	-	4.04	-	-	-	-	-	0.11	0.14	-
I ES0007R	0.03	-	0.69	0.47	0.33	0.08	-	0.35	0.01	0.10	0.03	0.02
FI0004F	0.06	0.18	0.22	0.12	0.33	0.04	0.10	0.19	0.07	0.07	0.16	0.09
FI0009F	0.31	0.45	1.73	0.43	0.34	0.18	0.17	0.73	0.23	0.14	0.44	0.28
FI0017F	0.19	0.56	0.37	0.42	0.37	0.14	0.17	0.80	0.13	0.13	0.57	0.43
FI0022F	0.01	0.05	0.06	0.10	0.08	0.04	0.04	0.11	0.09	0.03	0.07	0.06
FR0003F	0.60	0.19	0.44	-	0.44	0.22	0.71	0.36	0.87	0.61	0.13	0.18
FR0005F	1.24	0.23	0.64	0.21	0.30	0.52	0.64	0.50	0.93	0.27	0.20	0.25
FR0008F	0.09	0.22	1.21	0.67	0.39	0.26	0.40	0.43	0.34	0.22	0.14	0.11
FR0009F	0.35	0.57	1.46	1.28	0.30	0.30	0.47	0.35	0.39	0.27	0.26	0.28
FR0010F	0.88	0.25	2.05	0.49	0.25	0.23	0.45	0.27	0.41	0.14	0.13	0.25
FR0011F	0.11	0.30	0.74	0.51	0.24	0.15	0.35	0.35	0.29	0.13	0.12	0.14
FR0012F	0.16	0.82	0.34	0.06	0.40	0.26	0.31	0.51	0.28	0.18	0.09	0.05
Q GB0002R	1.33	0.13	0.39	0.36	0.17	0.36	0.17	0.55	0.16	0.19	0.25	0.18
Q GB0006R	0.60	0.14	0.18	0.28	0.15	0.74	0.37	0.27	0.12	0.12	0.30	0.15
Q GB0013R	0.92	0.05	0.47	-	-	0.56	0.30	1.00	0.50	0.12	0.32	0.25
Q GB0014R	0.93	0.61	1.13	1.19	0.51	0.34	0.71	0.61	0.79	0.47	0.76	0.32
Q GB0015R	0.07	0.02	0.05	0.07	0.54	0.21	0.63	0.67	0.03	0.16	0.10	0.02
HU0002R	0.40	-	0.63	0.66	1.19	0.91	0.56	0.97	1.44	0.47	0.57	0.14
IE0001R	0.35	0.04	0.21	4.15	1.89	0.23	0.05	0.29	0.05	0.02	0.04	0.10
IE0002R	1.11	0.20	0.50	0.86	0.36	0.63	0.25	0.35	0.56	0.26	0.28	0.37

Table 3.9 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IE0003R	0.42	0.18	0.70	0.66	0.52	0.60	0.51	0.31	0.17	0.10	0.32	0.17
IE0004R	1.31	0.36	1.04	0.30	0.54	1.01	0.42	0.46	0.40	0.25	0.66	0.26
I IT0001R	0.28	0.37	-	0.38	1.07	0.57	-	0.30	-	0.12	0.25	0.30
IT0004R	0.14	-	-	0.97	1.40	0.88	0.99	0.71	0.27	2.00	0.53	0.14
LT0015R	3.23	2.64	1.53	0.68	0.46	0.40	0.11	0.11	0.17	0.12	0.40	0.55
LV0010R	0.54	0.51	0.44	0.71	0.20	0.18	0.51	0.23	0.23	0.15	0.24	0.35
LV0016R	1.20	0.77	0.86	0.86	0.52	0.28	0.13	0.27	0.21	0.18	0.29	0.64
NL0009R	1.82	0.95	1.48	0.96	1.23	0.97	1.27	1.20	0.69	0.56	0.84	0.73
NO0001R	0.90	0.39	0.35	0.12	0.21	0.29	0.40	0.72	0.36	0.47	0.59	0.55
NO0008R	0.36	0.30	0.26	0.40	0.44	0.41	0.68	0.57	0.17	0.17	0.25	0.24
NO0015R	0.21	0.15	0.17	0.27	0.21	0.22	0.30	0.16	0.16	0.17	0.11	0.29
NO0039R	0.14	0.18	0.11	0.07	0.11	0.36	0.30	0.32	0.10	0.06	0.10	0.13
NO0041R	0.18	0.18	0.14	0.11	0.10	0.13	0.23	0.40	0.15	0.10	0.20	0.14
NO0055R	0.04	0.17	0.14	0.10	0.08	-	0.30	0.11	0.14	0.15	0.15	0.15
PL0002R	3.13	0.87	1.32	1.11	0.82	0.45	0.29	1.17	1.01	0.79	1.11	0.56
PL0003R	0.28	1.06	1.84	0.69	0.80	0.62	0.19	0.45	1.58	0.50	0.49	0.46
PL0004R	2.19	0.50	0.84	1.10	0.61	0.38	0.55	0.52	0.46	0.18	0.55	0.37
PL0005R	0.83	0.58	0.42	2.22	1.05	0.49	0.44	0.54	0.47	0.29	0.60	0.35
PT0001F	0.30	-	-	0.47	0.29	0.04	0.65	0.04	0.58	0.02	0.08	0.03
PT0003F	0.22	0.45	-	0.41	0.24	0.13	-	0.08	-	0.11	0.04	0.15
PT0004F	0.01	-	-	0.27	0.12	0.06	1.26	-	0.55	0.06	0.02	0.01
RU0001R	0.03	0.09	0.13	0.03	0.13	0.00	0.01	0.01	0.02	0.05	0.09	0.16
RU0013R	0.73	0.80	0.49	0.62	1.05	0.30	0.38	0.52	0.36	0.43	0.76	0.17
RU0016R	0.34	0.66	0.17	0.38	0.30	0.43	3.59	0.13	0.18	0.13	0.45	0.29
SE0002F	1.31	0.57	1.54	0.74	0.51	0.35	0.26	2.00	0.91	0.34	0.47	0.39
SE0005F	0.07	0.04	0.05	0.03	0.12	0.03	0.07	0.14	0.10	0.06	0.03	0.07
SE0011F	1.67	0.85	1.86	1.57	0.66	0.79	0.36	1.05	0.50	0.35	0.72	0.51
SE0012F	0.52	0.23	0.40	0.31	0.38	0.13	0.22	0.47	0.35	0.29	0.65	0.25
SK0002R	0.31	0.69	1.60	0.97	0.96	0.79	0.26	0.45	0.90	0.54	0.42	0.25
SK0004R	0.09	0.29	0.66	0.72	0.76	0.75	0.45	0.56	0.86	0.57	0.28	0.34
SK0005R	0.43	0.36	1.01	0.64	0.70	0.51	0.20	0.51	0.55	0.59	0.32	0.49
SK0006R	0.66	0.98	1.69	0.58	0.53	0.58	0.46	0.14	0.50	0.72	0.32	0.37
TR0001R	-	1.50	1.15	0.63	1.30	0.56	1.11	0.40	-	0.44	0.55	0.36
I YU0005R	1.16	1.10	0.96	0.86	0.89	1.30	0.49	0.57	0.82	0.80	0.81	0.43
I YU0008R	0.27	0.57	0.83	0.50	0.43	0.95	0.65	1.13	0.67	0.41	0.15	0.12

Table 3.10: Ammonium in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	92	99	100	98	100	100	100	100	100	95	99	100
AT0004R	63	91	99	100	100	99	100	100	98	99	99	98
AT0005R	100	100	100	100	100	100	98	96	100	100	98	99
CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
CS0001R	0	0	0	51	100	76	99	90	100	99	88	100
CS0003R	92	96	98	99	97	97	99	100	100	98	94	97
DE0001R	0	98	99	95	98	98	99	96	94	98	98	99
DE0002R	82	98	97	96	99	98	97	99	97	98	99	98
DE0003R	99	99	99	99	99	99	99	72	99	99	99	99
DE0004R	96	99	99	95	99	99	99	100	97	100	100	99
DE0005R	100	93	99	99	98	99	76	100	98	99	98	99
DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
DE0008R	85	99	99	98	97	98	98	98	95	99	94	98
DE0009R	0	98	99	100	99	99	98	99	98	98	98	97
DK0003R	94	99	99	95	98	99	99	100	99	99	98	97
DK0005R	53	97	97	98	99	0	0	0	91	99	99	98
DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
EE0009R	100	73	32	85	87	97	98	93	93	88	77	55
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100
I ES0001R	100	0	100	97	93	100	20	92	97	95	100	100
I ES0003R	100	100	100	100	100	100	99	100	100	100	100	98

Table 3.10 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
I ES0004R	100	100	100	100	100	100	100	100	100	100	100	100
I ES0005R	100	100	100	99	96	100	100	95	100	100	99	98
I ES0006R	100	100	100	55	0	0	0	0	0	95	91	100
I ES0007R	100	100	100	96	100	100	100	96	100	96	99	100
FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
FI0022F	98	98	98	97	98	99	97	99	99	97	97	93
FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
FR0008F	78	97	96	100	99	100	99	94	99	97	100	99
FR0009F	65	96	89	90	88	99	87	96	100	86	97	88
FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
FR0012F	74	100	34	98	80	72	97	84	100	100	99	74
Q GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
Q GB0006R	100	100	100	100	100	100	100	96	100	99	99	99
Q GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
Q GB0014R	99	100	99	100	100	100	100	100	98	99	99	98
Q GB0015R	98	100	100	100	88	100	100	100	100	83	98	99
HU0002R	100	100	100	100	100	100	96	92	100	100	100	97
IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
IE0002R	100	98	90	97	98	99	97	100	100	100	100	100
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100
I IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100
LV0010R	100	100	100	100	99	100	100	100	100	100	96	99
LV0016R	92	95	98	95	99	97	97	96	99	99	92	96
NL0009R	96	97	95	92	97	98	97	96	94	95	65	92
NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
NO0008R	99	99	99	100	93	98	98	98	96	99	96	99
NO0015R	44	62	65	59	33	86	79	98	99	99	61	65
NO0039R	98	100	99	99	99	93	95	95	99	99	97	99
NO0041R	95	100	100	100	99	64	100	99	100	99	82	94
NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
PL0002R	84	96	99	99	99	98	100	100	98	98	99	93
PL0003R	99	98	98	99	96	99	98	99	99	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	100	99	96	98	99	99	99	100	99	93	99	47
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	18	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	99	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	74	82	89	94	97	93	93	90	88	95
SK0004R	73	88	77	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	90	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	58	100	100	100	100	100	98	98
I YU0005R	100	100	100	100	100	99	99	100	98	100	100	100
I YU0008R	100	100	100	100	100	100	96	85	100	99	98	97

Table 3.11: Monthly weighted averages of nitrate in precipitation in 1997. (Unit: mg N/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	1.33	0.99	0.42	0.80	0.43	0.46	-	0.60	0.33	1.29	0.34	0.59
AT0004R	0.41	0.58	0.72	0.80	0.44	0.32	0.34	0.43	0.33	0.36	0.42	0.38
AT0005R	0.14	-	0.59	0.58	0.43	0.32	0.32	0.21	0.33	1.91	0.10	0.16
CH0002F	0.28	0.18	0.62	0.42	0.28	0.19	0.36	0.25	0.23	0.22	0.20	0.24
CH0003F	0.51	0.15	0.69	0.56	0.43	0.28	0.37	0.28	0.33	0.17	0.18	0.20
CH0004F	0.18	0.18	0.53	0.42	0.31	0.20	0.29	0.31	0.16	0.15	0.17	0.19
CH0005F	0.13	0.20	0.90	0.43	0.40	0.27	0.29	0.23	0.28	0.23	0.30	0.33
CS0001R	-	-	-	1.03	0.44	0.38	0.28	0.59	0.68	0.38	0.63	0.50
CS0003R	0.49	0.34	0.77	0.90	0.73	0.53	0.34	0.44	0.88	0.54	0.70	0.40
DE0001R	-	0.64	0.69	0.57	0.66	0.44	0.73	0.93	0.89	0.26	0.80	0.48
DE0002R	1.73	0.44	1.04	0.63	0.81	0.51	0.56	0.70	0.86	0.44	0.35	0.70
DE0003R	0.20	0.27	0.93	0.71	0.29	0.23	0.43	0.44	0.43	0.27	0.31	0.30
DE0004R	0.62	0.25	0.95	0.73	0.46	0.36	0.67	0.46	0.66	0.27	0.38	0.40
DE0005R	0.24	0.51	1.10	0.71	0.41	0.49	0.46	0.38	0.80	0.55	0.36	0.50
DE0007R	0.78	0.49	1.06	0.78	0.53	0.83	0.32	0.41	0.95	0.28	0.62	0.70
DE0008R	0.62	0.36	0.89	0.83	0.51	0.38	0.42	0.65	0.62	0.44	0.59	0.42
DE0009R	-	0.55	0.60	0.85	0.56	0.57	0.61	0.56	1.11	0.45	1.07	0.52
DK0003R	0.82	0.43	0.34	0.39	0.64	0.34	0.32	0.74	0.66	0.27	0.61	0.35
DK0005R	3.88	0.43	0.62	0.47	0.32	2.99	-	-	0.43	0.26	0.60	0.42
DK0008R	2.60	0.52	0.74	0.79	0.57	0.65	0.24	0.98	1.17	0.43	0.92	0.48
EE0009R	0.74	0.55	1.04	0.53	0.37	0.09	0.06	0.25	0.06	0.19	0.40	0.40
EE0011R	1.47	-	0.96	0.67	0.48	0.35	0.44	1.20	0.39	0.10	0.33	0.76
ES0001R	0.07	-	-	0.24	0.45	0.14	0.19	0.62	0.57	0.08	0.17	0.20
ES0003R	0.31	-	-	0.61	1.02	0.97	0.99	0.48	0.77	0.80	0.47	0.44
ES0004R	0.35	-	-	0.52	0.54	0.16	0.50	0.41	0.35	0.76	0.31	0.26
ES0005R	0.20	0.14	-	0.80	0.12	0.08	-	0.53	9.25	0.13	0.18	0.16
ES0006R	0.43	1.01	-	7.23	17.52	5.04	9.96	-	6.51	0.73	0.45	-
ES0007R	0.05	-	2.19	0.46	0.57	0.25	-	1.01	0.24	0.41	0.28	0.25
FI0004F	0.21	0.37	0.33	0.18	0.31	0.09	0.14	0.19	0.08	0.12	0.37	0.31
FI0009F	0.79	0.68	1.69	0.70	0.41	0.21	0.24	0.48	0.27	0.28	0.75	0.77
FI0017F	0.47	0.74	0.40	0.41	0.52	0.13	0.14	0.60	0.15	0.18	0.47	0.39
FI0022F	0.16	0.17	0.19	0.16	0.09	0.06	0.08	0.11	0.09	0.07	0.21	0.23
FR0003F	0.63	0.14	2.41	-	0.21	0.20	0.42	0.25	0.66	0.34	0.12	0.20
FR0005F	1.82	0.19	0.42	0.20	0.27	0.39	0.44	0.29	0.56	0.18	0.18	0.22
FR0008F	0.21	0.15	0.56	0.40	0.31	0.21	0.36	0.28	0.28	0.25	0.21	0.19
FR0009F	0.75	0.26	0.60	0.57	0.22	0.33	0.40	0.24	0.34	0.17	0.28	0.28
FR0010F	0.74	0.11	0.85	0.21	0.19	0.17	0.30	0.19	0.30	0.12	0.14	0.23
FR0011F	0.15	0.15	0.31	0.26	0.19	0.16	0.30	0.21	0.21	0.14	0.13	0.17
FR0012F	0.24	0.29	0.74	0.11	0.24	0.16	0.22	0.28	0.23	0.24	0.09	0.08
GB0002R	0.93	0.11	0.26	0.19	0.20	0.40	0.20	0.58	0.13	0.22	0.37	0.17
GB0006R	0.33	0.10	0.10	0.19	0.13	0.51	0.24	0.14	0.12	0.14	0.25	0.11
GB0013R	0.60	0.13	0.67	-	-	0.53	0.23	0.83	0.43	0.07	0.25	0.24
GB0014R	0.66	0.32	0.46	0.58	0.33	0.38	0.60	0.57	0.51	0.38	0.71	0.30
GB0015R	0.22	0.05	0.10	0.10	0.38	0.21	0.41	0.37	0.03	0.36	0.26	0.07
HU0002R	0.65	-	0.76	0.97	0.50	0.31	0.34	0.53	0.63	0.34	0.47	0.26
IE0001R	0.26	0.03	0.19	0.22	0.24	0.10	0.08	0.05	0.08	0.07	0.05	0.05
IE0002R	1.04	0.08	0.22	0.31	0.18	0.44	0.10	0.29	0.39	0.22	0.23	0.24
IE0003R	0.42	0.03	0.15	0.21	0.49	0.47	0.37	0.23	0.07	0.06	0.27	0.07
IE0004R	0.58	0.04	0.31	0.09	0.15	0.77	0.13	0.24	0.16	0.10	0.34	0.08
IT0001R	0.35	0.37	-	0.55	2.02	0.61	-	0.18	-	0.26	0.20	0.37
IT0004R	0.45	-	-	0.51	0.95	0.54	0.83	0.44	0.85	1.79	0.46	0.19
LT0015R	2.03	0.54	0.20	0.37	0.30	0.36	0.22	0.38	0.29	0.27	0.57	0.88
Q LV0010R	1.17	0.53	0.59	0.50	0.32	0.12	0.26	0.27	0.13	0.19	0.39	0.47
Q LV0016R	0.78	0.63	1.03	0.77	0.43	0.79	0.57	0.93	0.55	0.44	0.34	0.58
NL0009R	2.38	0.44	0.63	0.46	0.79	0.47	0.78	0.43	0.43	0.27	0.62	0.67
NO0001R	0.95	0.43	0.39	0.18	0.31	0.24	0.47	0.56	0.45	0.45	0.63	0.79
NO0008R	0.36	0.15	0.15	0.16	0.58	0.40	0.50	0.35	0.16	0.20	0.34	0.23
NO0015R	0.06	0.05	0.06	0.09	0.08	0.12	0.11	0.08	0.08	0.07	0.13	0.13
NO0039R	0.08	0.04	0.05	0.04	0.09	0.17	0.16	0.27	0.05	0.02	0.08	0.13
NO0041R	0.30	0.25	0.23	0.24	0.14	0.11	0.12	0.25	0.07	0.16	0.36	0.33
NO0055R	0.19	0.13	0.18	0.11	0.14	-	0.10	0.08	0.07	0.15	0.20	0.08
PL0002R	2.51	0.89	0.81	0.74	0.52	0.31	0.17	0.56	0.44	0.62	0.50	0.59
PL0003R	0.40	1.33	1.30	0.59	0.67	0.71	0.43	0.89	1.37	0.85	0.46	0.54
PL0004R	2.19	0.59	0.83	0.91	0.43	0.39	0.48	0.65	0.34	0.20	0.81	0.71
PL0005R	1.29	0.89	0.50	0.90	0.93	0.38	0.24	0.33	0.38	0.30	0.31	0.38
PT0001F	0.21	-	-	0.29	0.26	0.11	0.42	0.09	0.46	0.10	0.06	0.09
PT0003F	0.17	0.31	-	0.20	0.18	0.13	-	0.18	-	0.14	0.10	0.19
PT0004F	0.09	-	-	0.20	0.17	0.06	0.86	-	0.71	0.14	0.08	0.09

Table 3.11 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RU0001R	0.19	0.16	0.26	0.06	0.10	0.03	0.03	0.03	0.01	0.06	0.20	0.18
RU0013R	0.32	0.56	0.20	0.36	0.36	0.12	0.19	0.22	0.13	0.13	0.20	0.11
RU0016R	0.70	0.90	0.34	0.57	0.28	0.15	0.28	0.10	0.11	0.25	0.56	0.45
SE0002F	1.26	0.68	1.32	0.76	0.49	0.40	0.28	1.18	0.81	0.45	0.71	0.62
SE0005F	0.16	0.21	0.16	0.06	0.13	0.06	0.08	0.08	0.13	0.14	0.12	0.34
SE0011F	1.19	0.78	1.23	1.03	0.58	0.59	0.30	0.68	0.34	0.36	0.75	0.65
SE0012F	0.74	0.39	0.54	0.41	0.30	0.14	0.21	0.52	0.38	0.37	0.76	0.42
SK0002R	0.13	0.75	1.21	0.80	0.44	0.42	0.17	0.18	0.60	0.39	0.23	0.28
SK0004R	0.17	0.65	0.75	0.55	0.51	0.35	0.22	0.29	0.34	0.39	0.28	0.28
SK0005R	0.23	0.35	0.78	0.64	0.49	0.33	0.17	0.32	0.41	0.45	0.34	0.49
SK0006R	0.54	1.00	1.83	0.56	0.35	0.34	0.25	0.15	0.47	0.40	0.32	0.48
TR0001R	-	0.64	0.29	0.22	1.55	0.14	0.91	0.36	-	0.23	0.19	0.24
I YU0005R	0.77	0.77	0.65	0.71	0.60	0.68	0.58	0.30	0.54	0.65	0.93	0.77
I YU0008R	0.24	0.34	0.57	0.49	0.33	0.62	0.46	0.45	0.68	0.64	0.39	0.35

Table 3.12: Nitrate in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	98	99	100	100	100	100	100	100	100	95	100	100
AT0004R	96	99	99	100	99	98	100	100	100	100	98	99
AT0005R	100	100	100	100	100	100	100	100	100	100	100	99
CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
CS0001R	0	0	0	51	100	76	99	100	100	99	88	100
CS0003R	91	96	97	99	96	97	99	100	99	98	93	97
DE0001R	0	98	99	95	98	98	99	96	94	98	98	99
DE0002R	82	98	97	96	99	98	98	99	94	98	99	98
DE0003R	99	99	99	99	99	99	99	72	99	99	99	99
DE0004R	96	99	99	95	99	99	99	100	99	100	100	99
DE0005R	100	93	99	99	98	99	76	100	98	99	98	99
DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
DE0008R	85	99	99	98	97	98	99	98	95	99	94	98
DE0009R	0	98	99	100	99	99	98	99	98	98	98	97
DK0003R	94	99	99	99	99	99	99	100	99	99	99	99
DK0005R	82	99	99	99	99	100	0	0	88	99	99	98
DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
EE0009R	100	98	92	99	92	100	98	100	100	34	77	60
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100
ES0001R	100	0	100	97	100	100	94	92	98	98	100	100
ES0003R	100	100	100	100	100	100	99	100	100	100	100	100
ES0004R	100	100	100	100	100	100	100	100	100	100	100	100
ES0005R	100	100	100	100	100	100	100	95	100	100	100	100
ES0006R	100	100	100	55	93	100	100	0	100	95	100	100
ES0007R	100	100	100	96	100	100	100	96	100	100	100	100
FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
FI0022F	98	98	98	97	98	99	97	99	99	97	97	94
FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
FR0008F	78	97	96	100	99	100	99	94	99	97	100	99
FR0009F	65	96	89	92	88	99	87	96	100	86	97	88
FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
FR0012F	74	100	34	98	80	72	97	84	100	100	99	74
GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
GB0006R	100	100	100	100	100	100	100	96	100	99	99	99
GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
GB0014R	99	100	99	100	100	100	100	100	98	99	99	98
GB0015R	98	100	100	100	88	100	100	100	100	83	98	99
HU0002R	100	100	100	100	100	100	96	92	100	100	100	100
IE0001R	90	99	93	97	98	96	98	99	98	92	99	98

Table 3.12 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IE0002R	100	98	90	97	98	99	97	100	100	100	100	100
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100
IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100
Q LV0010R	100	100	100	100	99	100	100	100	100	100	96	99
Q LV0016R	92	96	98	97	99	97	98	96	98	98	13	96
NL0009R	96	98	95	92	99	99	97	96	96	98	77	95
NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
NO0008R	99	99	99	100	93	98	98	98	99	99	99	99
NO0015R	44	62	65	59	33	86	81	98	99	99	61	65
NO0039R	99	100	99	99	99	93	95	95	98	99	97	99
NO0041R	95	100	100	100	99	93	100	99	100	99	82	94
NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
PL0002R	88	95	99	99	99	98	100	100	100	98	99	93
PL0003R	99	98	98	99	96	99	99	99	99	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	100	99	99	98	100	100	99	100	100	100	99	47
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	18	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	87	82	89	94	97	93	93	90	90	95
SK0004R	73	88	88	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	86	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	96	100	100	100	100	100	98	100
I YU0005R	100	100	100	100	100	100	99	99	98	100	100	100
I YU0008R	100	100	100	100	100	100	96	85	100	99	98	97

Table 3.13: Monthly weighted averages of sodium in precipitation in 1997. (Unit: mg Na/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	0.46	0.22	0.13	0.31	0.14	0.09	-	0.10	0.08	0.24	0.07	0.16
AT0004R	0.06	0.25	0.21	0.50	0.13	0.06	0.07	0.04	0.06	0.12	0.07	0.07
AT0005R	0.14	-	0.11	0.08	0.45	0.15	0.06	0.07	0.02	0.08	0.04	0.04
CH0002F	0.03	0.35	0.23	0.14	0.10	0.08	0.05	0.19	0.10	0.09	0.05	0.10
CH0003F	0.11	0.20	0.23	0.13	0.09	0.04	0.04	0.08	0.09	0.05	0.05	0.06
CH0004F	0.03	0.42	0.34	0.19	0.10	0.05	0.05	0.21	0.04	0.10	0.08	0.14
CH0005F	0.04	0.07	0.31	0.17	0.04	0.04	0.03	0.08	0.06	0.13	0.05	0.10
CS0001R	-	-	-	0.15	0.09	0.12	0.07	0.23	0.38	0.11	0.03	0.07
CS0003R	0.13	0.08	0.24	0.32	0.18	0.08	0.05	0.08	0.24	0.33	0.08	0.06
DE0001R	-	10.30	6.23	9.69	1.17	0.73	0.69	1.30	13.53	17.76	2.95	6.03
DE0002R	0.22	0.89	0.92	0.69	0.17	0.08	0.09	0.09	0.85	2.17	0.05	0.59
DE0003R	0.17	0.43	0.43	0.27	0.06	0.05	0.08	0.25	0.08	0.18	0.28	0.22
DE0004R	0.24	0.42	0.44	0.70	0.18	0.10	0.19	0.07	0.12	0.24	0.34	0.47
DE0005R	0.04	0.32	0.31	0.21	0.21	0.04	0.08	0.05	0.11	0.21	0.09	0.17
DE0007R	0.16	0.44	0.60	0.30	0.09	0.10	0.04	0.27	1.41	0.59	0.09	0.29
DE0008R	0.28	0.20	0.29	0.36	0.13	0.04	0.10	0.09	0.12	0.49	0.22	0.26
DE0009R	-	0.88	0.64	0.39	0.25	0.36	0.44	0.32	2.02	2.83	0.38	0.41
DK0003R	2.99	1.71	1.07	0.81	0.26	0.34	0.18	0.29	4.08	1.72	0.34	1.81
DK0005R	2.61	3.14	2.16	2.51	0.38	-	-	-	13.05	2.09	0.96	0.94
DK0008R	14.08	6.96	5.44	8.99	1.27	1.03	2.21	0.84	18.04	12.23	2.17	1.36

Table 3.13 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
EE0009R	0.43	0.59	0.74	0.26	0.22	0.15	0.29	0.23	0.44	0.28	0.39	1.12
EE0011R	3.80	-	2.45	0.65	0.31	0.65	1.10	1.16	1.48	2.60	0.31	0.81
ES0001R	0.18	-	-	0.30	0.62	0.22	0.82	0.65	0.34	0.33	0.46	0.33
ES0003R	0.79	-	-	2.15	1.07	1.46	0.73	0.46	0.37	0.95	0.62	0.38
ES0004R	0.38	-	-	0.73	1.47	0.13	0.26	0.20	0.26	0.49	0.26	0.15
ES0005R	0.76	4.12	-	2.36	2.11	2.92	-	3.57	24.50	1.97	3.67	2.63
ES0006R	34.07	31.57	-	229.94	435.00	101.39	-	-	-	18.29	40.18	-
ES0007R	0.22	-	1.06	0.53	0.48	0.22	-	0.63	0.16	0.25	0.55	0.48
FI0004F	0.25	0.20	0.20	0.12	0.11	0.03	0.03	0.09	0.09	0.06	0.06	0.07
FI0009F	2.85	3.56	31.19	0.94	0.74	0.23	0.69	0.16	1.02	1.36	1.26	1.85
FI0017F	0.17	0.57	0.63	0.21	0.22	0.06	0.08	0.08	0.31	0.30	0.18	0.09
FI0022F	0.09	0.10	0.12	0.08	0.11	0.04	0.03	0.04	0.13	0.31	0.06	0.07
FR0003F	0.41	1.35	9.79	-	0.54	0.46	0.60	0.33	0.57	0.94	1.14	0.74
FR0005F	9.70	9.39	1.78	1.33	4.07	2.62	2.24	1.74	2.91	2.64	3.60	4.42
FR0008F	0.37	0.25	0.39	0.31	0.11	0.07	0.12	0.28	0.10	0.38	0.16	0.19
FR0009F	0.98	0.78	1.14	0.82	0.30	0.10	0.34	0.21	0.20	0.25	0.44	0.61
FR0010F	0.46	0.69	0.63	0.71	0.24	0.27	0.12	0.25	0.11	0.22	0.50	0.37
FR0011F	0.09	0.41	0.22	0.30	0.11	0.07	0.04	0.79	0.05	0.21	0.11	0.28
FR0012F	0.46	0.87	1.04	0.05	0.23	0.13	0.25	0.09	0.16	0.54	0.49	0.89
GB0002R	1.67	2.65	2.37	0.83	0.69	0.38	0.24	0.35	0.75	0.73	0.45	1.73
GB0006R	0.79	7.44	3.51	1.77	1.98	0.52	0.86	0.93	2.11	1.45	1.53	2.84
GB0013R	2.35	4.97	0.89	-	-	1.09	0.19	0.54	0.94	1.47	2.48	3.28
GB0014R	3.58	1.51	0.68	2.39	1.55	1.06	0.28	0.28	0.59	3.75	1.39	1.87
GB0015R	1.02	4.01	5.52	1.17	0.20	0.56	0.20	0.21	3.29	1.10	1.03	1.49
I HU0002R	1.20	-	1.02	1.79	0.48	0.47	0.47	0.53	0.68	0.62	0.58	0.82
IE0001R	2.56	22.94	10.70	2.97	7.19	2.79	2.93	3.56	5.01	2.73	4.66	43.88
IE0002R	4.03	3.10	3.07	1.20	0.70	0.99	0.37	0.77	1.30	1.06	1.53	2.86
IE0003R	2.61	13.24	5.74	2.41	2.10	1.18	1.64	1.25	2.59	1.35	2.01	10.95
IE0004R	0.96	2.98	1.99	0.55	0.51	0.44	0.18	0.57	0.96	0.77	1.06	2.53
IS0002R	5.62	8.89	8.91	1.44	1.28	1.20	0.43	1.68	1.54	1.05	1.51	3.60
IT0001R	2.23	0.86	-	1.31	4.43	1.13	-	0.21	-	0.13	0.70	1.40
IT0004R	0.12	-	-	0.12	0.43	0.32	0.19	0.17	0.23	0.09	0.15	0.04
LT0015R	12.23	7.16	11.48	4.39	0.59	0.82	0.31	2.40	4.04	2.09	1.16	1.42
LV0010R	0.61	1.20	0.45	0.42	0.04	0.02	0.22	0.08	0.54	0.26	0.09	0.20
LV0016R	1.02	1.28	2.56	0.59	0.14	0.15	-	0.17	0.33	0.28	0.25	0.47
NL0009R	-	1.83	1.93	2.93	0.54	0.72	0.52	0.57	1.63	4.90	1.64	3.83
NO0001R	0.61	1.88	3.33	0.30	0.48	0.31	0.43	0.46	0.74	0.49	1.14	0.91
NO0008R	1.04	4.71	7.70	3.08	0.86	0.39	0.56	0.32	1.66	1.52	0.50	0.61
NO0015R	3.46	1.93	3.07	1.76	0.40	0.20	0.23	0.44	1.34	1.44	0.31	0.50
NO0039R	5.31	4.00	1.58	3.35	0.81	0.25	0.25	0.17	0.62	1.52	0.64	0.49
NO0041R	0.12	0.24	0.14	0.22	0.08	0.06	0.05	0.05	0.04	0.14	0.12	0.11
NO0055R	0.35	0.51	1.83	0.73	0.48	-	0.20	0.20	0.20	0.83	0.49	0.24
PL0002R	0.90	0.54	0.45	0.39	0.14	0.11	0.04	0.09	0.35	0.30	0.11	0.18
PL0003R	0.55	1.49	1.54	1.31	0.40	0.19	0.18	0.50	1.21	1.05	0.29	0.41
PL0004R	1.12	1.28	1.02	1.81	0.25	0.44	0.22	0.26	0.96	0.90	4.80	0.42
PL0005R	0.36	0.91	0.23	0.54	0.14	0.09	0.05	0.16	0.39	0.52	0.09	0.09
PT0001F	0.76	-	-	0.13	0.21	0.18	0.47	0.01	0.01	0.02	0.13	0.14
PT0003F	3.21	3.43	-	1.90	2.27	3.01	-	0.67	-	1.65	3.59	3.21
PT0004F	1.65	-	-	2.00	1.29	1.87	5.19	-	1.60	2.41	4.12	4.62
RU0001R	0.50	0.38	0.82	0.52	0.36	0.40	0.22	0.32	0.38	0.44	0.60	0.72
RU0013R	1.94	1.28	0.61	0.59	1.04	0.34	0.32	0.33	0.43	0.25	0.49	0.86
RU0016R	5.61	5.32	1.12	1.55	2.57	2.78	0.70	0.69	0.95	2.90	11.05	16.14
SE0002F	2.14	3.18	3.86	2.21	0.38	0.27	0.28	0.68	2.21	4.31	0.65	1.00
SE0005F	1.06	0.18	0.40	0.14	0.08	0.06	0.04	0.03	0.10	0.08	0.04	0.04
SE0011F	0.42	1.58	0.65	1.60	0.21	0.35	0.27	0.09	5.40	1.13	0.69	1.18
SE0012F	0.21	0.67	2.65	0.08	0.14	0.07	0.09	0.07	0.32	0.31	0.24	0.26
SK0002R	0.31	0.82	0.48	0.41	0.21	0.33	0.11	0.17	0.26	0.21	0.35	0.27
SK0004R	0.20	0.34	0.28	0.31	0.34	0.23	0.17	0.12	0.22	0.19	0.30	0.41
SK0005R	0.31	0.49	0.67	0.44	0.39	0.26	0.26	0.20	0.53	0.28	0.25	0.31
SK0006R	0.30	0.55	0.58	0.51	0.18	0.44	0.53	0.09	0.32	0.35	0.21	0.12
TR0001R	-	0.64	0.47	0.24	0.41	0.07	1.19	0.38	-	0.28	0.75	0.26
Q YU0005R	1.95	2.43	2.38	1.20	1.15	1.83	-	-	-	-	-	-
Q YU0008R	1.01	1.61	1.28	1.50	0.83	1.77	-	-	-	-	-	-

Table 3.14: Sodium in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	92	99	100	98	100	100	100	100	100	95	99	100
AT0004R	63	91	99	100	100	99	100	100	98	99	99	98
AT0005R	100	100	100	100	100	100	98	96	100	100	98	99
CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
CS0001R	0	0	0	51	100	76	99	90	100	95	88	71
CS0003R	91	96	98	99	96	97	99	100	100	98	94	96
DE0001R	0	98	99	95	98	98	99	95	94	97	98	99
DE0002R	78	98	96	96	99	82	98	99	95	97	98	98
DE0003R	99	99	99	99	99	99	99	97	99	99	99	99
DE0004R	96	99	99	95	99	99	99	100	99	100	100	98
DE0005R	100	93	99	99	96	99	76	100	98	99	98	99
DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
DE0008R	85	99	98	98	97	98	99	98	93	99	94	98
DE0009R	0	97	99	96	99	99	98	99	97	98	98	97
DK0003R	94	98	98	97	96	98	99	100	99	98	96	96
DK0005R	53	94	96	96	98	0	0	0	85	97	98	97
DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
EE0009R	100	94	78	99	92	100	98	100	100	98	79	60
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100
ES0001R	100	0	100	97	100	100	20	92	93	95	98	94
ES0003R	100	100	100	100	100	97	99	100	98	100	93	97
ES0004R	100	100	100	100	100	100	100	100	96	81	100	100
ES0005R	100	100	100	99	100	100	100	94	100	100	99	98
ES0006R	100	100	100	55	93	69	0	0	0	94	91	100
ES0007R	95	100	100	96	100	100	100	96	99	93	99	99
FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
FI0022F	98	98	98	97	98	99	97	99	99	97	97	93
FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
FR0008F	78	97	96	100	99	100	99	94	99	97	100	99
FR0009F	65	96	89	92	88	99	87	96	100	86	97	88
FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
FR0012F	74	100	34	98	80	72	97	84	100	100	99	74
GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
GB0006R	100	100	100	100	100	100	100	96	100	99	99	97
GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
GB0014R	99	100	99	100	95	98	100	91	76	87	99	96
GB0015R	98	100	100	100	72	100	100	100	100	83	98	99
I HU0002R	100	100	100	100	100	98	96	92	100	100	94	97
IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
IE0002R	81	97	100	87	95	96	98	100	100	100	100	100
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100
IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100
LV0010R	100	100	100	100	100	100	100	100	100	100	100	100
LV0016R	92	91	87	70	99	99	0	93	95	98	93	71
NL0009R	0	97	86	92	93	97	97	96	94	95	65	88
NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
NO0008R	99	99	99	100	93	98	98	99	99	99	99	99
NO0015R	44	62	65	59	33	86	81	98	99	99	61	65
NO0039R	99	100	99	99	99	93	95	97	99	99	97	99
NO0041R	95	100	100	100	99	93	100	99	100	99	82	94
NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
PL0002R	84	96	99	78	99	98	99	100	98	98	99	93
PL0003R	91	98	95	98	96	99	98	99	99	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	94	95	95	93	99	99	99	99	94	99	97	46
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	100	100	0	100	100	100	0	100	0	100	97	100

Table 3.14 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	74	82	89	94	97	93	93	90	88	95
SK0004R	73	88	77	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	90	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	92	98	100	100	81	100	100	98	100
Q YU0005R	96	100	99	100	100	100	0	0	0	0	0	0
Q YU0008R	100	100	100	98	100	100	0	0	0	0	0	0

Table 3.15: Monthly weighted averages of magnesium in precipitation in 1997. (Unit: mg Mg/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	0.175	0.128	0.083	0.162	0.109	0.099	-	0.208	0.140	0.156	0.075	0.174
AT0004R	0.013	0.041	0.070	0.090	0.053	0.044	0.022	0.015	0.033	0.034	0.017	0.012
AT0005R	0.177	-	0.210	0.188	0.128	0.054	0.058	0.036	0.033	0.163	0.013	0.029
CH0002F	0.005	0.055	0.048	0.032	0.038	0.043	0.024	0.041	0.033	0.023	0.032	0.034
CH0003F	0.008	0.034	0.059	0.039	0.054	0.016	0.008	0.021	0.016	0.025	0.039	0.028
CH0004F	0.016	0.060	0.069	0.037	0.030	0.013	0.010	0.053	0.011	0.022	0.027	0.030
CH0005F	0.005	0.010	0.053	0.037	0.016	0.015	0.008	0.013	0.011	0.031	0.017	0.025
CS0001R	-	-	-	0.087	0.032	0.056	0.041	0.090	0.147	0.057	0.026	0.024
CS0003R	0.037	0.028	0.035	0.060	0.042	0.043	0.019	0.030	0.072	0.054	0.021	0.012
DE0001R	-	1.165	0.902	1.187	0.226	0.141	0.126	0.209	1.838	1.907	0.366	0.685
DE0002R	0.170	0.135	0.183	0.115	0.096	0.092	0.053	0.058	0.118	0.340	0.278	0.150
DE0003R	0.093	0.083	0.104	0.059	0.031	0.019	0.035	0.050	0.034	0.055	0.039	0.042
DE0004R	0.077	0.071	0.118	0.135	0.065	0.040	0.083	0.043	0.052	0.052	0.060	0.071
DE0005R	0.005	0.055	0.054	0.047	0.032	0.021	0.023	0.019	0.035	0.034	0.028	0.023
DE0007R	0.040	0.069	0.096	0.066	0.032	0.047	0.026	0.047	0.188	0.101	0.025	0.049
DE0008R	0.051	0.028	0.037	0.057	0.033	0.019	0.018	0.036	0.033	0.071	0.037	0.033
DE0009R	-	0.177	0.120	0.129	0.091	0.186	0.142	0.243	0.323	0.415	0.108	0.079
DK0003R	0.336	0.193	0.117	0.084	0.025	0.036	0.015	0.041	0.482	0.188	0.067	0.210
DK0005R	0.352	0.330	0.255	0.303	0.078	-	-	-	1.213	0.238	0.085	0.074
DK0008R	1.893	0.827	0.622	1.036	0.143	0.150	0.249	0.135	2.173	1.467	0.263	0.157
EE0009R	0.040	0.063	0.082	0.038	0.112	0.081	0.111	0.089	0.141	0.087	0.042	0.402
EE0011R	0.540	-	0.245	0.101	0.135	0.351	0.500	0.490	0.208	0.216	0.060	0.170
ES0001R	0.032	-	-	0.055	0.148	0.069	0.222	0.267	0.116	0.065	0.068	0.068
ES0003R	0.190	-	-	0.435	0.355	0.377	0.372	0.227	0.307	0.393	0.382	0.199
ES0004R	0.122	-	-	0.144	0.149	0.051	0.085	0.092	0.035	0.144	0.474	0.048
ES0005R	0.093	0.444	-	0.241	0.201	0.324	-	0.397	3.100	0.246	2.022	0.266
ES0006R	5.127	4.336	-	37.381	36.500	14.000	-	-	-	2.649	4.388	-
ES0007R	0.264	-	1.832	0.288	0.422	0.156	-	0.562	0.225	0.253	0.187	0.180
FI0004F	0.038	0.027	0.035	0.019	0.030	0.016	0.009	0.019	0.017	0.007	0.014	0.010
FI0009F	0.348	0.421	4.188	0.117	0.113	0.042	0.090	0.025	0.125	0.156	0.148	0.210
FI0017F	0.036	0.125	0.125	0.034	0.107	0.029	0.021	0.046	0.051	0.044	0.049	0.027
FI0022F	0.014	0.014	0.020	0.013	0.011	0.008	0.009	0.009	0.016	0.036	0.007	0.007
FR0003F	0.048	0.229	1.590	-	0.127	0.143	0.188	0.117	0.201	0.262	0.185	0.102
FR0005F	1.152	1.254	0.273	0.216	0.533	0.396	0.308	0.236	0.381	0.345	0.475	0.565
FR0008F	0.158	0.059	0.082	0.052	0.030	0.016	0.021	0.064	0.027	0.054	0.024	0.015
FR0009F	0.201	0.166	0.171	0.133	0.062	0.020	0.086	0.055	0.041	0.017	0.057	0.071
FR0010F	0.142	0.166	0.120	0.106	0.051	0.037	0.030	0.073	0.041	0.038	0.067	0.049
FR0011F	0.040	0.154	0.152	0.100	0.096	0.051	0.014	0.119	0.024	0.078	0.018	0.023
FR0012F	0.233	0.240	0.270	0.027	0.093	0.047	0.041	0.030	0.098	0.090	0.070	0.117
GB0002R	0.223	0.353	0.319	0.132	0.096	0.063	0.052	0.061	0.166	0.125	0.066	0.327
GB0006R	0.213	1.055	0.464	0.250	0.298	0.095	0.191	0.226	0.370	0.291	0.335	0.601
GB0013R	0.320	0.651	0.248	-	-	0.157	0.059	0.102	0.167	0.308	0.474	0.586
GB0014R	0.511	0.203	0.101	0.350	0.208	0.146	0.069	0.053	0.102	0.487	0.200	0.272
GB0015R	0.182	0.570	0.711	0.155	0.035	0.110	0.056	0.080	0.549	0.256	0.243	0.366
HU0002R	-	-	0.440	1.034	0.381	0.202	0.322	0.389	0.512	0.403	0.379	0.425
Q IE0001R	0.291	2.682	1.292	0.424	0.872	0.324	0.334	0.411	0.576	0.320	0.578	5.033
IE0002R	0.595	0.443	0.576	0.239	0.157	0.154	0.084	0.132	0.155	0.142	0.167	0.341
IE0003R	0.327	1.526	0.704	0.353	0.295	0.147	0.205	0.149	0.298	0.148	0.141	1.369
IE0004R	0.147	0.370	0.293	0.083	0.061	0.059	0.028	0.070	0.129	0.082	0.106	0.280
IT0001R	0.302	0.167	-	0.315	0.777	0.304	-	0.283	-	0.049	0.129	0.215
IT0004R	0.024	-	-	0.031	0.104	0.063	0.060	0.045	0.090	0.039	0.033	0.013
LV0010R	0.127	0.222	0.167	0.132	0.094	0.079	0.136	0.174	0.147	0.138	0.079	0.143
LV0016R	0.380	0.280	0.815	0.400	0.254	0.356	0.961	0.414	0.436	0.340	0.323	0.333
NL0009R	-	0.232	0.251	0.378	0.080	0.093	0.072	0.071	0.191	0.581	0.165	0.461
NO0001R	0.071	0.233	0.399	0.038	0.046	0.038	0.041	0.051	0.087	0.057	0.135	0.103
NO0008R	0.107	0.605	0.806	0.323	0.074	0.099	0.046	0.027	0.199	0.159	0.050	0.055
NO0015R	0.462	0.277	0.416	0.236	0.020	0.026	0.025	0.051	0.168	0.180	0.041	0.063

Table 3.15 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO0039R	0.621	0.541	0.237	0.419	0.058	0.048	0.043	0.022	0.081	0.183	0.074	0.051
NO0041R	0.016	0.040	0.078	0.051	0.008	0.040	0.013	0.024	0.008	0.043	0.017	0.007
NO0055R	0.078	0.139	0.254	0.243	0.041	-	0.050	0.015	0.015	0.082	0.046	0.030
PL0002R	0.211	0.097	0.071	0.080	0.053	0.026	0.017	0.044	0.065	0.055	0.025	0.032
PL0003R	0.095	0.176	0.186	0.176	0.113	0.070	0.050	0.149	0.207	0.166	0.041	0.051
PL0004R	0.189	0.149	0.130	0.259	0.052	0.071	0.078	0.100	0.128	0.109	0.576	0.068
PL0005R	0.072	0.118	0.041	0.102	0.078	0.058	0.052	0.091	0.078	0.073	0.029	0.015
PT0001F	0.191	-	-	0.094	0.105	0.093	0.207	0.015	0.040	0.015	0.019	0.025
PT0003F	0.441	0.671	-	0.607	0.329	0.501	-	0.090	-	0.128	0.351	0.354
PT0004F	0.249	-	-	0.337	0.232	0.290	0.760	-	0.248	0.177	0.491	0.551
RU0001R	0.025	0.018	0.068	0.042	0.041	0.070	0.030	0.038	0.021	0.055	0.024	0.039
RU0013R	0.110	0.082	0.053	0.065	0.101	0.109	0.175	0.110	0.118	0.123	0.083	0.033
RU0016R	0.672	0.740	0.229	0.247	0.237	0.435	0.229	0.111	0.150	0.354	1.319	0.734
SE0002F	0.369	0.368	0.468	0.281	0.058	0.058	0.057	0.150	0.309	0.570	0.142	0.151
SE0005F	0.118	0.046	0.064	0.029	0.030	0.012	0.025	0.022	0.034	0.038	0.023	0.032
SE0011F	0.084	0.209	0.099	0.224	0.059	0.075	0.059	0.047	0.646	0.152	0.118	0.162
SE0012F	0.084	0.116	0.337	0.047	0.041	0.033	0.054	0.044	0.063	0.079	0.069	0.050
SK0002R	0.036	0.087	0.118	0.128	0.092	0.075	0.028	0.072	0.049	0.042	0.059	0.028
SK0004R	0.026	0.067	0.111	0.092	0.137	0.073	0.108	0.374	0.071	0.074	0.060	0.078
SK0005R	0.068	0.062	0.116	0.097	0.084	0.048	0.019	0.148	0.070	0.045	0.063	0.064
SK0006R	0.042	0.081	0.117	0.095	0.049	0.058	0.071	0.321	0.070	0.081	0.047	0.053
TR0001R	-	0.130	0.244	0.134	0.233	0.150	0.800	0.034	-	0.113	0.249	0.126
YU0005R	0.471	0.510	0.147	0.260	0.175	0.482	-	-	-	-	-	-
YU0008R	0.101	0.082	0.109	0.159	0.102	0.210	-	-	-	-	-	-

Table 3.16: Magnesium in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	92	99	100	98	100	100	100	100	100	95	99	100
AT0004R	63	91	99	100	100	99	100	100	98	99	99	98
AT0005R	100	100	100	100	100	100	98	96	100	100	98	99
CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
CS0001R	0	0	0	51	100	76	99	90	100	95	88	71
CS0003R	92	96	98	99	96	97	99	100	100	98	94	96
DE0001R	0	98	99	95	98	98	99	95	94	97	98	99
DE0002R	78	98	96	96	99	82	98	99	95	97	98	98
DE0003R	99	99	99	99	99	99	99	97	99	99	99	99
DE0004R	96	99	99	95	99	99	99	100	99	100	100	98
DE0005R	100	93	99	99	96	99	76	100	98	99	98	99
DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
DE0008R	85	99	98	98	97	98	99	98	93	99	94	98
DE0009R	0	97	99	96	99	99	98	99	97	98	98	97
DK0003R	94	98	98	97	96	94	99	100	99	98	95	89
DK0005R	53	97	97	96	98	0	0	0	85	97	98	97
DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
EE0009R	100	94	89	99	92	100	98	100	100	98	79	60
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100
ES0001R	100	0	100	97	100	100	20	92	93	95	98	94
ES0003R	100	100	100	100	100	97	99	100	98	100	93	97
ES0004R	100	100	100	100	100	100	100	100	96	81	100	100
ES0005R	100	100	100	99	100	100	100	94	100	100	99	98
ES0006R	100	100	100	55	93	69	0	0	0	94	91	100
ES0007R	95	100	100	96	100	100	100	96	99	93	99	99
FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
FI0022F	98	98	98	97	98	99	97	99	99	97	97	93
FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
FR0008F	78	97	96	100	99	100	99	94	99	97	100	99
FR0009F	65	96	89	92	88	99	87	96	100	86	97	88
FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
FR0012F	74	100	34	98	80	72	97	84	100	100	99	74

Table 3.16 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
GB0006R	100	100	100	100	100	100	100	96	100	99	99	99
GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
GB0014R	99	100	99	100	100	100	100	100	98	99	99	98
GB0015R	98	100	100	100	88	100	100	100	100	83	98	99
HU0002R	0	100	100	100	100	100	100	92	100	100	100	100
Q IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
IE0002R	81	97	100	87	95	96	98	100	100	100	100	100
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100
IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LV0010R	96	90	85	96	74	98	86	26	99	99	94	93
LV0016R	63	94	80	83	99	99	8	88	90	98	91	46
NL0009R	0	97	86	92	93	97	97	96	94	95	65	88
NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
NO0008R	99	99	99	100	93	98	98	99	96	99	99	99
NO0015R	44	62	65	59	33	86	81	98	99	99	61	65
NO0039R	99	100	99	99	99	93	95	97	99	99	97	99
NO0041R	95	100	100	100	99	93	100	99	100	99	82	94
NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
PL0002R	84	96	99	78	99	98	99	100	98	98	99	93
PL0003R	91	98	95	98	96	99	98	99	99	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	94	95	95	93	99	99	99	99	98	99	97	45
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	100	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
RU0013R	100	100	100	100	99	100	100	100	100	100	100	100
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	74	82	89	94	97	93	93	90	88	95
SK0004R	73	88	77	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	90	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	98	100	100	97	100	100	98	67
YU0005R	96	100	99	100	100	100	0	0	0	0	0	0
YU0008R	100	100	100	98	100	100	0	0	0	0	0	0

Table 3.17: Monthly weighted averages of chloride in precipitation in 1997. (Unit: mg Cl/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	0.65	0.41	0.74	1.37	0.90	0.89	-	1.36	1.28	0.84	0.80	1.53
AT0004R	0.17	0.39	0.32	0.80	0.21	0.13	0.14	0.10	0.15	0.20	0.15	0.13
AT0005R	0.26	-	0.20	0.17	0.78	0.33	0.17	0.18	0.15	0.25	0.27	0.12
CH0002F	0.07	0.65	0.47	0.24	0.17	0.11	0.09	0.34	0.10	0.16	0.09	0.20
CH0003F	0.24	0.36	0.42	0.25	0.14	0.07	0.05	0.09	0.10	0.09	0.10	0.09
CH0004F	0.07	0.74	0.55	0.32	0.17	0.08	0.07	0.34	0.06	0.17	0.13	0.26
CH0005F	0.04	0.16	0.53	0.29	0.09	0.07	0.04	0.08	0.09	0.19	0.10	0.17
CS0001R	-	-	-	0.24	0.09	0.15	0.23	0.44	0.86	0.53	0.16	0.24
CS0003R	0.36	0.36	0.58	0.74	0.30	0.15	0.13	0.23	0.46	0.72	0.25	0.17
DE0001R	-	18.79	11.18	17.21	2.18	1.30	1.22	2.45	26.06	34.52	5.37	10.80
DE0002R	0.92	1.71	1.76	1.34	0.49	0.33	0.24	0.21	0.53	4.40	0.17	1.17
DE0003R	0.26	0.88	0.86	0.48	0.15	0.10	0.19	0.52	0.36	0.35	0.46	0.43
DE0004R	0.53	0.88	0.83	1.36	0.42	0.22	0.38	0.15	0.23	0.56	0.69	0.93
DE0005R	0.10	0.58	0.54	0.40	0.11	0.12	0.12	0.13	0.22	0.35	0.13	0.30
DE0007R	0.20	0.92	1.32	0.73	0.22	0.23	0.15	0.62	2.31	1.32	0.35	0.50
DE0008R	0.61	0.45	0.57	0.70	0.25	0.24	0.23	0.29	0.27	0.93	0.39	0.52
DE0009R	-	1.58	1.29	1.58	0.54	0.78	0.76	0.60	4.10	5.54	0.81	0.73

Table 3.17 contd.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	DK0003R	5.20	3.24	1.91	1.81	0.51	0.57	0.40	0.46	7.13	3.02	0.70	3.15
	DK0005R	12.78	6.09	3.54	5.18	0.93	14.50	-	-	17.03	3.80	1.47	1.49
	DK0008R	21.52	12.02	9.26	14.19	1.96	1.65	3.86	1.02	31.05	20.75	3.46	2.37
	EE0009R	0.70	1.02	1.14	0.55	0.62	0.48	0.50	0.59	1.84	0.66	0.48	2.30
	EE0011R	11.80	-	4.45	0.95	0.51	0.61	1.40	5.80	2.85	3.80	0.75	1.40
	ES0001R	0.46	-	-	0.24	0.66	0.24	0.88	1.18	0.84	0.80	1.33	1.03
	ES0003R	1.18	-	-	3.38	1.43	2.35	0.89	0.85	0.74	2.06	1.54	1.14
	ES0004R	0.80	-	-	0.78	1.88	0.17	0.52	0.64	1.21	4.04	0.56	0.79
	ES0005R	1.20	4.36	-	3.04	3.87	3.74	-	6.97	80.55	3.71	6.53	4.10
	ES0006R	78.58	74.59	-	500.58	587.00	211.66	150.30	572.00	98.85	34.47	70.31	-
	ES0007R	0.40	-	1.97	0.65	0.52	0.24	-	1.06	0.47	0.61	1.44	1.36
	FI0004F	0.46	0.34	0.35	0.23	0.18	0.06	0.05	0.16	0.16	0.10	0.13	0.14
	FI0009F	4.75	5.75	60.14	1.58	1.22	0.46	1.07	0.33	1.80	2.40	2.09	3.24
	FI0017F	0.31	1.04	1.10	0.40	0.46	0.10	0.14	0.23	0.56	0.53	0.35	0.20
	FI0022F	0.20	0.21	0.24	0.14	0.15	0.05	0.06	0.07	0.22	0.54	0.11	0.13
	FR0003F	0.52	2.18	11.72	-	0.81	0.67	0.89	0.47	0.90	1.44	1.95	1.21
	FR0005F	13.88	16.95	2.75	2.56	6.76	4.70	3.73	3.05	4.95	4.72	6.32	7.96
	FR0008F	0.44	0.43	0.63	0.56	0.19	0.10	0.19	0.48	0.16	0.74	0.28	0.33
	FR0009F	1.50	1.35	1.91	1.44	0.51	0.17	0.56	0.41	0.32	0.40	0.73	1.05
	FR0010F	0.69	1.13	1.07	1.20	0.38	0.43	0.20	0.41	0.19	0.38	0.85	0.64
	FR0011F	0.13	0.66	0.41	0.53	0.17	0.12	0.09	1.35	0.11	0.40	0.20	0.50
	FR0012F	0.60	1.29	1.12	0.10	0.29	0.20	0.38	0.10	0.20	0.91	0.80	1.58
	GB0002R	3.01	4.77	4.11	1.40	1.24	0.76	0.57	0.74	1.35	1.24	0.94	2.98
	GB0006R	1.43	13.37	6.41	3.20	3.47	1.03	1.54	1.65	3.82	2.47	2.81	4.95
	GB0013R	4.13	8.67	1.52	-	-	1.78	0.40	0.96	1.66	2.49	4.26	5.55
	GB0014R	6.80	3.09	1.33	4.26	2.82	1.95	0.67	0.62	1.17	6.96	2.58	3.44
	GB0015R	1.80	7.16	10.01	2.17	0.51	0.97	0.52	0.45	5.93	1.80	1.73	2.56
I	HU0002R	1.45	-	1.36	1.90	0.93	0.96	1.05	1.07	1.55	0.80	1.27	1.23
	IE0001R	4.20	38.56	18.45	4.34	12.48	4.68	5.19	6.03	8.27	4.54	7.86	49.49
	IE0002R	9.14	5.92	4.78	1.92	1.21	1.67	0.60	1.26	1.55	1.36	2.03	4.84
	IE0003R	4.45	22.54	9.62	4.04	3.20	1.69	2.61	2.01	4.05	1.87	1.50	20.11
	IE0004R	1.58	5.17	3.06	0.95	0.85	0.72	0.33	0.89	1.43	1.39	1.19	3.45
	IT0001R	4.29	1.55	-	2.38	9.59	1.86	-	0.32	-	0.24	1.29	2.89
	IT0004R	0.22	-	-	0.22	0.71	0.52	0.33	0.34	0.33	0.31	0.37	0.11
	LT0015R	20.49	10.73	22.03	7.05	1.05	1.29	0.47	3.23	6.90	3.56	1.54	2.28
Q	LV0010R	2.70	6.80	4.60	1.40	0.70	0.80	1.70	0.80	1.70	1.10	0.40	2.00
Q	LV0016R	2.23	2.15	4.57	2.43	1.89	1.72	1.49	2.75	1.15	0.77	1.09	1.02
	NL0009R	7.87	3.34	3.64	5.27	0.86	1.21	0.79	0.96	2.77	8.82	2.70	7.33
	NO0001R	1.19	3.91	6.59	0.54	0.82	0.55	0.66	0.69	1.32	0.90	1.99	1.63
	NO0008R	2.15	9.13	14.24	5.90	1.49	0.59	0.79	0.52	3.25	2.82	0.82	0.98
	NO0015R	7.02	3.58	6.57	3.35	0.82	0.36	0.40	0.83	2.75	2.80	0.53	0.90
	NO0039R	11.03	7.77	3.30	6.51	1.58	0.42	0.39	0.25	1.16	2.82	1.10	0.86
	NO0041R	0.21	0.45	0.30	0.33	0.18	0.10	0.10	0.11	0.08	0.28	0.23	0.23
	NO0055R	0.72	1.06	3.86	1.30	0.73	-	0.20	0.28	0.33	1.41	0.81	0.41
	PL0002R	4.01	1.33	1.14	0.88	0.32	0.22	0.13	0.28	0.78	0.88	0.39	0.68
	PL0003R	0.96	2.23	2.90	2.32	0.58	0.19	0.17	0.65	1.60	1.89	0.51	0.72
	PL0004R	1.20	2.17	1.66	3.20	0.47	0.78	0.42	0.49	1.90	1.64	8.70	0.76
	PL0005R	1.35	1.86	0.75	1.17	0.42	0.29	0.18	0.35	0.85	1.34	0.34	0.36
	PT0001F	0.93	-	-	0.17	0.36	0.17	0.39	0.00	0.10	0.25	0.41	0.30
	PT0003F	6.56	7.56	-	2.18	4.39	5.37	-	1.10	-	2.92	5.29	5.74
	PT0004F	3.31	-	-	3.41	2.92	3.30	9.60	-	2.18	4.13	8.09	7.83
	RU0001R	0.82	0.66	1.30	0.92	0.57	0.63	0.52	0.56	0.55	0.74	1.23	1.41
	RU0013R	2.99	1.82	1.02	0.86	1.87	0.59	0.54	0.68	0.81	0.70	1.19	1.71
	RU0016R	9.55	8.17	1.69	2.56	4.22	6.48	1.34	1.15	1.77	6.44	22.74	24.89
	SE0002F	3.57	4.99	6.42	3.67	0.67	0.43	0.56	1.29	3.93	7.62	1.13	1.72
	SE0005F	1.85	0.41	0.63	0.30	0.11	0.01	0.01	0.02	0.20	0.16	0.01	0.05
	SE0011F	0.82	2.66	1.25	2.88	0.42	0.61	0.49	0.30	9.65	2.02	1.11	1.98
	SE0012F	0.42	1.18	4.08	0.28	0.34	0.12	0.18	0.14	0.72	0.86	0.88	0.51
	SK0002R	0.25	0.93	0.80	0.97	0.36	0.33	0.25	0.27	0.39	0.50	0.47	0.38
	SK0004R	0.30	0.58	0.49	0.46	0.54	0.34	0.51	1.14	0.38	0.40	0.36	0.66
	SK0005R	0.50	0.63	0.95	1.09	0.35	0.40	0.23	0.50	0.58	0.50	0.32	0.75
	SK0006R	0.30	0.74	0.96	1.16	0.38	0.53	0.89	0.41	0.58	0.63	0.37	0.20
	TR0001R	-	1.21	0.48	0.35	2.69	0.20	0.93	0.23	-	0.38	0.59	0.41
I	YU0005R	1.57	1.71	1.94	0.97	0.84	1.43	0.99	0.24	0.79	1.19	1.27	2.36
I	YU0008R	0.88	1.65	0.99	0.45	0.70	1.42	1.09	0.57	0.63	0.94	0.68	0.56

Table 3.18: Chloride in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	98	99	100	100	100	100	100	100	100	95	100	100
AT0004R	96	99	99	86	74	86	55	5	100	100	65	74
AT0005R	100	100	100	100	100	100	100	90	89	100	82	56
CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
CS0001R	0	0	0	51	100	76	99	100	100	99	88	100
CS0003R	91	96	97	99	96	97	99	100	99	98	93	97
DE0001R	0	98	99	95	98	98	99	96	94	98	98	99
DE0002R	82	98	97	96	99	98	98	99	94	98	99	98
DE0003R	99	99	99	99	99	99	99	72	99	99	99	99
DE0004R	96	99	99	95	99	99	99	100	99	100	100	99
DE0005R	100	93	99	99	98	99	76	100	98	99	98	99
DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
DE0008R	85	99	99	98	97	98	99	98	95	99	94	98
DE0009R	0	98	99	100	99	99	98	99	98	98	98	97
DK0003R	94	99	99	99	99	99	99	100	99	99	99	99
DK0005R	82	99	99	99	99	100	0	0	81	99	99	98
DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
EE0009R	100	98	92	99	92	100	98	100	100	98	77	60
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100
ES0001R	100	0	100	97	100	100	94	92	98	98	100	100
ES0003R	100	100	100	100	100	100	99	100	100	100	100	100
ES0004R	100	100	100	100	100	100	100	100	100	100	100	100
ES0005R	100	100	100	100	100	100	100	95	100	100	100	100
ES0006R	100	100	100	55	93	100	100	25	100	95	100	100
ES0007R	100	100	100	96	100	100	100	96	100	100	100	100
FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
FI0022F	98	98	98	97	98	99	97	99	99	97	97	94
FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
FR0008F	78	97	96	100	99	100	99	94	99	97	100	99
FR0009F	65	96	89	92	88	99	87	96	100	86	97	88
FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
FR0012F	74	100	34	98	80	72	97	84	100	100	99	74
GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
GB0006R	100	100	100	100	100	100	100	96	100	99	99	97
GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
GB0014R	99	100	99	100	95	98	100	91	76	87	99	96
GB0015R	98	100	100	100	72	100	100	100	100	83	98	99
I HU0002R	100	100	100	100	100	100	96	92	100	100	100	100
IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
IE0002R	44	98	86	86	100	95	100	100	100	100	100	100
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100
IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100
Q LV0010R	100	100	100	100	100	100	100	100	100	100	100	100
Q LV0016R	92	96	98	97	99	100	98	96	98	98	13	96
NL0009R	96	98	95	92	99	99	97	96	96	98	77	95
NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
NO0008R	99	99	99	100	93	98	98	99	99	99	99	99
NO0015R	44	62	65	59	33	86	81	98	99	99	61	65
NO0039R	99	100	99	99	99	93	95	97	99	99	97	99
NO0041R	95	100	100	100	99	93	100	99	100	99	82	94
NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
PL0002R	88	95	99	99	99	98	100	100	100	98	99	93
PL0003R	99	98	98	99	96	99	99	99	99	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	98	99	99	98	100	100	99	100	95	100	99	47
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	68	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100

Table 3.18 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
RU0013R	100	100	100	100	100	100	100	100	100	100	100	100
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	87	82	89	94	97	93	93	90	90	95
SK0004R	73	88	88	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	86	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	96	100	100	100	100	100	98	100
I YU0005R	90	100	99	100	100	97	98	99	98	100	95	100
I YU0008R	100	100	97	95	99	96	96	85	75	98	97	97

Table 3.19: Monthly weighted averages of calcium in precipitation in 1997. (Unit: mg Ca/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	0.96	0.91	1.24	2.02	1.33	1.25	-	1.81	1.75	1.20	1.41	2.55
AT0004R	0.10	0.18	0.49	0.35	0.43	0.33	0.14	0.11	0.12	0.19	0.08	0.09
AT0005R	1.92	-	1.50	0.88	1.01	0.56	0.61	0.26	0.29	1.14	0.24	0.42
CH0002F	0.06	0.19	0.38	0.20	0.48	0.17	0.29	0.24	0.34	0.15	0.29	0.19
CH0003F	0.07	0.10	0.49	0.26	0.62	0.18	0.08	0.19	0.16	0.14	0.29	0.13
CH0004F	0.18	0.15	0.55	0.27	0.25	0.12	0.16	0.60	0.15	0.10	0.16	0.06
CH0005F	0.02	0.07	0.46	0.15	0.15	0.18	0.10	0.17	0.12	0.17	0.21	0.11
CS0001R	-	-	-	0.55	0.17	0.44	0.24	0.36	0.53	0.27	0.14	0.13
CS0003R	0.29	0.33	0.17	0.39	0.44	0.30	0.14	0.22	0.42	0.20	0.08	0.08
DE0001R	-	0.76	0.79	0.87	0.37	0.37	0.35	0.60	0.98	0.88	0.41	0.42
DE0002R	1.55	0.37	0.68	0.39	0.49	0.65	0.27	0.40	0.40	0.48	0.30	0.55
DE0003R	0.89	0.25	0.48	0.36	0.29	0.15	0.32	0.49	0.36	0.21	0.27	0.17
DE0004R	0.63	0.27	0.55	0.56	0.31	0.23	0.39	0.29	0.31	0.19	0.25	0.18
DE0005R	0.10	0.27	0.62	0.45	0.36	0.25	0.27	0.21	0.31	0.28	0.11	0.16
DE0007R	0.60	0.34	0.46	0.49	0.31	0.62	0.31	0.12	0.75	0.48	0.39	0.30
DE0008R	0.62	0.12	0.21	0.20	0.20	0.16	0.17	0.24	0.33	0.14	0.12	0.08
DE0009R	-	0.85	0.65	0.81	0.63	1.22	0.95	0.32	0.72	0.66	0.55	0.31
DK0003R	0.35	0.07	0.05	0.05	0.13	0.08	0.03	0.20	0.26	0.11	0.13	0.20
DK0005R	1.85	0.35	0.43	0.59	0.39	-	-	-	1.42	0.20	0.15	0.12
DK0008R	1.30	0.30	0.35	0.64	0.23	0.22	0.18	0.41	1.21	0.62	0.18	0.08
EE0009R	0.10	0.60	0.45	0.36	1.28	0.98	1.01	0.75	0.99	0.57	1.86	2.69
EE0011R	1.50	-	1.90	0.30	1.01	1.33	0.80	1.00	0.23	0.09	0.17	0.70
I ES0001R	0.22	-	-	0.54	0.93	0.34	2.27	2.43	1.22	0.54	0.22	0.26
I ES0003R	0.69	-	-	4.71	5.38	3.51	2.86	3.18	3.18	4.38	3.18	1.63
I ES0004R	0.99	-	-	1.38	1.80	0.54	0.99	1.05	0.51	1.36	0.39	0.35
I ES0005R	0.24	0.46	-	0.71	0.33	0.27	-	0.58	5.22	0.34	0.30	0.39
I ES0006R	8.15	4.60	-	27.23	26.40	25.80	-	-	-	2.95	2.19	-
I ES0007R	0.79	-	8.57	1.82	3.07	1.26	-	4.87	1.62	1.58	0.70	0.53
FI0004F	0.07	0.05	0.10	0.05	0.20	0.08	0.06	0.06	0.05	0.03	0.05	0.03
FI0009F	0.23	0.21	2.21	0.09	0.39	0.12	0.18	0.10	0.11	0.13	0.33	0.37
FI0017F	0.16	0.73	0.64	0.11	1.19	0.18	0.10	0.23	0.14	0.10	0.33	0.20
FI0022F	0.02	0.02	0.06	0.03	0.06	0.02	0.04	0.03	0.07	0.02	0.01	0.01
FR0003F	0.26	0.30	6.98	-	0.20	0.22	0.31	0.26	0.47	0.35	0.11	0.06
FR0005F	0.50	0.64	0.93	0.50	0.32	0.44	0.27	0.18	0.32	0.27	0.23	0.25
FR0008F	4.47	0.16	0.26	0.17	0.09	0.09	0.11	0.14	0.27	0.07	0.03	0.01
FR0009F	4.47	0.33	0.38	0.30	0.36	0.17	0.33	0.23	0.27	0.09	0.07	0.07
FR0010F	0.83	0.50	0.33	0.14	0.19	0.12	0.20	0.27	0.22	0.10	0.08	0.07
FR0011F	0.70	0.73	1.32	0.45	0.38	0.41	0.18	0.28	0.25	0.55	0.08	0.03
FR0012F	6.08	1.39	1.72	0.17	0.87	0.41	0.39	0.43	0.57	0.46	0.11	0.11
GB0002R	0.11	0.17	0.32	0.18	0.12	0.10	0.12	0.19	0.18	0.16	0.07	0.18
GB0006R	0.78	0.53	0.36	0.32	0.38	0.44	0.47	0.50	0.43	0.36	0.33	0.35
GB0013R	0.19	0.30	0.29	-	-	0.41	0.20	0.20	0.28	0.24	0.27	0.35
GB0014R	0.38	0.22	0.40	0.59	0.27	0.14	0.39	0.29	0.39	0.31	0.16	0.16
GB0015R	0.17	0.22	0.27	0.16	0.26	0.12	0.29	0.16	0.29	0.19	0.23	0.25

Table 3.19 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
I HU0002R	2.17	-	1.53	2.45	0.69	0.35	0.66	1.00	1.05	0.91	0.98	1.08
IE0001R	0.21	0.82	0.67	0.62	0.43	0.15	0.15	0.16	0.26	0.14	0.18	1.54
IE0002R	0.99	0.41	0.60	1.30	0.32	0.25	0.41	0.17	0.23	0.18	0.20	0.17
IE0003R	0.37	0.54	0.45	0.36	0.31	0.20	0.31	0.14	0.16	0.12	0.46	0.51
IE0004R	0.15	0.17	0.37	0.14	0.13	0.11	0.09	0.24	0.21	0.20	0.14	0.18
I IT0001R	0.65	1.13	-	6.17	4.51	3.34	-	0.78	-	1.11	0.69	0.87
IT0004R	0.08	-	-	0.20	0.68	0.32	0.42	0.38	0.45	0.35	0.19	0.13
LT0015R	2.00	0.44	0.65	0.82	0.23	0.35	0.47	0.80	0.73	0.46	0.54	0.70
LV0010R	0.38	0.28	0.43	0.32	0.40	0.39	0.40	0.70	0.38	0.43	0.38	0.25
LV0016R	1.56	0.88	2.25	1.34	0.87	0.91	-	2.56	1.57	0.88	1.01	1.33
NL0009R	-	0.54	0.61	0.64	0.28	0.24	0.24	0.19	0.29	0.41	0.42	0.39
NO0001R	0.10	0.10	0.19	0.05	0.06	0.13	0.13	0.12	0.07	0.10	0.09	0.06
NO0008R	0.12	0.27	0.37	0.32	0.13	0.35	0.24	0.14	0.12	0.14	0.05	0.14
NO0015R	0.21	0.14	0.20	0.18	0.11	0.33	0.17	0.09	0.10	0.13	0.07	0.10
NO0039R	0.27	0.25	0.13	0.17	0.04	0.21	0.12	0.08	0.05	0.07	0.10	0.06
NO0041R	0.09	0.09	0.21	0.20	0.02	0.20	0.14	0.18	0.02	0.13	0.16	0.03
NO0055R	0.32	0.14	0.23	0.31	0.06	-	0.14	0.05	0.06	0.07	0.10	0.08
PL0002R	1.40	0.39	0.32	0.57	0.33	0.20	0.13	0.38	0.32	0.25	0.22	0.15
PL0003R	0.48	0.45	0.53	0.41	0.41	0.32	0.35	0.85	0.80	0.54	0.21	0.26
PL0004R	0.98	0.17	0.31	0.45	0.25	0.24	0.39	0.65	0.17	0.07	0.43	0.08
PL0005R	0.43	0.19	0.14	0.29	0.47	0.28	0.34	0.58	0.29	0.17	0.16	0.07
PT0001F	1.02	-	-	0.54	0.52	0.29	2.49	0.20	0.50	0.18	0.06	0.12
PT0003F	0.48	0.78	-	1.89	0.50	0.96	-	1.00	-	0.25	0.21	0.24
PT0004F	0.20	-	-	0.46	0.48	0.20	3.30	-	2.56	0.14	0.23	0.23
Q RU0001R	0.17	0.18	0.18	0.15	0.13	0.12	0.14	0.18	0.12	0.23	0.16	0.32
Q RU0013R	0.44	0.46	0.35	0.39	0.51	0.21	0.30	0.31	0.37	0.32	0.32	0.19
Q RU0016R	0.85	1.94	0.53	1.45	0.74	1.07	0.55	0.30	0.48	1.36	5.17	0.67
SE0002F	0.53	0.25	0.38	0.24	0.14	0.17	0.16	0.74	0.35	0.33	0.23	0.12
SE0005F	0.15	0.04	0.11	0.07	0.14	0.06	0.08	0.01	0.08	0.13	0.09	0.16
SE0011F	0.18	0.17	0.16	0.37	0.15	0.37	0.19	0.32	0.45	0.14	0.20	0.15
SE0012F	0.43	0.13	0.56	0.13	0.21	0.16	0.32	0.16	0.18	0.28	0.32	0.14
SK0002R	0.24	0.44	0.74	0.67	0.71	0.67	0.23	0.18	0.32	0.33	0.34	0.22
SK0004R	0.18	0.30	0.61	0.67	0.76	0.76	0.21	0.26	0.36	0.50	0.44	0.47
SK0005R	0.36	0.39	0.83	0.77	0.60	0.43	0.14	0.28	0.40	0.30	0.71	0.79
SK0006R	0.56	0.40	0.73	0.84	0.46	0.65	1.92	0.18	0.62	0.45	0.39	0.29
TR0001R	-	1.62	2.60	1.31	2.20	0.68	2.04	0.98	-	1.38	1.72	0.90
Q YU0005R	3.97	2.42	1.69	2.86	2.50	2.19	-	-	-	-	-	-
Q YU0008R	0.53	1.48	0.81	1.94	1.14	2.25	-	-	-	-	-	-

Table 3.20: Calcium in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	92	99	100	98	100	100	100	100	100	95	99	100
AT0004R	63	91	99	100	100	99	100	100	98	99	99	98
AT0005R	100	100	100	100	100	100	98	96	100	100	98	99
CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
CS0001R	0	0	0	51	100	76	99	90	100	95	88	71
CS0003R	92	96	98	99	96	97	99	100	100	98	93	97
DE0001R	0	98	99	95	98	98	99	95	94	97	98	99
DE0002R	78	98	96	96	99	82	98	99	95	97	98	98
DE0003R	99	99	99	99	99	99	99	97	99	99	99	99
DE0004R	96	99	99	95	99	99	99	100	99	100	100	98
DE0005R	100	93	99	99	96	99	76	100	98	99	98	99
DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
DE0008R	85	99	98	98	97	98	99	98	93	99	94	98
DE0009R	0	97	99	96	99	99	98	99	97	98	98	97
DK0003R	94	98	98	97	96	98	99	100	99	98	96	96
DK0005R	53	97	97	96	98	0	0	0	85	97	98	97
DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
EE0009R	100	94	89	99	92	63	87	100	100	98	71	60
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100

Table 3.20 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
I ES0001R	100	0	100	97	100	100	20	92	93	95	98	94
I ES0003R	100	100	100	100	100	97	97	100	98	100	93	97
I ES0004R	100	100	100	100	100	100	100	100	96	81	100	100
I ES0005R	100	100	100	99	100	100	100	94	100	100	99	98
I ES0006R	100	100	100	55	93	69	0	0	0	94	91	100
I ES0007R	95	100	100	96	100	100	100	96	99	93	99	99
FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
FI0022F	98	98	98	97	98	99	97	99	99	97	97	93
FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
FR0008F	59	97	96	100	99	100	99	94	99	97	100	99
FR0009F	65	96	89	90	88	99	87	96	100	86	97	88
FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
FR0012F	74	100	34	98	79	72	97	84	100	100	99	74
GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
GB0006R	100	100	100	100	100	100	100	96	100	99	99	99
GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
GB0014R	99	100	99	100	100	100	100	100	98	99	99	98
GB0015R	98	100	100	100	88	100	100	100	100	83	98	99
I HU0002R	100	100	100	100	100	98	96	92	100	100	94	97
IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
IE0002R	81	97	100	87	95	96	98	100	100	100	100	100
IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
IE0004R	100	100	100	100	100	100	100	100	100	100	100	100
I IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	65	100	100	100	100	100	100	100
LV0010R	96	94	85	96	99	98	86	26	99	99	94	93
LV0016R	84	91	73	70	99	97	0	88	90	98	93	71
NL0009R	0	97	86	92	93	97	97	96	94	95	65	88
NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
NO0008R	99	99	99	100	93	98	98	98	96	99	99	99
NO0015R	44	62	65	59	33	86	81	98	99	94	61	65
NO0039R	99	100	99	99	88	93	95	95	99	99	97	99
NO0041R	95	100	100	100	99	93	100	99	100	96	82	94
NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
PL0002R	84	96	99	78	99	98	99	100	98	98	99	93
PL0003R	91	98	95	98	96	99	98	99	99	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	94	95	95	93	99	99	99	99	98	99	97	45
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	100	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100
Q RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
Q RU0013R	100	100	100	100	100	100	100	100	99	100	100	100
Q RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	74	82	89	94	97	93	93	90	88	95
SK0004R	73	88	77	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	90	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	98	100	100	97	100	100	98	100
Q YU0005R	96	100	99	100	100	100	0	0	0	0	0	0
Q YU0008R	100	100	100	98	100	100	0	0	0	0	0	0

Table 3.21: Monthly weighted averages of pH in precipitation in 1997. (pH units).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	4.04	4.75	5.42	5.29	6.16	5.36	-	6.00	6.45	5.09	5.40	4.92
AT0004R	4.52	4.59	4.86	4.66	5.35	5.34	4.89	4.79	4.97	5.03	4.64	4.58
AT0005R	6.95	-	6.80	6.37	6.21	5.55	5.70	5.69	4.90	4.72	5.64	5.64
CH0002F	4.80	5.75	6.42	5.21	5.52	5.46	4.86	5.39	4.99	5.25	5.28	5.02
CH0003F	4.80	5.61	5.46	5.24	5.67	5.28	4.78	5.27	4.91	5.01	5.36	5.04
CH0004F	4.99	5.19	5.92	5.14	4.90	4.90	4.87	5.28	5.17	4.94	5.00	4.83
CH0005F	4.97	5.18	5.22	5.18	4.86	5.05	4.84	5.32	4.85	4.99	5.15	4.70
CS0001R	-	-	-	4.38	4.54	5.17	4.76	4.59	4.53	4.70	4.49	4.40
CS0003R	4.31	4.77	4.37	4.56	4.46	4.46	4.39	4.64	4.93	4.72	4.30	4.42
DE0001R	5.02	5.16	5.07	4.98	4.65	4.82	4.76	5.07	4.74	5.04	4.70	4.77
DE0002R	4.22	5.36	5.49	5.42	4.54	5.09	4.83	4.73	4.64	5.96	5.16	4.80
DE0003R	5.48	5.22	5.01	5.05	5.05	5.07	4.79	5.24	4.83	4.92	4.94	4.64
DE0004R	4.55	5.24	5.07	5.76	4.84	4.78	4.54	4.79	4.69	4.90	4.76	4.66
DE0005R	4.65	5.10	4.91	5.06	5.58	4.86	4.62	5.09	4.46	4.85	4.92	4.72
DE0007R	4.44	5.01	4.81	5.00	4.87	4.45	4.87	4.65	4.68	5.29	4.45	4.54
DE0008R	4.46	4.84	4.58	4.71	4.81	4.69	4.61	4.70	4.54	4.67	4.54	4.49
DE0009R	-	5.37	5.03	5.04	4.93	4.72	5.27	4.84	4.91	5.13	4.34	4.80
DK0003R	4.32	4.72	4.89	4.72	4.42	4.54	4.84	5.11	4.69	5.00	4.46	4.80
DK0005R	4.42	4.93	4.86	5.08	4.66	-	-	-	5.90	5.17	4.55	4.71
DK0008R	4.10	4.53	4.85	4.63	4.43	4.27	4.95	4.64	4.80	4.87	4.31	4.52
EE0009R	4.27	4.72	4.79	4.69	5.13	5.72	5.94	5.17	6.50	5.39	5.02	4.71
EE0011R	5.25	-	6.34	4.91	5.66	6.42	6.66	7.26	5.68	5.22	4.35	4.40
ES0001R	4.93	7.24	-	6.46	6.35	5.81	5.74	7.22	6.45	6.13	5.57	6.03
ES0003R	5.76	-	-	6.71	7.30	6.88	6.77	6.87	6.97	6.79	6.90	6.72
ES0004R	5.69	-	-	6.17	6.83	6.30	5.74	6.49	6.13	6.91	6.58	6.34
ES0005R	4.62	5.13	-	5.26	5.57	5.58	-	5.36	4.35	5.77	5.50	5.78
ES0006R	7.06	6.67	-	7.29	7.55	7.53	6.99	7.36	6.45	6.50	6.13	-
ES0007R	6.15	-	7.17	6.42	6.96	6.54	-	7.06	6.75	6.77	6.26	6.39
FI0004F	4.72	4.52	4.61	4.79	4.62	4.76	4.79	4.74	5.00	4.87	4.38	4.53
FI0009F	4.24	4.32	4.28	4.42	4.54	4.71	4.71	4.57	4.80	4.58	4.26	4.18
FI0017F	4.46	4.49	4.76	4.60	4.65	4.88	4.77	4.47	5.04	4.93	4.49	4.66
FI0022F	4.76	4.73	4.70	4.64	4.65	4.79	4.79	4.80	5.06	4.88	4.57	4.57
FR0003F	4.38	5.25	6.73	-	5.83	5.20	5.53	5.26	5.17	5.21	5.17	5.01
FR0005F	4.00	5.33	5.84	5.16	4.92	5.45	5.32	5.21	4.82	5.26	4.98	4.95
FR0008F	4.95	5.23	5.58	5.09	4.72	4.91	4.65	4.92	5.03	4.76	4.78	4.78
FR0009F	4.73	5.58	5.83	5.90	5.12	4.72	4.81	5.04	4.81	4.97	4.78	4.80
FR0010F	4.71	5.80	6.25	5.69	5.20	5.08	4.98	5.31	4.89	5.13	5.12	4.89
FR0011F	5.80	5.73	6.46	5.44	5.60	5.27	4.89	5.32	5.04	5.33	5.04	4.92
FR0012F	6.25	5.05	6.27	5.16	5.88	5.04	5.09	5.00	5.54	4.93	5.17	5.18
GB0002R	4.42	5.14	5.28	5.11	4.77	4.44	4.66	4.24	4.98	4.77	4.43	4.86
GB0006R	5.57	5.60	5.66	5.73	5.63	4.96	4.97	5.42	5.44	5.34	4.93	5.24
GB0013R	4.68	4.99	4.55	-	-	4.62	4.98	4.48	4.74	5.27	5.02	4.89
GB0014R	4.36	4.57	5.35	5.14	4.83	4.43	4.49	4.46	4.50	4.41	4.37	4.51
GB0015R	4.78	5.26	5.34	5.38	4.64	4.79	4.73	4.51	5.49	4.66	4.73	5.19
I HU0002R	5.63	-	6.38	6.17	6.21	6.04	6.31	5.64	5.91	6.41	5.65	6.47
Q IE0001R	4.89	5.32	4.97	6.21	5.02	4.72	4.56	4.81	4.92	4.89	5.12	5.22
IE0002R	4.38	5.54	5.98	6.11	5.12	4.71	5.34	4.81	5.09	5.39	4.93	5.06
IE0003R	5.79	5.87	5.82	5.32	4.95	4.97	5.01	5.11	5.34	5.29	6.10	5.51
IE0004R	4.92	5.88	6.23	5.49	4.95	4.78	5.35	4.88	5.34	5.41	4.86	5.63
IS0002R	5.50	6.55	5.97	6.31	6.28	6.42	5.63	5.60	5.44	5.01	5.64	5.84
I IT0001R	4.13	5.07	-	5.39	5.08	6.66	-	5.47	-	4.55	4.11	4.19
IT0004R	4.44	-	-	4.93	4.51	4.65	4.45	4.92	4.25	4.22	4.53	4.74
LT0015R	4.90	4.89	4.92	5.26	5.61	4.65	5.55	5.56	5.48	5.38	4.95	4.59
LV0010R	4.24	4.79	4.63	4.53	4.61	4.81	4.93	4.61	5.34	4.93	4.48	4.54
LV0016R	4.88	4.95	5.08	5.42	5.59	5.77	5.67	5.94	6.10	5.82	5.83	5.62
NL0009R	6.47	6.18	6.25	6.21	5.14	5.01	4.87	6.49	5.44	6.20	6.24	4.86
NO0001R	4.19	4.60	4.54	4.70	4.91	4.58	4.49	4.61	4.50	4.61	4.44	4.24
NO0008R	4.68	4.98	5.17	5.27	4.62	4.87	4.75	4.80	5.09	4.81	4.72	4.93
NO0015R	5.28	5.50	5.38	5.38	5.64	5.27	5.08	5.32	5.22	5.46	4.87	5.30
NO0039R	5.32	5.46	5.09	5.12	5.38	5.19	5.00	4.76	5.40	5.41	5.14	5.11
NO0041R	4.71	4.68	4.81	4.89	4.95	4.87	4.92	4.90	4.96	5.09	4.57	4.60
NO0055R	5.13	4.92	5.00	5.05	4.84	4.15	4.45	5.05	5.10	5.07	5.03	5.52
PL0002R	3.78	4.24	4.49	4.67	4.71	4.54	4.97	4.53	4.72	4.37	4.58	4.28
PL0003R	4.28	4.20	4.29	4.44	4.29	4.24	4.42	4.24	4.15	4.31	4.32	4.04
PL0004R	4.05	4.59	4.60	4.41	4.68	4.68	4.57	4.96	4.70	4.87	4.22	4.21
PL0005R	4.31	4.40	4.63	4.73	4.89	4.86	5.44	5.67	4.99	4.99	4.66	4.38

Table 3.21 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PT0001F	5.54	-	-	5.45	5.72	5.55	6.65	5.74	5.21	5.39	5.09	5.27
PT0003F	5.91	5.81	-	5.84	5.28	5.45	-	6.20	-	5.18	5.36	4.95
PT0004F	5.15	-	-	5.68	4.43	4.61	6.29	-	6.64	4.43	5.06	5.01
RU0001R	5.00	5.03	4.95	4.94	4.72	4.67	4.61	4.81	5.10	5.32	4.97	5.34
RU0013R	5.74	4.95	6.10	4.90	6.09	5.70	5.26	5.48	5.55	6.26	5.70	5.49
RU0016R	4.74	5.10	4.92	5.14	5.13	5.53	5.34	5.11	5.29	4.98	5.41	5.31
SE0002F	4.07	4.50	4.34	4.41	4.68	4.41	4.72	4.54	4.43	4.68	4.36	4.43
SE0005F	5.64	4.93	5.04	5.35	4.69	4.97	4.95	5.08	5.05	4.96	4.90	4.55
SE0011F	4.34	4.53	4.78	4.62	4.50	4.46	4.85	4.59	5.30	4.79	4.33	4.46
SE0012F	4.41	4.67	4.47	4.49	4.68	4.90	5.08	4.46	4.64	4.54	4.27	4.33
Q SK0002R	4.29	4.04	4.20	4.18	4.40	4.65	4.63	4.60	4.14	4.38	4.54	4.37
Q SK0004R	4.31	4.22	4.15	4.17	4.49	4.58	4.67	4.53	4.21	4.96	4.59	4.51
Q SK0005R	4.10	4.83	4.64	4.40	4.45	4.41	4.59	4.42	4.41	4.45	4.72	4.48
Q SK0006R	3.98	4.10	3.86	4.21	4.49	4.54	4.79	4.67	4.18	4.43	4.42	4.12
TR0001R	-	5.04	6.38	5.90	4.99	5.64	6.84	5.88	-	5.94	6.42	5.35
YU0005R	4.22	5.52	5.55	5.14	4.89	6.39	5.85	5.27	5.15	5.43	5.54	4.97
YU0008R	5.84	6.08	5.93	5.55	5.72	6.54	5.99	5.55	6.61	6.63	6.20	5.36

Table 3.22: pH in precipitation 1997. Data completeness (per cent analyzed).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	100	100	100	100	100	100	100	100	100	100	99	100
AT0004R	96	99	100	100	99	99	100	100	100	100	100	99
AT0005R	100	100	100	100	100	100	100	100	100	100	100	100
CH0002F	98	100	97	99	100	100	100	98	100	100	98	99
CH0003F	100	99	99	99	100	99	100	100	100	99	98	99
CH0004F	98	100	96	100	99	99	99	100	99	100	98	100
CH0005F	99	98	100	100	100	99	99	99	100	99	99	99
CS0001R	0	0	0	51	100	76	99	100	100	99	88	100
CS0003R	92	96	98	99	97	97	99	100	100	98	94	97
DE0001R	66	99	99	96	99	98	99	97	94	100	98	99
DE0002R	74	99	98	98	99	99	99	99	98	97	98	99
DE0003R	99	99	99	99	99	99	99	99	99	99	99	100
DE0004R	97	99	95	95	99	99	99	99	99	100	99	98
DE0005R	100	93	99	99	100	100	100	100	100	99	100	99
DE0007R	76	98	98	99	99	99	100	100	99	99	91	98
DE0008R	90	99	99	99	97	98	99	98	95	99	96	99
DE0009R	0	98	99	100	99	99	99	99	98	99	99	98
DK0003R	94	94	98	97	95	98	99	100	97	97	93	94
DK0005R	53	89	96	96	98	0	0	0	75	97	95	95
DK0008R	97	100	99	100	100	100	100	100	100	100	97	99
EE0009R	100	100	100	100	100	100	100	100	100	100	79	63
EE0011R	100	100	100	100	100	100	100	100	100	100	100	100
ES0001R	100	100	100	98	100	100	100	100	100	100	100	100
ES0003R	100	100	100	100	100	100	100	100	100	100	100	100
ES0004R	100	100	100	100	100	100	100	100	100	100	100	100
ES0005R	100	100	100	100	100	100	100	100	100	100	100	100
ES0006R	100	100	100	100	100	100	100	100	100	100	100	100
ES0007R	100	100	100	100	100	100	100	100	100	100	100	100
FI0004F	98	98	99	99	98	100	100	100	100	98	98	99
FI0009F	29	82	95	95	99	97	98	98	97	97	91	81
FI0017F	98	96	94	99	94	99	100	96	99	99	100	97
FI0022F	98	99	99	98	98	99	98	99	99	98	98	95
FR0003F	100	100	22	0	98	87	100	92	100	100	100	100
FR0005F	96	97	90	100	99	30	69	97	99	98	99	99
FR0008F	78	100	99	100	100	100	100	95	99	97	100	99
FR0009F	80	99	92	92	97	99	99	98	100	88	100	94
FR0010F	67	76	98	72	99	99	87	99	100	100	77	96
FR0011F	65	87	78	99	68	52	99	97	100	98	100	99
FR0012F	74	100	34	99	80	72	98	85	100	100	99	79
GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
GB0006R	100	100	100	100	100	100	100	96	100	99	99	99
GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
GB0014R	99	100	99	100	100	100	100	100	98	99	99	98
GB0015R	98	100	100	100	88	100	100	100	100	83	98	99

Table 3.22 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
I HU0002R	100	100	100	91	100	98	96	92	94	100	97	97
Q IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
IE0002R	55	99	90	77	87	91	81	98	99	100	100	100
IE0003R	100	100	100	100	100	100	99	99	100	100	100	100
IE0004R	100	100	100	99	100	100	100	100	100	100	100	100
IS0002R	100	100	100	100	100	100	100	100	100	100	100	100
I IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
LT0015R	100	100	100	100	100	100	100	100	100	100	100	100
LV0010R	100	100	100	100	100	100	100	100	100	100	100	100
LV0016R	100	100	100	100	100	100	99	100	100	99	100	100
NL0009R	96	98	98	98	99	99	98	97	99	98	90	95
NO0001R	96	99	100	100	98	98	100	99	99	99	99	100
NO0008R	100	99	99	100	93	99	98	98	96	99	99	98
NO0015R	44	64	66	60	35	92	80	98	99	99	75	72
NO0039R	97	100	100	100	88	96	99	99	100	100	99	99
NO0041R	100	100	100	100	100	93	100	100	100	97	83	100
NO0055R	89	89	94	91	98	57	96	94	98	94	75	85
PL0002R	79	96	99	99	99	98	100	100	98	98	99	93
PL0003R	92	98	95	99	96	99	99	99	100	100	99	96
PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
PL0005R	100	99	98	97	99	100	100	99	99	100	99	94
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	18	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100
RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
RU0013R	100	100	100	100	99	100	100	100	100	100	100	100
RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	100	99	99	100	100	100	99	100	100	99	100	100
SE0005F	100	100	100	100	100	100	100	100	100	100	100	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	100
Q SK0002R	90	63	87	82	89	94	97	93	93	90	90	95
Q SK0004R	73	88	88	73	83	94	97	75	99	88	81	78
Q SK0005R	95	78	52	90	95	98	87	97	92	88	91	62
Q SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	100	100	100	100	100	100	100	100
YU0005R	100	100	100	100	100	100	99	100	98	100	100	100
YU0008R	100	100	100	100	100	100	96	85	100	99	98	97

Table 3.23: Monthly weighted averages of potassium in precipitation in 1997. (Unit: mg K/l).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AT0002R	0.12	0.17	0.04	0.09	0.06	0.07	-	0.19	0.07	0.18	0.04	0.10
AT0004R	0.05	0.03	0.07	0.07	0.08	0.04	0.04	0.02	0.17	0.07	0.15	0.08
AT0005R	0.47	-	0.10	0.13	0.12	0.04	0.05	0.04	0.04	0.26	0.01	0.02
CH0002F	0.01	0.04	0.06	0.06	0.10	0.14	0.11	0.04	0.02	0.02	0.01	0.01
CH0003F	0.04	0.03	0.06	0.07	0.06	0.04	0.07	0.02	0.02	0.01	0.01	0.01
CH0004F	0.02	0.05	0.09	0.06	0.06	0.03	0.06	0.04	0.01	0.01	0.01	0.01
CH0005F	0.01	0.04	0.09	0.09	0.05	0.04	0.04	0.02	0.02	0.07	0.02	0.03
CS0001R	-	-	-	0.14	0.04	0.09	0.18	0.34	0.67	0.19	0.08	0.01
CS0003R	0.06	0.04	0.14	0.14	0.15	0.13	0.05	0.06	0.15	0.07	0.10	0.03
DE0001R	-	0.39	0.32	0.43	0.08	0.10	0.10	0.18	0.61	0.79	0.20	0.22
DE0002R	0.19	0.07	0.12	0.10	0.27	0.10	0.05	0.11	0.11	0.12	0.12	0.14
DE0003R	0.09	0.08	0.10	0.09	0.05	0.04	0.11	0.09	0.08	0.04	0.10	0.03
DE0004R	0.09	0.08	0.08	0.10	0.12	0.03	0.10	0.09	0.06	0.01	0.06	0.03
DE0005R	0.05	0.08	0.11	0.08	0.12	0.08	0.09	0.05	0.23	0.05	0.10	0.08
DE0007R	0.10	0.06	0.38	0.15	0.12	0.12	0.02	0.05	0.24	0.18	0.09	0.03
DE0008R	0.11	0.02	0.08	0.20	0.09	0.08	0.05	0.07	0.49	0.08	0.11	0.03
DE0009R	-	0.05	0.06	0.12	0.06	0.23	0.14	0.11	0.29	0.23	0.12	0.08
DK0003R	0.20	0.06	0.04	0.02	0.01	0.02	0.02	0.02	0.16	0.23	0.10	0.06
DK0005R	0.66	0.24	0.14	0.25	0.08	-	-	-	0.76	0.14	0.25	0.20
DK0008R	0.72	0.27	0.16	0.38	0.06	0.12	0.10	0.10	0.95	0.46	0.10	0.06

Table 3.23 contd.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	EE0009R	0.07	0.10	0.23	0.10	0.16	0.09	0.17	0.43	0.09	0.11	0.05	0.24
	EE0011R	0.40	-	1.10	0.14	0.17	1.76	1.45	3.39	0.29	0.12	0.10	0.10
I	ES0001R	0.04	-	-	0.12	0.20	0.06	0.35	0.32	0.27	0.05	0.07	0.06
I	ES0003R	0.09	-	-	1.10	0.34	0.26	0.20	0.13	0.46	0.29	0.23	0.06
I	ES0004R	0.18	-	-	0.38	0.25	0.05	0.07	0.39	0.55	1.02	0.09	0.05
I	ES0005R	0.15	0.32	-	0.41	0.20	0.19	-	0.37	2.80	0.14	0.18	0.16
I	ES0006R	6.63	1.89	-	11.54	11.00	6.00	-	-	-	0.92	1.30	-
I	ES0007R	0.09	-	1.09	0.26	0.25	0.06	-	0.36	0.22	0.09	0.08	0.06
	FI0004F	0.05	0.06	0.06	0.04	0.05	0.06	0.03	0.06	0.05	0.05	0.05	0.04
	FI0009F	0.19	0.17	1.80	0.08	0.08	0.05	0.11	0.05	0.07	0.24	0.31	0.21
	FI0017F	0.08	0.21	0.14	0.11	0.18	0.07	0.09	0.22	0.21	0.07	0.11	0.08
	FI0022F	0.03	0.03	0.04	0.03	0.10	0.04	0.03	0.04	0.16	0.04	0.02	0.03
Q	FR0003F	0.08	0.07	1.18	-	0.12	0.06	0.24	0.04	0.19	0.09	0.05	0.04
Q	FR0005F	0.51	0.37	0.18	0.34	0.25	0.17	0.15	0.08	0.17	0.08	0.14	0.17
Q	FR0008F	0.14	0.01	0.11	0.06	0.06	0.03	0.02	0.04	0.06	0.02	0.01	0.01
Q	FR0009F	0.35	0.05	0.14	0.11	0.08	0.01	0.05	0.03	0.04	0.01	0.03	0.03
Q	FR0010F	0.30	0.02	0.13	0.06	0.07	0.07	0.26	0.06	0.14	0.07	0.09	0.07
Q	FR0011F	0.06	0.03	0.06	0.09	0.23	0.04	0.02	0.05	0.05	0.06	0.01	0.01
Q	FR0012F	0.14	0.50	0.21	0.04	0.07	0.01	0.02	0.02	0.03	0.02	0.02	0.03
	GB0002R	0.08	0.10	0.10	0.04	0.04	0.04	0.04	0.06	0.05	0.04	0.03	0.04
	GB0006R	0.10	0.28	0.17	0.11	0.20	0.14	0.09	0.04	0.09	0.06	0.06	0.08
	GB0013R	0.12	0.13	0.09	-	-	0.09	0.03	0.04	0.11	0.07	0.10	0.12
	GB0014R	0.21	0.11	0.09	0.11	0.09	0.05	0.06	0.06	0.05	0.17	0.08	0.06
	GB0015R	0.04	0.09	0.19	0.05	0.03	0.03	0.06	0.18	0.13	0.07	0.05	0.04
I	HU0002R	0.40	-	0.59	0.63	0.12	0.03	0.13	0.17	0.16	0.06	0.12	0.14
Q	IE0001R	0.18	0.76	0.45	1.11	0.55	0.13	0.13	0.21	0.22	0.11	0.19	1.48
I	IE0002R	0.23	0.16	0.19	0.21	0.11	0.11	0.04	0.07	0.06	0.07	0.07	0.07
	IE0003R	0.05	0.21	0.10	0.04	0.04	0.03	0.06	0.02	0.04	0.03	0.11	0.21
	IE0004R	0.03	0.04	0.04	0.01	0.02	0.01	0.01	0.01	0.03	0.03	0.03	0.04
	IT0001R	0.12	0.18	-	0.31	0.83	0.28	-	4.88	-	0.12	0.08	0.18
	IT0004R	0.04	-	-	0.05	0.12	0.08	0.10	0.08	0.09	0.17	0.08	0.04
	LT0015R	0.64	0.49	0.13	0.35	0.27	0.23	0.20	0.12	0.26	0.11	0.10	0.06
	LV0010R	0.29	0.18	0.09	0.16	0.20	0.15	0.12	0.14	0.14	0.22	0.12	0.10
	LV0016R	0.80	0.54	1.29	0.61	0.14	0.15	-	0.30	0.22	0.30	0.23	0.44
	NL0009R	-	0.13	0.13	0.14	0.22	0.18	0.24	0.20	0.19	0.54	1.02	0.56
	NO0001R	0.11	0.10	0.16	0.05	0.08	0.12	0.17	0.07	0.06	0.04	0.10	0.10
	NO0008R	0.22	0.27	0.36	0.46	0.18	0.24	0.34	0.20	0.20	0.21	0.10	0.22
	NO0015R	0.22	0.13	0.20	0.13	0.09	0.24	0.29	0.14	0.12	0.12	0.10	0.11
	NO0039R	0.33	0.24	0.11	0.19	0.17	0.28	0.07	0.09	0.03	0.07	0.08	0.12
	NO0041R	0.04	0.04	0.03	0.08	0.05	0.06	0.10	0.08	0.03	0.23	0.05	0.09
	NO0055R	0.06	0.05	0.22	0.15	0.25	-	0.22	0.12	0.20	0.21	0.24	0.16
	PL0002R	0.46	0.11	0.11	0.13	0.17	0.08	0.04	0.11	0.09	0.05	0.09	0.09
	PL0003R	0.22	0.43	0.59	0.34	0.32	0.17	0.12	0.34	0.40	0.17	0.14	0.17
	PL0004R	0.25	0.07	0.08	0.13	0.05	0.09	0.10	0.18	0.07	0.04	0.21	0.06
	PL0005R	0.21	0.14	0.14	0.34	0.25	0.22	0.12	0.32	0.17	0.13	0.07	0.08
	PT0001F	0.38	-	-	0.08	0.07	0.05	0.32	0.04	0.04	0.04	0.08	0.04
	PT0003F	0.17	0.27	-	0.55	0.17	0.21	-	0.11	-	0.04	0.10	0.14
	PT0004F	0.08	-	-	0.13	0.10	0.06	0.63	-	0.04	0.04	0.14	0.15
I	RU0001R	0.21	0.15	0.25	0.27	0.18	0.28	0.17	0.18	0.36	0.28	0.47	0.58
I	RU0013R	1.00	0.67	0.42	0.33	0.63	0.41	0.47	0.39	0.38	0.20	0.63	0.45
I	RU0016R	0.59	0.71	0.30	0.45	0.29	0.53	0.93	0.36	0.24	0.43	0.79	1.50
	SE0002F	0.18	0.14	0.22	0.14	0.09	0.08	0.09	0.34	0.20	0.42	0.21	0.12
	SE0005F	0.24	0.05	0.07	0.04	0.07	0.05	0.04	0.06	0.08	0.02	0.03	0.03
	SE0011F	0.15	0.16	0.15	0.18	0.06	0.11	0.09	0.16	0.41	0.13	0.12	0.13
	SE0012F	0.06	0.06	0.18	0.07	0.10	0.04	0.06	0.10	0.09	0.07	0.09	0.11
	SK0002R	0.10	0.37	0.36	0.17	0.40	0.27	0.19	0.19	0.14	0.22	0.24	0.13
	SK0004R	0.10	0.14	0.46	0.22	0.37	0.31	0.20	0.20	0.22	0.31	0.18	0.17
	SK0005R	0.11	0.29	0.55	0.28	0.36	0.19	0.10	0.11	0.12	0.10	0.20	0.18
	SK0006R	0.17	0.24	0.39	0.38	0.20	0.24	0.21	0.02	0.14	0.24	0.18	0.09
	TR0001R	-	0.85	0.28	0.15	0.38	0.25	0.86	0.35	-	0.40	0.65	0.32
	YU0005R	0.66	0.50	0.34	0.31	0.25	0.78	-	-	-	-	-	-
	YU0008R	0.24	0.15	0.68	0.21	0.14	0.65	-	-	-	-	-	-

Table 3.24: Potassium in precipitation 1997. Data completeness (per cent analyzed).

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	AT0002R	92	99	100	98	100	100	100	100	100	95	99	100
	AT0004R	63	94	99	100	100	99	100	100	98	99	99	98
	AT0005R	100	100	100	100	100	100	98	96	100	100	98	99
	CH0002F	94	97	97	99	98	99	100	96	100	100	98	97
	CH0003F	67	99	97	99	100	99	99	100	98	99	94	99
	CH0004F	98	99	90	100	97	99	98	98	99	100	97	99
	CH0005F	97	95	93	100	98	99	99	99	99	99	97	98
	CS0001R	0	0	0	51	100	76	99	90	100	95	88	71
	CS0003R	91	96	97	99	96	97	99	100	99	98	94	97
	DE0001R	0	98	99	95	98	98	99	95	94	97	98	99
	DE0002R	78	98	96	96	99	82	98	99	95	97	98	98
	DE0003R	99	99	99	99	99	99	99	97	99	99	99	99
	DE0004R	96	99	99	95	99	99	99	100	99	100	100	98
	DE0005R	100	93	99	99	96	99	76	100	98	99	98	99
	DE0007R	76	96	96	93	99	98	100	100	97	94	90	95
	DE0008R	85	99	98	98	97	98	99	98	93	99	94	98
	DE0009R	0	97	99	96	99	99	98	99	97	98	98	97
	DK0003R	94	98	98	97	96	98	99	100	99	96	96	96
	DK0005R	53	93	97	96	98	0	0	0	85	97	98	97
	DK0008R	97	100	99	100	99	100	100	100	100	100	100	99
	EE0009R	100	94	78	99	92	100	98	100	98	100	79	63
	EE0011R	100	100	100	100	100	100	100	100	100	100	100	100
I	ES0001R	100	0	100	97	100	100	20	92	93	95	98	94
I	ES0003R	100	100	100	100	100	97	99	100	98	100	93	97
I	ES0004R	100	100	100	100	100	100	100	100	96	81	100	100
I	ES0005R	100	100	100	99	100	100	100	94	100	100	99	98
I	ES0006R	100	100	100	55	93	69	0	0	0	94	91	100
I	ES0007R	95	100	100	96	100	100	100	96	99	93	99	99
	FI0004F	97	96	99	99	96	100	100	100	99	98	97	95
	FI0009F	24	76	95	93	96	97	98	98	97	97	91	77
	FI0017F	98	95	94	99	94	98	99	96	98	99	100	93
	FI0022F	98	98	98	97	98	99	97	99	99	97	97	93
Q	FR0003F	95	86	18	0	98	86	100	91	100	96	99	71
Q	FR0005F	90	94	85	100	98	29	69	94	99	98	98	95
Q	FR0008F	78	97	96	100	99	100	99	94	99	97	100	99
Q	FR0009F	65	96	89	92	88	99	87	96	100	86	97	88
Q	FR0010F	35	75	65	72	98	99	87	99	100	98	74	94
Q	FR0011F	40	83	77	99	66	52	99	97	100	98	100	99
Q	FR0012F	74	100	34	98	80	72	97	84	100	100	99	74
	GB0002R	98	100	100	100	100	100	100	100	100	99	99	99
	GB0006R	100	100	100	100	100	100	100	96	100	99	99	99
	GB0013R	100	100	100	0	0	100	100	100	100	100	99	99
	GB0014R	99	100	99	100	100	100	100	100	98	99	99	98
	GB0015R	98	100	100	100	88	100	100	100	100	83	98	99
I	HU0002R	100	100	100	100	100	98	96	92	100	100	94	97
Q	IE0001R	90	99	93	97	98	96	98	99	98	92	99	98
I	IE0002R	81	97	100	87	95	96	98	100	100	100	100	100
	IE0003R	100	100	100	100	100	100	100	100	100	100	100	100
	IE0004R	100	100	100	100	100	100	100	100	100	100	100	100
	IT0001R	100	100	100	100	100	100	100	100	100	100	100	100
	IT0004R	100	0	0	100	100	100	100	100	100	100	100	100
	LT0015R	100	74	100	100	100	100	100	100	100	100	100	100
	LV0010R	100	98	95	100	99	100	100	90	100	100	96	97
	LV0016R	84	91	87	70	99	99	0	93	91	98	93	71
	NL0009R	0	97	86	92	93	97	97	96	94	95	65	88
	NO0001R	89	99	96	94	97	97	96	99	99	98	99	98
	NO0008R	99	99	99	100	93	98	98	98	96	99	96	97
	NO0015R	44	62	65	59	33	86	81	98	99	99	61	65
	NO0039R	97	100	99	99	99	93	95	97	99	99	97	99
	NO0041R	95	100	100	100	99	64	100	99	100	96	82	94
	NO0055R	73	68	66	74	96	0	64	89	97	69	70	75
	PL0002R	84	96	99	78	99	98	99	100	98	98	99	93
	PL0003R	91	98	95	98	96	99	98	99	99	100	99	96
	PL0004R	68	95	96	97	96	85	99	88	97	99	97	99
	PL0005R	94	95	95	93	99	99	99	99	98	99	97	45

Table 3.24 contd.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PT0001F	100	0	0	100	100	100	100	100	100	100	100	100
PT0003F	100	100	0	100	100	100	0	100	0	100	97	100
PT0004F	100	0	0	100	100	100	100	0	100	100	100	100
I RU0001R	100	100	100	100	100	100	100	100	100	100	100	100
I RU0013R	100	100	100	100	100	100	100	100	100	100	100	100
I RU0016R	100	100	100	100	100	100	100	100	100	100	100	100
SE0002F	99	99	99	100	100	100	99	100	99	99	99	99
SE0005F	100	100	100	100	100	100	99	100	100	99	99	100
SE0011F	100	100	100	100	100	100	100	100	100	100	100	100
SE0012F	100	99	99	100	100	100	100	100	100	100	100	99
SK0002R	90	63	74	82	89	94	97	93	93	90	88	95
SK0004R	73	88	77	73	83	94	97	75	99	88	81	78
SK0005R	95	78	52	90	95	98	87	97	92	88	91	62
SK0006R	77	72	62	54	73	93	89	43	50	93	95	68
TR0001R	100	100	100	100	98	100	100	97	100	100	98	100
YU0005R	96	100	99	100	100	100	0	0	0	0	0	0
YU0008R	100	100	100	98	100	100	0	0	0	0	0	0

Annex 4

Seasonal summaries of gases and aerosols

AT0002R ILLMITZ AUSTRIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	5.02	2.73	4.24	1.89	0.57	0.98	4.53	10.72	11.97	58.9	0	53	
SO4--	0.75	0.71	0.51	2.67	0.08	0.08	0.52	1.87	2.55	11.1	0	10	
SO2	11.45	10.81	7.49	2.57	1.34	1.72	6.69	34.29	42.50	71.1	0	64	

AT0002R ILLMITZ AUSTRIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.53	1.26	3.31	1.44	1.53	1.81	3.49	5.57	7.27	67.4	0	62	
SO4--	1.10	0.82	0.87	2.02	0.18	0.25	0.88	2.52	4.49	97.8	0	90	
SO2	3.17	2.08	2.64	1.83	0.86	1.04	2.53	7.30	10.98	84.8	0	78	

AT0002R ILLMITZ AUSTRIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.77	1.02	4.66	1.24	2.87	3.06	4.73	6.43	8.02	71.7	0	66	
SO4--	1.40	0.74	1.19	1.87	0.22	0.28	1.24	2.80	3.00	48.9	0	45	
SO2	1.81	0.75	1.66	1.52	0.69	0.81	1.78	3.10	4.40	76.1	0	70	

AT0002R ILLMITZ AUSTRIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.89	1.66	3.47	1.70	0.63	1.23	3.96	5.88	8.51	62.6	0	57	
SO4--	1.02	1.11	0.62	2.70	0.09	0.16	0.58	3.24	5.49	96.7	0	88	
SO2	3.09	1.65	2.73	1.63	1.19	1.21	2.64	6.09	9.48	65.9	0	60	

AT0004R ST. KOLOMAN AUSTRIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.57	1.13	1.21	2.11	0.38	0.40	0.90	3.50	4.00	28.9	0	26	
SO2	0.45	0.52	0.31	2.17	0.12	0.12	0.24	1.22	2.41	25.6	0	23	

AT0004R ST. KOLOMAN AUSTRIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.28	1.08	0.98	2.07	0.20	0.21	0.94	3.37	5.57	44.6	0	41	
SO2	0.55	0.33	0.47	1.73	0.22	0.23	0.46	1.26	1.48	31.5	0	29	

AT0004R ST. KOLOMAN AUSTRIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.84	0.34	0.78	1.47	0.35	0.41	0.72	1.42	2.16	84.8	0	78	
SO2	0.39	0.20	0.35	1.65	0.15	0.16	0.35	0.79	1.06	78.3	0	72	

AT0004R ST. KOLOMAN AUSTRIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.86	1.49	1.44	2.05	0.26	0.47	1.35	4.85	6.57	34.1	0	31	
SO2	0.55	0.46	0.43	1.96	0.13	0.15	0.34	1.41	2.07	30.8	0	28	

AT0005R VORHEGG AUSTRIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.25	1.36	0.94	1.92	0.40	0.41	0.77	3.02	7.49	34.4	0	31	
SO2	0.44	0.39	0.34	1.96	0.11	0.12	0.29	1.30	1.60	25.6	0	23	

AT0005R VORHEGG AUSTRIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.62	0.31	0.55	1.63	0.23	0.23	0.54	1.15	1.42	30.4	0	28	
SO2	0.85	0.57	0.70	1.85	0.29	0.29	0.52	1.98	2.23	23.9	0	22	

AT0005R VORHEGG AUSTRIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.29	0.12	0.27	1.51	0.11	0.12	0.26	0.47	0.65	32.6	0	30	
SO2	0.46	0.28	0.41	1.53	0.20	0.22	0.37	1.17	1.40	34.8	0	32	

AT0005R VORHEGG AUSTRIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.77	0.38	0.69	1.60	0.35	0.35	0.68	1.45	1.53	18.7	0	17	
SO2	0.58	0.35	0.49	1.95	0.18	0.18	0.50	1.11	1.18	9.9	0	9	

CH0001F JUNGFRAUJOCH SWITZERLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.07	0.09	0.05	2.16	0.01	0.02	0.04	0.17	0.62	93.3	0	84	
SO4--	0.05	0.04	0.04	1.99	0.02	0.02	0.02	0.12	0.22	97.8	30	88	
SO2	0.11	0.26	0.07	2.33	0.02	0.02	0.06	0.30	2.40	97.8	0	88	
SPM	2.7	5.0	1.2	3.0	0.5	0.5	0.5	14.0	23.4	78.9	20	71	

CH0001F JUNGFRAUJOCH SWITZERLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.08	0.06	0.06	2.17	0.01	0.02	0.06	0.21	0.29	76.1	0	70	
SO4--	0.17	0.15	0.12	2.35	0.02	0.02	0.11	0.42	0.90	93.5	6	86	
SO2	0.07	0.07	0.05	2.00	0.02	0.02	0.05	0.23	0.50	93.5	0	86	
SPM	4.4	4.0	3.0	2.5	0.5	0.5	3.4	11.9	18.6	78.3	6	72	

CH0001F JUNGFRAUJOCH SWITZERLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.09	0.07	0.08	1.62	0.00	0.03	0.08	0.15	0.62	73.9	1	68	
SO4--	0.21	0.17	0.13	2.90	0.02	0.02	0.14	0.56	0.62	97.8	13	90	
SO2	0.05	0.04	0.04	1.89	0.02	0.02	0.04	0.10	0.32	98.9	0	91	
SPM	5.2	4.1	3.5	2.6	0.5	0.5	3.4	11.6	16.8	69.6	5	64	

CH0001F JUNGFRAUJOCH SWITZERLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.15	0.24	0.09	2.29	0.03	0.04	0.08	0.67	1.19	57.1	0	52	
SO4--	0.09	0.13	0.05	2.52	0.02	0.02	0.05	0.33	0.69	98.9	31	90	
SO2	0.08	0.05	0.07	1.75	0.02	0.03	0.06	0.21	0.28	97.8	0	89	
SPM	2.2	1.9	1.6	2.1	0.5	0.5	1.4	5.6	9.0	84.6	11	77	

CH0002F PAYERNE SWITZERLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	9.27	3.95	8.33	1.64	2.22	3.62	9.10	16.45	18.76	98.9	0	89	
SO4--	1.57	1.27	1.08	2.68	0.02	0.18	1.13	4.05	6.14	97.8	1	88	
SO2	1.42	1.00	1.15	1.90	0.30	0.35	1.15	3.89	4.73	98.9	0	89	
NH3+NH4+	4.98	2.87	4.14	1.92	0.86	1.03	4.70	10.85	13.03	100.0	0	90	
HNO3+NO3	1.74	1.26	1.32	2.18	0.25	0.36	1.30	4.30	5.37	100.0	0	90	
SPM	38.3	23.9	31.4	1.9	6.8	9.1	34.2	90.7	111.8	100.0	0	90	

CH0002F PAYERNE SWITZERLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.57	1.82	4.22	1.50	1.63	2.20	4.14	8.07	9.25	97.8	0	90	
SO4--	0.79	0.40	0.68	1.83	0.11	0.20	0.71	1.51	1.86	100.0	0	92	
SO2	0.93	0.48	0.82	1.66	0.27	0.34	0.84	1.95	2.32	97.8	0	90	
NH3+NH4+	4.76	2.99	4.06	1.76	0.97	1.40	4.07	10.86	17.32	96.7	0	89	
HNO3+NO3	1.21	0.89	0.97	1.99	0.13	0.32	0.98	3.24	4.66	96.7	0	89	
SPM	21.9	14.9	17.8	1.9	3.2	5.2	18.1	60.6	69.0	100.0	0	92	

CH0002F PAYERNE SWITZERLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.27	1.02	3.10	1.39	1.18	1.58	3.13	5.03	5.72	97.8	0	90	
SO4--	0.70	0.41	0.58	1.87	0.12	0.18	0.66	1.45	1.82	98.9	0	91	
SO2	0.53	0.17	0.50	1.37	0.21	0.31	0.48	0.79	1.27	100.0	0	92	
NH3+NH4+	3.61	2.14	2.98	1.97	0.24	0.84	3.04	7.00	13.12	95.7	0	88	
HNO3+NO3	0.58	0.33	0.49	1.85	0.06	0.17	0.53	1.26	1.70	100.0	0	92	
SPM	17.6	6.9	16.1	1.6	3.6	7.2	17.2	29.2	30.8	100.0	0	92	

CH0002F PAYERNE SWITZERLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	5.91	2.28	5.47	1.51	1.44	2.26	5.50	10.23	12.15	98.9	0	90	
SO4--	0.98	0.66	0.79	1.98	0.15	0.25	0.88	2.35	3.20	100.0	0	91	
SO2	0.69	0.39	0.59	1.79	0.11	0.16	0.59	1.34	1.97	98.9	0	90	
NH3+NH4+	4.96	2.63	4.38	1.66	0.93	1.73	4.33	10.14	14.10	100.0	0	91	
HNO3+NO3	1.70	1.65	1.14	2.58	0.09	0.22	1.39	5.05	8.16	100.0	0	91	
SPM	31.3	21.7	25.6	1.9	6.4	8.1	27.2	83.7	105.1	80.2	0	73	

CH0003F TANIKON SWITZERLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	9.52	4.91	8.31	1.72	2.34	2.99	9.09	18.26	25.25	98.9	0	89	
SO2	2.08	2.00	1.48	2.19	0.30	0.45	1.27	6.56	9.51	98.9	0	89	
SPM	44.1	27.5	35.5	2.0	6.2	9.1	38.5	95.2	128.8	100.0	0	90	

CH0003F TANIKON SWITZERLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.22	1.37	4.00	1.39	1.94	2.12	4.20	6.58	8.16	97.8	0	90	
SO2	0.96	0.42	0.88	1.56	0.29	0.44	0.82	1.72	2.06	98.9	0	91	
SPM	24.1	16.7	20.0	1.8	5.8	6.9	19.6	68.5	97.2	100.0	0	92	

CH0003F TANIKON SWITZERLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.01	0.85	2.88	1.36	1.21	1.55	3.04	4.50	4.97	92.4	0	85	
SO2	0.47	0.16	0.44	1.40	0.21	0.25	0.42	0.73	0.99	93.5	0	86	
SPM	16.7	6.7	15.2	1.6	4.2	6.8	16.5	28.2	32.2	95.7	0	88	

CH0003F TANIKON SWITZERLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	5.46	2.09	5.08	1.47	1.69	2.54	4.82	9.47	10.60	98.9	0	90	
SO2	0.72	0.31	0.67	1.48	0.31	0.36	0.63	1.30	1.87	98.9	0	90	
SPM	29.4	16.5	26.0	1.6	8.9	12.4	25.1	71.8	82.5	84.6	0	77	

CH0004F CHAUMONT SWITZERLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.57	1.73	2.11	1.87	0.55	0.73	2.00	6.77	8.43	97.8	0	88	
SO2	0.87	0.87	0.56	2.62	0.07	0.11	0.62	2.96	4.31	98.9	0	89	
SPM	9.8	6.6	8.1	1.9	2.4	2.8	7.8	24.4	29.4	93.3	0	84	

CH0004F CHAUMONT SWITZERLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.39	0.80	2.26	1.40	0.98	1.25	2.36	3.81	5.27	97.8	0	90	
SO2	0.76	0.56	0.51	2.82	0.01	0.09	0.67	1.75	2.25	97.8	0	90	
SPM	17.2	11.0	14.1	1.9	2.2	3.6	14.7	37.6	57.5	100.0	0	92	

CH0004F CHAUMONT SWITZERLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.92	0.91	1.74	1.58	0.74	0.85	1.65	3.76	4.40	94.6	0	87	
SO2	0.42	0.30	0.31	2.19	0.06	0.08	0.32	0.96	1.35	96.7	0	89	
SPM	14.1	7.4	12.1	1.8	2.8	3.8	12.6	27.9	29.4	95.7	0	88	

CH0004F CHAUMONT SWITZERLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.99	1.00	2.85	1.36	1.45	1.72	2.84	4.82	6.84	97.8	0	89	
SO2	0.58	0.44	0.44	2.17	0.06	0.12	0.44	1.40	2.21	97.8	0	89	
SPM	15.2	9.8	12.3	2.0	3.2	3.9	12.5	33.9	46.9	96.7	0	88	

CH0005F RIGI SWITZERLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.88	3.07	2.81	2.29	0.42	0.79	2.33	10.02	10.76	97.8	0	88	
SO4--	0.54	0.55	0.34	2.57	0.04	0.06	0.30	1.73	2.44	97.8	0	88	
SO2	0.70	0.86	0.43	2.53	0.09	0.11	0.40	2.52	3.96	97.8	0	88	
SPM	10.5	7.4	8.6	1.9	2.4	3.8	7.6	27.1	33.9	100.0	0	90	

CH0005F RIGI SWITZERLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.12	0.77	3.03	1.28	1.52	2.01	3.03	4.37	5.50	93.5	0	86	
SO4--	0.71	0.36	0.62	1.79	0.12	0.19	0.64	1.33	1.64	95.7	0	88	
SO2	0.56	0.40	0.42	2.22	0.06	0.11	0.47	1.37	1.71	93.5	0	86	
SPM	19.5	12.5	16.1	1.9	3.5	4.8	17.2	39.6	64.9	100.0	0	92	

CH0005F RIGI SWITZERLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.61	0.51	2.56	1.22	1.53	1.80	2.55	3.34	4.20	94.6	0	87	
SO4--	0.60	0.39	0.48	2.01	0.06	0.15	0.50	1.33	1.66	98.9	0	91	
SO2	0.20	0.11	0.17	1.73	0.05	0.07	0.17	0.39	0.55	94.6	0	87	
SPM	14.0	7.7	11.8	1.8	2.4	3.8	12.1	27.3	32.9	100.0	0	92	

CH0005F RIGI SWITZERLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.17	1.48	2.90	1.51	1.31	1.68	2.77	6.78	8.03	98.9	0	90	
SO4--	0.71	0.46	0.56	2.16	0.07	0.12	0.61	1.51	2.22	98.9	0	90	
SO2	0.26	0.12	0.23	1.63	0.07	0.10	0.25	0.51	0.63	92.3	0	84	
SPM	15.0	9.1	12.5	1.9	3.3	4.0	12.5	32.2	46.9	98.9	0	90	

CS0001R SVRATOUCH CZECH REPUBLIC

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	1.29	1.18	0.98	2.05	0.25	0.36	0.86	3.54	7.65	98.9	0	89	
NH4+	1.56	1.33	1.12	2.38	0.08	0.26	1.20	4.29	6.52	98.9	0	89	
NO3-	0.70	0.69	0.47	2.51	0.09	0.10	0.45	1.80	4.00	98.9	0	89	
HNO3	1.30	0.75	1.15	1.63	0.31	0.60	1.09	2.66	4.71	98.9	0	89	
SO4--	1.54	1.15	1.23	1.95	0.40	0.41	1.12	3.43	6.67	98.9	0	89	
Q SO2	8.56	4.97	7.20	1.85	1.50	1.95	7.25	18.50	23.00	98.9	0	89	

CS0001R SVRATOUCH CZECH REPUBLIC

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	1.66	1.00	1.47	1.62	0.49	0.62	1.44	3.27	6.58	98.9	0	91	
NH4+	1.39	1.38	1.02	2.13	0.16	0.35	0.93	3.87	8.07	98.9	0	91	
NO3-	0.70	0.59	0.54	2.08	0.05	0.16	0.50	1.91	3.14	98.9	0	91	
HNO3	0.73	0.33	0.65	1.65	0.18	0.23	0.71	1.29	1.69	100.0	0	92	
SO4--	1.40	0.70	1.25	1.59	0.47	0.62	1.17	2.70	3.57	100.0	0	92	
Q SO2	3.96	2.91	3.06	2.10	0.50	1.00	3.00	9.50	15.00	100.0	0	92	

CS0001R SVRATOUCH CZECH REPUBLIC

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	3.92	3.38	2.87	2.16	0.82	0.99	2.47	10.92	14.64	100.0	0	92	
NH4+	3.33	3.41	2.15	2.57	0.16	0.50	2.10	11.16	15.68	95.7	0	88	
NO3-	0.72	0.78	0.47	2.43	0.07	0.12	0.36	2.22	5.08	95.7	0	88	
HNO3	1.12	0.47	1.03	1.52	0.33	0.52	1.04	2.01	2.91	100.0	0	92	
NO2	2.90	2.93	2.24	1.90	0.80	0.81	1.95	7.53	19.50	66.3	0	61	
SO4--	1.46	0.59	1.33	1.60	0.27	0.49	1.37	2.48	3.00	100.0	0	92	
Q SO2	2.51	1.66	2.12	1.77	0.50	1.00	2.00	4.90	12.00	100.0	0	92	

CS0001R SVRATOUCH CZECH REPUBLIC

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	1.86	0.83	1.70	1.57	0.25	0.78	1.81	2.80	6.83	100.0	0	91	
NH4+	1.72	1.20	1.31	2.24	0.08	0.31	1.48	4.11	5.12	100.0	0	91	
NO3-	0.64	0.39	0.53	1.98	0.02	0.17	0.59	1.27	2.39	100.0	0	91	
HNO3	1.67	0.76	1.51	1.60	0.49	0.60	1.59	2.89	4.31	100.0	0	91	
NO2	2.06	0.75	1.90	1.59	0.10	0.90	1.90	3.25	4.60	98.9	0	90	
SO4--	1.37	0.67	1.24	1.54	0.50	0.67	1.13	2.88	4.24	100.0	0	91	
Q SO2	3.86	2.55	3.24	1.80	1.00	1.27	3.00	8.23	15.00	100.0	0	91	

CS0003R KOSETICE CZECH REPUBLIC

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	2.01	1.24	1.78	1.57	0.82	0.99	1.64	5.09	7.30	96.7	0	87	
NH4+	1.61	1.08	1.27	2.06	0.16	0.39	1.20	3.78	4.66	96.7	0	87	
NO3-	0.61	0.27	0.55	1.64	0.10	0.20	0.57	1.08	1.49	96.7	0	87	
HNO3	1.34	1.22	1.07	1.84	0.29	0.50	0.96	3.19	7.22	96.7	0	87	
NO2	3.18	1.90	2.60	2.01	0.30	0.63	2.90	6.57	10.00	96.7	0	87	
SO4--	1.70	1.46	1.34	1.93	0.40	0.48	1.20	3.96	11.25	97.8	0	88	
Q SO2	7.94	5.17	6.00	2.28	1.50	1.50	8.00	16.35	23.50	95.6	0	86	

CS0003R KOSETICE CZECH REPUBLIC

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	1.57	0.44	1.51	1.31	0.82	0.99	1.56	2.30	3.29	98.9	0	91	
NH4+	1.40	0.91	1.15	1.90	0.16	0.39	1.20	3.38	4.74	98.9	0	91	
NO3-	0.77	0.54	0.66	1.75	0.07	0.30	0.66	1.56	4.09	98.9	0	91	
HNO3	0.86	0.28	0.81	1.40	0.31	0.49	0.82	1.36	1.53	97.8	0	90	
NO2	2.28	1.08	2.08	1.55	0.40	1.10	2.00	4.15	7.50	97.8	0	90	
SO4--	1.29	0.69	1.12	1.71	0.27	0.47	1.13	2.62	3.14	100.0	0	92	
Q SO2	3.72	2.67	2.85	2.19	0.50	0.50	3.00	10.00	11.50	100.0	0	92	

CS0003R KOSETICE CZECH REPUBLIC

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	2.06	0.62	1.98	1.33	1.07	1.23	1.97	3.08	4.61	100.0	0	92	
NH4+	1.38	0.70	1.19	1.79	0.16	0.39	1.32	2.58	3.65	100.0	0	92	
NO3-	0.42	0.17	0.39	1.50	0.07	0.20	0.41	0.74	0.90	100.0	0	92	
HNO3	0.80	0.40	0.70	1.75	0.11	0.23	0.75	1.58	2.00	98.9	0	91	
NO2	1.92	1.22	1.72	1.52	0.80	1.00	1.60	3.88	10.40	93.5	0	86	
SO4--	1.41	0.69	1.25	1.68	0.33	0.43	1.30	2.66	3.57	100.0	0	92	
Q SO2	2.27	1.25	1.93	1.80	0.50	0.50	2.00	5.00	6.00	100.0	0	92	

CS0003R KOSETICE CZECH REPUBLIC

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	2.17	0.97	1.97	1.57	0.74	1.03	1.89	4.08	4.69	97.8	0	89	
NH4+	1.52	0.95	1.27	1.83	0.31	0.47	1.28	3.15	5.12	97.8	0	89	
NO3-	0.78	0.40	0.69	1.64	0.23	0.27	0.70	1.40	2.58	97.8	0	89	
HNO3	1.29	0.49	1.21	1.45	0.47	0.64	1.16	1.99	2.96	98.9	0	90	
NO2	2.13	1.08	1.92	1.58	0.60	0.94	1.80	4.26	6.50	97.8	0	89	
SO4--	1.10	0.58	0.97	1.65	0.37	0.45	0.99	2.11	3.27	97.8	0	89	
Q SO2	3.47	2.46	2.83	1.88	0.50	1.00	2.50	7.75	13.50	98.9	0	90	

DE0001R WESTERLAND GERMANY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	5.38	4.57	4.06	2.13	0.81	1.07	3.90	12.44	23.55	100.0	0	90	
SO4--	1.25	0.83	1.03	1.91	0.20	0.25	1.10	2.89	4.50	98.9	0	89	
SO2	1.85	1.64	1.28	2.50	0.05	0.32	1.30	4.95	8.55	98.9	0	89	
SPM	28.8	13.7	25.9	1.6	10.0	12.0	25.0	49.8	77.0	91.1	0	82	

DE0001R WESTERLAND GERMANY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.06	1.34	1.76	1.72	0.72	0.81	1.74	5.12	6.84	100.0	0	92	
SO4--	0.83	0.52	0.70	1.81	0.20	0.20	0.70	2.04	2.90	100.0	0	92	
SO2	1.18	0.78	0.84	2.75	0.05	0.08	1.05	2.20	4.20	100.0	0	92	
SPM	25.7	11.1	23.5	1.5	9.0	11.0	23.0	48.0	60.0	98.9	0	91	

DE0001R WESTERLAND GERMANY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.66	0.62	1.54	1.51	0.66	0.72	1.71	2.54	3.33	97.8	0	90	
SO4--	0.80	0.49	0.67	1.79	0.20	0.20	0.70	1.70	2.60	100.0	0	92	
SO2	0.94	0.58	0.78	1.88	0.05	0.33	0.75	2.07	3.30	98.9	0	91	
SPM	28.8	12.8	26.2	1.5	10.0	12.6	25.0	55.2	66.0	100.0	0	92	

DE0001R WESTERLAND GERMANY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.75	2.29	2.02	2.21	0.66	0.70	2.04	6.91	13.08	98.9	0	90	
SO4--	0.90	0.56	0.75	1.90	0.20	0.20	0.80	1.90	3.30	100.0	0	91	
SO2	0.84	0.93	0.51	2.91	0.05	0.05	0.60	2.40	4.80	96.7	0	88	
SPM	22.2	15.2	19.0	1.7	7.0	8.2	18.5	49.5	99.0	93.4	0	85	

DE0002R LANGENBRUGGE GERMANY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.67	3.30	3.74	1.98	0.69	1.03	3.60	9.56	17.40	100.0	0	90	
SO4--	1.19	1.07	0.83	2.38	0.20	0.20	0.80	3.41	5.40	98.9	0	89	
SO2	3.75	4.79	1.62	4.02	0.05	0.15	1.50	13.79	22.25	98.9	0	89	
SPM	28.6	17.5	24.0	1.8	6.0	9.0	23.0	61.0	107.0	100.0	0	90	

DE0002R LANGENBRUGGE GERMANY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.02	1.12	1.78	1.63	0.78	0.88	1.62	4.43	5.97	97.8	0	90	
SO4--	0.62	0.71	0.44	2.12	0.20	0.20	0.40	1.64	5.50	98.9	0	91	
SO2	0.62	0.76	0.38	2.69	0.05	0.10	0.35	2.16	3.90	96.7	0	89	
SPM	26.9	23.3	21.1	2.0	6.0	8.0	20.0	64.5	167.0	97.8	0	90	

DE0002R LANGENBRUGGE GERMANY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.52	0.56	1.44	1.40	0.78	0.81	1.41	2.54	3.57	98.9	0	91	
SO4--	0.60	0.40	0.50	1.85	0.20	0.20	0.50	1.30	2.30	100.0	0	92	
SO2	0.54	0.70	0.32	2.71	0.00	0.05	0.25	2.34	3.45	100.0	2	92	
SPM	21.9	10.9	19.5	1.6	7.0	8.2	19.5	38.8	66.0	92.4	0	85	

DE0002R LANGENBRUGGE GERMANY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.94	1.56	2.57	1.70	0.69	1.07	2.65	5.72	9.54	100.0	0	91	
SO4--	0.76	0.78	0.51	2.37	0.20	0.20	0.50	2.55	3.80	100.0	0	91	
SO2	1.22	1.71	0.53	3.86	0.05	0.05	0.55	4.78	8.20	98.9	0	90	
SPM	21.6	13.9	17.6	1.9	5.0	6.0	17.0	47.6	68.0	96.7	0	88	

DE0003R SCHAUINSLAND GERMANY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.09	1.08	0.89	1.72	0.45	0.48	0.75	2.68	8.55	100.0	0	90	
SO4--	0.28	0.14	0.25	1.48	0.20	0.20	0.20	0.60	0.90	100.0	0	90	
SO2	0.19	0.47	0.08	2.72	0.05	0.05	0.05	0.95	3.55	100.0	0	90	
SPM	7.4	6.3	5.6	2.0	2.0	2.0	5.0	16.5	39.0	100.0	0	90	

DE0003R SCHAUINSLAND GERMANY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.17	0.36	1.12	1.36	0.54	0.65	1.14	1.81	2.43	100.0	0	92	
SO4--	0.49	0.31	0.41	1.78	0.20	0.20	0.40	1.00	1.80	100.0	0	92	
SO2	0.12	0.25	0.07	2.11	0.05	0.05	0.05	0.40	2.10	100.0	0	92	
SPM	18.3	11.2	15.4	1.8	3.0	5.0	15.0	41.2	65.0	96.7	0	89	

DE0003R SCHAUINSLAND GERMANY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.18	0.32	1.14	1.31	0.69	0.72	1.11	1.76	2.07	100.0	0	92	
SO4--	0.48	0.37	0.38	1.89	0.20	0.20	0.30	1.24	2.30	100.0	0	92	
SO2	0.09	0.13	0.06	1.85	0.05	0.05	0.05	0.40	1.00	100.0	0	92	
SPM	16.0	9.4	13.4	1.9	2.0	4.0	14.5	31.0	58.0	90.2	0	83	

DE0003R SCHAUINSLAND GERMANY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.17	0.49	1.09	1.43	0.57	0.66	1.02	2.22	3.30	100.0	0	91	
SO4--	0.39	0.25	0.33	1.74	0.20	0.20	0.30	0.90	1.50	100.0	0	91	
SO2	0.08	0.10	0.06	1.75	0.05	0.05	0.05	0.17	0.70	100.0	0	91	
SPM	11.9	8.1	9.3	2.2	0.5	3.0	11.0	24.6	45.0	96.7	1	88	

DE0004R DEUSELBACH GERMANY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.36	2.14	3.80	1.75	1.05	1.42	4.14	8.51	9.63	100.0	0	90	
SO4--	0.96	1.00	0.66	2.27	0.20	0.20	0.50	2.85	4.80	100.0	0	90	
SO2	4.88	6.30	2.23	4.26	0.05	0.05	2.50	20.48	34.30	100.0	0	90	
SPM	23.5	14.0	19.7	1.9	2.0	6.9	20.0	52.5	68.0	98.9	0	89	

DE0004R DEUSELBACH GERMANY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.09	1.00	1.93	1.46	0.96	1.16	1.83	3.25	7.44	100.0	0	92	
SO4--	0.69	0.44	0.58	1.83	0.20	0.20	0.60	1.64	2.40	100.0	0	92	
SO2	0.76	0.98	0.35	3.83	0.05	0.05	0.40	2.57	4.95	100.0	0	92	
SPM	25.0	14.8	21.7	1.7	5.0	9.6	21.0	61.0	84.0	98.9	0	91	

DE0004R DEUSELBACH GERMANY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.53	0.38	1.49	1.27	0.84	0.96	1.50	2.20	3.00	100.0	0	92	
SO4--	0.65	0.36	0.55	1.81	0.20	0.20	0.60	1.25	1.80	96.7	0	89	
SO2	0.38	0.38	0.22	3.09	0.05	0.05	0.25	1.20	1.55	100.0	0	92	
SPM	20.3	9.5	18.0	1.7	6.0	7.0	19.0	36.4	42.0	100.0	0	92	

DE0004R DEUSELBACH GERMANY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.68	1.20	2.43	1.56	0.96	1.22	2.36	4.69	6.51	100.0	0	91	
SO4--	0.60	0.34	0.50	1.85	0.20	0.20	0.55	1.14	1.50	100.0	0	91	
SO2	1.26	1.18	0.78	3.10	0.05	0.05	0.93	3.30	5.60	100.0	0	91	
SPM	16.2	18.9	15.2	1.7	-91.0	4.6	18.0	33.0	55.0	100.0	2	91	

DE0005R BROTJACKLRIEGEL GERMANY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.46	1.65	2.08	1.79	0.33	0.82	2.13	5.15	11.22	96.7	0	87	
SO4--	0.49	0.43	0.38	1.91	0.20	0.20	0.40	1.30	2.40	100.0	0	90	
SO2	2.12	3.22	0.66	5.71	0.05	0.05	0.85	9.10	17.95	97.8	0	88	
SPM	14.6	10.6	10.9	2.4	0.5	2.0	12.0	35.0	55.0	87.8	2	79	

DE0005R BROTJACKLRIEGEL GERMANY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.92	1.01	1.76	1.48	0.75	1.02	1.65	3.55	7.47	100.0	0	92	
SO4--	0.63	0.60	0.48	2.04	0.20	0.20	0.50	1.60	4.60	100.0	0	92	
SO2	1.03	1.70	0.34	4.81	0.05	0.05	0.35	4.84	9.05	100.0	0	92	
SPM	18.9	12.6	15.4	2.0	2.0	4.2	15.0	42.0	72.0	91.3	0	84	

DE0005R BROTJACKLRIEGEL GERMANY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.30	0.39	1.25	1.31	0.57	0.81	1.22	2.05	3.06	98.9	0	91	
SO4--	0.62	0.40	0.50	1.90	0.20	0.20	0.50	1.34	2.10	100.0	0	92	
SO2	0.40	0.52	0.19	3.44	0.05	0.05	0.15	1.49	2.65	98.9	0	91	
SPM	16.7	7.3	14.9	1.7	3.0	6.1	16.0	30.5	34.0	98.9	0	91	

DE0005R BROTJACKLRIEGEL GERMANY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.72	0.69	1.61	1.44	0.87	0.98	1.51	3.14	4.02	100.0	0	91	
SO4--	0.60	0.40	0.49	1.93	0.20	0.20	0.50	1.39	1.90	100.0	0	91	
SO2	1.12	1.17	0.55	3.86	0.05	0.05	0.68	3.47	4.70	100.0	0	91	
SPM	13.8	8.1	11.6	1.9	2.0	3.0	11.0	32.5	38.0	100.0	0	91	

DE0007R NEUGLOBSOW GERMANY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.03	2.66	3.26	1.94	0.72	1.11	3.06	9.27	13.35	100.0	0	90	
SO4--	1.12	1.00	0.76	2.49	0.20	0.20	0.70	3.00	4.60	100.0	0	90	
SO2	4.05	5.28	1.74	4.07	0.05	0.17	1.60	15.65	24.90	100.0	0	90	
SPM	27.9	17.5	23.0	1.9	5.0	8.0	24.0	61.8	86.0	97.8	0	88	

DE0007R NEUGLOBSOW GERMANY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.57	0.94	1.39	1.58	0.57	0.78	1.26	3.83	5.01	100.0	0	92	
SO4--	0.57	0.60	0.41	2.12	0.20	0.20	0.30	1.78	3.80	100.0	0	92	
SO2	1.01	1.68	0.35	4.38	0.05	0.05	0.35	4.97	9.25	100.0	0	92	
SPM	25.2	20.1	19.7	2.0	5.0	6.0	19.0	67.2	110.0	100.0	0	92	

DE0007R NEUGLOBSOW GERMANY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.12	0.31	1.08	1.34	0.36	0.67	1.08	1.72	2.01	100.0	0	92	
SO4--	0.52	0.37	0.43	1.82	0.20	0.20	0.40	1.42	1.80	100.0	0	92	
SO2	0.61	0.85	0.23	4.15	0.05	0.05	0.15	2.42	3.65	100.0	0	92	
SPM	21.1	13.4	18.2	1.7	4.0	9.0	17.0	51.2	74.0	93.5	0	86	

DE0007R NEUGLOBSOW GERMANY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.21	1.26	1.91	1.71	0.84	0.93	1.71	4.40	5.70	97.8	0	89	
SO4--	0.70	0.71	0.48	2.31	0.20	0.20	0.40	2.30	3.60	98.9	0	90	
SO2	1.33	2.00	0.40	5.32	0.05	0.05	0.35	5.98	9.75	97.8	0	89	
SPM	20.1	13.8	16.3	1.9	3.0	4.4	16.0	44.2	85.0	97.8	0	89	

DE0008R SCHMUCKE GERMANY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.78	1.73	2.31	1.84	0.63	0.81	2.37	6.26	7.71	100.0	0	90	
SO4--	0.62	0.66	0.43	2.22	0.20	0.20	0.30	2.35	3.30	100.0	0	90	
SO2	5.36	8.52	1.70	4.84	0.05	0.12	1.20	22.42	47.25	100.0	0	90	
SPM	15.4	11.3	12.2	2.0	3.0	4.0	11.0	39.5	54.0	100.0	0	90	

DE0008R SCHMUCKE GERMANY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.55	0.68	1.42	1.53	0.48	0.69	1.32	2.68	3.93	100.0	0	92	
SO4--	0.52	0.42	0.40	2.00	0.20	0.20	0.30	1.54	1.90	100.0	0	92	
SO2	0.93	1.34	0.44	3.46	0.05	0.05	0.40	3.23	8.00	100.0	0	92	
SPM	21.1	15.8	16.5	2.0	3.0	4.6	16.0	53.4	75.0	100.0	0	92	

DE0008R SCHMUCKE GERMANY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.17	0.21	1.15	1.21	0.66	0.77	1.17	1.50	1.74	100.0	0	92	
SO4--	0.58	0.37	0.48	1.84	0.20	0.20	0.50	1.20	2.10	100.0	0	92	
SO2	0.91	1.43	0.34	3.94	0.05	0.05	0.25	4.36	7.20	100.0	0	92	
SPM	19.5	9.6	16.9	1.8	5.0	5.0	20.5	34.5	43.0	98.9	0	91	

DE0008R SCHMUCKE GERMANY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.96	0.99	1.76	1.58	0.60	0.89	1.74	3.92	6.27	100.0	0	91	
SO4--	0.46	0.30	0.39	1.76	0.20	0.20	0.40	1.00	1.90	100.0	0	91	
SO2	1.31	1.86	0.62	3.48	0.05	0.05	0.65	5.37	8.85	100.0	0	91	
SPM	14.3	8.8	11.6	2.0	3.0	3.0	13.0	29.0	46.0	100.0	0	91	

DE0009R ZINGST GERMANY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.76	3.27	2.93	1.96	0.75	0.97	2.71	9.20	17.82	98.9	0	89	
SO4--	0.81	0.70	0.57	2.31	0.20	0.20	0.55	2.11	3.40	98.9	0	89	
SO2	2.50	3.12	1.37	3.04	0.15	0.22	1.23	8.54	19.60	98.9	0	89	
SPM	23.7	12.9	20.3	1.8	6.0	7.0	21.0	44.6	79.0	97.8	0	88	

DE0009R ZINGST GERMANY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.82	1.00	1.62	1.60	0.39	0.92	1.54	3.91	5.64	98.9	0	91	
SO4--	0.50	0.53	0.37	2.02	0.20	0.20	0.30	1.42	2.90	98.9	0	91	
SO2	0.69	0.69	0.46	2.48	0.05	0.10	0.45	2.04	3.60	98.9	0	91	
SPM	22.8	13.6	19.5	1.8	6.0	8.0	19.0	53.0	74.0	100.0	0	92	

DE0009R ZINGST GERMANY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.51	0.54	1.43	1.38	0.69	0.84	1.38	2.46	3.81	100.0	0	92	
SO4--	0.50	0.37	0.41	1.84	0.20	0.20	0.40	1.34	2.00	100.0	0	92	
SO2	0.52	0.51	0.37	2.36	0.05	0.10	0.35	1.42	2.70	100.0	0	92	
SPM	27.2	14.9	24.4	1.5	10.0	13.0	23.0	53.9	93.0	98.9	0	91	

DE0009R ZINGST GERMANY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.02	1.03	1.79	1.63	0.69	0.86	1.78	4.03	4.71	100.0	0	91	
SO4--	0.58	0.58	0.40	2.21	0.20	0.20	0.30	1.69	3.10	100.0	0	91	
SO2	0.99	1.48	0.54	2.70	0.10	0.15	0.45	4.40	7.50	100.0	0	91	
SPM	21.3	13.7	17.4	1.9	4.0	5.0	18.0	44.9	71.0	100.0	0	91	

DK0003R TANGE DENMARK

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.97	0.55	0.82	1.87	0.05	0.31	0.88	1.86	2.78	98.9	0	89	
SO2	1.16	1.01	0.87	2.11	0.21	0.26	0.81	3.16	6.43	98.9	0	89	
NH3+NH4+	2.77	1.44	2.40	1.75	0.44	0.80	2.49	5.47	8.00	88.9	0	80	
HNO3+NO3	1.05	0.74	0.81	2.19	0.05	0.21	0.84	2.41	4.23	98.9	0	89	

DK0003R TANGE DENMARK

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.81	0.48	0.70	1.74	0.24	0.29	0.71	1.57	2.70	94.6	0	87	
SO2	0.51	0.44	0.39	2.16	0.00	0.10	0.35	1.51	1.89	95.7	1	88	
NH3+NH4+	3.39	1.92	2.96	1.69	0.77	1.12	2.90	7.51	10.56	95.7	0	88	
HNO3+NO3	0.87	0.87	0.56	2.59	0.06	0.12	0.53	2.64	4.57	95.7	0	88	

DK0003R TANGE DENMARK

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.13	0.77	0.94	1.83	0.29	0.40	0.82	2.94	3.78	77.2	0	71	
SO2	0.35	0.35	0.23	2.69	0.02	0.05	0.22	1.03	1.66	77.2	2	71	
NH3+NH4+	3.52	1.31	3.28	1.47	1.16	1.53	3.39	5.54	7.79	77.2	0	71	
HNO3+NO3	0.66	0.45	0.53	1.95	0.13	0.20	0.51	1.37	2.26	77.2	0	71	

DK0003R TANGE DENMARK

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.77	0.55	0.58	2.25	0.02	0.19	0.58	1.82	2.42	100.0	1	91	
SO2	0.68	0.98	0.39	3.30	0.00	0.01	0.41	2.10	7.30	100.0	7	91	
NH3+NH4+	2.44	1.15	2.21	1.54	0.76	1.16	2.02	4.79	6.11	92.3	0	84	
HNO3+NO3	0.80	0.80	0.48	2.92	0.03	0.06	0.44	2.24	3.51	100.0	0	91	

DK0005R KELDSNOR DENMARK

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.11	0.68	0.93	1.90	0.04	0.40	0.88	2.53	3.54	98.9	0	89	
SO2	1.75	1.63	1.20	2.45	0.00	0.20	1.11	5.30	6.80	100.0	1	90	
NH3+NH4+	2.98	1.98	2.45	1.90	0.64	0.74	2.64	5.91	11.61	96.7	0	87	
HNO3+NO3	1.22	0.76	1.00	1.93	0.22	0.30	1.04	2.53	3.97	98.9	0	89	

DK0005R KELDSNOR DENMARK

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.96	0.58	0.82	1.76	0.25	0.34	0.78	2.04	3.18	98.9	0	91	
SO2	0.62	0.54	0.41	2.80	0.02	0.05	0.47	1.52	2.83	97.8	2	90	
NH3+NH4+	4.21	3.18	3.40	1.88	0.81	1.41	3.04	10.90	17.61	97.8	0	90	
HNO3+NO3	1.27	1.22	0.83	2.56	0.11	0.16	0.71	3.36	7.00	98.9	0	91	

DK0005R KELDSNOR DENMARK

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.46	0.78	1.29	1.65	0.44	0.54	1.33	2.97	4.45	97.8	0	90	
SO2	0.75	0.47	0.59	2.25	0.02	0.09	0.68	1.53	2.43	97.8	1	90	
NH3+NH4+	3.52	1.70	3.13	1.64	0.69	1.34	3.46	6.16	11.12	97.8	0	90	
HNO3+NO3	0.93	0.72	0.73	2.01	0.13	0.22	0.68	2.07	4.70	97.8	0	90	

DK0005R KELDSNOR DENMARK

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.92	0.68	0.69	2.19	0.14	0.17	0.71	2.17	3.29	98.9	0	90	
SO2	0.86	1.01	0.55	2.57	0.06	0.11	0.54	2.46	6.68	98.9	0	90	
NH3+NH4+	2.39	1.62	1.96	1.87	0.60	0.75	1.76	5.60	7.85	91.2	0	83	
HNO3+NO3	0.99	0.98	0.64	2.63	0.08	0.13	0.60	3.13	4.64	98.9	0	90	

DK0008R ANHOLT DENMARK

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.82	3.64	2.69	2.38	0.14	0.67	2.74	11.14	17.92	96.7	0	87	
SO4--	0.77	0.45	0.66	1.77	0.12	0.24	0.66	1.72	2.57	100.0	0	90	
SO2	1.23	1.32	0.82	2.40	0.14	0.19	0.75	4.44	7.04	100.0	0	90	
NH3+NH4+	1.34	1.07	0.94	2.47	0.10	0.17	1.02	3.41	4.69	92.2	0	83	
HNO3+NO3	0.81	0.60	0.61	2.25	0.10	0.14	0.67	1.97	2.80	91.1	0	82	

DK0008R ANHOLT DENMARK

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.71	1.42	1.32	2.01	0.36	0.43	1.27	4.86	7.73	95.7	0	88	
SO4--	0.73	0.44	0.63	1.74	0.20	0.24	0.60	1.48	2.62	88.0	0	81	
SO2	0.55	0.50	0.39	2.45	0.00	0.06	0.38	1.62	2.33	88.0	1	81	
NH3+NH4+	1.66	1.60	1.14	2.40	0.11	0.31	0.94	4.76	8.59	88.0	0	81	
HNO3+NO3	0.82	0.88	0.50	2.75	0.07	0.10	0.41	2.88	4.05	88.0	0	81	

DK0008R ANHOLT DENMARK

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.61	0.78	1.37	2.13	0.01	0.61	1.39	2.99	3.80	76.1	1	70	
SO4--	1.30	0.79	1.10	1.77	0.42	0.47	1.02	3.04	3.93	82.6	0	76	
SO2	0.77	0.47	0.62	2.06	0.06	0.11	0.68	1.61	2.39	82.6	0	76	
NH3+NH4+	1.48	1.07	1.17	2.00	0.31	0.39	1.13	3.41	5.73	82.6	0	76	
HNO3+NO3	0.77	0.50	0.64	1.85	0.18	0.21	0.66	1.55	2.95	82.6	0	76	

DK0008R ANHOLT DENMARK

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.75	1.46	1.28	2.23	0.21	0.35	1.20	4.42	6.66	97.8	0	89	
SO4--	0.80	0.50	0.64	2.02	0.14	0.20	0.61	1.69	2.07	100.0	0	91	
SO2	0.72	0.76	0.45	2.84	0.03	0.05	0.40	2.04	4.10	97.8	1	89	
NH3+NH4+	1.17	1.14	0.70	2.99	0.07	0.10	0.68	3.32	4.96	92.3	0	84	
HNO3+NO3	0.74	0.80	0.41	3.05	0.07	0.07	0.35	2.20	3.48	100.0	0	91	

EE0009R LAHEMAA ESTONIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.26	0.17	0.23	1.91	0.00	0.05	0.22	0.60	0.75	60.0	1	54	

EE0009R LAHEMAA ESTONIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.16	0.07	0.14	1.73	0.02	0.05	0.14	0.28	0.37	100.0	0	92	

EE0009R LAHEMAA ESTONIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.14	0.05	0.13	1.39	0.06	0.06	0.13	0.20	0.35	91.3	0	84	

EE0009R LAHEMAA ESTONIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.21	0.11	0.18	1.66	0.05	0.07	0.16	0.40	0.61	93.4	0	85	

EE0011R VILSANDI ESTONIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.40	1.43	0.99	2.19	0.29	0.32	0.83	5.00	6.83	58.9	0	53	
SO2	0.59	0.49	0.44	2.18	0.10	0.13	0.47	1.57	2.21	58.9	0	53	

EE0011R VILSANDI ESTONIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.85	0.55	0.71	1.83	0.20	0.25	0.68	2.01	3.13	87.0	0	80	
SO2	0.56	0.28	0.50	1.63	0.14	0.22	0.50	1.12	1.40	88.0	0	81	

EE0011R VILSANDI ESTONIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.53	0.22	0.49	1.55	0.13	0.21	0.55	0.94	1.24	60.9	0	56	
SO2	0.52	0.22	0.47	1.53	0.15	0.22	0.49	0.92	1.21	63.0	0	58	

EE0011R VILSANDI ESTONIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.52	0.40	0.40	2.11	0.07	0.10	0.38	1.33	2.05	64.8	0	59	
SO2	0.48	0.19	0.44	1.51	0.10	0.22	0.44	0.82	1.22	70.3	0	64	

ES0001R TOLEDO SPAIN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	95.6	86	86	
NH4+	0.41	0.44	0.25	2.93	0.02	0.04	0.25	1.30	2.31	96.7	0	87	
NO2	3.16	3.10	1.74	3.52	0.25	0.25	2.80	8.30	16.40	100.0	0	90	
SO4--	0.56	0.39	0.43	2.16	0.06	0.11	0.43	1.39	1.82	96.7	0	87	
SO2	0.52	0.96	0.32	2.05	0.25	0.25	0.25	2.20	7.50	100.0	49	90	
NH3+NH4+	0.03	0.03	0.03	1.32	0.03	0.03	0.03	0.03	0.33	98.9	59	89	
HNO3+NO3	0.30	0.25	0.21	2.45	0.01	0.05	0.24	0.73	1.29	92.2	1	83	
SPM	14.8	13.4	10.6	2.3	2.0	2.3	10.0	41.3	77.0	96.7	0	87	

ES0001R TOLEDO SPAIN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.3	-	-	0.0	0.0	0.0	0.0	2.0	94.6	84	87	
NH4+	0.54	0.45	0.36	3.00	0.00	0.06	0.41	1.40	2.29	94.6	1	87	
NO2	2.40	2.63	1.21	3.56	0.25	0.25	1.50	7.76	11.30	100.0	31	92	
SO4--	0.80	0.51	0.68	1.81	0.08	0.23	0.69	1.56	3.31	94.6	0	87	
SO2	0.50	0.77	0.33	2.02	0.25	0.25	0.25	2.30	4.60	100.0	79	92	
NH3+NH4+	0.03	0.03	0.03	1.29	0.03	0.03	0.03	0.03	0.25	89.1	81	82	
HNO3+NO3	0.51	0.32	0.40	2.26	0.01	0.11	0.45	1.05	1.92	98.9	0	91	
SPM	25.4	16.0	21.6	1.8	3.0	7.0	22.5	49.0	110.0	94.6	0	87	

ES0001R TOLEDO SPAIN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	96.7	89	89	
NH4+	0.49	0.42	0.25	4.63	0.00	0.00	0.38	1.30	1.81	96.7	8	89	
NO2	1.72	1.52	0.95	3.35	0.25	0.25	1.20	4.10	4.70	87.0	34	80	
SO4--	0.94	0.65	0.76	2.00	0.08	0.26	0.79	1.89	4.16	96.7	0	89	
SO2	0.44	0.58	0.31	1.87	0.25	0.25	0.25	1.78	3.10	100.0	79	92	
NH3+NH4+	0.18	0.38	0.06	3.88	0.03	0.03	0.03	0.59	3.15	97.8	60	90	
HNO3+NO3	0.37	0.38	0.24	3.12	0.01	0.01	0.34	0.60	3.03	98.9	10	91	
SPM	22.5	10.4	20.2	1.6	7.0	9.4	20.0	42.5	46.0	96.7	0	89	

ES0001R TOLEDO SPAIN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	98.9	90	90	
NH4+	0.30	0.35	0.17	3.00	0.02	0.03	0.15	1.00	1.80	98.9	0	90	
NO2	2.47	1.32	1.97	2.26	0.25	0.25	2.35	4.73	5.60	84.6	8	77	
SO4--	0.63	0.54	0.47	2.17	0.08	0.14	0.48	1.49	3.60	98.9	0	90	
SO2	0.40	0.59	0.30	1.74	0.25	0.25	0.25	1.05	4.30	76.9	63	70	
NH3+NH4+	0.14	0.27	0.05	3.53	0.03	0.03	0.03	0.50	1.57	93.4	62	85	
HNO3+NO3	0.31	0.17	0.26	1.98	0.01	0.11	0.28	0.62	0.84	98.9	2	90	
SPM	16.9	12.5	13.4	2.0	2.0	4.0	14.0	39.7	73.0	97.8	0	89	

ES0003R ROQUETAS SPAIN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.6	1.6	-	-	0.0	0.0	0.0	2.0	14.0	95.6	57	86	
NH4+	1.24	1.26	0.70	3.25	0.03	0.06	0.68	3.36	6.48	95.6	0	86	
NO2	4.27	3.23	2.82	3.03	0.25	0.25	3.60	10.10	16.30	100.0	0	90	
SO4--	1.25	1.01	0.99	1.97	0.19	0.29	0.96	3.31	5.60	95.6	0	86	
SO2	0.46	0.71	0.31	1.94	0.25	0.25	0.25	2.10	3.90	100.0	50	90	
NH3+NH4+	0.11	0.29	0.04	2.90	0.03	0.03	0.03	0.71	1.83	95.6	49	86	
HNO3+NO3	0.97	0.86	0.63	2.79	0.03	0.11	0.71	2.46	4.19	94.4	0	85	
SPM	47.0	28.7	38.1	2.0	3.0	12.0	44.0	97.0	163.0	95.6	0	86	

ES0003R ROQUETAS SPAIN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.1	0.2	-	-	0.0	0.0	0.0	1.0	1.0	83.7	72	77	
NH4+	1.10	0.89	0.79	2.37	0.08	0.15	0.82	2.77	4.31	84.8	0	78	
NO2	3.42	2.34	2.51	2.54	0.25	0.25	2.90	7.90	11.30	100.0	9	92	
SO4--	2.20	1.20	1.91	1.74	0.41	0.50	1.93	4.72	6.44	84.8	0	78	
SO2	0.53	0.76	0.34	2.12	0.25	0.25	0.25	2.52	4.20	100.0	78	92	
NH3+NH4+	0.33	0.86	0.06	5.01	0.03	0.03	0.03	1.31	6.98	98.9	68	91	
HNO3+NO3	1.05	0.93	0.72	2.55	0.06	0.13	0.80	2.80	5.13	100.0	0	92	
SPM	60.2	36.4	53.1	1.6	19.0	25.0	52.0	138.6	239.0	84.8	0	78	

ES0003R ROQUETAS SPAIN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	98.9	91	91	
NH4+	0.45	0.43	0.28	2.98	0.01	0.03	0.28	1.44	1.79	98.9	0	91	
NO2	2.69	2.32	1.57	3.36	0.25	0.25	2.00	7.12	9.00	78.3	19	72	
SO4--	1.99	0.84	1.81	1.58	0.58	0.71	1.94	3.35	4.26	98.9	0	91	
SO2	0.61	1.03	0.36	2.22	0.25	0.25	0.25	1.94	6.70	100.0	73	92	
NH3+NH4+	0.86	1.17	0.28	6.45	0.03	0.03	0.57	2.39	6.70	97.8	32	90	
HNO3+NO3	0.55	0.50	0.40	2.31	0.03	0.09	0.41	1.16	3.21	91.3	0	84	
SPM	37.9	13.6	35.5	1.5	12.0	14.6	36.5	59.5	103.0	98.9	0	91	

ES0003R ROQUETAS SPAIN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.6	4.1	-	-	0.0	0.0	0.0	1.0	35.0	79.1	64	72	
NH4+	0.53	0.47	0.35	2.95	0.01	0.05	0.40	1.50	2.16	79.1	0	72	
NO2	3.15	2.05	2.19	2.89	0.25	0.25	3.20	6.50	12.10	98.9	15	90	
SO4--	1.57	0.86	1.32	1.87	0.20	0.38	1.38	3.31	3.54	79.1	0	72	
SO2	0.52	1.66	0.29	1.89	0.25	0.25	0.25	1.41	15.60	100.0	85	91	
NH3+NH4+	0.70	0.62	0.32	5.05	0.03	0.03	0.58	1.94	2.54	90.1	22	82	
HNO3+NO3	0.38	0.36	0.26	2.38	0.01	0.11	0.22	1.16	1.62	82.4	0	75	
SPM	37.0	13.7	34.2	1.5	9.0	14.1	37.0	59.5	76.0	78.0	0	71	

ES0004R LOGRONO SPAIN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.9	1.0	-	-	0.0	0.0	1.0	2.7	5.0	96.7	40	87	
NH4+	0.98	0.88	0.64	2.80	0.03	0.08	0.69	2.34	4.88	96.7	0	87	
NO2	4.62	3.54	3.14	2.92	0.25	0.25	4.00	12.18	20.90	95.6	0	86	
SO4--	1.06	0.68	0.89	1.83	0.19	0.30	0.95	1.99	4.19	96.7	0	87	
SO2	0.46	0.80	0.30	1.90	0.25	0.25	0.25	1.80	5.60	100.0	52	90	
NH3+NH4+	0.99	1.04	0.36	6.17	0.03	0.03	0.61	3.14	3.78	93.3	12	84	
HNO3+NO3	0.16	0.31	0.09	2.67	0.01	0.02	0.06	0.38	2.42	94.4	1	85	
SPM	32.4	20.7	27.0	1.8	8.0	9.7	27.0	66.2	119.0	96.7	0	87	

ES0004R LOGRONO SPAIN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.3	0.8	-	-	0.0	0.0	0.0	2.0	4.0	88.0	71	81	
NH4+	0.90	0.77	0.64	2.39	0.02	0.17	0.62	2.48	3.94	88.0	0	81	
NO2	2.79	2.46	1.53	3.63	0.25	0.25	2.65	7.09	11.40	96.7	27	89	
SO4--	1.43	0.75	1.23	1.81	0.18	0.36	1.35	2.87	3.60	88.0	0	81	
SO2	0.59	0.81	0.37	2.26	0.25	0.25	0.25	2.64	3.40	100.0	74	92	
NH3+NH4+	1.38	1.07	0.90	3.19	0.03	0.03	1.07	3.56	4.58	90.2	5	83	
HNO3+NO3	0.10	0.20	0.05	2.99	0.01	0.01	0.03	0.31	1.68	97.8	10	90	
SPM	45.3	27.2	38.3	1.8	12.0	13.0	41.0	94.9	154.0	88.0	0	81	

ES0004R LOGRONO SPAIN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.1	0.3	-	-	0.0	0.0	0.0	0.4	2.0	98.9	86	91	
NH4+	0.49	0.46	0.32	2.80	0.00	0.05	0.32	1.59	1.94	98.9	1	91	
NO2	2.68	2.36	1.48	3.52	0.25	0.25	1.90	7.00	10.00	97.8	26	90	
SO4--	1.56	0.88	1.29	2.05	0.02	0.43	1.40	3.34	4.45	98.9	0	91	
SO2	0.42	0.64	0.30	1.82	0.25	0.25	0.25	1.62	4.50	100.0	82	92	
NH3+NH4+	2.22	1.46	1.53	3.18	0.03	0.11	1.92	4.79	6.58	96.7	4	89	
HNO3+NO3	0.06	0.09	0.04	2.32	0.01	0.01	0.03	0.14	0.66	65.2	18	60	
SPM	26.8	10.6	24.8	1.5	8.0	11.4	25.0	44.0	69.0	96.7	0	89	

ES0004R LOGRONO SPAIN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.1	-	-	0.0	0.0	0.0	0.0	1.0	92.3	83	84	
NH4+	0.57	0.74	0.31	3.21	0.03	0.04	0.32	1.78	4.20	92.3	0	84	
NO2	2.90	1.94	2.17	2.47	0.25	0.25	2.55	6.37	11.30	100.0	10	91	
SO4--	1.50	1.24	1.10	2.26	0.19	0.26	1.18	3.72	6.88	92.3	0	84	
SO2	0.46	0.72	0.31	1.93	0.25	0.25	0.25	1.73	5.00	100.0	80	91	
NH3+NH4+	2.55	1.87	1.50	4.16	0.03	0.03	2.01	5.68	7.44	98.9	7	90	
HNO3+NO3	0.20	0.21	0.14	2.33	0.01	0.03	0.12	0.71	1.00	90.1	2	82	
SPM	30.8	16.6	26.2	1.8	6.0	9.0	26.0	60.7	72.0	91.2	0	83	

ES0005R NOIA SPAIN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.5	0.8	-	-	0.0	0.0	0.0	2.0	3.0	58.9	36	53	
NH4+	0.34	0.46	0.14	4.87	0.00	0.00	0.17	1.22	2.11	57.8	5	52	
NO2	6.47	5.94	3.99	3.34	0.25	0.25	4.80	19.10	22.50	44.4	5	40	
SO4--	0.60	0.42	0.46	2.23	0.04	0.07	0.47	1.53	1.80	58.9	0	53	
SO2	0.37	0.35	0.30	1.67	0.25	0.25	0.25	1.10	2.00	44.4	35	40	
NH3+NH4+	0.06	0.09	0.03	2.27	0.03	0.03	0.03	0.29	0.36	27.8	22	25	
HNO3+NO3	0.06	0.07	0.04	2.40	0.01	0.01	0.03	0.15	0.32	53.3	5	48	
SPM	18.6	19.6	14.1	2.0	2.0	5.7	13.0	40.3	134.0	58.9	0	53	

ES0005R NOIA SPAIN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.5	0.8	-	-	0.0	0.0	0.0	2.0	4.0	93.5	53	86	
NH4+	0.88	0.74	0.51	3.54	0.02	0.05	0.79	2.37	2.64	93.5	0	86	
NO2	2.73	1.78	1.85	2.94	0.25	0.25	2.70	5.74	7.40	98.9	18	91	
SO4--	1.46	0.86	1.16	2.12	0.16	0.25	1.44	2.89	3.80	93.5	0	86	
SO2	0.99	2.02	0.44	2.83	0.25	0.25	0.25	3.44	14.80	100.0	68	92	
NH3+NH4+	0.54	0.73	0.15	6.11	0.03	0.03	0.25	2.08	3.35	89.1	39	82	
HNO3+NO3	0.05	0.06	0.03	1.91	0.01	0.01	0.03	0.07	0.48	81.5	9	75	
SPM	33.4	23.5	26.2	2.1	4.0	7.0	28.0	77.7	132.0	93.5	0	86	

ES0005R NOIA SPAIN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.2	0.4	-	-	0.0	0.0	0.0	1.0	1.0	67.4	51	62	
NH4+	0.77	0.82	0.27	6.52	0.00	0.00	0.34	2.20	2.62	67.4	6	62	
NO2	3.12	4.40	1.74	3.32	0.25	0.25	2.40	6.11	37.40	93.5	20	86	
SO4--	2.00	1.54	1.30	3.12	0.01	0.18	1.78	4.77	6.90	67.4	0	62	
SO2	0.98	2.67	0.36	2.68	0.25	0.25	0.25	3.96	17.50	93.5	73	86	
NH3+NH4+	0.42	0.59	0.14	5.23	0.03	0.03	0.22	1.48	3.23	75.0	31	69	
HNO3+NO3	0.02	0.02	0.02	1.62	0.01	0.01	0.01	0.06	0.09	68.5	43	63	
SPM	20.2	9.9	18.1	1.6	7.0	7.0	17.0	38.0	54.0	65.2	0	60	

ES0005R NOIA SPAIN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	13.2	12	12	
NH4+	0.16	0.33	0.06	3.51	0.02	0.02	0.03	0.64	1.17	13.2	0	12	
NO2	4.59	4.22	3.24	2.70	0.25	0.25	4.15	8.45	35.70	100.0	9	91	
SO4--	0.60	0.66	0.39	2.58	0.10	0.10	0.30	1.65	2.46	14.3	0	13	
SO2	0.52	1.03	0.31	2.04	0.25	0.25	0.25	2.24	5.90	96.7	80	88	
NH3+NH4+	0.78	0.92	0.28	5.87	0.03	0.03	0.52	2.54	4.47	82.4	24	75	
HNO3+NO3	0.10	0.19	0.06	2.48	0.01	0.01	0.07	0.18	1.44	59.3	4	54	
SPM	23.0	24.1	15.3	2.5	4.0	4.0	11.5	62.3	86.0	12.1	0	11	

ES0006R MAHON SPAIN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.2	-	-	0.0	0.0	0.0	0.0	1.0	23.3	20	21	
NH4+	0.49	0.49	0.30	2.88	0.06	0.06	0.23	1.50	1.60	23.3	0	21	
NO2	2.78	2.62	1.36	3.97	0.25	0.25	2.40	6.90	10.10	92.2	7	83	
SO4--	1.16	0.68	1.02	1.63	0.56	0.56	0.87	2.79	2.90	23.3	0	21	
SO2	0.68	2.19	0.32	2.11	0.25	0.25	0.25	1.15	15.60	92.2	44	83	
NH3+NH4+	0.03	0.00	0.03	1.00	0.03	0.03	0.03	0.03	0.03	43.3	14	39	
HNO3+NO3	0.89	0.56	0.76	1.74	0.22	0.26	0.71	1.35	3.06	27.8	0	25	
SPM	30.9	12.4	28.7	1.5	16.0	16.0	29.0	54.6	61.0	23.3	0	21	

ES0006R MAHON SPAIN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.2	0.7	-	-	0.0	0.0	0.0	1.0	4.0	91.3	70	84	
NH4+	0.49	0.34	0.37	2.29	0.02	0.06	0.41	1.12	1.67	91.3	0	84	
NO2	3.04	2.40	1.79	3.43	0.25	0.25	2.65	7.18	8.90	90.2	20	83	
SO4--	1.43	0.63	1.31	1.55	0.42	0.57	1.37	2.81	3.37	91.3	0	84	
SO2	0.41	0.77	0.29	1.77	0.25	0.25	0.25	0.59	4.90	92.4	80	85	
HNO3+NO3	0.80	0.73	0.45	3.84	0.01	0.03	0.78	1.90	5.09	82.6	1	76	
SPM	32.3	11.2	30.6	1.4	12.0	18.2	30.0	56.0	70.0	91.3	0	84	

ES0006R MAHON SPAIN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.1	-	-	0.0	0.0	0.0	0.0	1.0	96.7	87	89	
NH4+	0.15	0.16	0.06	4.84	0.00	0.00	0.10	0.43	0.84	96.7	17	89	
NO2	2.32	1.78	1.43	3.22	0.25	0.25	2.30	5.59	6.70	58.7	15	54	
SO4--	1.51	0.61	1.39	1.51	0.57	0.68	1.37	2.65	3.18	96.7	0	89	
SO2	0.31	0.36	0.27	1.45	0.25	0.25	0.25	0.25	3.40	98.9	87	91	
NH3+NH4+	0.87	0.56	0.72	2.08	0.03	0.31	0.73	2.31	2.92	79.3	2	73	
HNO3+NO3	0.15	0.19	0.07	3.57	0.01	0.01	0.06	0.51	0.86	83.7	19	77	
SPM	26.9	13.4	24.9	1.4	13.0	14.4	24.0	46.4	116.0	95.7	0	88	

ES0006R MAHON SPAIN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.2	-	-	0.0	0.0	0.0	0.0	1.0	97.8	85	89	
NH4+	0.21	0.27	0.13	2.37	0.02	0.05	0.11	0.73	1.39	97.8	0	89	
NO2	2.78	1.34	2.42	1.80	0.25	1.00	2.80	4.61	8.00	84.6	2	77	
SO4--	1.25	0.79	1.04	1.85	0.28	0.41	1.05	3.09	3.64	97.8	0	89	
SO2	0.52	0.67	0.36	2.06	0.25	0.25	0.25	2.02	3.70	96.7	69	88	
NH3+NH4+	0.58	0.48	0.30	4.51	0.03	0.03	0.50	1.50	1.81	45.1	10	41	
HNO3+NO3	0.17	0.60	0.07	3.07	0.01	0.01	0.11	0.23	5.23	83.5	18	76	
SPM	27.3	11.0	25.5	1.4	12.0	14.4	24.0	49.1	70.0	97.8	0	89	

ES0007R VIZNAR SPAIN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.1	-	-	0.0	0.0	0.0	0.0	1.0	95.6	85	86	
NH4+	0.30	0.34	0.14	4.26	0.00	0.01	0.14	1.05	1.44	95.6	2	86	
NO2	3.66	2.63	2.59	2.67	0.25	0.25	3.30	7.75	15.00	100.0	0	90	
SO4--	0.48	0.38	0.37	2.09	0.08	0.09	0.34	1.27	2.26	95.6	0	86	
SO2	0.50	0.70	0.33	2.07	0.25	0.25	0.25	2.25	3.50	100.0	48	90	
NH3+NH4+	0.26	0.42	0.08	4.76	0.03	0.03	0.03	1.29	1.93	98.9	31	89	
HNO3+NO3	0.05	0.10	0.03	2.17	0.01	0.01	0.02	0.11	0.89	97.8	21	88	
SPM	21.2	17.5	15.3	2.3	3.0	4.0	13.0	51.0	83.0	95.6	0	86	

ES0007R VIZNAR SPAIN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.1	0.4	-	-	0.0	0.0	0.0	1.0	2.0	87.0	74	80	
NH4+	0.56	0.41	0.41	2.49	0.03	0.06	0.49	1.39	1.97	87.0	0	80	
NO2	2.49	2.37	1.42	3.32	0.25	0.25	1.90	6.80	10.70	98.9	25	91	
SO4--	1.08	0.62	0.92	1.92	0.02	0.37	0.93	1.98	3.80	87.0	0	80	
SO2	0.66	1.13	0.37	2.33	0.25	0.25	0.25	2.85	6.50	98.9	72	91	
NH3+NH4+	0.59	0.61	0.22	5.59	0.03	0.03	0.47	1.55	2.78	96.7	32	89	
HNO3+NO3	0.07	0.11	0.05	2.34	0.01	0.01	0.04	0.19	0.77	93.5	6	86	
SPM	35.8	15.5	32.4	1.6	6.0	14.0	36.0	58.0	95.0	87.0	0	80	

ES0007R VIZNAR SPAIN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	98.9	91	91	
NH4+	0.45	0.38	0.30	2.73	0.00	0.06	0.31	1.11	1.89	98.9	1	91	
NO2	1.81	1.80	0.99	3.31	0.25	0.25	1.40	5.51	8.20	84.8	31	78	
SO4--	1.42	0.89	1.16	1.94	0.25	0.36	1.27	3.15	4.47	98.9	0	91	
SO2	0.41	0.58	0.30	1.81	0.25	0.25	0.25	1.52	3.60	100.0	83	92	
NH3+NH4+	1.72	1.33	1.37	1.97	0.21	0.38	1.51	3.64	7.97	89.1	0	82	
HNO3+NO3	0.17	0.12	0.13	2.35	0.01	0.02	0.12	0.40	0.41	48.9	1	45	
SPM	40.3	14.3	37.1	1.6	8.0	13.6	41.0	63.3	74.0	98.9	0	91	

ES0007R VIZNAR SPAIN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	0.2	0.5	-	-	0.0	0.0	0.0	1.0	2.0	84.6	66	77	
NH4+	0.41	0.84	0.21	2.86	0.02	0.05	0.15	1.02	7.10	85.7	0	78	
NO2	2.43	1.28	1.94	2.23	0.25	0.25	2.40	4.50	5.50	87.9	8	80	
SO4--	0.90	0.63	0.71	2.12	0.03	0.24	0.59	2.09	2.86	85.7	0	78	
SO2	0.41	0.72	0.29	1.77	0.25	0.25	0.25	1.03	5.70	97.8	82	89	
NH3+NH4+	1.09	0.55	0.89	2.27	0.03	0.26	1.02	2.00	2.64	70.3	2	64	
HNO3+NO3	0.25	0.16	0.21	1.79	0.04	0.08	0.20	0.64	0.90	87.9	0	80	
SPM	25.5	13.6	22.4	1.7	7.0	9.9	22.0	55.2	74.0	85.7	0	78	

FI0004F AHTARI FINLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.48	0.43	0.34	2.36	0.04	0.08	0.37	1.45	2.59	92.2	0	83	
SO2	0.50	0.56	0.26	3.47	0.01	0.01	0.26	1.72	2.25	91.1	0	82	
NH3+NH4+	0.21	0.25	0.12	3.33	0.00	0.02	0.12	0.69	1.48	100.0	0	90	
HNO3+NO3	0.13	0.11	0.10	2.00	0.03	0.03	0.10	0.36	0.61	91.1	0	82	

FI0004F AHTARI FINLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.27	-	0.27	-	0.27	-	-	-	0.27	1.1	0	1	
SO4--	0.45	0.35	0.33	2.26	0.05	0.08	0.34	1.06	1.55	97.8	0	90	
SO2	0.23	0.24	0.15	2.66	0.01	0.03	0.17	0.66	1.20	97.8	0	90	
NH3+NH4+	0.27	0.18	0.22	1.85	0.06	0.08	0.23	0.71	0.93	97.8	0	90	
HNO3+NO3	0.09	0.08	0.08	1.96	0.01	0.03	0.06	0.24	0.43	97.8	0	90	

FI0009F UTO FINLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.02	1.72	2.62	1.71	0.68	1.03	2.60	6.77	9.09	63.3	0	57	
SO4--	0.68	0.56	0.50	2.21	0.11	0.13	0.49	1.64	3.11	100.0	0	90	
SO2	0.63	0.59	0.44	2.44	0.02	0.12	0.40	1.82	3.05	100.0	0	90	
NH3+NH4+	0.41	0.42	0.22	3.47	0.00	0.02	0.23	1.20	1.79	91.1	0	82	
HNO3+NO3	0.41	0.38	0.28	2.59	0.02	0.06	0.29	1.19	1.79	100.0	0	90	

FI0009F UTO FINLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.53	0.66	1.39	1.57	0.50	0.58	1.39	2.74	3.35	97.8	0	90	
SO4--	0.58	0.40	0.44	2.34	0.00	0.13	0.44	1.38	1.85	98.9	0	91	
SO2	0.43	0.32	0.34	2.12	0.01	0.12	0.32	1.06	1.58	97.8	0	90	
NH3+NH4+	0.40	0.36	0.29	2.23	0.04	0.07	0.26	1.27	1.55	97.8	0	90	
HNO3+NO3	0.31	0.28	0.21	2.74	0.00	0.05	0.19	0.85	1.46	97.8	0	90	

FI0009F UTO FINLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.75	0.81	1.62	1.46	0.70	0.93	1.59	3.33	4.91	60.9	0	56	
SO4--	0.75	0.51	0.61	1.95	0.08	0.18	0.57	1.62	2.70	63.0	0	58	
SO2	0.52	0.30	0.45	1.71	0.10	0.19	0.48	1.03	1.92	63.0	0	58	
NH3+NH4+	0.75	0.55	0.57	2.34	0.03	0.06	0.60	1.60	2.68	48.9	0	45	
HNO3+NO3	0.38	0.21	0.32	1.92	0.05	0.10	0.37	0.64	0.97	63.0	0	58	

FI0009F UTO FINLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.79	0.59	0.61	2.12	0.06	0.16	0.59	1.65	3.53	76.9	0	70	
SO4--	0.55	0.51	0.34	2.82	0.04	0.08	0.38	1.43	2.34	100.0	0	91	
SO2	0.34	0.32	0.25	2.23	0.05	0.07	0.24	1.05	1.56	100.0	0	91	
NH3+NH4+	0.39	0.39	0.23	3.02	0.03	0.04	0.23	1.16	1.65	100.0	0	91	
HNO3+NO3	0.27	0.26	0.17	2.80	0.01	0.03	0.17	0.73	1.23	100.0	0	91	

FI0017F VIROLAHTI II FINLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.16	0.50	1.08	1.67	0.60	0.60	0.97	1.52	1.55	3.3	0	3	
SO4--	0.69	0.53	0.51	2.35	0.04	0.07	0.63	1.75	2.90	100.0	0	90	
SO2	1.24	1.00	0.90	2.33	0.09	0.16	0.86	2.97	5.09	100.0	0	90	
NH3+NH4+	0.42	0.51	0.25	2.88	0.02	0.03	0.28	1.17	3.50	98.9	0	89	
HNO3+NO3	0.30	0.26	0.23	1.98	0.06	0.09	0.20	0.82	1.61	100.0	0	90	

FI0017F VIROLAHTI II FINLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.21	0.50	1.12	1.49	0.50	0.56	1.09	2.16	2.74	97.8	0	90	
SO4--	0.77	0.52	0.60	2.20	0.08	0.13	0.65	1.53	2.40	100.0	0	92	
SO2	0.67	0.70	0.48	2.31	0.03	0.12	0.47	1.40	5.79	100.0	0	92	
NH3+NH4+	0.85	0.72	0.65	2.07	0.12	0.18	0.66	1.90	5.05	100.0	0	92	
HNO3+NO3	0.27	0.23	0.20	2.18	0.05	0.07	0.18	0.73	1.09	100.0	0	92	

FI0017F VIROLAHTI II FINLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.77	1.37	1.50	1.72	0.42	0.66	1.45	3.66	11.63	100.0	0	92	
SO4--	0.77	0.56	0.61	1.99	0.09	0.19	0.56	1.76	2.62	100.0	0	92	
SO2	0.45	0.40	0.33	2.29	0.05	0.07	0.35	1.01	2.69	100.0	0	92	
NH3+NH4+	1.62	1.41	1.30	1.90	0.30	0.36	1.34	3.02	9.24	96.7	0	89	
HNO3+NO3	0.25	0.19	0.19	2.19	0.03	0.05	0.21	0.67	0.85	100.0	0	92	

FI0017F VIROLAHTI II FINLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.24	0.79	1.03	1.84	0.17	0.41	0.91	2.87	3.79	100.0	0	91	
SO4--	0.58	0.53	0.41	2.33	0.07	0.11	0.38	1.53	3.24	100.0	0	91	
SO2	0.62	0.93	0.31	3.16	0.01	0.07	0.24	2.37	5.54	100.0	0	91	
NH3+NH4+	0.72	0.49	0.57	2.05	0.09	0.16	0.62	1.63	2.61	97.8	0	89	
HNO3+NO3	0.19	0.20	0.13	2.31	0.03	0.04	0.12	0.60	1.05	100.0	0	91	

FI0022F OULANKA FINLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.45	0.18	0.41	1.54	0.17	0.17	0.44	0.74	0.82	33.3	0	30	
SO4--	0.38	0.25	0.31	2.02	0.05	0.08	0.31	0.88	1.38	100.0	0	90	
SO2	1.22	2.14	0.36	5.60	0.01	0.01	0.43	5.10	12.61	100.0	0	90	
NH3+NH4+	0.11	0.11	0.06	3.79	0.00	0.00	0.07	0.34	0.44	92.2	0	83	
HNO3+NO3	0.06	0.04	0.05	2.00	0.01	0.01	0.05	0.16	0.21	100.0	0	90	

FI0022F OULANKA FINLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.48	0.24	0.43	1.57	0.17	0.20	0.44	0.91	1.49	100.0	0	92	
SO4--	0.59	0.43	0.43	2.49	0.03	0.09	0.48	1.33	1.97	97.8	0	90	
SO2	0.68	0.87	0.26	4.55	0.01	0.03	0.19	2.58	3.69	97.8	0	90	
NH3+NH4+	0.16	0.17	0.11	2.37	0.01	0.03	0.11	0.48	1.08	100.0	0	92	
HNO3+NO3	0.05	0.04	0.04	2.07	0.00	0.01	0.03	0.13	0.25	97.8	0	90	

FI0022F OULANKA FINLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.27	0.12	0.25	1.54	0.12	0.13	0.23	0.51	0.68	94.6	0	87	
SO4--	0.43	0.31	0.31	2.82	0.00	0.04	0.38	0.92	1.82	97.8	0	90	
SO2	0.31	0.56	0.12	3.85	0.01	0.01	0.11	1.23	4.09	97.8	0	90	
NH3+NH4+	0.20	0.19	0.14	2.80	0.00	0.03	0.16	0.50	1.13	100.0	0	92	
HNO3+NO3	0.05	0.05	0.03	2.62	0.00	0.01	0.03	0.13	0.26	97.8	0	90	

FI0022F OULANKA FINLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.25	0.20	0.18	2.57	0.00	0.02	0.19	0.72	0.85	95.6	1	87	
SO4--	0.37	0.28	0.25	2.60	0.03	0.05	0.31	0.86	1.22	100.0	0	91	
SO2	0.42	0.71	0.10	6.15	0.01	0.01	0.09	1.96	3.12	100.0	0	91	
NH3+NH4+	0.15	0.14	0.09	3.60	0.00	0.01	0.11	0.40	0.80	100.0	0	91	
HNO3+NO3	0.05	0.04	0.03	2.19	0.00	0.01	0.03	0.14	0.26	100.0	0	91	

FI0037F AHTARI II FINLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.29	0.03	0.29	1.10	0.27	0.27	0.27	0.31	0.31	2.2	0	2	
SO4--	0.40	0.06	0.40	1.15	0.36	0.36	0.36	0.44	0.44	2.2	0	2	
SO2	0.06	0.03	0.05	1.75	0.04	0.04	0.04	0.07	0.08	2.2	0	2	
NH3+NH4+	0.36	0.01	0.36	1.03	0.35	0.35	0.35	0.37	0.37	2.2	0	2	
HNO3+NO3	0.07	0.02	0.07	1.37	0.05	0.05	0.05	0.08	0.09	2.2	0	2	

FI0037F AHTARI II FINLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.39	0.16	0.36	1.51	0.13	0.17	0.37	0.66	0.94	100.0	0	92	
SO4--	0.47	0.38	0.36	2.07	0.06	0.09	0.33	1.34	1.94	90.2	0	83	
SO2	0.17	0.15	0.12	2.23	0.01	0.04	0.12	0.45	0.85	90.2	0	83	
NH3+NH4+	0.46	0.31	0.38	1.83	0.12	0.14	0.34	1.24	1.48	100.0	0	92	
HNO3+NO3	0.11	0.08	0.09	1.94	0.02	0.03	0.08	0.28	0.41	90.2	0	83	

FI0037F AHTARI II FINLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.82	0.49	0.70	1.75	0.24	0.30	0.67	1.92	2.36	100.0	0	91	
SO4--	0.38	0.37	0.25	2.48	0.05	0.06	0.25	1.06	1.83	100.0	0	91	
SO2	0.19	0.30	0.09	3.11	0.01	0.01	0.09	0.65	1.84	100.0	0	91	
NH3+NH4+	0.28	0.20	0.22	1.97	0.05	0.07	0.21	0.71	1.05	100.0	0	91	
HNO3+NO3	0.10	0.09	0.08	2.20	0.01	0.02	0.07	0.26	0.45	100.0	0	91	

FR0003F LA CROUZILLE FRANCE

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.69	0.57	0.55	1.94	0.13	0.20	0.47	1.98	2.95	80.0	0	72	
SO2	0.70	0.78	0.40	3.15	0.05	0.05	0.39	2.35	3.55	80.0	4	72	

FR0003F LA CROUZILLE FRANCE

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.72	0.41	0.57	2.42	0.01	0.11	0.65	1.51	2.11	92.4	2	85	
SO2	0.57	0.37	0.42	2.62	0.05	0.05	0.54	1.16	1.85	100.0	13	92	

FR0003F LA CROUZILLE FRANCE

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.70	0.47	0.49	2.94	0.01	0.07	0.62	1.64	2.16	93.5	3	86	
SO2	0.43	0.23	0.36	1.99	0.05	0.05	0.42	0.74	1.32	92.4	5	85	

FR0003F LA CROUZILLE FRANCE

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.63	0.47	0.48	2.17	0.07	0.12	0.47	1.44	2.32	98.9	0	90	
SO2	0.40	0.27	0.27	2.91	0.05	0.05	0.40	0.84	1.18	98.9	24	90	

FR0005F LA HAGUE FRANCE

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.03	0.84	0.77	2.21	0.10	0.22	0.71	2.91	3.71	87.8	0	79	
SO2	2.12	2.17	1.18	3.55	0.05	0.05	1.38	6.55	9.67	86.7	2	78	

FR0005F LA HAGUE FRANCE

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.52	0.48	0.34	2.79	0.01	0.10	0.33	1.36	2.39	97.8	3	90	
SO2	0.67	0.53	0.53	2.05	0.05	0.19	0.53	1.45	3.83	96.7	3	89	

FR0005F LA HAGUE FRANCE

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.79	0.84	0.47	2.87	0.01	0.11	0.42	2.87	3.68	91.3	1	84	
SO2	0.70	0.83	0.51	2.07	0.05	0.19	0.46	1.88	5.51	91.3	1	84	

FR0005F LA HAGUE FRANCE

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.55	0.55	0.40	2.08	0.13	0.16	0.34	1.52	3.15	98.9	0	90	
SO2	0.85	0.67	0.59	2.72	0.05	0.05	0.58	1.96	3.61	98.9	9	90	

FR0008F DONON FRANCE

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.69	0.85	0.43	2.49	0.07	0.13	0.34	2.82	4.22	93.3	0	84	
SO2	5.97	28.74	1.16	3.77	0.23	0.28	0.85	16.46	250.92	85.6	0	77	

FR0008F DONON FRANCE

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.75	0.48	0.62	2.06	0.01	0.25	0.62	1.51	3.31	100.0	1	92	
SO2	0.86	0.66	0.63	2.42	0.05	0.05	0.69	1.99	3.57	100.0	5	92	

FR0008F DONON FRANCE

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.79	0.54	0.57	2.66	0.01	0.12	0.65	1.83	2.07	98.9	2	91	
SO2	0.71	0.45	0.60	1.81	0.05	0.28	0.62	1.61	2.54	98.9	1	91	

FR0008F DONON FRANCE

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.52	0.32	0.43	1.99	0.00	0.11	0.46	1.05	1.45	100.0	1	91	
SO2	0.85	0.57	0.65	2.52	0.00	0.05	0.72	2.12	2.62	98.9	9	90	

FR0009F REVIN FRANCE

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.13	1.08	0.78	2.40	0.06	0.21	0.71	3.58	5.66	100.0	0	90	
SO2	7.53	47.32	1.54	3.03	0.26	0.40	1.30	7.98	422.29	87.8	0	79	

FR0009F REVIN FRANCE

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.02	0.56	0.88	1.75	0.23	0.29	0.92	2.04	3.19	100.0	0	92	
SO2	1.25	0.93	0.84	3.03	0.05	0.05	0.94	3.22	4.00	98.9	9	91	

FR0009F REVIN FRANCE

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.15	0.70	0.94	1.98	0.17	0.27	0.96	2.47	3.52	100.0	0	92	
SO2	0.92	0.60	0.75	2.01	0.05	0.33	0.69	2.13	3.99	100.0	3	92	

FR0009F REVIN FRANCE

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.88	0.59	0.70	2.06	0.13	0.19	0.72	2.04	2.56	100.0	0	91	
SO2	1.41	0.95	1.09	2.35	0.05	0.27	1.11	3.63	4.45	100.0	4	91	

FR0010F MORVAN FRANCE

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.56	0.54	0.37	2.86	0.01	0.06	0.38	1.54	3.39	95.6	3	86	
SO2	0.79	0.80	0.47	3.19	0.05	0.05	0.54	2.85	4.08	90.0	7	81	

FR0010F MORVAN FRANCE

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.77	0.52	0.56	2.75	0.01	0.10	0.67	1.62	2.72	100.0	3	92	
SO2	0.66	0.49	0.44	3.02	0.05	0.05	0.57	1.62	2.28	97.8	16	90	

FR0010F MORVAN FRANCE

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.79	0.58	0.58	2.43	0.01	0.12	0.59	1.96	2.60	89.1	1	82	
SO2	0.64	0.50	0.52	1.89	0.05	0.25	0.46	1.66	3.15	89.1	2	82	

FR0010F MORVAN FRANCE

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.61	0.39	0.47	2.26	0.01	0.12	0.55	1.41	1.84	87.9	1	80	
SO2	0.68	0.49	0.48	2.82	0.05	0.05	0.60	1.66	2.91	87.9	12	80	

FR0011F BONNEVAUX FRANCE

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.45	0.40	0.32	2.62	0.01	0.07	0.31	0.99	2.35	83.3	3	75	
SO2	0.44	0.40	0.26	3.28	0.05	0.05	0.39	1.17	2.01	77.8	16	70	

FR0011F BONNEVAUX FRANCE

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.58	0.31	0.47	2.25	0.01	0.14	0.51	1.11	1.39	96.7	2	89	
SO2	0.47	0.36	0.33	2.71	0.05	0.05	0.44	1.07	2.50	96.7	17	89	

FR0011F BONNEVAUX FRANCE

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.58	0.36	0.48	1.97	0.09	0.12	0.50	1.23	1.69	92.4	0	85	
SO2	0.31	0.14	0.25	2.14	0.05	0.05	0.34	0.51	0.57	93.5	14	86	

FR0011F BONNEVAUX FRANCE

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.41	0.28	0.32	2.16	0.01	0.07	0.36	0.89	1.85	100.0	1	91	
SO2	0.17	0.17	0.10	2.69	0.05	0.05	0.05	0.45	0.55	100.0	58	91	

FR0012F IRATY FRANCE

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.34	0.22	0.28	1.92	0.01	0.13	0.27	0.71	1.21	85.6	1	77	
SO2	0.71	0.73	0.38	3.71	0.05	0.05	0.50	2.26	3.31	85.6	5	77	

FR0012F IRATY FRANCE

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.05	1.21	0.76	2.15	0.09	0.23	0.70	2.13	6.98	91.3	0	84	
SO2	0.92	0.63	0.68	2.60	0.05	0.05	0.75	2.26	3.03	98.9	8	91	

FR0012F IRATY FRANCE

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.72	0.50	0.54	2.55	0.01	0.18	0.60	1.70	2.52	70.7	2	65	
SO2	0.62	0.34	0.55	1.65	0.05	0.35	0.52	1.53	1.77	70.7	1	65	

FR0012F IRATY FRANCE

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.68	0.83	0.44	2.33	0.15	0.16	0.36	1.76	5.33	74.7	0	68	
SO2	0.83	0.51	0.61	2.74	0.05	0.05	0.73	1.58	2.87	73.6	8	67	

GB0002R ESKDALEMUIR UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.56	0.54	0.41	2.25	0.03	0.16	0.35	1.67	3.02	100.0	0	90	
Q SO2	0.90	1.16	0.60	2.35	0.14	0.16	0.52	2.22	9.46	100.0	0	90	
NH3+NH4+	0.71	0.91	0.42	2.69	0.04	0.09	0.36	3.20	4.29	93.3	0	84	
HNO3+NO3	0.31	0.44	0.14	3.54	0.00	0.02	0.12	1.41	2.03	94.4	1	85	

GB0002R ESKDALEMUIR UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.69	0.56	0.52	2.08	0.13	0.17	0.50	1.97	2.84	100.0	0	92	
Q SO2	0.60	0.67	0.43	2.08	0.13	0.18	0.36	1.62	4.25	100.0	0	92	
NH3+NH4+	0.89	0.88	0.55	2.86	0.03	0.08	0.57	2.62	4.95	98.9	0	91	
HNO3+NO3	0.39	0.52	0.19	3.42	0.00	0.03	0.17	1.60	2.74	100.0	1	92	

GB0002R ESKDALEMUIR UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.83	0.70	0.64	2.02	0.14	0.24	0.60	2.29	3.49	100.0	0	92	
Q SO2	0.65	0.60	0.47	2.17	0.16	0.17	0.38	1.83	3.16	100.0	0	92	
NH3+NH4+	1.21	1.08	0.83	2.63	0.00	0.24	0.80	3.78	4.91	98.9	1	91	
HNO3+NO3	0.37	0.42	0.22	2.85	0.00	0.05	0.20	1.20	2.04	100.0	1	92	

GB0002R ESKDALEMUIR UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.61	0.59	0.40	2.55	0.02	0.10	0.36	1.57	3.07	98.9	0	90	
Q SO2	0.77	0.79	0.56	2.10	0.18	0.22	0.46	2.34	5.25	98.9	0	90	
NH3+NH4+	0.95	0.82	0.67	2.37	0.10	0.17	0.77	2.19	4.82	98.9	0	90	
HNO3+NO3	0.38	0.42	0.21	3.46	0.00	0.02	0.22	1.21	2.43	98.9	1	90	

GB0004R STOKE FERRY UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.26	1.23	0.91	2.16	0.22	0.31	0.87	3.65	7.39	97.8	0	88	
Q SO2	2.56	2.06	2.03	1.92	0.65	0.85	1.83	7.12	10.78	97.8	0	88	

GB0004R STOKE FERRY UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.06	0.75	0.83	2.16	0.03	0.28	0.74	2.47	4.01	100.0	1	92	
Q SO2	1.84	1.34	1.46	1.98	0.34	0.44	1.41	4.59	6.56	100.0	0	92	

GB0004R STOKE FERRY UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.25	0.80	1.06	1.72	0.37	0.49	0.94	3.16	3.70	100.0	0	92	
Q SO2	1.56	1.17	1.27	1.88	0.43	0.46	1.20	4.08	6.69	100.0	0	92	

GB0004R STOKE FERRY UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.87	0.59	0.70	2.04	0.03	0.25	0.68	1.69	3.18	100.0	1	91	
Q SO2	1.75	1.36	1.43	1.89	0.12	0.57	1.45	3.76	10.38	100.0	1	91	

GB0006R LOUGH NAVAR UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.69	0.68	0.47	2.39	0.11	0.13	0.51	2.19	3.26	100.0	0	90	
Q SO2	0.58	0.85	0.40	2.04	0.12	0.17	0.34	1.26	5.17	100.0	1	90	

GB0006R LOUGH NAVAR UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.68	0.63	0.48	2.25	0.09	0.16	0.49	1.87	3.82	100.0	0	92	
Q SO2	0.33	0.28	0.27	1.72	0.11	0.14	0.23	0.88	1.91	100.0	2	92	

GB0006R LOUGH NAVAR UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.54	0.43	0.41	2.11	0.11	0.13	0.35	1.48	1.73	95.7	0	88	
Q SO2	0.26	0.14	0.23	1.50	0.13	0.14	0.22	0.52	0.98	94.6	0	87	

GB0006R LOUGH NAVAR UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.52	0.59	0.32	2.66	0.03	0.09	0.25	1.71	2.83	96.7	1	88	
Q SO2	0.36	0.24	0.31	1.66	0.12	0.17	0.27	0.95	1.38	96.7	3	88	

GB0007R BARCOMB MILLS UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.76	1.39	1.31	2.31	0.04	0.33	1.33	4.87	7.24	97.8	0	88	
Q SO2	3.33	3.17	2.31	2.35	0.44	0.57	2.05	9.40	16.99	97.8	0	88	

GB0007R BARCOMB MILLS UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.22	0.65	1.06	1.73	0.08	0.48	1.07	2.30	3.95	100.0	0	92	
Q SO2	0.82	0.50	0.70	1.74	0.26	0.31	0.69	1.69	2.81	100.0	0	92	

GB0007R BARCOMB MILLS UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.35	0.86	1.13	1.79	0.29	0.47	1.16	2.80	5.20	100.0	0	92	
Q SO2	0.90	0.58	0.76	1.78	0.25	0.27	0.75	2.01	3.34	100.0	0	92	

GB0007R BARCOMB MILLS UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.94	0.64	0.76	1.92	0.14	0.26	0.75	2.36	3.55	100.0	0	91	
Q SO2	1.10	0.77	0.90	1.89	0.25	0.30	0.90	2.52	4.93	100.0	0	91	

GB0013R YARNER WOOD UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.16	0.94	0.88	2.11	0.21	0.30	0.83	3.28	4.50	95.6	0	86	
Q SO2	1.49	1.62	0.96	2.59	0.12	0.12	0.93	5.00	7.60	95.6	6	86	

GB0013R YARNER WOOD UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.69	0.54	0.52	2.26	0.06	0.11	0.50	1.85	2.33	59.8	0	55	
Q SO2	0.67	0.39	0.57	1.84	0.12	0.12	0.52	1.49	1.81	59.8	4	55	

GB0013R YARNER WOOD UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.90	0.72	0.61	2.75	0.03	0.08	0.68	2.33	2.90	89.1	3	82	
Q SO2	0.71	0.49	0.57	2.06	0.12	0.12	0.58	1.75	2.94	87.0	10	80	

GB0013R YARNER WOOD UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.67	0.68	0.46	2.37	0.07	0.12	0.46	2.08	3.66	95.6	0	87	
Q SO2	0.84	0.92	0.62	2.11	0.12	0.12	0.56	1.72	7.19	95.6	7	87	

GB0014R HIGH MUFFLES UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3+NH4+	1.68	1.38	1.20	2.35	0.15	0.26	1.07	4.56	4.96	65.6	0	59	
HNO3+NO3	0.75	0.64	0.54	2.32	0.10	0.15	0.50	1.89	2.65	65.6	0	59	

GB0014R HIGH MUFFLES UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3+NH4+	2.14	1.82	1.60	2.18	0.24	0.36	1.50	6.20	11.24	98.9	0	91	
HNO3+NO3	0.86	0.89	0.54	2.63	0.09	0.12	0.46	2.71	3.90	98.9	0	91	

GB0014R HIGH MUFFLES UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3+NH4+	2.04	1.56	1.54	2.22	0.14	0.32	1.58	5.29	7.89	100.0	0	92	
HNO3+NO3	0.88	0.74	0.64	2.23	0.12	0.14	0.60	2.19	3.62	100.0	0	92	

GB0014R HIGH MUFFLES UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3+NH4+	1.84	1.24	1.46	2.05	0.16	0.41	1.64	3.88	8.08	98.9	0	90	
HNO3+NO3	0.83	0.66	0.59	2.37	0.10	0.12	0.66	2.13	3.06	97.8	0	89	

GB0015R STRATHVAICH DAM UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.30	0.40	0.20	2.36	0.02	0.07	0.20	0.88	2.90	96.7	0	87	
SO4--	0.31	0.27	0.22	2.18	0.03	0.06	0.20	0.90	1.33	82.2	1	74	
Q SO2	0.62	0.48	0.50	1.89	0.12	0.12	0.49	1.34	3.44	81.1	3	73	

GB0015R STRATHVAICH DAM UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.15	0.17	0.25	2.22	0.00	0.00	0.10	0.34	0.40	4.3	1	4	
SO4--	0.39	0.34	0.29	2.27	0.03	0.09	0.28	0.99	1.83	98.9	2	91	
Q SO2	0.49	0.31	0.40	1.96	0.12	0.12	0.46	0.99	2.16	97.8	19	90	

GB0015R STRATHVAICH DAM UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.58	0.65	0.36	2.73	0.03	0.05	0.35	1.76	4.27	100.0	4	92	
Q SO2	0.55	0.35	0.44	2.02	0.12	0.12	0.50	1.27	2.07	100.0	17	92	

GB0015R STRATHVAICH DAM UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.44	0.47	0.28	2.67	0.03	0.06	0.26	1.38	2.69	84.6	2	77	
Q SO2	0.58	0.37	0.47	2.08	0.12	0.12	0.48	1.21	1.58	84.6	14	77	

GB0016R GLEN DYE UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.42	0.41	0.29	2.31	0.06	0.09	0.25	1.37	1.97	100.0	0	90	
Q SO2	0.83	1.11	0.50	2.59	0.12	0.12	0.42	3.04	6.56	100.0	11	90	

GB0016R GLEN DYE UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.56	0.49	0.40	2.32	0.03	0.09	0.42	1.47	2.53	100.0	1	92	
Q SO2	0.60	0.55	0.45	2.04	0.12	0.12	0.37	1.65	3.04	100.0	8	92	

GB0016R GLEN DYE UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.91	0.88	0.61	2.53	0.08	0.12	0.57	2.78	4.89	97.8	0	90	
Q SO2	0.79	0.98	0.55	2.14	0.12	0.27	0.41	2.84	6.51	97.8	1	90	

GB0016R GLEN DYE UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.69	0.77	0.40	2.94	0.06	0.07	0.34	2.42	3.41	97.8	0	89	
Q SO2	0.87	0.95	0.61	2.21	0.12	0.18	0.55	2.32	6.75	98.9	4	90	

GB0036R HARWELL UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	8.18	5.54	6.05	2.38	0.50	1.30	8.00	17.16	23.00	97.8	0	88	

GB0036R HARWELL UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	5.87	3.97	4.80	1.88	1.20	1.62	4.70	13.74	20.00	100.0	0	92	

GB0036R HARWELL UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.20	2.91	3.44	1.88	0.90	1.20	3.20	10.48	12.30	34.8	0	32	

GB0036R HARWELL UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	8.78	6.29	6.84	2.09	1.30	1.62	6.75	18.25	31.80	56.0	0	51	

GB0037R LADYBOWER UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	6.07	3.80	4.86	2.05	0.90	1.10	5.03	13.13	15.40	86.7	0	78	

GB0037R LADYBOWER UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.16	2.55	3.50	1.85	0.50	1.12	3.70	8.60	15.40	100.0	0	92	

GB0037R LADYBOWER UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.34	1.45	3.08	1.49	1.50	1.68	2.85	5.91	8.80	83.7	0	77	

GB0037R LADYBOWER UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.84	3.22	4.00	1.89	0.60	1.50	4.05	13.07	15.20	67.0	0	61	

GB0038R LULLINGTON HEATH UNITED KINGDOM

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	6.04	4.68	4.31	2.40	0.60	1.01	4.45	14.60	20.00	92.2	0	83	

GB0038R LULLINGTON HEATH UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.80	2.13	3.30	1.70	0.90	1.35	2.95	7.80	10.90	96.7	0	89	

GB0038R LULLINGTON HEATH UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.41	1.51	3.10	1.57	0.70	1.50	3.20	6.90	8.20	100.0	0	92	

GB0038R LULLINGTON HEATH UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.67	2.61	3.01	1.86	1.30	1.35	2.65	8.78	11.00	25.3	0	23	

GB0043R NARBERTH UNITED KINGDOM

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.05	1.43	1.67	1.89	0.40	0.66	1.60	4.52	6.50	78.3	0	72	

GB0043R NARBERTH UNITED KINGDOM

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.46	0.88	1.24	1.83	0.20	0.40	1.30	2.91	4.50	84.8	0	78	

GB0043R NARBERTH UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.99	1.70	1.47	2.15	0.40	0.50	1.20	4.89	8.60	89.0	0	81	

GB0045R WICKEN FEN UNITED KINGDOM

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	7.78	3.37	7.16	1.52	3.50	3.50	6.90	12.41	16.10	19.8	0	18	

GR0001R ALIARTOS GREECE

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.05	2.32	3.40	1.86	0.91	1.05	3.63	8.55	10.94	44.4	0	40	
I SO4--	0.25	0.00	0.25	1.00	0.25	0.25	0.25	0.25	0.25	30.0	0	27	
I SO2	8.02	9.75	4.95	2.73	0.56	0.61	4.05	20.51	48.16	28.9	0	26	

GR0001R ALIARTOS GREECE

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.54	1.09	2.31	1.57	0.80	1.00	2.42	4.25	6.00	87.0	0	80	
I SO4--	2.38	1.56	1.94	2.01	0.25	0.47	2.21	4.07	11.69	85.9	0	79	
I SO2	4.22	4.14	2.72	2.53	1.20	1.20	1.22	12.16	18.01	85.9	0	79	

GR0001R ALIARTOS GREECE

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.91	0.73	2.82	1.30	1.56	1.66	2.76	4.01	4.70	46.7	0	43	
I SO4--	1.00	1.46	0.62	2.49	0.17	0.22	0.62	1.90	8.49	35.9	0	33	
I SO2	2.58	1.66	2.14	1.82	1.20	1.20	1.96	5.49	7.17	48.9	0	45	

GR0001R ALIARTOS GREECE

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.89	1.61	3.50	1.67	0.50	1.16	3.72	6.62	7.53	67.0	0	61	
I SO4--	2.01	1.62	1.21	3.19	0.25	0.25	1.88	4.92	6.10	72.5	0	66	
I SO2	3.30	4.07	2.18	2.29	1.20	1.20	1.20	8.20	26.89	73.6	0	67	

HU0002R K-PUSZTA HUNGARY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	30.6	49.5	-	-	-15.3	-13.4	6.5	140.7	169.1	26.7	6	37	
NH3	0.71	0.42	0.59	1.95	0.02	0.20	0.57	1.58	1.98	94.4	1	85	
NH4+	2.37	1.38	1.95	2.28	0.01	0.88	1.93	5.04	7.16	76.7	0	69	
I NO2	2.38	0.89	2.20	1.51	0.55	1.03	2.20	4.00	4.70	97.8	0	88	
Q SO4--	3.14	2.02	2.56	1.95	0.26	0.91	2.53	6.93	10.56	97.8	0	88	
Q SO2	13.69	11.05	10.06	2.30	1.35	2.09	10.40	36.52	51.64	64.4	0	58	
HNO3+NO3	1.89	0.95	1.68	1.65	0.54	0.61	1.76	3.63	5.64	64.4	0	58	

HU0002R K-PUSZTA HUNGARY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	-24.5	59.6	-	-	-230.0	-176.4	0.0	21.2	24.5	45.7	21	42	
NH3	1.49	0.87	1.24	1.95	0.05	0.42	1.24	3.52	4.12	89.1	0	82	
NH4+	1.73	1.16	1.31	2.48	0.02	0.35	1.41	3.93	5.58	98.9	2	91	
I NO2	1.29	0.63	1.04	2.40	0.01	0.19	1.26	2.27	3.39	81.5	0	75	
Q SO4--	1.74	0.89	1.46	2.20	0.00	0.63	1.45	3.54	4.14	98.9	1	91	
Q SO2	3.84	2.44	3.06	2.12	0.10	0.76	3.23	8.40	11.70	98.9	1	91	
HNO3+NO3	1.06	0.81	0.84	2.02	0.04	0.32	0.79	2.26	5.87	98.9	1	91	

HU0002R K-PUSZTA HUNGARY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	-2.6	24.0	-	-	-107.4	-73.1	3.1	16.1	23.6	47.8	18	44	
NH3	1.36	0.80	0.96	3.16	0.02	0.02	1.35	2.69	3.95	94.6	5	87	
NH4+	1.52	0.75	1.32	1.78	0.13	0.45	1.32	2.81	3.22	96.7	0	89	
I NO2	1.15	0.57	1.00	1.79	0.21	0.29	1.07	2.13	2.36	78.3	0	72	
Q SO4--	1.73	0.69	1.58	1.55	0.53	0.68	1.68	2.90	3.34	79.3	0	73	
Q SO2	2.62	2.11	1.98	2.18	0.11	0.69	1.87	6.22	12.73	96.7	0	89	
HNO3+NO3	0.50	0.16	0.47	1.42	0.19	0.24	0.49	0.75	0.97	79.3	0	73	

HU0002R K-PUSZTA HUNGARY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	-8.5	18.2	-	-	-55.3	-51.2	-7.1	17.6	27.6	49.5	28	45	
NH3	1.24	0.92	0.71	4.20	0.02	0.02	1.19	2.96	3.67	93.4	8	85	
NH4+	1.87	1.25	1.45	2.18	0.11	0.33	1.50	4.36	5.58	100.0	0	91	
I NO2	1.91	1.12	1.63	1.79	0.33	0.53	1.50	3.97	6.67	98.9	0	90	
Q SO4--	1.68	1.16	1.26	2.44	0.01	0.34	1.38	3.97	5.31	100.0	1	91	
Q SO2	3.77	2.41	3.01	2.11	0.11	0.83	3.50	7.95	13.48	98.9	0	90	
HNO3+NO3	0.92	0.57	0.75	2.11	0.01	0.25	0.75	2.11	2.74	100.0	1	91	

IE0001R VALENTIA OBS. IRELAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.09	1.02	0.62	3.37	0.05	0.10	0.80	2.95	4.50	100.0	2	90	
SO4--	0.81	0.58	0.64	2.07	0.04	0.20	0.61	1.94	3.06	100.0	0	90	
SO2	0.81	0.95	0.42	3.34	0.02	0.07	0.35	2.47	5.82	98.9	0	89	

IE0001R VALENTIA OBS. IRELAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.69	0.58	0.43	2.96	0.05	0.05	0.50	1.94	2.30	100.0	8	92	
SO4--	0.89	0.58	0.72	1.95	0.16	0.23	0.70	1.90	2.90	98.9	0	91	
SO2	0.50	0.55	0.32	2.57	0.07	0.09	0.25	1.34	2.86	98.9	0	91	

IE0001R VALENTIA OBS. IRELAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.40	0.36	0.26	2.62	0.05	0.05	0.20	1.10	1.50	95.7	8	88	
SO4--	0.61	0.38	0.52	1.76	0.10	0.23	0.49	1.55	1.78	100.0	0	92	
SO2	0.35	0.35	0.26	2.02	0.09	0.11	0.22	0.92	2.19	100.0	0	92	

IE0001R VALENTIA OBS. IRELAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.92	0.89	0.49	3.71	0.05	0.05	0.70	2.80	3.30	100.0	13	91	
SO4--	0.64	0.56	0.46	2.18	0.10	0.16	0.37	1.76	2.67	97.8	0	89	
SO2	0.42	0.40	0.28	2.54	0.06	0.06	0.23	1.29	2.04	97.8	0	89	

IE0002R TURLOUGH HILL IRELAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.50	0.56	0.28	3.32	0.01	0.01	0.27	1.58	3.17	98.9	4	89	
SO2	0.99	1.67	0.40	4.49	0.00	0.00	0.20	4.86	8.30	96.7	26	87	

IE0002R TURLOUGH HILL IRELAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.67	0.80	0.43	2.73	0.01	0.08	0.49	1.42	6.67	100.0	1	92	
SO2	0.44	0.70	0.21	3.16	0.05	0.05	0.20	1.58	4.40	100.0	16	92	

IE0002R TURLOUGH HILL IRELAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.52	0.41	0.40	2.14	0.02	0.13	0.38	1.38	2.19	100.0	0	92	
SO2	0.21	0.24	0.14	2.39	0.05	0.05	0.10	0.74	1.30	100.0	23	92	

IE0002R TURLOUGH HILL IRELAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.54	0.72	0.23	4.56	0.00	0.01	0.24	2.14	3.32	98.9	3	90	
SO2	1.16	1.87	0.39	4.81	0.02	0.02	0.40	5.66	8.71	98.9	0	90	

IE0003R THE BURREN IRELAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.43	0.34	0.32	2.17	0.09	0.10	0.30	1.06	1.68	65.6	0	59	

IE0003R THE BURREN IRELAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.42	0.38	0.29	2.45	0.01	0.09	0.28	1.22	2.26	98.9	0	91	

IE0003R THE BURREN IRELAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.49	0.28	0.42	1.67	0.15	0.20	0.39	1.07	1.67	100.0	0	92	

IE0003R THE BURREN IRELAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.49	0.43	0.36	2.17	0.09	0.11	0.29	1.36	2.22	100.0	0	91	

IE0004R RIDGE OF CAPARD IRELAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.22	0.22	0.15	2.21	0.04	0.04	0.14	0.63	1.23	56.7	0	51	

IE0004R RIDGE OF CAPARD IRELAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.44	0.33	0.34	2.12	0.05	0.09	0.39	1.08	1.93	100.0	0	92	

IE0004R RIDGE OF CAPARD IRELAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.38	0.27	0.31	1.98	0.05	0.10	0.30	0.86	1.54	100.0	0	92	

IE0004R RIDGE OF CAPARD IRELAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.27	0.25	0.19	2.46	0.01	0.05	0.19	0.72	1.55	100.0	0	91	

IS0002R IRAFOSS ICELAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.37	0.63	0.22	2.72	0.00	0.04	0.28	0.77	5.87	100.0	1	90	

IS0002R IRAFOSS ICELAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.33	0.22	0.28	1.80	0.00	0.09	0.28	0.75	1.23	100.0	1	92	

IS0002R IRAFOSS ICELAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.25	0.19	0.23	1.81	0.00	0.07	0.21	0.67	1.02	100.0	3	92	

IS0002R IRAFOSS ICELAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.12	0.12	0.08	2.90	0.00	0.01	0.08	0.34	0.68	100.0	2	91	

IT0001R MONTELIBRETTI ITALY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	1.08	0.38	1.00	1.51	0.30	0.39	1.04	1.72	1.91	100.0	0	90	
NH4+	2.05	1.08	1.75	1.81	0.34	0.61	1.73	3.96	4.78	100.0	0	90	
NO3-	1.28	0.86	1.01	2.06	0.16	0.31	0.95	2.75	3.49	100.0	0	90	
HNO3	0.04	0.03	0.04	1.83	0.00	0.01	0.03	0.08	0.18	100.0	2	90	
NO2	3.81	1.40	3.48	1.60	0.71	1.28	4.09	5.99	6.99	100.0	0	90	
SO4--	0.91	0.47	0.78	1.82	0.14	0.25	0.77	1.63	2.02	100.0	0	90	
SO2	0.80	0.50	0.67	1.85	0.13	0.23	0.72	1.87	2.51	100.0	0	90	

IT0001R MONTELIBRETTI ITALY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	1.49	0.41	1.43	1.32	0.74	0.90	1.43	2.29	2.66	100.0	0	92	
NH4+	1.88	1.25	1.55	1.87	0.38	0.52	1.55	4.23	6.33	100.0	0	92	
NO3-	1.06	0.96	0.77	2.18	0.16	0.20	0.76	3.21	4.64	100.0	0	92	
HNO3	0.15	0.09	0.12	1.94	0.02	0.04	0.13	0.33	0.44	100.0	0	92	
NO2	3.53	1.58	3.15	1.69	0.49	0.95	3.36	6.31	10.20	100.0	0	92	
SO4--	1.39	0.86	1.16	1.87	0.28	0.36	1.13	3.11	3.89	100.0	0	92	
SO2	0.96	0.52	0.82	1.78	0.20	0.29	0.83	1.98	2.28	100.0	0	92	

IT0001R MONTELIBRETTI ITALY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	1.97	0.53	1.90	1.32	0.88	1.02	1.96	2.86	3.99	82.6	0	76	
NH4+	1.62	0.62	1.50	1.52	0.52	0.59	1.54	2.65	3.04	82.6	0	76	
NO3-	0.55	0.26	0.48	1.75	0.10	0.16	0.52	0.98	1.20	82.6	0	76	
HNO3	0.29	0.14	0.25	1.75	0.06	0.08	0.29	0.47	0.88	82.6	0	76	
NO2	3.18	0.91	3.05	1.35	1.05	1.81	3.09	4.91	5.70	97.8	0	90	
SO4--	1.68	0.69	1.53	1.58	0.43	0.54	1.58	2.87	3.37	82.6	0	76	
SO2	1.18	0.60	1.03	1.73	0.20	0.40	1.03	2.23	2.92	82.6	0	76	

IT0001R MONTELIBRETTI ITALY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	1.41	0.52	1.30	1.56	0.12	0.62	1.37	2.24	3.19	100.0	0	91	
NH4+	1.49	0.83	1.25	1.89	0.23	0.37	1.42	2.88	4.14	100.0	0	91	
NO3-	0.57	0.32	0.48	1.92	0.08	0.11	0.54	1.09	1.56	100.0	0	91	
HNO3	0.18	0.17	0.11	3.07	0.00	0.02	0.12	0.45	0.71	100.0	1	91	
NO2	3.77	0.67	3.71	1.20	2.61	2.65	3.84	4.78	5.11	29.7	0	27	
SO4--	1.12	0.81	0.87	2.10	0.19	0.24	0.85	2.69	4.11	100.0	0	91	
SO2	0.90	0.76	0.65	2.35	0.04	0.15	0.65	2.66	3.38	100.0	0	91	

IT0004R ISPRA ITALY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	17.1	13.5	-	-	1.0	1.0	13.0	40.0	61.0	100.0	0	90	
NH4+	2.91	2.63	1.89	2.70	0.14	0.34	1.76	7.43	12.50	100.0	0	90	
NO3-	2.03	1.78	1.34	2.63	0.13	0.32	1.17	5.20	7.48	100.0	0	90	
NO2	9.54	3.12	9.06	1.39	2.80	5.10	9.10	16.50	20.80	100.0	0	90	
SO4--	1.20	1.04	0.86	2.30	0.12	0.23	0.91	2.99	5.38	100.0	0	90	
SO2	1.01	0.60	0.89	1.62	0.50	0.50	0.80	2.15	3.30	100.0	0	90	
SPM	55.2	31.9	46.4	1.8	9.0	15.0	49.0	104.5	153.0	100.0	0	90	

IT0004R ISPRA ITALY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	8.2	7.2	-	-	1.0	1.0	6.0	22.0	30.0	100.0	0	92	
NH4+	2.40	1.90	1.81	2.23	0.16	0.40	1.94	5.72	10.75	100.0	0	92	
NO3-	1.76	1.54	1.23	2.43	0.17	0.21	1.28	4.71	7.59	100.0	0	92	
NO2	6.58	3.57	5.78	1.66	2.10	2.62	5.40	13.84	17.30	100.0	0	92	
SO4--	1.30	0.73	1.08	1.94	0.16	0.32	1.18	2.59	2.99	100.0	0	92	
SO2	1.58	0.76	1.41	1.64	0.50	0.56	1.40	3.18	3.90	100.0	0	92	
SPM	45.0	27.1	38.4	1.8	10.0	13.6	38.0	108.2	147.0	100.0	0	92	

IT0004R ISPRA ITALY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	11.2	7.9	-	-	1.0	1.0	9.0	25.4	31.0	100.0	0	92	
NH4+	1.50	0.99	1.15	2.29	0.13	0.20	1.38	3.18	4.43	100.0	0	92	
NO3-	0.65	0.38	0.54	1.90	0.11	0.16	0.58	1.32	1.87	100.0	0	92	
NO2	3.68	1.22	3.50	1.38	1.70	2.16	3.60	6.00	8.40	100.0	0	92	
SO4--	1.34	0.88	1.02	2.30	0.10	0.15	1.12	3.00	3.77	100.0	0	92	
SO2	0.99	0.39	0.92	1.46	0.50	0.50	0.90	1.84	2.00	100.0	0	92	
SPM	31.8	14.7	28.0	1.7	7.0	9.0	30.0	58.0	61.0	100.0	0	92	

IT0004R ISPRA ITALY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
H+	18.2	12.4	-	-	1.0	2.0	15.5	40.5	46.0	100.0	0	91	
NH4+	2.50	1.81	1.82	2.43	0.12	0.33	2.19	5.77	8.74	100.0	0	91	
NO3-	1.66	1.43	1.09	2.77	0.06	0.15	1.29	4.72	6.87	100.0	0	91	
NO2	7.04	3.22	6.33	1.61	2.20	2.76	6.20	12.55	15.70	100.0	0	91	
SO4--	1.50	1.13	1.05	2.57	0.09	0.17	1.22	3.35	4.92	100.0	0	91	
SO2	0.94	0.49	0.84	1.61	0.50	0.50	0.80	1.75	2.90	100.0	0	91	
SPM	57.5	28.4	49.3	1.8	8.0	14.6	56.5	100.4	125.0	100.0	0	91	

LT0015R PREILA LITHUANIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.81	3.02	0.76	3.92	0.05	0.08	0.75	6.21	17.66	65.6	0	59	
NO3-	1.18	1.26	0.76	2.66	0.10	0.12	0.75	3.23	7.02	65.6	0	59	
NO2	1.96	1.26	1.54	2.22	0.09	0.41	1.80	4.07	6.67	100.0	0	90	
I SO2	3.47	4.58	1.69	3.53	0.15	0.23	1.70	14.88	23.26	100.0	0	90	
NH3+NH4+	1.86	1.67	1.14	2.98	0.06	0.20	1.24	4.91	7.29	96.7	0	87	
HNO3+NO3	1.48	1.21	1.07	2.38	0.00	0.21	1.13	3.95	5.85	100.0	1	90	

LT0015R PREILA LITHUANIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.11	1.69	0.58	3.15	0.01	0.15	0.50	3.92	11.35	94.6	0	87	
NO3-	0.64	0.79	0.40	2.58	0.02	0.09	0.37	1.88	4.17	94.6	0	87	
NO2	1.64	0.82	1.39	1.89	0.15	0.38	1.43	2.97	3.59	98.9	0	91	
I SO2	1.31	0.82	1.07	2.00	0.09	0.25	1.10	3.34	3.69	98.9	0	91	
NH3+NH4+	1.87	2.15	1.09	2.99	0.12	0.17	1.25	5.16	12.21	87.0	0	80	
HNO3+NO3	0.76	0.87	0.52	2.35	0.04	0.14	0.49	2.56	5.15	95.7	0	88	

LT0015R PREILA LITHUANIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.70	0.59	0.42	3.55	0.01	0.01	0.50	1.95	2.55	91.3	0	84	
NO3-	0.41	0.27	0.33	1.99	0.05	0.08	0.35	0.78	1.89	91.3	0	84	
NO2	3.15	2.30	2.59	1.84	0.61	0.87	2.36	7.79	13.89	94.6	0	87	
I SO2	0.78	0.57	0.63	1.94	0.11	0.23	0.54	1.80	3.05	85.9	0	79	
NH3+NH4+	2.84	2.10	2.25	2.03	0.30	0.68	2.36	6.23	12.55	97.8	0	90	
HNO3+NO3	0.96	0.72	0.77	1.90	0.11	0.29	0.73	2.39	3.92	93.5	0	86	

LT0015R PREILA LITHUANIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.91	1.00	0.43	4.04	0.02	0.04	0.44	2.97	4.31	97.8	0	89	
NO3-	0.60	0.40	0.48	2.03	0.07	0.13	0.47	1.38	1.86	97.8	0	89	
NO2	4.44	4.72	2.66	2.90	0.17	0.29	2.60	15.02	19.61	97.8	0	89	
I SO2	0.97	0.98	0.64	2.50	0.06	0.19	0.55	2.74	4.91	97.8	0	89	
NH3+NH4+	1.47	1.36	0.95	2.62	0.09	0.29	0.81	3.83	5.98	96.7	0	88	
HNO3+NO3	0.93	0.98	0.63	2.37	0.10	0.16	0.57	2.41	6.42	96.7	0	88	

LV0010R RUCAVA LATVIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.73	0.38	0.62	1.91	0.06	0.16	0.68	1.22	2.02	52.2	0	47	
NH4+	1.06	0.55	0.91	1.80	0.16	0.30	1.01	2.15	2.45	76.7	0	69	
NO3-	0.75	0.34	0.68	1.56	0.22	0.34	0.67	1.42	1.68	76.7	0	69	
HNO3	0.46	0.29	0.37	2.04	0.07	0.08	0.44	0.98	1.28	52.2	0	47	
NO2	1.41	0.90	1.17	1.86	0.30	0.40	1.20	3.12	4.70	74.4	0	67	
Q SO4--	0.97	0.59	0.73	2.58	0.01	0.13	0.90	2.12	2.39	76.7	0	69	
I SO2	0.89	0.75	0.69	2.35	0.00	0.00	0.65	2.30	3.10	76.7	4	69	
NH3+NH4+	1.80	0.63	1.69	1.46	0.62	0.73	1.75	2.95	3.41	76.7	0	69	
HNO3+NO3	1.20	0.50	1.10	1.54	0.29	0.48	1.11	2.15	2.65	76.7	0	69	

LV0010R RUCAVA LATVIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.46	0.34	0.27	3.97	0.01	0.01	0.43	1.08	1.72	96.7	10	89	
NH4+	0.94	0.42	0.84	1.66	0.13	0.32	0.88	1.65	2.40	96.7	0	89	
NO3-	0.72	0.29	0.66	1.53	0.12	0.32	0.70	1.23	1.67	96.7	0	89	
HNO3	0.40	0.21	0.35	1.67	0.07	0.14	0.37	0.78	1.35	96.7	0	89	
NO2	1.05	0.54	0.92	1.70	0.10	0.50	0.90	2.10	3.10	96.7	0	89	
Q SO4--	0.83	0.47	0.60	3.03	0.01	0.02	0.80	1.76	2.10	96.7	6	89	
I SO2	0.88	0.71	0.75	2.11	0.00	0.00	0.70	2.26	3.40	96.7	7	89	
NH3+NH4+	1.40	0.59	1.28	1.52	0.42	0.63	1.24	2.62	3.35	96.7	0	89	
HNO3+NO3	1.12	0.37	1.06	1.40	0.50	0.52	1.08	1.68	2.23	96.7	0	89	

LV0010R RUCAVA LATVIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.61	0.38	0.45	2.65	0.01	0.06	0.56	1.19	1.76	100.0	2	92	
NH4+	0.62	0.37	0.49	2.29	0.01	0.12	0.56	1.29	1.57	100.0	1	92	
NO3-	0.53	0.29	0.47	1.58	0.16	0.20	0.47	0.91	2.01	100.0	0	92	
HNO3	0.32	0.21	0.22	3.01	0.01	0.01	0.29	0.69	1.02	90.2	6	83	
NO2	1.09	0.78	0.88	1.92	0.20	0.30	0.80	2.82	4.00	100.0	0	92	
Q SO4--	0.82	0.81	0.41	4.84	0.01	0.01	0.66	2.28	4.98	100.0	14	92	
I SO2	0.90	0.63	0.85	1.77	0.00	0.00	0.80	2.04	3.10	100.0	8	92	
NH3+NH4+	1.24	0.59	1.05	1.93	0.09	0.26	1.24	2.23	2.66	100.0	0	92	
HNO3+NO3	0.85	0.39	0.77	1.56	0.18	0.34	0.80	1.36	2.56	90.2	0	83	

LV0010R RUCAVA LATVIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.44	0.51	0.20	4.51	0.01	0.01	0.22	1.51	2.08	129.7	11	87	
NH4+	0.86	0.58	0.63	2.56	0.01	0.09	0.72	1.98	2.48	133.0	1	90	
NO3-	0.52	0.30	0.43	1.92	0.06	0.14	0.47	1.12	1.49	133.0	0	90	
HNO3	0.18	0.12	0.13	2.91	0.01	0.01	0.18	0.40	0.67	128.6	9	86	
NO2	1.01	0.58	0.86	1.88	0.00	0.25	0.90	2.07	3.20	131.9	1	89	
Q SO4--	0.89	0.67	0.57	3.40	0.01	0.01	0.74	2.32	2.78	133.0	6	90	
I SO2	0.71	0.62	0.63	2.24	0.00	0.00	0.60	1.75	3.10	133.0	11	90	
NH3+NH4+	1.32	0.78	1.09	1.92	0.20	0.30	1.11	2.69	3.20	129.7	0	87	
HNO3+NO3	0.77	0.41	0.65	1.85	0.13	0.19	0.71	1.58	1.83	128.6	0	86	

LV0016R ZOSENI LATVIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.21	0.15	0.15	2.58	0.00	0.02	0.19	0.46	0.84	58.9	1	53	
NH4+	0.46	0.32	0.36	2.08	0.02	0.11	0.35	1.17	1.39	83.3	0	75	
NO3-	0.43	0.28	0.34	2.04	0.04	0.11	0.34	0.99	1.18	87.8	0	79	
HNO3	0.17	0.12	0.13	2.34	0.00	0.04	0.16	0.43	0.52	61.1	1	55	
NO2	1.07	1.06	0.71	2.75	0.05	0.06	0.80	2.76	7.30	93.3	3	84	
Q SO4--	0.92	0.79	0.68	2.18	0.10	0.18	0.61	2.42	3.80	91.1	0	82	
I SO2	1.24	1.30	0.77	2.93	0.00	0.01	0.60	3.90	4.30	91.1	4	82	
NH3+NH4+	0.62	0.37	0.53	1.74	0.13	0.21	0.50	1.27	1.97	85.6	0	77	
HNO3+NO3	0.58	0.34	0.50	1.79	0.10	0.18	0.49	1.30	1.60	90.0	0	81	

LV0016R ZOSENI LATVIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.14	0.18	0.08	2.91	0.01	0.01	0.08	0.51	0.87	81.5	5	75	
NH4+	0.54	0.40	0.42	2.02	0.09	0.11	0.40	1.33	1.99	57.6	0	53	
NO3-	0.33	0.27	0.21	3.22	0.01	0.01	0.22	0.90	1.09	62.0	4	57	
HNO3	0.30	0.34	0.17	3.27	0.01	0.01	0.17	0.98	1.62	71.7	5	66	
NO2	0.29	0.24	0.32	1.92	0.00	0.00	0.20	0.76	1.10	95.7	12	88	
Q SO4--	0.62	0.49	0.45	2.41	0.04	0.08	0.50	1.61	2.65	91.3	0	84	
I SO2	0.52	0.70	0.40	2.58	0.00	0.00	0.30	1.42	5.10	84.8	9	78	
NH3+NH4+	0.66	0.44	0.53	1.93	0.12	0.17	0.50	1.61	2.02	89.1	0	82	
HNO3+NO3	0.41	0.31	0.29	2.55	0.02	0.05	0.28	0.99	1.23	85.9	0	79	

LV0016R ZOSENI LATVIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.15	0.05	0.14	1.34	0.09	0.09	0.14	0.22	0.26	10.9	0	10	
NH4+	0.34	0.24	0.26	2.29	0.01	0.06	0.28	0.69	1.40	55.4	1	51	
NO3-	0.21	0.13	0.18	1.83	0.03	0.06	0.17	0.49	0.57	64.1	0	59	
HNO3	0.28	0.10	0.26	1.43	0.16	0.16	0.26	0.41	0.45	10.9	0	10	
NO2	0.68	0.52	0.50	2.37	0.05	0.06	0.55	1.80	2.40	70.7	3	65	
Q SO4--	0.49	0.47	0.29	3.37	0.02	0.02	0.38	1.52	2.14	72.8	6	67	
I SO2	0.47	0.64	0.34	2.39	0.00	0.00	0.30	1.46	4.10	73.9	4	68	
NH3+NH4+	0.80	0.40	0.67	2.00	0.03	0.16	0.80	1.41	1.94	77.2	0	71	
HNO3+NO3	0.27	0.13	0.23	1.72	0.03	0.10	0.24	0.53	0.61	71.7	0	66	

LV0016R ZOSENI LATVIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.49	0.60	0.29	2.64	0.01	0.08	0.26	1.91	2.90	97.8	1	89	
NO3-	0.30	0.38	0.15	3.57	0.01	0.01	0.16	1.24	1.75	98.9	5	90	
NO2	0.68	0.56	0.50	2.37	0.00	0.10	0.50	1.68	2.80	92.3	1	84	
Q SO4--	0.65	0.61	0.40	3.01	0.02	0.05	0.38	1.88	2.57	98.9	3	90	
I SO2	0.61	0.54	0.51	2.09	0.00	0.00	0.50	1.56	3.40	96.7	5	88	
NH3+NH4+	0.74	0.64	0.54	2.31	0.02	0.13	0.54	2.25	2.90	97.8	0	89	
HNO3+NO3	0.39	0.38	0.28	2.28	0.06	0.08	0.24	1.29	1.82	98.9	0	90	

NL0009R KOLLUMERWAARD NETHERLANDS

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	2.05	1.30	1.61	2.14	0.23	0.43	1.76	4.59	5.17	63.3	0	57	
NO3-	1.22	0.69	1.01	1.94	0.21	0.33	1.27	2.32	3.07	63.3	0	57	
NO2	7.06	5.60	5.37	2.12	1.22	1.50	5.03	21.96	24.70	65.6	0	59	
SO4--	1.42	0.91	1.13	2.04	0.24	0.35	1.15	2.96	4.09	63.3	0	57	
SO2	1.72	2.34	1.19	2.32	-0.50	-0.50	1.00	6.14	11.02	65.6	5	59	

NL0009R KOLLUMERWAARD NETHERLANDS

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.75	1.47	1.27	2.29	0.11	0.40	1.23	4.28	8.28	100.0	0	92	
NO3-	1.15	0.99	0.76	2.76	0.09	0.09	0.75	3.14	4.18	100.0	5	92	
SO4--	1.03	0.76	0.83	1.92	0.13	0.32	0.77	2.33	4.88	100.0	1	92	
SO2	0.97	0.58	1.02	1.54	0.00	0.00	1.00	1.62	2.00	16.3	2	15	

NL0009R KOLLUMERWAARD NETHERLANDS

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.62	1.20	1.24	2.22	0.04	0.31	1.20	3.89	5.91	100.0	0	92	
NO3-	0.84	0.67	0.62	2.22	0.11	0.15	0.67	2.20	3.48	100.0	0	92	
NO2	2.92	1.53	2.51	1.78	0.61	0.92	2.75	5.78	6.71	88.0	0	81	
SO4--	1.26	0.86	1.03	1.93	0.13	0.43	0.95	3.23	4.15	100.0	1	92	
SO2	0.51	0.82	0.88	1.54	-1.00	-1.00	0.50	1.77	3.51	75.0	26	69	

NL0009R KOLLUMERWAARD NETHERLANDS

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.40	1.11	0.98	2.49	0.11	0.23	1.05	3.51	4.15	100.0	0	91	
NO3-	0.89	0.68	0.60	2.75	0.09	0.09	0.81	2.24	2.71	100.0	9	91	
NO2	4.84	3.22	3.49	2.56	0.00	0.30	4.43	10.20	12.50	100.0	1	91	
SO4--	0.88	0.73	0.63	2.30	0.17	0.18	0.56	2.48	2.86	100.0	0	91	
SO2	0.94	1.24	1.09	1.78	-1.00	-0.50	0.75	3.01	6.01	100.0	25	91	

NL0010R VREEDEPEEL NETHERLANDS

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	17.55	14.51	12.91	2.23	3.10	3.54	12.77	41.55	68.25	37.8	0	34	
NH4+	2.21	1.77	1.24	3.78	0.05	0.11	2.21	5.25	6.47	65.6	0	59	
NO3-	1.10	0.78	0.69	3.19	0.09	0.09	1.14	2.27	2.71	65.6	8	59	
NO2	12.14	6.93	10.45	1.75	3.35	3.93	11.28	26.13	36.60	54.4	0	49	
SO4--	1.59	1.36	1.01	2.93	0.13	0.13	1.26	4.36	5.23	65.6	4	59	
SO2	5.06	7.50	2.56	3.01	0.50	0.50	2.00	17.36	38.58	65.6	0	59	

NL0010R VREEDEPEEL NETHERLANDS

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	18.89	10.36	16.37	1.73	4.51	6.98	16.82	39.06	53.10	84.8	0	78	
NH4+	1.64	1.75	1.01	3.10	-0.01	0.05	1.10	4.52	11.57	100.0	1	92	
NO3-	1.07	1.11	0.65	2.92	0.09	0.09	0.71	3.19	5.43	100.0	7	92	
NO2	7.34	3.66	6.43	1.72	1.22	2.56	6.71	13.91	18.30	95.7	0	88	
SO4--	0.88	0.95	0.61	2.37	0.13	0.13	0.58	2.22	7.53	100.0	10	92	
SO2	1.38	1.16	1.19	1.94	-0.50	0.00	1.00	3.51	5.51	100.0	10	92	

NL0010R VREEDEPEEL NETHERLANDS

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	21.40	9.96	19.23	1.61	6.34	8.12	18.86	39.78	50.87	59.8	0	55	
NH4+	1.85	1.33	1.35	2.52	0.03	0.22	1.55	4.29	6.45	92.4	0	85	
NO3-	1.01	0.77	0.73	2.45	0.09	0.10	0.77	2.44	3.72	92.4	4	85	
NO2	6.96	2.90	6.39	1.52	1.83	3.05	6.56	12.36	15.25	96.7	0	89	
SO4--	1.18	0.84	0.87	2.41	0.13	0.13	0.96	2.55	3.99	92.4	5	85	
SO2	1.33	1.13	1.19	1.91	0.00	0.00	1.00	3.01	5.01	96.7	12	89	

NL0010R VREEDEPEEL NETHERLANDS

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	16.21	10.00	12.87	2.12	1.59	3.38	15.92	34.12	45.19	75.8	0	69	
NH4+	1.48	1.47	0.99	2.62	0.07	0.14	1.15	3.83	9.77	82.4	0	75	
NO3-	0.89	0.97	0.60	2.53	0.09	0.09	0.71	2.19	6.90	82.4	4	75	
NO2	9.36	4.25	8.45	1.61	1.52	3.49	9.15	14.54	32.02	97.8	0	89	
SO4--	0.94	0.81	0.65	2.46	0.13	0.14	0.68	2.67	3.86	82.4	3	75	
SO2	2.29	1.76	1.84	2.00	0.00	0.00	2.00	5.74	9.02	100.0	5	91	

NO0001R BIRKENES NORWAY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.92	1.45	0.51	2.88	0.04	0.09	0.53	3.09	11.51	100.0	0	90	
SO4--	0.37	0.37	0.21	3.26	0.01	0.02	0.23	1.19	1.80	94.4	0	85	
SO2	0.23	0.42	0.07	4.91	0.01	0.01	0.06	1.24	1.99	94.4	11	85	
NH3+NH4+	0.25	0.34	0.14	2.76	0.03	0.03	0.12	0.82	2.30	94.4	0	85	
HNO3+NO3	0.21	0.26	0.13	2.49	0.02	0.03	0.11	0.62	1.96	94.4	0	85	

NO0001R BIRKENES NORWAY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.44	0.48	0.31	2.16	0.06	0.09	0.28	1.01	3.72	100.0	0	92	
SO4--	0.42	0.44	0.26	2.67	0.02	0.05	0.25	1.43	2.13	100.0	0	92	
SO2	0.20	0.27	0.09	4.14	0.01	0.01	0.10	0.64	1.33	100.0	16	92	
NH3+NH4+	0.39	0.45	0.25	2.53	0.04	0.06	0.23	1.32	2.32	100.0	0	92	
HNO3+NO3	0.22	0.27	0.14	2.49	0.02	0.04	0.12	0.90	1.26	100.0	0	92	

NO0001R BIRKENES NORWAY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.57	0.31	0.46	2.15	0.01	0.14	0.53	1.14	1.38	100.0	2	92	
SO4--	0.83	0.77	0.59	2.41	0.08	0.10	0.64	2.12	5.25	95.7	0	88	
SO2	0.29	0.28	0.19	2.81	0.01	0.03	0.20	0.80	1.62	96.7	3	89	
NH3+NH4+	0.87	0.78	0.66	2.05	0.21	0.22	0.66	2.16	5.49	96.7	0	89	
HNO3+NO3	0.28	0.23	0.22	1.97	0.05	0.07	0.21	0.67	1.71	95.7	0	88	

NO0001R BIRKENES NORWAY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.63	0.59	0.40	2.80	0.04	0.06	0.43	1.86	2.92	100.0	0	91	
SO4--	0.44	0.41	0.21	4.18	0.00	0.02	0.26	1.17	1.44	100.0	2	91	
SO2	0.13	0.19	0.06	3.74	0.01	0.01	0.06	0.41	1.45	100.0	23	91	
NH3+NH4+	0.56	0.49	0.39	2.99	0.00	0.00	0.44	1.58	1.96	100.0	5	91	
HNO3+NO3	0.21	0.28	0.10	3.32	0.02	0.02	0.10	0.82	1.45	100.0	0	91	

NO0008R SKREAADALEN NORWAY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.62	1.05	0.32	2.84	0.01	0.06	0.32	2.72	7.05	100.0	1	90	
SO4--	0.25	0.23	0.16	2.74	0.01	0.03	0.17	0.74	1.16	100.0	0	90	
SO2	0.15	0.34	0.04	4.78	0.01	0.01	0.01	0.82	1.72	98.9	28	89	
NH3+NH4+	1.11	0.55	0.97	1.78	0.08	0.32	1.03	2.00	3.55	100.0	0	90	
HNO3+NO3	0.13	0.14	0.09	2.19	0.02	0.03	0.08	0.33	1.05	98.9	0	89	

NO0008R SKREAADALEN NORWAY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.33	0.30	0.27	1.88	0.04	0.08	0.25	0.67	2.54	100.0	0	92	
SO4--	0.38	0.47	0.22	3.23	0.00	0.01	0.24	1.39	3.24	98.9	4	91	
SO2	0.12	0.28	0.04	3.95	0.01	0.01	0.03	0.55	1.67	98.9	37	91	
NH3+NH4+	1.66	1.16	1.27	2.43	0.03	0.17	1.48	3.89	7.19	98.9	0	91	
HNO3+NO3	0.19	0.24	0.12	2.64	0.01	0.02	0.11	0.58	1.66	98.9	0	91	

NO0008R SKREAADALEN NORWAY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.56	0.26	0.51	1.61	0.11	0.21	0.56	0.90	2.03	100.0	0	92	
SO4--	0.72	0.60	0.50	2.57	0.01	0.13	0.50	1.89	2.81	94.6	0	87	
SO2	0.14	0.23	0.06	3.72	0.01	0.01	0.05	0.62	1.27	97.8	20	90	
NH3+NH4+	1.85	0.80	1.63	1.84	0.03	0.75	1.71	3.31	3.97	97.8	0	90	
HNO3+NO3	0.25	0.18	0.20	1.97	0.04	0.07	0.20	0.60	0.96	94.6	0	87	

NO0008R SKREAADALEN NORWAY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.42	0.37	0.32	2.06	0.07	0.10	0.28	1.17	1.84	100.0	0	91	
SO4--	0.32	0.34	0.17	3.65	0.00	0.02	0.18	1.01	1.54	100.0	3	91	
SO2	0.09	0.14	0.03	3.67	0.01	0.01	0.03	0.34	0.96	100.0	40	91	
NH3+NH4+	0.97	0.51	0.83	1.89	0.03	0.28	0.83	1.85	2.72	100.0	0	91	
HNO3+NO3	0.16	0.21	0.09	2.80	0.02	0.02	0.08	0.55	1.53	100.0	0	91	

NO0015R TUSTERVATN NORWAY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.15	0.19	0.09	2.79	0.01	0.01	0.11	0.37	1.42	100.0	13	90	
SO4--	0.18	0.18	0.12	2.82	0.00	0.01	0.12	0.55	0.87	100.0	1	90	
SO2	0.14	0.27	0.03	4.74	0.01	0.01	0.01	0.82	1.26	100.0	31	90	
NH3+NH4+	0.70	0.63	0.50	2.31	0.13	0.13	0.51	1.70	4.02	100.0	0	90	
HNO3+NO3	0.08	0.07	0.06	1.98	0.02	0.02	0.06	0.19	0.55	100.0	0	90	

NO0015R TUSTERVATN NORWAY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.14	0.10	0.12	1.83	0.04	0.04	0.11	0.34	0.72	98.9	0	91	
SO4--	0.24	0.22	0.17	2.49	0.00	0.02	0.18	0.72	1.21	100.0	1	92	
SO2	0.07	0.13	0.03	3.17	0.01	0.01	0.03	0.33	0.72	100.0	41	92	
NH3+NH4+	1.44	1.37	0.97	2.44	0.12	0.25	0.99	4.27	6.53	100.0	0	92	
HNO3+NO3	0.05	0.03	0.05	1.73	0.01	0.02	0.04	0.10	0.13	100.0	0	92	

NO0015R TUSTERVATN NORWAY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.22	0.16	0.17	2.00	0.01	0.06	0.17	0.49	0.97	98.9	1	91	
SO4--	0.44	0.43	0.32	2.12	0.05	0.09	0.30	1.28	2.70	96.7	0	89	
SO2	0.06	0.06	0.04	2.61	0.01	0.01	0.05	0.20	0.29	98.9	21	91	
NH3+NH4+	1.89	1.77	1.45	2.00	0.32	0.49	1.29	4.66	12.16	98.9	0	91	
HNO3+NO3	0.10	0.08	0.08	1.96	0.02	0.03	0.07	0.27	0.56	96.7	0	89	

NO0015R TUSTERVATN NORWAY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.15	0.09	0.13	1.82	0.01	0.04	0.13	0.31	0.52	98.9	1	90	
SO4--	0.19	0.18	0.11	3.16	0.00	0.01	0.12	0.57	0.76	100.0	4	91	
SO2	0.07	0.17	0.02	3.31	0.01	0.01	0.01	0.47	1.02	100.0	50	91	
NH3+NH4+	0.62	0.55	0.45	2.27	0.06	0.11	0.46	1.53	3.43	100.0	0	91	
HNO3+NO3	0.07	0.06	0.05	2.18	0.02	0.02	0.04	0.16	0.35	100.0	0	91	

NO0039R KAARVATN NORWAY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.23	0.30	0.12	3.27	0.01	0.01	0.15	0.69	2.05	100.0	14	90	
SO4--	0.11	0.12	0.06	3.23	0.00	0.00	0.06	0.41	0.62	100.0	0	90	
SO2	0.09	0.28	0.02	3.69	0.01	0.01	0.01	0.34	2.06	100.0	39	90	
NH3+NH4+	0.14	0.09	0.11	1.81	0.03	0.05	0.10	0.34	0.44	100.0	0	90	
HNO3+NO3	0.06	0.06	0.05	1.97	0.01	0.02	0.04	0.14	0.48	100.0	0	90	

NO0039R KAARVATN NORWAY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.16	0.10	0.14	1.79	0.03	0.05	0.14	0.36	0.59	100.0	0	92	
SO4--	0.18	0.15	0.13	2.47	0.00	0.02	0.13	0.46	0.88	100.0	1	92	
SO2	0.02	0.02	0.02	2.09	0.01	0.01	0.01	0.08	0.11	100.0	58	92	
NH3+NH4+	0.23	0.16	0.18	1.91	0.04	0.08	0.16	0.56	0.75	100.0	0	92	
HNO3+NO3	0.05	0.04	0.04	1.84	0.01	0.02	0.04	0.11	0.25	100.0	0	92	

NO0039R KAARVATN NORWAY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.36	0.18	0.29	2.34	0.01	0.03	0.35	0.65	0.76	100.0	3	92	
SO4--	0.46	0.54	0.24	3.93	0.00	0.00	0.26	1.51	3.03	98.9	6	91	
SO2	0.05	0.06	0.04	2.46	0.01	0.01	0.04	0.14	0.47	98.9	23	91	
NH3+NH4+	1.35	0.88	0.95	2.91	0.02	0.06	1.12	2.89	4.10	97.8	0	90	
HNO3+NO3	0.12	0.12	0.09	2.29	0.01	0.02	0.09	0.31	0.92	98.9	0	91	

NO0039R KAARVATN NORWAY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.21	0.14	0.16	2.08	0.01	0.05	0.17	0.47	0.74	100.0	2	91	
SO4--	0.12	0.16	0.06	3.80	0.00	0.00	0.06	0.38	0.85	100.0	12	91	
SO2	0.02	0.02	0.02	2.05	0.00	0.01	0.01	0.06	0.16	100.0	58	91	
NH3+NH4+	0.29	0.31	0.19	2.64	0.02	0.03	0.17	0.89	1.51	100.0	0	91	
HNO3+NO3	0.05	0.04	0.04	2.02	0.01	0.01	0.03	0.11	0.16	100.0	0	91	

NO0041R OSEN NORWAY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.77	1.12	0.51	2.46	0.04	0.09	0.52	1.69	9.53	100.0	0	90	
SO4--	0.19	0.19	0.10	3.42	0.00	0.01	0.10	0.58	0.80	98.9	2	89	
SO2	0.14	0.43	0.04	3.82	0.01	0.01	0.04	0.44	3.15	98.9	19	89	
NH3+NH4+	0.17	0.13	0.13	2.00	0.03	0.04	0.13	0.42	0.61	98.9	0	89	
HNO3+NO3	0.10	0.08	0.08	2.17	0.01	0.02	0.06	0.27	0.36	98.9	0	89	

NO0041R OSEN NORWAY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.43	0.31	0.35	1.95	0.08	0.11	0.32	1.10	1.39	98.9	0	91	
SO4--	0.24	0.27	0.14	3.07	0.00	0.01	0.16	0.80	1.64	97.8	1	90	
SO2	0.05	0.09	0.03	2.98	0.01	0.01	0.02	0.21	0.64	98.9	42	91	
NH3+NH4+	0.28	0.20	0.24	1.75	0.09	0.11	0.21	0.79	1.22	98.9	0	91	
HNO3+NO3	0.08	0.09	0.05	2.51	0.01	0.02	0.05	0.25	0.51	97.8	0	90	

NO0041R OSEN NORWAY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.24	0.14	0.21	1.73	0.07	0.09	0.20	0.59	0.72	100.0	0	92	
SO4--	0.47	0.43	0.32	2.62	0.01	0.06	0.31	1.43	2.18	97.8	0	90	
SO2	0.08	0.10	0.05	2.77	0.01	0.01	0.05	0.28	0.61	97.8	16	90	
NH3+NH4+	0.53	0.35	0.44	1.79	0.16	0.17	0.40	1.35	1.84	95.7	0	88	
HNO3+NO3	0.12	0.09	0.08	2.48	0.01	0.01	0.11	0.32	0.47	97.8	0	90	

NO0041R OSEN NORWAY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.36	0.26	0.28	2.12	0.03	0.06	0.28	0.79	1.62	100.0	0	91	
SO4--	0.25	0.30	0.10	4.85	0.00	0.00	0.10	0.86	1.38	98.9	9	90	
SO2	0.04	0.07	0.02	2.77	0.01	0.01	0.02	0.17	0.41	98.9	44	90	
NH3+NH4+	0.37	0.49	0.19	3.27	0.02	0.03	0.20	1.36	2.73	98.9	0	90	
HNO3+NO3	0.09	0.10	0.05	2.49	0.01	0.02	0.05	0.32	0.58	98.9	0	90	

NO0042R SPITZBERGEN NORWAY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.24	0.19	0.18	2.26	0.01	0.04	0.20	0.71	0.92	100.0	0	90	
SO2	0.26	0.42	0.12	3.52	0.01	0.01	0.12	0.77	2.78	100.0	2	90	
NH3+NH4+	0.10	0.05	0.09	1.67	0.03	0.03	0.09	0.20	0.29	100.0	0	90	
HNO3+NO3	0.05	0.03	0.04	1.85	0.01	0.02	0.04	0.12	0.15	100.0	0	90	

NO0042R SPITZBERGEN NORWAY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.30	0.19	0.20	3.08	0.00	0.01	0.28	0.62	0.86	92.4	3	85	
SO2	0.11	0.15	0.05	3.79	0.01	0.01	0.04	0.48	0.63	92.4	33	85	
NH3+NH4+	0.15	0.12	0.13	1.89	0.03	0.03	0.13	0.26	0.90	92.4	0	85	
HNO3+NO3	0.06	0.10	0.05	1.97	0.02	0.02	0.04	0.11	0.73	92.4	0	85	

NO0042R SPITZBERGEN NORWAY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.16	0.38	0.07	3.67	0.00	0.00	0.07	0.47	3.33	98.9	6	91	
SO2	0.10	0.20	0.05	2.57	0.01	0.01	0.05	0.28	1.62	98.9	16	91	
NH3+NH4+	0.21	0.64	0.13	2.10	0.03	0.03	0.13	0.28	6.18	98.9	0	91	
HNO3+NO3	0.06	0.14	0.04	2.14	0.02	0.02	0.04	0.12	1.26	98.9	0	91	

NO0042R SPITZBERGEN NORWAY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.08	0.07	0.05	3.32	0.00	0.00	0.05	0.19	0.35	100.0	15	91	
SO2	0.07	0.10	0.04	2.28	0.01	0.01	0.04	0.18	0.68	100.0	19	91	
NH3+NH4+	0.07	0.04	0.06	1.78	0.03	0.03	0.06	0.15	0.23	100.0	0	91	
HNO3+NO3	0.09	0.06	0.07	2.03	0.02	0.02	0.06	0.20	0.23	100.0	0	91	

NO0055R KARASJOK NORWAY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.16	0.13	0.11	2.61	0.01	0.01	0.12	0.39	0.57	52.2	5	47	
SO4--	0.28	0.23	0.20	2.20	0.04	0.06	0.18	0.75	1.08	55.6	0	50	
SO2	0.65	1.44	0.15	5.39	0.01	0.01	0.13	2.45	7.02	55.6	5	50	
NH3+NH4+	0.11	0.09	0.08	2.26	0.01	0.01	0.08	0.32	0.40	55.6	0	50	
HNO3+NO3	0.06	0.04	0.05	1.71	0.02	0.02	0.05	0.14	0.20	55.6	0	50	

NO0055R KARASJOK NORWAY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.16	0.14	0.12	2.12	0.01	0.04	0.11	0.50	0.87	100.0	2	92	
SO4--	0.47	0.47	0.30	2.65	0.05	0.06	0.32	1.34	2.49	94.6	0	87	
SO2	0.61	1.47	0.08	7.88	0.01	0.01	0.05	2.83	8.88	94.6	31	87	
NH3+NH4+	0.16	0.18	0.13	2.30	0.00	0.00	0.10	0.43	0.94	94.6	5	87	
HNO3+NO3	0.05	0.03	0.05	1.74	0.02	0.02	0.04	0.11	0.14	94.6	0	87	

NO0055R KARASJOK NORWAY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.23	0.15	0.19	1.88	0.04	0.06	0.19	0.48	0.78	100.0	0	92	
SO4--	0.32	0.30	0.21	2.53	0.02	0.05	0.25	1.02	1.38	92.4	0	85	
SO2	0.34	0.90	0.05	5.79	0.01	0.01	0.03	1.41	5.05	92.4	32	85	
NH3+NH4+	0.18	0.21	0.16	2.72	0.00	0.00	0.12	0.69	1.02	92.4	9	85	
HNO3+NO3	0.07	0.04	0.06	1.88	0.02	0.02	0.05	0.17	0.18	92.4	0	85	

NO0055R KARASJOK NORWAY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
Q NO2	0.25	0.16	0.19	2.25	0.01	0.02	0.21	0.57	0.83	100.0	4	91	
SO4--	0.25	0.28	0.14	3.05	0.00	0.03	0.15	0.79	1.66	100.0	1	91	
SO2	0.39	1.53	0.06	5.15	0.01	0.01	0.04	1.34	11.12	92.3	23	84	
NH3+NH4+	0.17	0.21	0.23	2.71	0.00	0.00	0.10	0.56	1.18	100.0	22	91	
HNO3+NO3	0.08	0.09	0.06	2.09	0.02	0.02	0.05	0.26	0.58	92.3	0	84	

PL0002R JARCZEW POLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	2.62	1.65	2.17	1.95	0.10	0.82	2.30	5.60	10.59	100.0	0	90	
NO3-	0.98	0.66	0.78	2.02	0.11	0.23	0.79	2.27	3.28	100.0	0	90	
NO2	4.79	2.88	4.08	1.76	1.20	1.40	3.90	9.60	17.80	100.0	0	90	
SO4--	2.79	1.45	2.46	1.67	0.51	0.95	2.49	5.39	8.24	100.0	0	90	
SO2	6.61	4.41	5.42	1.88	1.40	1.90	5.40	15.45	20.50	100.0	0	90	
NH3+NH4+	3.01	1.88	2.54	1.80	0.48	1.10	2.59	7.57	9.78	100.0	0	90	
HNO3+NO3	1.15	0.58	0.99	1.79	0.16	0.32	1.09	2.23	2.65	100.0	0	90	

PL0002R JARCZEW POLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.37	1.11	0.93	2.69	0.05	0.10	1.09	3.77	4.84	98.9	0	91	
NO3-	0.79	0.75	0.55	2.43	0.07	0.12	0.58	1.87	3.73	98.9	0	91	
NO2	2.35	1.07	2.14	1.54	0.70	1.01	2.15	4.14	7.30	98.9	0	91	
SO4--	2.59	1.34	2.31	1.65	0.40	0.81	2.35	4.62	9.91	98.9	0	91	
SO2	2.82	1.78	2.32	1.92	0.30	0.70	2.25	5.69	9.50	98.9	0	91	
NH3+NH4+	3.84	2.64	3.12	1.90	1.03	1.13	3.03	9.54	12.94	98.9	0	91	
HNO3+NO3	1.02	0.77	0.80	2.03	0.14	0.26	0.81	2.14	3.94	98.9	0	91	

PL0002R JARCZEW POLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.28	0.92	1.00	2.09	0.07	0.31	1.10	3.16	4.64	98.9	0	91	
NO3-	0.31	0.20	0.25	1.94	0.04	0.08	0.25	0.67	1.30	98.9	0	91	
NO2	2.27	0.83	2.11	1.50	0.70	0.90	2.20	3.75	4.30	97.8	0	90	
SO4--	1.93	0.97	1.68	1.75	0.43	0.56	1.81	3.95	4.31	98.9	0	91	
SO2	1.38	1.11	0.98	2.43	0.10	0.20	1.10	3.60	6.10	98.9	0	91	
NH3+NH4+	3.09	2.11	2.67	1.65	0.89	1.28	2.48	5.96	12.17	98.9	0	91	
HNO3+NO3	0.41	0.26	0.34	1.87	0.04	0.13	0.34	0.92	1.46	98.9	0	91	

PL0002R JARCZEW POLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.53	0.96	1.25	1.95	0.15	0.38	1.36	3.16	5.11	98.9	0	90	
NO3-	0.67	0.40	0.55	1.91	0.12	0.16	0.55	1.40	1.71	98.9	0	90	
NO2	2.90	1.13	2.69	1.49	1.00	1.22	2.80	5.24	6.10	92.3	0	84	
SO4--	1.96	1.08	1.65	1.88	0.19	0.44	1.81	3.73	5.66	98.9	0	90	
SO2	2.62	1.64	2.10	2.09	0.10	0.65	2.30	5.25	8.00	98.9	0	90	
NH3+NH4+	3.53	1.54	3.22	1.55	1.19	1.46	3.27	6.71	8.32	98.9	0	90	
HNO3+NO3	0.74	0.43	0.62	1.86	0.14	0.20	0.65	1.57	2.00	98.9	0	90	

PL0003R SNIEZKA POLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.27	0.36	1.98	0.03	0.09	0.40	0.91	1.56	100.0	0	90	
NO3-	0.12	0.10	0.09	2.07	0.01	0.03	0.09	0.25	0.62	100.0	0	90	
NO2	1.16	1.00	0.76	2.71	0.10	0.10	0.80	2.85	4.90	100.0	0	90	
SO4--	0.64	0.34	0.55	1.88	0.05	0.17	0.61	1.27	1.62	100.0	0	90	
SO2	0.87	0.69	0.65	2.23	0.10	0.20	0.70	2.05	4.30	100.0	0	90	
NH3+NH4+	1.46	0.92	1.27	1.66	0.39	0.62	1.18	3.34	5.52	100.0	0	90	
HNO3+NO3	0.21	0.18	0.17	1.78	0.04	0.07	0.17	0.50	1.13	100.0	0	90	

PL0003R SNIEZKA POLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.83	0.64	0.59	2.46	0.06	0.08	0.60	2.06	3.48	100.0	0	92	
NO3-	0.34	0.36	0.21	2.57	0.04	0.06	0.18	1.13	1.70	100.0	0	92	
NO2	1.26	0.47	1.18	1.44	0.50	0.66	1.20	2.14	2.80	100.0	0	92	
SO4--	0.79	0.62	0.59	2.22	0.10	0.15	0.66	1.91	3.49	100.0	0	92	
SO2	1.24	0.96	0.93	2.22	0.20	0.20	1.10	3.22	5.30	100.0	0	92	
NH3+NH4+	1.93	1.25	1.62	1.80	0.50	0.65	1.45	4.57	5.57	100.0	0	92	
HNO3+NO3	0.50	0.48	0.34	2.40	0.07	0.09	0.34	1.55	2.20	100.0	0	92	

PL0003R SNIEZKA POLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.91	0.55	0.78	1.73	0.24	0.31	0.76	1.79	3.15	96.7	0	89	
NO3-	0.22	0.16	0.16	2.31	0.02	0.03	0.19	0.50	0.85	96.7	0	89	
NO2	0.93	0.28	0.89	1.32	0.50	0.60	0.90	1.46	1.80	96.7	0	89	
SO4--	1.03	0.64	0.82	2.14	0.05	0.19	0.94	2.43	2.91	96.7	0	89	
SO2	1.09	0.73	0.87	2.05	0.20	0.20	0.95	2.70	3.10	96.7	0	89	
NH3+NH4+	3.09	1.57	2.75	1.61	1.00	1.29	2.53	6.02	7.99	96.7	0	89	
HNO3+NO3	0.33	0.19	0.27	2.15	0.02	0.05	0.31	0.67	1.00	96.7	0	89	

PL0003R SNIEZKA POLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.57	0.56	0.39	2.54	0.03	0.05	0.43	1.34	3.02	100.0	0	91	
NO3-	0.18	0.17	0.11	2.94	0.01	0.02	0.11	0.49	0.78	100.0	0	91	
NO2	1.09	0.47	0.98	1.59	0.20	0.46	1.00	2.05	2.20	100.0	0	91	
SO4--	0.62	0.60	0.43	2.39	0.05	0.10	0.41	1.71	3.40	100.0	0	91	
SO2	1.30	0.65	1.10	1.89	0.20	0.25	1.20	2.40	2.90	100.0	0	91	
NH3+NH4+	1.50	1.26	1.05	2.46	0.11	0.19	1.10	4.00	5.90	100.0	0	91	
HNO3+NO3	0.28	0.28	0.18	2.72	0.03	0.04	0.19	0.80	1.34	100.0	0	91	

PL0004R LEBA POLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.13	0.75	0.88	2.14	0.11	0.21	0.97	2.56	3.45	100.0	0	90	
NO3-	0.67	0.53	0.48	2.38	0.06	0.09	0.49	1.78	2.28	100.0	0	90	
NO2	3.58	2.88	2.63	2.29	0.20	0.50	2.50	10.00	15.30	100.0	0	90	
SO4--	1.58	1.09	1.17	2.54	0.05	0.17	1.53	3.21	7.53	100.0	0	90	
SO2	3.05	3.47	1.69	3.29	0.10	0.20	1.70	9.15	19.70	100.0	0	90	
NH3+NH4+	1.31	0.82	1.02	2.19	0.12	0.22	1.23	2.71	3.59	100.0	0	90	
HNO3+NO3	0.96	0.64	0.75	2.10	0.12	0.19	0.74	2.24	2.79	100.0	0	90	

PL0004R LEBA POLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.99	1.09	0.67	2.36	0.06	0.23	0.62	2.87	6.03	100.0	0	92	
NO3-	0.58	0.68	0.33	3.18	0.01	0.04	0.32	2.21	2.96	100.0	0	92	
NO2	1.21	0.69	1.03	1.77	0.30	0.35	1.10	2.35	4.10	98.9	0	91	
SO4--	1.49	0.82	1.20	2.15	0.10	0.26	1.35	2.83	4.31	100.0	0	92	
SO2	1.42	0.84	1.15	2.05	0.20	0.26	1.40	2.90	4.10	100.0	0	92	
NH3+NH4+	1.19	1.08	0.91	2.08	0.06	0.31	0.89	2.96	6.91	100.0	0	92	
HNO3+NO3	0.68	0.67	0.46	2.40	0.08	0.10	0.40	2.27	2.83	100.0	0	92	

PL0004R LEBA POLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	1.09	0.53	0.97	1.66	0.20	0.39	0.97	2.21	2.60	100.0	0	92	
NO3-	0.37	0.16	0.34	1.51	0.10	0.20	0.33	0.63	0.90	100.0	0	92	
NO2	1.57	0.71	1.40	1.65	0.40	0.50	1.50	2.84	3.20	100.0	0	92	
SO4--	1.39	0.90	1.09	2.26	0.05	0.20	1.22	3.23	4.97	100.0	0	92	
SO2	1.39	0.86	1.07	2.34	0.10	0.16	1.30	3.04	3.90	100.0	0	92	
NH3+NH4+	2.28	1.20	2.00	1.69	0.61	0.78	2.00	4.49	6.00	100.0	0	92	
HNO3+NO3	0.49	0.20	0.45	1.48	0.16	0.26	0.44	0.86	1.17	100.0	0	92	

PL0004R LEBA POLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.96	0.80	0.65	2.71	0.03	0.11	0.77	2.26	4.63	93.4	0	85	
NO3-	0.43	0.38	0.26	3.22	0.01	0.01	0.30	1.14	1.88	93.4	0	85	
NO2	1.73	1.33	1.34	2.02	0.30	0.54	1.00	4.52	6.50	96.7	0	88	
SO4--	0.75	0.57	0.53	2.55	0.05	0.05	0.66	1.88	2.83	93.4	0	85	
SO2	1.25	1.19	0.79	2.77	0.10	0.12	0.80	3.50	6.50	93.4	0	85	
NH3+NH4+	1.47	1.03	1.13	2.28	0.03	0.36	1.18	3.44	4.92	97.8	0	89	
HNO3+NO3	0.48	0.42	0.29	3.22	0.01	0.02	0.38	1.39	2.26	97.8	0	89	

PL0005R DIABLA GORA POLAND

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.37	1.83	1.71	2.50	0.07	0.25	1.78	6.03	8.98	97.8	6	88	
SO4--	1.80	1.18	1.46	1.98	0.23	0.43	1.44	3.77	5.95	96.7	0	87	
SO2	3.76	3.24	2.48	2.72	0.13	0.55	2.69	10.65	13.12	97.8	0	88	
NH3+NH4+	1.35	0.89	0.99	2.67	0.01	0.13	1.13	3.08	4.24	100.0	2	90	
HNO3+NO3	1.07	0.78	0.81	2.17	0.10	0.18	0.79	2.58	3.86	96.7	0	87	

PL0005R DIABLA GORA POLAND

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.62	0.52	0.41	2.91	0.03	0.04	0.52	1.59	2.86	98.9	7	91	
SO4--	1.11	1.04	0.80	2.20	0.15	0.26	0.76	3.14	6.65	100.0	0	92	
SO2	1.03	1.21	0.58	3.10	0.08	0.09	0.66	3.67	7.07	100.0	1	92	
NH3+NH4+	1.28	1.31	0.92	2.24	0.13	0.21	0.92	3.04	7.81	100.0	0	92	
HNO3+NO3	0.65	0.76	0.45	2.20	0.12	0.15	0.37	1.82	4.65	100.0	0	92	

PL0005R DIABLA GORA POLAND

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.47	0.29	0.36	2.49	0.02	0.03	0.45	0.94	1.66	100.0	6	92	
SO4--	0.68	0.45	0.51	2.29	0.04	0.10	0.63	1.46	1.72	98.9	1	91	
SO2	0.27	0.22	0.22	1.98	0.05	0.09	0.22	0.64	1.57	98.9	3	91	
NH3+NH4+	1.13	0.56	0.99	1.74	0.16	0.33	1.08	2.23	3.09	100.0	0	92	
HNO3+NO3	0.30	0.14	0.27	1.57	0.11	0.12	0.28	0.53	0.91	95.7	0	88	

PL0005R DIABLA GORA POLAND

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.98	0.88	0.62	3.10	0.03	0.04	0.72	2.83	4.08	94.5	7	86	
SO4--	1.17	0.95	0.81	2.51	0.05	0.15	0.92	3.02	4.55	97.8	1	89	
SO2	0.88	1.33	0.43	3.42	0.05	0.05	0.53	2.76	9.90	98.9	9	90	
NH3+NH4+	1.53	0.97	1.15	2.62	0.01	0.20	1.35	3.14	5.23	100.0	1	91	
HNO3+NO3	0.56	0.41	0.42	2.23	0.06	0.09	0.44	1.24	2.16	97.8	4	89	

RU0001R JANISKOSKI RUSSIAN FEDERATION

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.21	0.13	0.20	1.83	0.00	0.00	0.17	0.43	0.44	21.1	5	19	
NO3-	0.07	0.05	0.07	2.02	0.00	0.00	0.05	0.17	0.18	21.1	1	19	
NO2	0.00	0.02	0.89	1.67	0.00	0.00	0.00	0.00	0.10	21.1	19	19	
SO4--	0.41	0.32	0.27	3.05	0.02	0.02	0.32	0.83	1.12	21.1	1	19	
SO2	0.73	0.92	0.75	2.54	0.00	0.00	0.20	2.24	3.00	21.1	7	19	
NH3+NH4+	0.12	0.05	0.11	1.57	0.03	0.03	0.12	0.17	0.19	21.1	8	19	

RU0001R JANISKOSKI RUSSIAN FEDERATION

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.15	0.13	0.16	2.17	0.00	0.00	0.11	0.38	0.54	54.3	22	50	
NO3-	0.02	0.01	0.03	1.70	0.00	0.00	0.02	0.05	0.07	54.3	11	50	
NO2	0.06	0.11	0.54	2.18	0.00	0.00	0.00	0.30	0.40	54.3	45	50	
SO4--	0.39	0.45	0.22	3.30	0.00	0.02	0.16	1.27	1.86	54.3	3	50	
SO2	1.11	2.16	0.82	3.22	0.00	0.00	0.10	5.70	9.30	54.3	28	50	
NH3+NH4+	0.10	0.05	0.09	1.64	0.03	0.04	0.10	0.16	0.27	54.3	29	50	

RU0001R JANISKOSKI RUSSIAN FEDERATION

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.22	0.18	0.20	1.97	0.00	0.00	0.17	0.60	0.82	77.2	19	71	
NO3-	0.05	0.04	0.04	2.10	0.00	0.01	0.04	0.12	0.20	77.2	10	71	
NO2	0.02	0.05	0.67	2.18	0.00	0.00	0.00	0.10	0.20	77.2	71	71	
SO4--	0.47	0.44	0.33	2.74	0.00	0.02	0.31	1.44	1.55	77.2	5	71	
SO2	2.44	4.59	0.85	4.77	0.00	0.00	0.30	12.89	20.90	77.2	28	71	
NH3+NH4+	0.28	0.40	0.19	2.31	0.03	0.04	0.19	0.73	3.19	77.2	16	71	

RU0013R PINEGA RUSSIAN FEDERATION

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.39	0.31	0.27	3.03	0.00	0.02	0.29	0.79	1.90	54.4	13	49	
NO3-	0.04	0.03	0.03	2.37	0.00	0.00	0.03	0.10	0.14	54.4	15	49	
NO2	0.20	0.37	0.17	4.14	0.00	0.00	0.10	1.23	1.60	46.7	21	42	
SO4--	0.47	0.32	0.37	2.33	0.01	0.08	0.39	0.92	1.91	54.4	0	49	
SO2	0.38	0.42	0.23	3.39	0.00	0.00	0.20	1.20	1.70	54.4	9	49	

RU0013R PINEGA RUSSIAN FEDERATION

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.45	0.35	0.34	2.22	0.06	0.07	0.35	1.01	1.70	73.9	21	68	
NO3-	0.03	0.02	0.03	1.91	0.00	0.00	0.02	0.06	0.08	73.9	52	68	
NO2	0.08	0.14	0.43	2.24	0.00	0.00	0.00	0.23	0.70	58.7	51	54	
SO4--	0.66	0.45	0.52	2.13	0.03	0.12	0.52	1.37	2.06	73.9	1	68	
SO2	0.42	0.46	0.32	2.23	0.00	0.04	0.30	1.66	1.90	73.9	15	68	

RU0013R PINEGA RUSSIAN FEDERATION

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.19	0.17	0.23	2.19	0.00	0.00	0.14	0.52	0.73	84.8	59	78	
NO3-	0.03	0.04	0.03	2.15	0.00	0.00	0.02	0.06	0.29	84.8	67	78	
NO2	0.04	0.06	0.44	2.36	0.00	0.00	0.00	0.19	0.20	89.1	82	82	
SO4--	0.25	0.23	0.18	2.45	0.01	0.03	0.19	0.57	1.66	84.8	16	78	
SO2	0.16	0.17	0.25	1.91	0.00	0.00	0.10	0.50	0.70	84.8	49	78	

RU0013R PINEGA RUSSIAN FEDERATION

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.25	0.18	0.26	1.99	0.00	0.00	0.20	0.49	0.70	51.6	26	47	
NO3-	0.02	0.02	0.02	2.00	0.00	0.00	0.01	0.06	0.07	51.6	37	47	
NO2	0.09	0.11	0.40	2.09	0.00	0.00	0.00	0.30	0.40	48.4	40	44	
SO4--	0.30	0.18	0.23	2.25	0.01	0.05	0.27	0.58	0.81	51.6	5	47	
SO2	0.14	0.11	0.20	1.73	0.00	0.00	0.10	0.40	0.40	50.5	30	46	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.34	0.32	0.25	2.97	0.00	0.00	0.24	0.90	2.04	98.9	17	89	
NO3-	0.17	0.14	0.14	1.88	0.03	0.05	0.13	0.35	0.97	98.9	0	89	
NO2	1.10	0.87	0.86	1.99	0.10	0.30	0.80	2.72	5.20	98.9	2	89	
SO4--	0.59	0.53	0.43	2.23	0.05	0.11	0.43	1.38	3.20	98.9	0	89	
SO2	1.95	1.55	1.33	2.66	0.10	0.20	1.45	5.10	6.60	98.9	2	89	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.36	0.29	0.30	2.22	0.00	0.00	0.31	0.87	1.44	83.7	24	77	
NO3-	0.19	0.16	0.15	2.02	0.00	0.05	0.13	0.55	0.66	83.7	1	77	
NO2	0.85	0.61	0.70	1.91	0.00	0.19	0.70	2.01	3.70	84.8	3	78	
SO4--	0.60	0.46	0.42	2.64	0.01	0.06	0.42	1.34	2.61	83.7	4	77	
SO2	1.07	0.89	0.79	2.27	0.10	0.20	0.80	2.79	4.50	83.7	7	77	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.41	0.32	0.37	2.17	0.00	0.00	0.35	1.02	1.44	97.8	20	90	
NO3-	0.18	0.12	0.16	1.79	0.03	0.05	0.15	0.36	0.83	97.8	1	90	
NO2	0.77	0.52	0.63	1.92	0.10	0.20	0.70	1.94	2.90	100.0	7	92	
SO4--	0.51	0.33	0.42	1.91	0.06	0.14	0.39	1.18	1.63	97.8	2	90	
SO2	0.80	0.47	0.68	1.80	0.20	0.30	0.70	1.65	2.30	97.8	3	90	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH4+	0.29	0.25	0.23	2.40	0.00	0.01	0.20	0.78	1.06	50.5	21	46	
NO3-	0.13	0.11	0.10	2.24	0.00	0.01	0.08	0.37	0.46	50.5	4	46	
NO2	0.59	0.43	0.47	1.98	0.10	0.10	0.40	1.57	1.80	50.5	5	46	
SO4--	0.36	0.27	0.30	2.17	0.00	0.04	0.31	0.75	1.41	50.5	3	46	
SO2	0.62	0.44	0.50	1.98	0.10	0.20	0.50	1.27	2.40	50.5	8	46	

SE0002F RORVIK SWEDEN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.63	3.22	2.83	1.99	0.77	0.83	2.42	9.07	24.10	98.9	0	89	
SO4--	0.75	0.53	0.61	2.02	0.09	0.16	0.71	1.36	3.28	100.0	0	90	
SO2	1.00	1.11	0.72	2.15	0.15	0.20	0.67	2.46	7.24	100.0	0	90	
NH3+NH4+	0.84	0.67	0.63	2.18	0.08	0.14	0.61	2.32	2.92	100.0	9	90	
HNO3+NO3	0.62	0.47	0.48	2.13	0.07	0.12	0.47	1.61	2.17	100.0	0	90	

SE0002F RORVIK SWEDEN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.51	1.01	1.25	1.82	0.34	0.50	1.19	3.10	5.48	100.0	0	92	
SO4--	0.63	0.50	0.48	2.15	0.09	0.15	0.51	1.34	3.24	100.0	0	92	
SO2	0.55	0.42	0.42	2.08	0.06	0.12	0.40	1.46	1.86	100.0	0	92	
NH3+NH4+	0.90	0.91	0.62	2.31	0.10	0.19	0.52	3.03	5.17	100.0	1	92	
HNO3+NO3	0.54	0.58	0.34	2.57	0.07	0.09	0.30	2.02	2.42	100.0	1	92	

SE0002F RORVIK SWEDEN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.21	0.60	1.08	1.60	0.46	0.53	1.03	2.31	3.56	98.9	0	91	
SO4--	0.88	0.57	0.72	1.91	0.13	0.22	0.69	1.99	2.68	97.8	0	90	
SO2	0.61	0.37	0.50	1.92	0.11	0.13	0.55	1.36	1.71	98.9	0	91	
NH3+NH4+	1.02	0.61	0.87	1.75	0.27	0.34	0.88	2.23	3.63	97.8	0	90	
HNO3+NO3	0.47	0.31	0.38	1.90	0.09	0.12	0.41	1.00	1.80	97.8	0	90	

SE0002F RORVIK SWEDEN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.77	1.18	1.40	2.06	0.24	0.34	1.38	4.12	5.35	100.0	0	91	
SO4--	0.65	0.54	0.38	3.59	0.01	0.03	0.48	1.66	2.35	96.7	0	88	
SO2	0.50	0.50	0.34	2.53	0.01	0.07	0.32	1.20	2.93	96.7	0	88	
NH3+NH4+	0.90	0.85	0.56	2.75	0.07	0.12	0.46	2.70	3.76	96.7	8	88	
HNO3+NO3	0.50	0.56	0.27	3.14	0.05	0.05	0.19	1.68	2.42	96.7	1	88	

SE0005F BREDKALEN SWEDEN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.24	0.16	0.18	2.20	0.04	0.04	0.19	0.58	0.78	100.0	5	90	
SO4--	0.16	0.16	0.11	2.56	0.00	0.02	0.10	0.48	0.71	100.0	1	90	
SO2	0.17	0.28	0.08	3.21	0.00	0.01	0.07	0.69	1.83	100.0	2	90	
NH3+NH4+	0.09	0.07	0.06	2.20	0.01	0.02	0.06	0.24	0.36	100.0	20	90	
HNO3+NO3	0.05	0.04	0.04	2.16	0.00	0.01	0.04	0.11	0.24	100.0	6	90	

SE0005F BREDKALEN SWEDEN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.13	0.09	0.11	1.93	0.04	0.04	0.11	0.33	0.39	100.0	19	92	
SO4--	0.22	0.22	0.15	2.45	0.02	0.04	0.12	0.70	1.02	98.9	0	91	
SO2	0.09	0.14	0.06	3.06	0.00	0.00	0.04	0.41	0.75	98.9	7	91	
NH3+NH4+	0.14	0.13	0.09	2.56	0.01	0.02	0.08	0.37	0.70	97.8	33	90	
HNO3+NO3	0.04	0.04	0.03	2.28	0.00	0.00	0.03	0.11	0.32	98.9	15	91	

SE0005F BREDKALEN SWEDEN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.14	0.06	0.13	1.56	0.04	0.04	0.13	0.24	0.30	98.9	6	91	
SO4--	0.37	0.35	0.28	2.13	0.00	0.08	0.25	1.12	1.84	97.8	1	90	
SO2	0.10	0.12	0.07	2.58	0.00	0.01	0.06	0.38	0.60	97.8	1	90	
NH3+NH4+	0.32	0.31	0.23	2.27	0.04	0.06	0.23	1.04	1.66	97.8	14	90	
HNO3+NO3	0.06	0.04	0.05	1.92	0.00	0.02	0.05	0.14	0.18	97.8	2	90	

SE0005F BREDKALEN SWEDEN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.17	0.15	0.13	2.25	0.04	0.04	0.14	0.39	0.96	97.8	23	89	
SO4--	0.17	0.21	0.10	3.39	0.00	0.01	0.08	0.60	0.90	100.0	3	91	
SO2	0.05	0.07	0.03	2.24	0.00	0.01	0.02	0.14	0.55	100.0	3	91	
NH3+NH4+	0.11	0.14	0.06	3.05	0.01	0.01	0.06	0.44	0.68	98.9	42	90	
HNO3+NO3	0.04	0.03	0.03	2.19	0.01	0.01	0.02	0.10	0.20	100.0	8	91	

SE0008F HOBURG SWEDEN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.03	2.55	1.32	2.37	0.31	0.38	1.35	5.37	16.72	98.9	0	89	
SO4--	0.61	0.52	0.40	2.79	0.00	0.06	0.47	1.53	2.56	98.9	1	89	
SO2	0.95	1.43	0.42	3.85	0.02	0.04	0.45	3.01	7.79	98.9	0	89	

SE0008F HOBURG SWEDEN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.09	0.72	0.87	2.02	0.11	0.31	0.93	2.30	3.35	100.0	1	92	
SO4--	0.44	0.28	0.36	2.02	0.00	0.10	0.37	0.94	1.28	98.9	1	91	
SO2	0.60	0.48	0.44	2.23	0.08	0.13	0.43	1.58	2.41	98.9	0	91	

SE0008F HOBURG SWEDEN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.70	0.34	0.62	1.64	0.18	0.28	0.61	1.37	1.68	97.8	0	90	
SO4--	0.71	0.46	0.56	2.21	0.02	0.12	0.64	1.54	2.72	100.0	0	92	
SO2	0.79	0.38	0.69	1.72	0.14	0.23	0.72	1.45	2.17	100.0	0	92	

SE0008F HOBURG SWEDEN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.87	0.96	0.58	2.36	0.03	0.21	0.50	3.19	4.84	97.8	1	89	
SO4--	0.63	0.58	0.37	3.27	0.00	0.04	0.47	1.51	2.82	100.0	1	91	
SO2	0.54	0.62	0.29	3.31	0.01	0.05	0.29	1.92	3.14	100.0	0	91	

SE0011F VAVIHILL SWEDEN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	4.07	3.61	2.90	2.34	0.50	0.67	3.26	10.42	19.59	100.0	0	90	
SO4--	0.79	0.55	0.62	2.14	0.07	0.13	0.70	1.89	3.35	100.0	0	90	
SO2	1.32	1.25	0.86	2.69	0.10	0.13	0.90	3.93	7.13	100.0	0	90	
NH3+NH4+	0.96	0.72	0.70	2.34	0.09	0.13	0.72	2.31	3.19	100.0	6	90	
HNO3+NO3	0.61	0.43	0.46	2.32	0.06	0.08	0.52	1.30	2.16	100.0	3	90	

SE0011F VAVIHILL SWEDEN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.48	1.10	1.17	1.97	0.33	0.39	1.13	3.92	5.68	100.0	0	92	
SO4--	0.63	0.45	0.48	2.23	0.02	0.14	0.49	1.44	2.46	100.0	0	92	
SO2	0.51	0.60	0.31	2.73	0.02	0.05	0.31	1.74	3.24	100.0	0	92	
NH3+NH4+	1.20	1.03	0.89	2.17	0.05	0.31	0.81	3.41	5.61	98.9	1	91	
HNO3+NO3	0.62	0.61	0.38	3.14	0.00	0.04	0.39	1.88	3.01	100.0	12	92	

SE0011F VAVIHILL SWEDEN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.08	0.47	0.99	1.56	0.34	0.43	1.05	2.01	2.49	100.0	0	92	
SO4--	0.97	0.60	0.83	1.75	0.23	0.35	0.77	2.22	2.62	98.9	0	91	
SO2	0.46	0.52	0.31	2.38	0.03	0.09	0.30	1.51	3.36	98.9	0	91	
NH3+NH4+	1.52	0.81	1.35	1.64	0.37	0.61	1.26	3.16	4.16	98.9	0	91	
HNO3+NO3	0.42	0.29	0.34	1.96	0.07	0.09	0.35	0.94	1.64	98.9	0	91	

SE0011F VAVIHILL SWEDEN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.78	1.37	1.40	1.96	0.42	0.56	1.25	4.16	7.29	98.9	0	90	
SO4--	0.68	0.58	0.44	2.85	0.00	0.06	0.47	1.75	2.70	97.8	1	89	
SO2	0.52	0.70	0.26	3.52	0.01	0.03	0.29	1.62	4.27	97.8	0	89	
NH3+NH4+	1.09	0.93	0.75	2.53	0.10	0.16	0.86	2.80	4.77	97.8	13	89	
HNO3+NO3	0.55	0.60	0.31	3.01	0.03	0.05	0.27	1.75	2.68	97.8	0	89	

SE0012F ASPVRETEN SWEDEN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.52	1.05	1.25	1.84	0.32	0.50	1.15	3.65	5.42	97.8	0	88	
SO4--	0.50	0.40	0.34	2.67	0.01	0.07	0.40	1.31	1.56	100.0	0	90	
SO2	0.53	0.54	0.33	2.75	0.06	0.06	0.29	1.82	2.41	98.9	0	89	
NH3+NH4+	0.43	0.39	0.28	2.55	0.04	0.05	0.33	1.20	1.75	98.9	16	89	
HNO3+NO3	0.28	0.24	0.22	2.10	0.02	0.08	0.20	0.78	1.32	98.9	0	89	

SE0012F ASPVRETEN SWEDEN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.63	0.30	0.57	1.59	0.20	0.26	0.55	1.22	1.74	100.0	0	92	
SO4--	0.43	0.38	0.30	2.50	0.03	0.06	0.29	1.10	2.28	100.0	0	92	
SO2	0.31	0.30	0.22	2.41	0.02	0.05	0.24	0.78	2.07	100.0	0	92	
NH3+NH4+	0.43	0.38	0.32	2.18	0.05	0.10	0.31	1.11	2.18	100.0	10	92	
HNO3+NO3	0.20	0.20	0.15	2.20	0.02	0.04	0.13	0.55	1.29	100.0	1	92	

SE0012F ASPVRETEN SWEDEN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.52	0.17	0.50	1.35	0.28	0.30	0.50	0.76	1.25	100.0	0	92	
SO4--	0.82	0.62	0.62	2.25	0.07	0.13	0.65	1.88	3.29	95.7	0	88	
SO2	0.37	0.29	0.26	2.46	0.01	0.04	0.27	0.90	1.47	95.7	0	88	
NH3+NH4+	0.70	0.53	0.54	2.10	0.09	0.17	0.53	1.67	3.03	95.7	4	88	
HNO3+NO3	0.26	0.13	0.23	1.72	0.05	0.06	0.24	0.52	0.62	95.7	2	88	

SE0012F ASPVRETEN SWEDEN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.89	0.60	0.75	1.80	0.23	0.31	0.68	2.10	3.47	100.0	0	91	
SO4--	0.49	0.50	0.29	3.52	0.00	0.00	0.31	1.52	2.19	100.0	5	91	
SO2	0.27	0.33	0.14	3.40	0.01	0.02	0.12	0.99	1.47	100.0	0	91	
NH3+NH4+	0.42	0.41	0.27	2.65	0.03	0.06	0.25	1.25	1.90	100.0	16	91	
HNO3+NO3	0.19	0.21	0.12	2.63	0.01	0.03	0.11	0.64	1.21	100.0	3	91	

SE0013F ESRANGE SWEDEN

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.20	0.12	0.17	1.79	0.04	0.06	0.16	0.46	0.69	100.0	1	90	
SO4--	0.15	0.21	0.10	2.81	0.00	0.00	0.08	0.59	1.17	100.0	4	90	
SO2	0.36	0.60	0.12	4.52	0.00	0.01	0.10	1.63	3.25	98.9	1	89	

SE0013F ESRANGE SWEDEN

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	0.19	0.36	0.13	2.13	0.04	0.04	0.12	0.33	2.82	66.3	9	61	
SO4--	0.23	0.26	0.17	2.68	0.00	0.00	0.13	0.79	1.21	98.9	5	91	
SO2	0.32	0.49	0.14	3.64	0.00	0.02	0.11	1.55	2.66	98.9	2	91	

SE0013F ESRANGE SWEDEN

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.31	0.29	0.20	2.86	0.00	0.03	0.25	0.91	1.51	100.0	1	92	
SO2	0.21	0.28	0.13	2.81	0.00	0.02	0.11	0.73	1.75	100.0	1	92	

SE0013F ESRANGE SWEDEN

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	0.15	0.18	0.08	3.49	0.00	0.01	0.09	0.58	0.74	97.8	2	89	
SO2	0.17	0.35	0.07	3.44	0.01	0.02	0.05	0.60	2.71	97.8	0	89	

SI0008R ISKRBA SLOVENIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.50	1.28	1.09	2.30	0.18	0.22	1.10	3.50	6.21	96.7	0	87	
SO2	3.22	4.32	1.37	4.08	0.05	0.11	1.35	13.98	16.25	96.7	0	87	
NH3+NH4+	1.12	0.75	0.92	1.89	0.18	0.32	0.87	2.56	4.11	96.7	0	87	
HNO3+NO3	0.42	0.38	0.32	2.06	0.04	0.10	0.31	1.07	2.75	96.7	0	87	

SI0008R ISKRBA SLOVENIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.20	0.67	1.00	1.92	0.10	0.33	1.14	2.36	2.99	100.0	0	92	
SO2	1.11	0.89	0.81	2.39	0.06	0.15	0.95	2.56	5.93	100.0	0	92	
NH3+NH4+	1.31	0.72	1.13	1.75	0.26	0.41	1.15	2.68	3.92	100.0	0	92	
HNO3+NO3	0.36	0.28	0.27	2.12	0.04	0.07	0.27	0.85	1.65	100.0	0	92	

SI0008R ISKRBA SLOVENIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.21	0.77	0.89	2.61	0.02	0.13	1.17	2.42	3.55	100.0	0	92	
SO2	0.42	0.49	0.25	2.93	0.00	0.04	0.20	1.41	2.65	100.0	1	92	
NH3+NH4+	1.32	0.68	1.13	1.84	0.19	0.31	1.25	2.29	4.06	100.0	0	92	
HNO3+NO3	0.15	0.13	0.11	2.15	0.00	0.02	0.11	0.40	0.68	100.0	1	92	

SI0008R ISKRBA SLOVENIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
SO4--	1.14	0.99	0.77	2.63	0.04	0.16	0.75	2.89	4.56	100.0	0	91	
SO2	0.94	1.20	0.47	3.53	0.02	0.04	0.53	3.07	6.57	100.0	0	91	
NH3+NH4+	1.16	0.78	0.91	2.06	0.17	0.28	0.93	2.52	4.08	100.0	0	91	
HNO3+NO3	0.31	0.25	0.22	2.37	0.03	0.04	0.22	0.79	1.15	100.0	0	91	

SK0002R CHOPOK SLOVAKIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.08	0.05	0.07	1.54	0.05	0.05	0.05	0.18	0.22	70.0	51	63	
HNO3	0.04	0.04	0.03	2.41	0.01	0.01	0.02	0.10	0.28	98.9	0	89	
NO2	1.08	0.34	1.03	1.34	0.50	0.60	1.00	1.66	2.80	97.8	0	88	
SO4--	0.28	0.15	0.23	1.89	0.08	0.08	0.25	0.55	0.70	98.9	18	89	
SO2	0.53	0.45	0.42	1.85	0.10	0.20	0.40	1.30	2.90	98.9	0	89	

SK0002R CHOPOK SLOVAKIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.23	0.21	0.14	2.68	0.05	0.05	0.19	0.56	1.07	100.0	45	92	
HNO3	0.07	0.05	0.05	1.98	0.01	0.02	0.05	0.16	0.25	100.0	0	92	
NO2	1.50	0.36	1.45	1.29	0.50	0.86	1.50	2.00	2.90	98.9	0	91	
SO4--	0.77	0.38	0.68	1.64	0.23	0.31	0.65	1.49	1.76	100.0	0	92	
SO2	1.61	0.98	1.37	1.76	0.30	0.40	1.40	3.40	6.10	100.0	0	92	

SK0002R CHOPOK SLOVAKIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.15	0.16	0.10	2.39	0.05	0.05	0.05	0.50	0.79	100.0	62	92	
HNO3	0.09	0.08	0.07	1.91	0.01	0.02	0.07	0.18	0.69	100.0	0	92	
NO2	1.39	0.31	1.35	1.27	0.70	0.86	1.50	1.84	2.20	100.0	0	92	
SO4--	1.04	0.57	0.88	1.91	0.08	0.34	0.99	2.29	2.59	100.0	2	92	
SO2	1.17	0.55	1.04	1.70	0.10	0.40	1.10	2.00	3.50	100.0	0	92	

SK0002R CHOPOK SLOVAKIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.12	0.12	0.09	2.15	0.05	0.05	0.05	0.36	0.47	96.7	62	88	
HNO3	0.08	0.07	0.06	1.98	0.01	0.02	0.05	0.22	0.47	96.7	0	88	
NO2	1.18	0.25	1.15	1.24	0.60	0.80	1.20	1.60	1.90	100.0	0	91	
SO4--	0.58	0.48	0.45	2.08	0.08	0.08	0.41	1.70	2.60	96.7	7	88	
SO2	1.38	1.00	1.12	1.87	0.40	0.50	1.10	3.12	5.30	96.7	0	88	

SK0004R STARA LESNA SLOVAKIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.36	0.22	0.31	1.79	0.05	0.14	0.28	0.74	1.36	97.8	3	88	
HNO3	0.15	0.12	0.11	2.22	0.02	0.03	0.10	0.37	0.48	97.8	0	88	
NO2	3.31	1.34	3.08	1.46	1.10	1.69	3.05	5.90	7.90	98.9	0	89	
SO4--	1.26	0.75	1.04	1.92	0.25	0.28	1.08	2.62	3.33	97.8	0	88	
SO2	3.97	3.28	2.97	2.19	0.50	0.80	3.00	9.28	18.50	97.8	0	88	

SK0004R STARA LESNA SLOVAKIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.41	0.30	0.33	1.95	0.05	0.11	0.33	0.94	2.17	98.9	4	91	
HNO3	0.07	0.09	0.05	2.29	0.01	0.02	0.05	0.25	0.45	100.0	0	92	
NO2	2.06	0.51	2.00	1.26	1.20	1.40	2.00	3.00	4.40	100.0	0	92	
SO4--	1.23	0.58	1.10	1.62	0.35	0.49	1.08	2.40	2.81	98.9	0	91	
SO2	2.31	1.38	1.97	1.76	0.60	0.80	2.00	4.76	7.20	100.0	0	92	

SK0004R STARA LESNA SLOVAKIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.24	0.16	0.18	2.28	0.05	0.05	0.25	0.54	0.65	98.9	25	91	
HNO3	0.06	0.04	0.05	2.00	0.01	0.02	0.04	0.13	0.18	98.9	0	91	
NO2	1.96	0.34	1.94	1.18	1.40	1.50	1.90	2.60	3.30	98.9	0	91	
SO4--	1.39	0.57	1.26	1.61	0.32	0.51	1.36	2.36	2.75	98.9	0	91	
SO2	1.39	0.68	1.24	1.63	0.20	0.56	1.30	2.74	3.60	98.9	0	91	

SK0004R STARA LESNA SLOVAKIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.29	0.15	0.25	1.87	0.05	0.05	0.28	0.52	0.85	100.0	9	91	
HNO3	0.07	0.05	0.05	1.80	0.01	0.03	0.05	0.14	0.39	100.0	0	91	
NO2	1.93	0.77	1.81	1.41	1.00	1.20	1.70	3.58	4.70	89.0	0	81	
SO4--	1.16	0.56	1.05	1.56	0.44	0.57	1.01	2.38	2.90	100.0	0	91	
SO2	2.08	1.92	1.55	2.07	0.30	0.60	1.40	5.53	10.50	100.0	0	91	

SK0005R LIESEK SLOVAKIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.79	0.35	0.72	1.56	0.25	0.33	0.70	1.31	2.02	98.9	0	89	
HNO3	0.12	0.10	0.09	2.14	0.02	0.03	0.08	0.29	0.60	98.9	0	89	
NO2	4.85	2.79	4.17	1.73	1.50	1.80	3.80	11.23	13.00	87.8	0	79	
SO4--	2.28	1.27	1.94	1.80	0.62	0.71	1.93	4.97	5.90	98.9	0	89	
SO2	16.21	12.33	12.31	2.15	2.50	3.38	12.45	44.01	58.00	98.9	0	89	

SK0005R LIESEK SLOVAKIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.69	0.47	0.58	1.76	0.16	0.27	0.58	1.28	2.97	100.0	0	92	
HNO3	0.06	0.03	0.05	1.56	0.03	0.03	0.05	0.12	0.22	100.0	0	92	
NO2	2.30	0.51	2.24	1.29	0.80	1.46	2.30	3.04	3.50	100.0	0	92	
SO4--	1.54	0.74	1.38	1.62	0.22	0.69	1.33	2.77	4.68	100.0	0	92	
SO2	4.15	2.75	3.40	1.89	0.80	1.26	3.00	8.48	15.20	100.0	0	92	

SK0005R LIESEK SLOVAKIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.35	0.13	0.32	1.63	0.05	0.10	0.33	0.57	0.84	96.7	4	89	
HNO3	0.06	0.05	0.05	2.02	0.01	0.01	0.05	0.16	0.27	96.7	0	89	
NO2	2.07	0.45	2.02	1.25	0.90	1.40	2.00	2.90	3.40	100.0	0	92	
SO4--	1.32	0.53	1.20	1.58	0.35	0.55	1.35	2.32	2.58	97.8	0	90	
SO2	1.18	0.64	1.02	1.77	0.10	0.40	1.10	2.41	3.30	96.7	0	89	

SK0005R LIESEK SLOVAKIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.44	0.20	0.39	1.69	0.05	0.18	0.41	0.82	1.03	96.7	2	88	
HNO3	0.07	0.06	0.06	1.74	0.02	0.03	0.05	0.16	0.50	96.7	0	88	
NO2	2.44	0.91	2.28	1.44	1.00	1.30	2.20	4.30	5.20	98.9	0	90	
SO4--	1.29	0.91	1.12	1.62	0.50	0.54	1.12	2.61	7.90	96.7	0	88	
SO2	3.79	3.74	2.87	2.02	0.40	0.94	2.70	11.22	22.30	96.7	0	88	

SK0006R STARINA SLOVAKIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.38	0.27	0.29	2.17	0.05	0.05	0.29	0.79	1.52	93.3	9	84	
HNO3	0.60	0.45	0.48	1.95	0.13	0.17	0.47	1.52	2.16	92.2	0	83	
NO2	2.37	1.02	2.18	1.50	1.00	1.20	2.10	4.30	5.40	93.3	0	84	
SO4--	2.19	1.66	1.72	2.01	0.34	0.51	1.80	6.03	8.63	93.3	0	84	
SO2	8.03	5.78	6.06	2.26	0.70	1.32	6.75	18.06	30.60	92.2	0	83	

SK0006R STARINA SLOVAKIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.41	0.30	0.30	2.52	0.05	0.05	0.33	1.00	1.44	97.8	16	90	
HNO3	0.28	0.15	0.23	1.96	0.02	0.06	0.24	0.52	0.72	97.8	0	90	
NO2	1.55	0.34	1.52	1.23	1.00	1.10	1.50	2.30	2.60	98.9	0	91	
SO4--	1.54	0.85	1.25	2.15	0.08	0.26	1.43	3.15	4.12	97.8	3	90	
SO2	3.31	1.82	2.93	1.62	1.10	1.40	2.70	6.90	11.50	97.8	0	90	

SK0006R STARINA SLOVAKIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.26	0.14	0.20	2.20	0.05	0.05	0.29	0.46	0.57	98.9	22	91	
HNO3	0.13	0.07	0.11	1.76	0.03	0.04	0.10	0.30	0.35	94.6	0	87	
NO2	1.37	0.33	1.34	1.25	0.80	0.90	1.30	1.96	2.90	95.7	0	88	
SO4--	1.43	0.62	1.28	1.70	0.08	0.51	1.35	2.78	3.03	98.9	1	91	
SO2	1.36	0.68	1.21	1.67	0.20	0.50	1.20	2.57	3.40	94.6	0	87	

SK0006R STARINA SLOVAKIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO3-	0.31	0.17	0.26	1.88	0.05	0.05	0.29	0.62	0.88	100.0	8	91	
HNO3	0.19	0.14	0.16	1.93	0.02	0.06	0.14	0.53	0.67	100.0	0	91	
NO2	1.60	0.59	1.51	1.37	0.60	1.00	1.45	2.64	4.80	100.0	0	91	
SO4--	1.38	0.67	1.23	1.65	0.30	0.50	1.22	2.51	3.69	100.0	0	91	
SO2	2.99	2.17	2.41	1.94	0.40	0.75	2.30	7.46	12.90	100.0	0	91	

TR0001R CUBUK II TYRKEY

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.17	0.16	0.13	2.55	-0.02	0.01	0.11	0.44	0.67	90.0	5	81	
NH4+	0.34	0.40	0.20	3.16	0.00	0.02	0.20	1.22	1.65	88.9	3	80	
NO3-	0.15	0.21	0.11	3.65	-0.01	-0.01	0.06	0.62	0.90	90.0	17	81	
HNO3	0.05	0.05	0.05	2.59	0.00	0.00	0.03	0.16	0.20	87.8	10	79	
NO2	1.02	1.13	0.60	2.93	0.05	0.08	0.65	2.95	6.95	87.8	0	79	
SO4--	0.47	0.37	0.35	2.59	0.00	0.04	0.41	1.09	1.79	90.0	3	81	
I SO2	1.41	1.79	0.47	5.93	-0.03	0.01	0.46	4.89	8.14	90.0	6	81	
NH3+NH4+	0.50	0.42	0.36	2.60	0.00	0.03	0.41	1.39	1.78	91.1	2	82	
HNO3+NO3	0.19	0.22	0.12	3.13	0.00	0.01	0.10	0.69	0.99	91.1	4	82	

TR0001R CUBUK II TYRKEY

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.35	0.32	0.22	3.26	0.00	0.01	0.28	0.88	1.85	92.4	14	85	
NH4+	0.37	0.32	0.26	2.76	-0.01	0.04	0.30	0.85	1.50	92.4	3	85	
NO3-	0.06	0.06	0.05	2.46	-0.01	0.00	0.05	0.17	0.29	92.4	18	85	
HNO3	0.07	0.05	0.05	2.11	0.01	0.01	0.05	0.17	0.26	91.3	1	84	
NO2	0.62	0.45	0.48	2.18	0.03	0.13	0.51	1.38	2.16	100.0	0	92	
SO4--	0.50	0.41	0.36	2.68	-0.01	0.04	0.43	1.16	2.51	92.4	2	85	
I SO2	0.54	0.62	0.40	4.01	-0.11	-0.07	0.35	1.88	2.16	93.5	27	86	
NH3+NH4+	0.71	0.42	0.62	1.75	0.09	0.21	0.67	1.38	3.35	92.4	0	85	
HNO3+NO3	0.13	0.09	0.11	1.95	0.02	0.03	0.10	0.31	0.55	92.4	0	85	

TR0001R CUBUK II TYRKEY

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.22	0.13	0.19	1.74	0.03	0.08	0.19	0.44	0.85	72.8	0	67	
NH4+	0.14	0.15	0.10	2.55	0.00	0.01	0.11	0.44	0.76	72.8	5	67	
NO3-	0.02	0.02	0.03	2.13	-0.01	0.00	0.02	0.07	0.11	72.8	19	67	
HNO3	0.05	0.03	0.04	2.00	0.00	0.01	0.04	0.11	0.12	72.8	4	67	
NO2	0.40	0.32	0.29	2.57	0.01	0.04	0.31	0.83	1.90	87.0	3	80	
SO4--	0.17	0.19	0.11	2.81	0.00	0.01	0.12	0.61	0.92	72.8	2	67	
I SO2	0.25	0.30	0.18	3.30	-0.04	-0.04	0.15	0.71	1.57	70.7	21	65	
NH3+NH4+	0.37	0.20	0.32	1.75	0.06	0.12	0.32	0.78	0.91	72.8	0	67	
HNO3+NO3	0.08	0.04	0.07	1.69	-0.01	0.01	0.07	0.15	0.21	72.8	3	67	

TR0001R CUBUK II TYRKEY

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NH3	0.24	0.20	0.17	2.96	-0.01	0.01	0.22	0.59	0.79	84.6	3	77	
NH4+	0.21	0.29	0.15	2.92	0.00	0.00	0.14	0.57	1.74	84.6	7	77	
NO3-	0.10	0.15	0.08	2.97	-0.01	0.00	0.05	0.46	0.68	84.6	10	77	
HNO3	0.06	0.04	0.05	2.04	-0.01	0.01	0.05	0.14	0.16	84.6	1	77	
NO2	1.32	1.18	0.96	2.28	-0.03	0.26	0.85	2.98	6.17	83.5	1	76	
SO4--	0.30	0.45	0.15	3.79	-0.02	0.01	0.12	1.05	2.27	84.6	5	77	
I SO2	0.60	0.57	0.35	3.93	-0.01	0.01	0.40	1.77	2.14	83.5	3	76	
NH3+NH4+	0.47	0.35	0.33	2.63	0.03	0.04	0.42	1.02	1.94	84.6	0	77	
HNO3+NO3	0.16	0.17	0.12	2.53	-0.01	0.01	0.10	0.58	0.74	84.6	3	77	

YU0005R KAMENICKI VIS YUGOSLAVIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.56	0.95	2.37	1.52	0.45	1.10	2.35	4.11	5.00	65.6	1	59	
SO2	7.33	4.42	6.10	1.89	1.25	1.25	5.65	16.01	21.30	65.6	3	59	

YU0005R KAMENICKI VIS YUGOSLAVIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.01	0.94	1.79	1.69	0.45	0.45	1.80	3.80	4.80	100.0	6	92	
SO2	2.62	2.52	1.95	2.01	1.25	1.25	1.25	8.34	14.40	100.0	63	92	

YU0005R KAMENICKI VIS YUGOSLAVIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.63	0.87	1.42	1.73	0.45	0.45	1.35	3.27	4.40	96.7	9	89	
SO2	1.29	0.29	1.28	1.15	1.25	1.25	1.25	1.25	3.20	97.8	88	90	

YU0005R KAMENICKI VIS YUGOSLAVIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.72	1.76	2.40	1.60	1.00	1.20	2.30	4.83	13.70	81.3	0	74	
SO2	1.25	0.00	1.25	1.00	1.25	1.25	1.25	1.25	1.25	84.6	77	77	

YU0008R ZABLJAK YUGOSLAVIA

December 1996 - February 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	3.50	1.82	3.01	1.81	0.45	1.10	2.90	6.51	7.60	64.4	1	58	
SO2	2.65	3.13	1.95	1.98	1.25	1.25	1.25	6.53	22.10	63.3	38	57	

YU0008R ZABLJAK YUGOSLAVIA

March 1997 - May 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	1.47	0.62	1.33	1.59	0.45	0.45	1.30	2.68	3.20	100.0	9	92	
SO2	1.68	1.92	1.39	1.57	1.25	1.25	1.25	3.07	12.00	100.0	87	92	

YU0008R ZABLJAK YUGOSLAVIA

June 1997 - August 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.21	0.92	2.00	1.64	0.45	0.78	2.10	3.54	5.10	100.0	4	92	
SO2	1.25	0.00	1.25	1.00	1.25	1.25	1.25	1.25	1.25	88.0	81	81	

YU0008R ZABLJAK YUGOSLAVIA

September 1997 - November 1997

Component	Arit mean	Arit sd	Geom mean	Geom sd	Min	5%	50%	95%	Max	% anal	Num bel	Num samples	Samp flag
NO2	2.16	0.65	2.02	1.51	0.45	0.75	2.20	3.20	4.00	100.0	4	91	
SO2	1.28	0.24	1.27	1.12	1.25	1.25	1.25	1.25	3.10	65.9	59	60	

Annex 5

Seasonal summaries of precipitation components

AT0002R ILLMITZ AUSTRIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.03	0.30	2.44	26.2	97.6	0	7	
Ca++	1.07	0.40	1.50	27.1	97.6	0	7	
Cl-	0.47	0.10	1.20	11.9	99.2	0	8	
Mg++	0.143	0.068	0.296	3.6	97.6	0	7	
NO3-	1.08	0.34	4.16	27.3	99.2	0	8	
pH	4.46	3.57	5.40	873.2	100.0	0	10	
K+	0.18	0.04	0.30	4.6	97.6	0	7	
Precip	-	0.0	5.8	25.4	100.0	80	90	
Na+	0.26	0.06	0.47	6.6	97.6	0	7	
SO4-- corr	2.07	0.38	17.49	52.6	99.2	0	8	
SO4--	2.09	0.38	17.55	53.1	99.2	0	8	

AT0002R ILLMITZ AUSTRIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.61	0.06	2.68	102.9	99.6	0	20	
Ca++	1.50	0.50	3.80	252.0	99.6	0	20	
Cl-	0.98	0.20	2.50	164.9	100.0	0	22	
Mg++	0.115	0.033	0.377	19.4	99.6	0	20	
NO3-	0.53	0.14	5.86	90.1	100.0	0	22	
pH	5.51	4.15	6.77	523.9	100.0	0	22	
K+	0.06	0.01	0.27	10.5	99.6	0	20	
Precip	-	0.0	34.9	168.6	100.0	70	92	
Na+	0.18	0.01	1.16	31.1	99.6	0	20	
SO4-- corr	0.63	0.16	7.93	105.7	100.0	0	22	
SO4--	0.64	0.16	8.01	108.3	100.0	0	22	

AT0002R ILLMITZ AUSTRIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.83	0.33	2.61	87.6	100.0	0	10	
Ca++	1.36	0.50	4.30	142.3	100.0	0	10	
Cl-	0.98	0.30	3.40	102.4	100.0	0	10	
Mg++	0.120	0.044	0.331	12.6	100.0	0	10	
NO3-	0.49	0.22	1.49	51.4	100.0	0	10	
pH	5.43	4.45	6.45	388.1	100.0	0	10	
K+	0.09	0.03	0.23	9.8	100.0	0	10	
Precip	-	0.0	20.1	104.9	100.0	82	92	
Na+	0.09	0.05	0.17	9.3	100.0	0	10	
SO4-- corr	0.99	0.25	3.04	103.9	100.0	0	10	
SO4--	1.00	0.25	3.05	104.7	100.0	0	10	

AT0002R ILLMITZ AUSTRIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.50	0.15	3.05	40.9	99.0	0	10	
Ca++	1.49	0.70	2.20	121.3	99.0	0	10	
Cl-	0.94	0.30	2.00	77.2	99.4	0	11	
Mg++	0.104	0.040	0.256	8.5	99.0	0	10	
NO3-	0.46	0.17	1.99	37.3	99.4	0	11	
pH	5.46	4.65	6.55	281.4	99.6	0	11	
K+	0.07	0.02	0.28	5.4	99.0	0	10	
Precip	-	0.0	22.3	81.7	100.0	79	91	
Na+	0.10	0.04	0.47	7.9	99.0	0	10	
SO4-- corr	0.60	0.21	2.67	49.0	99.4	0	11	
SO4--	0.61	0.21	2.69	49.7	99.4	0	11	

AT0004R ST. KOLOMAN AUSTRIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.29	0.09	0.54	17.2	90.6	0	15	
Ca++	0.17	0.10	0.60	10.4	90.6	0	15	
Cl-	0.43	0.10	2.90	25.8	99.0	0	19	
Mg++	0.044	0.008	0.121	2.6	90.6	0	15	
NO3-	0.57	0.06	1.41	34.1	99.0	0	19	
pH	4.67	4.12	5.74	1289.6	99.3	0	20	
K+	0.03	0.01	0.20	2.0	93.1	0	16	
Precip	-	0.0	10.5	59.7	100.0	66	90	
Na+	0.29	0.04	0.93	17.5	90.6	0	15	
SO4-- corr	0.43	0.05	1.02	25.7	99.0	0	19	
SO4--	0.46	0.06	1.04	27.2	99.0	0	19	

AT0004R ST. KOLOMAN AUSTRIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.93	0.20	7.23	347.8	100.0	0	54	
Ca++	0.43	0.10	5.60	159.9	100.0	0	54	
Cl-	0.43	0.10	8.00	161.8	87.8	0	49	
Mg++	0.071	0.010	0.690	26.6	100.0	0	54	
NO3-	0.66	0.15	4.40	246.4	99.7	0	51	
pH	4.88	4.06	7.41	4982.8	99.9	0	54	
K+	0.07	0.02	1.92	27.5	100.0	0	54	
Precip	-	0.0	29.5	375.8	100.0	37	92	
Na+	0.27	0.02	6.29	101.6	100.0	0	54	
SO4-- corr	0.63	0.15	2.90	236.6	99.7	0	51	
SO4--	0.65	0.15	2.96	245.1	99.7	0	51	

AT0004R ST. KOLOMAN AUSTRIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.43	0.02	2.27	210.1	100.0	0	47	
Ca++	0.18	0.00	4.30	90.7	100.0	2	47	
Cl-	0.14	0.10	1.00	68.5	57.9	0	32	
Mg++	0.027	0.005	0.317	13.2	100.0	0	47	
NO3-	0.35	0.13	1.36	170.4	99.6	0	42	
pH	4.96	4.54	6.63	5419.6	99.9	0	45	
K+	0.04	0.01	0.49	19.2	100.0	0	47	
Precip	-	0.0	34.1	492.9	100.0	43	92	
Na+	0.06	0.01	0.54	29.2	100.0	0	47	
SO4-- corr	0.34	0.09	2.39	169.5	99.6	0	42	
SO4--	0.35	0.10	2.44	172.0	99.6	0	42	

AT0004R ST. KOLOMAN AUSTRIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.43	0.00	1.68	96.8	99.4	1	29	
Ca++	0.15	0.00	0.50	34.3	99.4	4	29	
Cl-	0.18	0.10	0.50	41.7	89.9	0	28	
Mg++	0.029	0.004	0.094	6.5	99.4	0	29	
NO3-	0.37	0.10	2.14	84.5	99.7	0	30	
pH	4.87	3.91	6.49	3072.6	100.0	0	32	
K+	0.11	0.00	1.23	24.7	99.4	1	29	
Precip	-	0.0	33.0	228.1	100.0	59	91	
Na+	0.10	0.02	0.46	22.4	99.4	0	29	
SO4-- corr	0.35	0.07	1.41	80.7	99.7	0	30	
SO4--	0.36	0.07	1.42	82.6	99.7	0	30	

AT0005R VORHEGG AUSTRIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.07	0.02	0.73	2.6	100.0	0	3	
Ca++	1.92	1.60	4.50	75.2	100.0	0	3	
Cl-	0.26	0.20	1.50	10.2	100.0	0	3	
Mg++	0.177	0.139	0.468	6.9	100.0	0	3	
NO3-	0.14	0.07	0.59	5.5	100.0	0	3	
pH	6.95	6.34	7.30	4.3	100.0	0	3	
K+	0.47	0.45	0.96	18.5	100.0	0	3	
Precip	-	0.0	33.3	39.1	65.6	56	59	
Na+	0.14	0.09	1.12	5.3	100.0	0	3	
SO4-- corr	0.23	0.15	0.83	9.1	100.0	0	3	
SO4--	0.24	0.16	0.92	9.5	100.0	0	3	

AT0005R VORHEGG AUSTRIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.92	0.07	3.31	106.1	100.0	0	12	
Ca++	1.00	0.20	4.10	114.7	100.0	0	12	
Cl-	0.61	0.10	1.50	70.2	100.0	0	12	
Mg++	0.145	0.017	0.543	16.6	100.0	0	12	
NO3-	0.47	0.04	1.56	54.1	100.0	0	12	
pH	6.26	5.95	7.50	63.4	100.0	0	12	
K+	0.12	0.01	0.37	13.8	100.0	0	12	
Precip	-	0.0	32.7	114.8	100.0	80	92	
Na+	0.35	0.03	0.87	40.4	100.0	0	12	
SO4-- corr	0.75	0.04	1.85	86.0	100.0	0	12	
SO4--	0.78	0.04	1.86	89.4	100.0	0	12	

AT0005R VORHEGG AUSTRIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.60	0.19	2.31	214.1	99.2	0	31	
Ca++	0.53	0.20	2.57	187.1	99.2	0	31	
Cl-	0.27	0.06	1.30	96.3	98.5	0	33	
Mg++	0.052	0.020	0.321	18.5	99.2	0	31	
NO3-	0.30	0.08	0.93	107.9	100.0	0	34	
pH	5.60	5.07	8.42	891.9	100.0	0	34	
K+	0.04	0.01	0.21	15.2	99.2	0	31	
Precip	-	0.0	47.0	355.9	100.0	58	92	
Na+	0.12	0.01	0.80	41.9	99.2	0	31	
SO4-- corr	0.54	0.05	2.04	191.0	100.0	0	34	
SO4--	0.55	0.05	2.05	194.6	100.0	0	34	

AT0005R VORHEGG AUSTRIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.40	0.05	5.89	114.1	98.8	0	17	
Ca++	0.27	0.00	1.60	77.7	98.8	2	17	
Cl-	0.24	0.10	0.60	67.2	84.7	0	15	
Mg++	0.022	0.003	0.238	6.2	98.8	0	17	
NO3-	0.20	0.01	2.76	57.3	100.0	0	18	
pH	5.28	4.32	6.13	1493.3	100.0	0	18	
K+	0.02	0.00	0.42	5.8	98.8	4	17	
Precip	-	0.0	49.6	284.7	100.0	73	91	
Na+	0.04	0.00	0.17	10.3	98.8	1	17	
SO4-- corr	0.34	0.01	4.54	96.1	100.0	0	18	
SO4--	0.34	0.01	4.55	97.8	100.0	0	18	

CH0002F PAYERNE SWITZERLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.30	0.09	1.43	40.5	97.3	0	27	
Ca++	0.14	0.01	0.50	18.9	97.3	2	27	
Cl-	0.26	0.03	8.62	35.6	97.3	1	27	
Mg++	0.024	0.005	0.569	3.2	97.3	9	27	
NO3-	0.20	0.06	1.36	27.7	97.3	0	27	
pH	5.13	4.09	6.72	1001.0	99.5	0	32	
K+	0.02	0.00	0.29	3.0	97.3	2	27	
Precip	-	0.0	16.0	136.2	100.0	54	90	
Na+	0.14	0.01	4.76	19.1	97.3	1	27	
SO4-- corr	0.22	0.11	1.03	30.4	97.3	0	27	
SO4--	0.23	0.12	1.24	32.0	97.3	0	27	

CH0002F PAYERNE SWITZERLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.71	0.15	2.57	83.2	98.8	0	21	
Ca++	0.35	0.03	2.64	40.8	98.8	0	21	
Cl-	0.23	0.05	0.99	26.8	98.8	0	21	
Mg++	0.036	0.005	0.161	4.3	98.8	3	21	
NO3-	0.37	0.08	1.40	43.9	98.8	0	21	
pH	5.38	4.66	7.24	490.0	99.5	0	23	
K+	0.08	0.00	0.90	8.9	98.8	1	21	
Precip	-	0.0	17.2	117.8	100.0	66	92	
Na+	0.13	0.01	0.60	15.1	98.8	1	21	
SO4-- corr	0.47	0.12	1.25	55.3	98.8	0	21	
SO4--	0.48	0.12	1.29	56.6	98.8	0	21	

CH0002F PAYERNE SWITZERLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.64	0.20	3.82	194.3	99.3	0	29	
Ca++	0.20	0.03	1.24	62.3	99.3	0	29	
Cl-	0.13	0.03	3.29	39.8	99.3	4	29	
Mg++	0.038	0.005	0.307	11.6	99.3	3	29	
NO3-	0.24	0.03	1.14	71.7	99.3	0	29	
pH	5.23	4.54	7.20	1801.3	99.8	0	31	
K+	0.12	0.01	0.94	35.2	99.3	0	29	
Precip	-	0.0	47.6	303.7	100.0	58	92	
Na+	0.09	0.01	1.91	26.8	99.3	1	29	
SO4-- corr	0.37	0.03	1.30	113.4	99.3	0	29	
SO4--	0.38	0.04	1.31	115.6	99.3	0	29	

CH0002F PAYERNE SWITZERLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.35	0.16	1.33	45.3	99.5	0	21	
Ca++	0.24	0.07	0.90	31.3	99.5	0	21	
Cl-	0.12	0.03	1.48	15.7	99.5	2	21	
Mg++	0.028	0.005	0.105	3.7	99.5	2	21	
NO3-	0.21	0.05	0.80	27.7	99.5	0	21	
pH	5.18	4.50	6.50	854.0	99.5	0	21	
K+	0.02	0.00	0.06	2.2	99.5	7	21	
Precip	-	0.0	20.5	129.7	100.0	67	91	
Na+	0.08	0.01	0.80	10.3	99.5	2	21	
SO4-- corr	0.25	0.07	0.61	31.9	99.5	0	21	
SO4--	0.25	0.07	0.63	32.8	99.5	0	21	

CH0003F TANIKON SWITZERLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.31	0.11	1.09	25.8	98.2	0	12	
Ca++	0.10	0.01	0.20	8.4	98.2	1	12	
Cl-	0.35	0.03	1.46	29.3	98.2	1	12	
Mg++	0.033	0.005	0.105	2.8	98.2	3	12	
NO3-	0.16	0.08	0.72	13.0	98.2	0	12	
pH	5.52	4.29	6.22	250.4	99.5	0	14	
K+	0.03	0.00	0.07	2.2	98.2	1	12	
Precip	-	0.0	17.5	82.6	65.6	44	59	
Na+	0.20	0.01	0.84	16.2	98.2	1	12	
SO4-- corr	0.18	0.08	0.56	14.9	98.2	0	12	
SO4--	0.20	0.08	0.56	16.3	98.2	0	12	

CH0003F TANIKON SWITZERLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.87	0.20	3.73	134.0	99.5	0	29	
Ca++	0.43	0.03	4.15	67.1	99.5	0	29	
Cl-	0.24	0.03	3.04	37.6	99.5	3	29	
Mg++	0.048	0.005	0.326	7.5	99.5	3	29	
NO3-	0.54	0.10	3.52	83.1	99.5	0	29	
pH	5.40	4.31	7.00	620.6	99.9	0	30	
K+	0.06	0.01	0.33	9.6	99.5	0	29	
Precip	-	0.0	15.6	154.9	100.0	60	92	
Na+	0.13	0.01	1.60	20.6	99.5	3	29	
SO4-- corr	0.51	0.07	2.96	79.8	99.5	0	29	
SO4--	0.53	0.08	3.06	81.5	99.5	0	29	

CH0003F TANIKON SWITZERLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.45	0.05	3.45	205.4	99.5	0	40	
Ca++	0.15	0.01	5.80	68.8	99.5	4	40	
Cl-	0.07	0.03	1.13	32.1	99.5	10	40	
Mg++	0.015	0.005	0.385	6.8	99.5	17	40	
NO3-	0.31	0.05	2.94	139.7	99.5	0	40	
pH	5.05	4.32	6.92	4062.4	99.9	0	43	
K+	0.04	0.00	0.33	18.8	99.5	3	40	
Precip	-	0.0	46.2	456.7	100.0	47	92	
Na+	0.05	0.01	0.59	24.8	99.5	5	40	
SO4-- corr	0.30	0.03	3.46	139.0	99.5	0	40	
SO4--	0.31	0.03	3.51	140.8	99.5	0	40	

CH0003F TANIKON SWITZERLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.32	0.06	0.92	39.6	98.1	0	17	
Ca++	0.18	0.05	0.55	22.8	98.1	0	17	
Cl-	0.10	0.03	0.52	11.9	98.1	3	17	
Mg++	0.025	0.005	0.099	3.2	98.1	1	17	
NO3-	0.22	0.04	0.69	26.8	98.1	0	17	
pH	5.04	4.37	6.08	1141.8	99.4	0	20	
K+	0.01	0.00	0.04	1.9	98.1	2	17	
Precip	-	0.0	32.0	124.3	100.0	68	91	
Na+	0.06	0.01	0.33	7.7	98.1	4	17	
SO4-- corr	0.25	0.04	1.05	31.1	98.1	0	17	
SO4--	0.25	0.04	1.06	31.7	98.1	0	17	

CH0004F CHAUMONT SWITZERLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.19	0.07	2.85	22.0	98.7	0	19	
Ca++	0.16	0.01	1.10	18.4	98.7	4	19	
Cl-	0.48	0.05	5.28	54.8	98.7	0	19	
Mg++	0.043	0.005	0.350	4.9	98.7	7	19	
NO3-	0.18	0.06	3.68	20.9	98.7	0	19	
pH	5.10	4.45	6.45	903.7	99.5	0	20	
K+	0.04	0.00	0.21	4.6	98.7	2	19	
Precip	-	0.0	13.0	114.1	65.6	37	59	
Na+	0.27	0.01	2.96	31.3	98.7	4	19	
SO4-- corr	0.22	0.07	2.23	25.6	98.7	0	19	
SO4--	0.25	0.08	2.25	28.2	98.7	0	19	

CH0004F CHAUMONT SWITZERLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.56	0.14	3.66	75.3	97.1	0	23	
Ca++	0.30	0.01	3.65	40.7	97.1	1	23	
Cl-	0.29	0.06	1.37	38.5	97.1	0	23	
Mg++	0.038	0.011	0.192	5.2	97.1	0	23	
NO3-	0.38	0.08	3.68	51.3	97.1	0	23	
pH	5.06	4.08	6.30	1178.8	99.1	0	27	
K+	0.06	0.00	0.43	8.2	97.1	1	23	
Precip	-	0.0	14.9	134.5	100.0	60	92	
Na+	0.17	0.04	0.90	22.7	97.1	0	23	
SO4-- corr	0.50	0.13	3.02	67.6	97.1	0	23	
SO4--	0.52	0.14	3.06	69.5	97.1	0	23	

CH0004F CHAUMONT SWITZERLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.32	0.03	1.43	119.6	99.1	0	43	
Ca++	0.24	0.01	2.21	88.7	99.1	3	43	
Cl-	0.13	0.05	3.82	48.4	99.1	0	43	
Mg++	0.020	0.005	0.331	7.5	99.1	14	43	
NO3-	0.26	0.04	1.17	95.8	99.1	0	43	
pH	4.94	4.17	6.57	4231.2	99.7	0	47	
K+	0.04	0.00	0.26	16.5	99.1	5	43	
Precip	-	0.0	55.4	371.6	100.0	41	92	
Na+	0.08	0.01	2.19	31.3	99.1	4	43	
SO4-- corr	0.34	0.03	1.04	128.1	99.1	0	43	
SO4--	0.35	0.04	1.05	130.6	99.1	0	43	

CH0004F CHAUMONT SWITZERLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.17	0.03	0.64	38.6	99.1	0	26	
Ca++	0.14	0.04	0.92	31.9	99.1	0	26	
Cl-	0.11	0.05	0.94	25.3	99.1	0	26	
Mg++	0.018	0.005	0.086	4.2	99.1	6	26	
NO3-	0.16	0.03	0.74	36.7	99.1	0	26	
pH	5.04	4.34	5.71	2089.0	99.6	0	28	
K+	0.01	0.00	0.07	2.9	99.1	6	26	
Precip	-	0.0	57.4	229.0	100.0	59	91	
Na+	0.07	0.01	0.48	15.2	99.1	3	26	
SO4-- corr	0.17	0.01	0.71	38.9	99.1	1	26	
SO4--	0.18	0.01	0.73	40.2	99.1	1	26	

CH0005F RIGI SWITZERLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.16	0.04	0.41	8.2	96.0	0	10	
Ca++	0.05	0.01	0.17	2.4	96.0	4	10	
Cl-	0.11	0.03	0.55	5.6	96.0	3	10	
Mg++	0.008	0.005	0.043	0.4	96.0	7	10	
NO3-	0.17	0.06	0.32	8.7	96.0	0	10	
pH	5.08	4.41	6.40	416.6	99.0	0	13	
K+	0.03	0.00	0.08	1.4	96.0	2	10	
Precip	-	0.0	14.4	50.6	65.6	43	59	
Na+	0.06	0.01	0.35	3.0	96.0	3	10	
SO4-- corr	0.14	0.06	0.29	7.0	96.0	0	10	
SO4--	0.14	0.06	0.32	7.2	96.0	0	10	

CH0005F RIGI SWITZERLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.78	0.09	5.15	142.2	98.3	0	27	
Ca++	0.20	0.01	1.89	36.4	98.3	2	27	
Cl-	0.26	0.03	1.43	47.4	98.3	3	27	
Mg++	0.033	0.005	0.152	5.9	98.3	4	27	
NO3-	0.49	0.08	3.40	89.2	98.3	0	27	
pH	5.05	4.27	6.74	1610.7	100.0	0	32	
K+	0.07	0.01	0.37	13.4	98.3	0	27	
Precip	-	0.0	27.1	181.6	100.0	60	92	
Na+	0.15	0.01	0.89	27.4	98.3	2	27	
SO4-- corr	0.50	0.06	2.40	91.6	98.3	0	27	
SO4--	0.52	0.07	2.42	93.9	98.3	0	27	

CH0005F RIGI SWITZERLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.41	0.01	1.17	244.2	99.6	1	45	
Ca++	0.14	0.01	2.36	86.2	99.6	5	45	
Cl-	0.06	0.03	0.83	37.3	99.6	15	45	
Mg++	0.012	0.005	0.155	7.1	99.6	22	45	
NO3-	0.27	0.03	0.91	163.1	99.6	0	45	
pH	4.98	4.21	6.80	6282.3	99.8	0	47	
K+	0.04	0.00	0.17	21.7	99.6	5	45	
Precip	-	0.0	50.8	601.6	100.0	39	92	
Na+	0.04	0.01	0.46	25.2	99.6	10	45	
SO4-- corr	0.29	0.03	1.01	177.4	99.6	0	45	
SO4--	0.30	0.04	1.02	179.3	99.6	0	45	

CH0005F RIGI SWITZERLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.04	2.05	74.2	99.1	0	20	
Ca++	0.15	0.01	1.01	25.6	99.1	1	20	
Cl-	0.12	0.03	0.64	21.0	99.1	3	20	
Mg++	0.019	0.005	0.150	3.1	99.1	3	20	
NO3-	0.27	0.04	1.41	44.9	99.1	0	20	
pH	4.93	4.26	6.82	1972.6	99.8	0	22	
K+	0.04	0.00	0.71	6.6	99.1	5	20	
Precip	-	0.0	38.7	168.8	100.0	67	91	
Na+	0.09	0.01	0.31	14.3	99.1	3	20	
SO4-- corr	0.33	0.01	0.92	55.7	99.1	1	20	
SO4--	0.34	0.01	0.92	56.9	99.1	1	20	

CS0001R SVRATOUCH CZECH REPUBLIC

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Precip	-	0.1	16.2	82.9	70.0	0	13	W

CS0001R SVRATOUCH CZECH REPUBLIC

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.85	0.36	2.83	185.1	55.8	0	7	W
Ca++	0.29	0.13	1.57	63.1	55.8	0	7	W
Cl-	0.13	0.08	0.56	29.0	55.8	0	7	W
Mg++	0.049	0.030	0.200	10.7	55.8	0	7	W
NO3-	0.62	0.30	2.64	135.8	55.8	0	7	W
pH	4.49	4.02	6.64	7115.5	55.8	0	7	W
K+	0.07	0.03	0.47	15.4	55.8	0	7	W
Precip	-	0.9	44.8	217.3	98.9	0	13	W
Na+	0.11	0.06	0.24	23.9	55.8	0	7	W
SO4-- corr	1.05	0.64	4.00	227.7	55.8	0	7	W
SO4-- corr	-	0.64	4.00	-	-	0	7	W
SO4--	1.06	0.65	4.02	229.7	55.8	0	7	W

CS0001R SVRATOUCH CZECH REPUBLIC

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.63	0.45	1.65	306.1	94.7	0	8	W
Ca++	0.28	0.08	0.62	135.4	94.7	0	8	W
Cl-	0.23	0.08	0.91	113.0	95.5	0	10	W
Mg++	0.047	0.030	0.120	23.0	94.7	0	8	W
NO3-	0.33	0.20	2.32	158.9	95.5	0	10	W
pH	4.78	3.97	6.32	7942.2	95.5	0	10	W
K+	0.18	0.06	1.04	88.5	94.7	0	8	W
Precip	-	0.0	168.0	484.6	98.9	1	13	W
Na+	0.09	0.05	0.23	43.3	94.7	0	8	W
SO4-- corr	0.84	0.56	4.95	408.4	95.5	0	10	W
SO4-- corr	-	0.56	4.95	-	-	0	10	W
SO4--	0.85	0.56	4.99	412.1	95.5	0	10	W

CS0001R SVRATOUCH CZECH REPUBLIC

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.56	0.01	2.19	78.7	93.8	0	10	W
Ca++	0.27	0.06	1.05	38.0	92.8	0	9	W
Cl-	0.43	0.08	2.42	61.1	93.8	0	10	W
Mg++	0.063	0.010	0.360	8.9	92.8	0	9	W
NO3-	0.56	0.15	2.85	79.7	93.8	0	10	W
pH	4.55	3.83	5.77	3979.7	93.8	0	10	W
K+	0.25	0.01	2.98	34.8	92.8	0	9	W
Precip	-	0.0	36.8	141.2	100.0	1	13	W
Na+	0.13	0.01	0.45	18.5	92.8	0	9	W
SO4-- corr	0.74	0.34	3.00	104.8	93.8	0	10	W
SO4-- corr	-	0.34	3.00	-	-	0	10	W
SO4--	0.75	0.35	3.02	106.5	93.8	0	10	W

CS0003R KOSETICE CZECH REPUBLIC

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.30	0.02	1.53	20.4	90.0	0	21	
Ca++	0.27	0.05	1.24	18.1	90.0	0	21	
Cl-	0.37	0.03	3.58	25.0	89.9	0	20	
Mg++	0.035	0.001	0.260	2.4	90.0	2	21	
NO3-	0.41	0.10	1.78	27.8	89.9	0	20	
pH	4.68	4.04	5.37	1419.0	90.0	0	21	
K+	0.05	0.00	0.28	3.0	89.9	4	20	
Precip	-	0.0	10.0	67.2	77.8	38	70	
Na+	0.11	0.01	0.85	7.2	89.9	0	20	
SO4-- corr	0.51	0.12	2.07	34.4	67.0	0	14	
SO4--	0.50	0.10	2.14	33.7	89.9	0	20	

CS0003R KOSETICE CZECH REPUBLIC

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.05	0.19	4.60	191.7	98.5	0	44	
Ca++	0.32	0.07	4.05	59.0	98.3	0	43	
Cl-	0.58	0.06	2.44	105.7	98.0	0	42	
Mg++	0.047	0.001	0.360	8.5	98.3	2	43	
NO3-	0.82	0.24	3.14	148.9	98.0	0	42	
pH	4.46	3.73	6.76	6302.6	98.5	0	44	
K+	0.14	0.00	2.04	26.5	98.0	2	42	
Precip	-	0.0	18.7	182.5	100.0	37	92	
Na+	0.26	0.01	1.38	47.3	98.3	0	43	
SO4-- corr	1.06	0.18	4.20	193.2	98.0	0	42	
SO4--	1.08	0.18	4.24	197.0	98.0	0	42	

CS0003R KOSETICE CZECH REPUBLIC

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.57	0.11	3.21	165.5	99.5	0	37	
Ca++	0.18	0.03	2.29	53.3	99.5	0	37	
Cl-	0.15	0.01	1.64	43.8	99.4	1	36	
Mg++	0.025	0.001	0.390	7.3	99.5	2	37	
NO3-	0.39	0.10	2.55	114.5	99.4	0	36	
pH	4.44	3.83	6.12	10563.3	99.5	0	37	
K+	0.07	0.01	0.56	20.1	99.3	0	34	
Precip	-	0.0	37.6	291.1	100.0	48	92	
Na+	0.06	0.01	1.18	17.6	99.5	0	37	
SO4-- corr	0.88	0.29	4.20	255.1	99.4	0	36	
SO4--	0.88	0.29	4.21	256.7	99.4	0	36	

CS0003R KOSETICE CZECH REPUBLIC

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.72	0.07	4.27	78.3	97.1	0	28	
Ca++	0.19	0.02	1.67	20.3	96.6	0	27	
Cl-	0.49	0.08	1.83	54.0	96.5	0	26	
Mg++	0.044	0.001	0.800	4.8	97.1	2	28	
NO3-	0.65	0.15	2.77	71.1	96.5	0	26	
pH	4.52	3.44	5.68	3323.9	97.1	0	28	
K+	0.10	0.00	6.31	10.6	97.0	1	27	
Precip	-	0.0	11.5	109.3	100.0	57	91	
Na+	0.22	0.02	1.10	23.7	97.1	0	28	
SO4-- corr	0.72	0.07	4.35	78.8	97.0	0	27	
SO4--	0.74	0.13	4.36	80.7	97.0	0	27	

DE0001R WESTERLAND GERMANY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.58	0.24	2.76	55.0	97.3	0	24	
Ca++	0.87	0.30	1.70	82.5	96.8	0	23	
Cl-	16.32	1.70	53.20	1556.7	97.6	0	25	
Mg++	1.069	0.300	3.190	102.0	96.8	0	23	
NO3-	0.62	0.24	2.34	59.5	97.6	0	25	
pH	5.20	4.18	5.81	598.7	99.0	0	29	
K+	0.36	0.10	1.05	34.0	96.8	0	23	
Precip	-	0.0	11.7	95.4	100.0	55	90	
Na+	8.92	0.91	26.64	850.6	96.8	0	23	
SO4-- corr	0.72	0.27	2.72	69.0	97.6	0	25	
SO4--	1.42	0.65	3.48	135.4	97.6	0	25	

DE0001R WESTERLAND GERMANY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.62	0.00	7.41	83.9	98.5	2	33	
Ca++	0.60	0.10	3.10	81.2	98.2	0	32	
Cl-	7.65	0.50	108.10	1041.5	98.5	0	33	
Mg++	0.611	0.020	6.620	83.2	98.2	0	32	
NO3-	0.66	0.13	3.50	89.4	98.5	0	33	
pH	4.80	3.78	5.96	2144.7	98.8	0	35	
K+	0.22	0.03	2.64	29.4	98.2	0	32	
Precip	-	0.0	17.5	136.1	100.0	46	92	
Na+	4.27	0.22	44.90	580.7	98.2	0	32	
SO4-- corr	0.97	0.37	7.63	131.6	98.5	0	33	
SO4--	1.32	0.39	9.32	179.1	98.5	0	33	

DE0001R WESTERLAND GERMANY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.81	0.16	5.24	114.4	98.6	0	24	
Ca++	0.40	0.20	3.20	55.8	98.5	0	23	
Cl-	1.43	0.30	17.40	201.8	98.6	0	24	
Mg++	0.144	0.050	1.320	20.2	98.5	0	23	
NO3-	0.67	0.21	5.49	94.0	98.6	0	24	
pH	4.81	4.48	6.03	2161.4	99.0	0	25	
K+	0.11	0.02	1.04	15.9	98.5	0	23	
Precip	-	0.0	24.8	140.6	100.0	56	92	
Na+	0.80	0.15	10.98	112.4	98.5	0	23	
SO4-- corr	0.77	0.32	3.62	108.5	98.6	0	24	
SO4--	0.84	0.37	3.95	118.0	98.6	0	24	

DE0001R WESTERLAND GERMANY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.43	0.04	3.89	64.1	97.0	0	35	
Ca++	0.82	0.20	4.30	121.1	96.8	0	34	
Cl-	26.00	0.30	449.80	3843.5	97.0	0	35	
Mg++	1.573	0.060	9.120	232.5	96.8	0	34	
NO3-	0.56	0.00	4.66	83.6	97.0	2	35	
pH	4.85	4.08	6.21	2088.9	98.1	0	41	
K+	0.61	0.03	4.80	90.6	96.8	0	34	
Precip	-	0.0	21.1	147.8	100.0	44	91	
Na+	13.44	0.15	99.21	1987.0	96.8	0	34	
SO4-- corr	0.60	-2.71	3.24	88.5	97.0	2	35	
SO4--	1.66	0.43	18.25	245.1	97.0	0	35	

DE0002R LANGENBRUGGE GERMANY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.59	0.12	4.64	47.5	97.0	0	25	
Ca++	0.49	0.20	12.60	39.4	96.9	0	23	
Cl-	1.61	0.20	51.10	129.8	97.4	0	27	
Mg++	0.141	0.040	0.900	11.4	96.9	0	23	
NO3-	0.58	0.25	3.40	46.5	97.4	0	27	
pH	5.15	3.77	6.06	574.2	96.8	0	21	
K+	0.09	0.00	1.72	6.9	96.9	1	23	
Precip	-	0.0	15.9	80.6	100.0	45	90	
Na+	0.79	0.09	4.87	63.6	96.9	0	23	
SO4-- corr	0.62	0.29	5.37	49.8	97.4	0	27	
SO4--	0.69	0.30	5.58	55.3	97.4	0	27	

DE0002R LANGENBRUGGE GERMANY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.08	0.03	5.74	162.4	98.9	0	33	
Ca++	0.50	0.10	8.50	75.8	98.8	0	32	
Cl-	0.87	0.00	6.30	131.0	98.9	1	33	
Mg++	0.115	0.020	0.840	17.3	98.8	0	32	
NO3-	0.81	0.17	3.53	122.7	98.9	0	33	
pH	4.71	4.21	6.85	2943.3	99.2	0	33	
K+	0.21	0.03	1.42	31.3	98.8	0	32	
Precip	-	0.0	24.8	150.7	100.0	48	92	
Na+	0.40	0.00	3.52	60.1	98.8	2	32	
SO4-- corr	0.97	0.18	4.16	146.2	98.9	0	33	
SO4--	1.00	0.29	4.29	151.4	98.9	0	33	

DE0002R LANGENBRUGGE GERMANY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.58	0.16	2.50	115.4	98.2	0	27	
Ca++	0.38	0.10	3.10	75.1	94.5	0	29	
Cl-	0.26	0.10	1.30	51.9	98.9	0	28	
Mg++	0.063	0.020	1.020	12.5	94.5	0	29	
NO3-	0.56	0.19	2.10	110.4	98.9	0	28	
pH	4.88	4.33	6.29	2627.3	99.7	0	31	
K+	0.07	0.00	3.75	14.0	94.5	1	29	
Precip	-	0.0	28.3	197.3	100.0	55	92	
Na+	0.09	0.00	0.67	16.8	94.5	4	29	
SO4-- corr	0.66	0.35	2.17	130.6	98.9	0	28	
SO4--	0.67	0.35	2.19	132.1	98.9	0	28	

DE0002R LANGENBRUGGE GERMANY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.02	4.20	51.1	98.5	0	34	
Ca++	0.37	0.10	3.30	42.2	97.8	0	27	
Cl-	1.32	0.10	30.90	151.5	98.0	0	32	
Mg++	0.262	0.005	2.540	30.2	97.8	2	27	
NO3-	0.47	0.21	3.07	54.6	98.0	0	32	
pH	5.06	4.46	6.91	1000.1	98.4	0	27	
K+	0.11	0.00	1.40	13.2	97.8	1	27	
Precip	-	0.0	31.2	115.2	100.0	49	91	
Na+	0.74	0.00	34.32	85.5	97.8	3	27	
SO4-- corr	0.52	0.36	2.81	59.4	98.0	0	32	
SO4--	0.57	0.36	3.02	65.5	98.0	0	32	

DE0003R SCHAUINSLAND GERMANY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.21	0.00	1.80	70.2	99.6	1	30	
Ca++	0.35	0.20	1.70	118.3	99.6	0	30	
Cl-	0.62	0.10	4.90	207.9	99.6	0	30	
Mg++	0.066	0.005	0.380	22.2	99.6	0	30	
NO3-	0.23	0.12	1.54	77.0	99.6	0	30	
pH	5.26	4.76	6.95	1849.6	99.8	0	31	
K+	0.06	0.00	0.41	20.5	99.6	0	30	
Precip	-	0.0	47.2	337.9	100.0	54	90	
Na+	0.31	0.00	2.92	104.1	99.6	0	30	
SO4-- corr	0.29	0.12	1.39	99.6	99.6	0	30	
SO4--	0.32	0.12	1.46	108.3	99.6	0	30	

DE0003R SCHAUINSLAND GERMANY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.84	0.01	7.52	287.7	99.7	0	40	
Ca++	0.36	0.10	2.30	121.6	99.7	0	40	
Cl-	0.43	0.00	5.00	146.4	99.7	1	40	
Mg++	0.058	0.005	0.370	19.7	99.7	2	40	
NO3-	0.59	0.12	7.16	200.1	99.7	0	40	
pH	5.04	4.01	6.32	3105.5	99.8	0	41	
K+	0.08	0.02	0.51	26.2	99.7	0	40	
Precip	-	0.0	37.1	341.2	100.0	44	92	
Na+	0.22	0.02	2.09	74.4	99.7	0	40	
SO4-- corr	0.66	0.19	4.94	223.7	99.7	0	40	
SO4--	0.67	0.20	5.02	230.1	99.7	0	40	

DE0003R SCHAUINSLAND GERMANY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.41	0.08	1.39	212.3	95.9	0	41	
Ca++	0.27	0.00	2.80	143.1	99.4	1	44	
Cl-	0.19	0.00	8.40	99.3	95.9	2	41	
Mg++	0.030	0.005	0.550	16.0	99.4	3	44	
NO3-	0.34	0.11	0.90	179.2	95.9	0	41	
pH	4.93	4.48	6.57	6087.9	99.8	0	48	
K+	0.08	0.00	0.57	40.0	99.4	3	44	
Precip	-	0.0	71.6	524.5	100.0	39	92	
Na+	0.09	0.02	4.43	46.7	99.4	0	44	
SO4-- corr	0.43	0.19	1.21	223.3	95.9	0	41	
SO4--	0.43	0.21	1.22	227.3	95.9	0	41	

DE0003R SCHAUINSLAND GERMANY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.34	0.05	4.67	92.0	99.6	0	27	
Ca++	0.27	0.10	1.70	71.1	99.6	0	27	
Cl-	0.39	0.10	3.60	104.1	99.6	0	27	
Mg++	0.045	0.005	0.410	12.0	99.6	2	27	
NO3-	0.32	0.10	1.22	85.5	99.6	0	27	
pH	4.90	4.42	6.29	3352.7	99.8	0	28	
K+	0.07	0.00	1.11	18.5	99.6	3	27	
Precip	-	0.0	24.0	267.6	100.0	58	91	
Na+	0.19	0.00	2.49	51.1	99.6	1	27	
SO4-- corr	0.37	0.14	1.78	97.6	99.6	0	27	
SO4--	0.38	0.14	1.83	101.2	99.6	0	27	

DE0004R DEUSELBACH GERMANY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.33	0.09	2.41	46.3	99.1	0	30	
Ca++	0.31	0.10	8.40	43.7	99.1	0	30	
Cl-	0.80	0.10	3.80	113.2	99.1	0	30	
Mg++	0.070	0.005	0.540	10.0	99.1	0	30	
NO3-	0.30	0.14	2.24	42.7	99.1	0	30	
pH	5.14	4.02	6.74	1026.7	99.2	0	31	
K+	0.07	0.00	0.54	10.1	99.1	0	30	
Precip	-	0.0	20.2	142.0	100.0	47	90	
Na+	0.37	0.03	2.10	52.7	99.1	0	30	
SO4-- corr	0.41	0.15	3.41	58.3	99.1	0	30	
SO4--	0.44	0.16	3.52	62.7	99.1	0	30	

DE0004R DEUSELBACH GERMANY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.96	0.15	5.57	102.6	99.2	0	34	
Ca++	0.41	0.20	2.90	44.2	99.2	0	34	
Cl-	0.68	0.20	2.80	72.5	99.2	0	34	
Mg++	0.090	0.030	0.460	9.6	99.2	0	34	
NO3-	0.64	0.17	3.90	68.4	99.2	0	34	
pH	4.96	3.96	6.25	1163.9	97.7	0	29	
K+	0.11	0.02	1.03	11.3	99.2	0	34	
Precip	-	0.0	10.4	106.4	100.0	51	92	
Na+	0.33	0.02	1.77	35.5	99.2	0	34	
SO4-- corr	0.76	0.21	3.21	80.9	99.2	0	34	
SO4--	0.79	0.21	3.30	83.8	99.2	0	34	

DE0004R DEUSELBACH GERMANY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.16	3.21	103.0	99.8	0	45	
Ca++	0.28	0.10	2.40	65.0	99.9	0	46	
Cl-	0.23	0.00	4.80	54.9	99.9	3	46	
Mg++	0.049	0.020	0.470	11.5	99.9	0	46	
NO3-	0.44	0.15	2.10	103.9	99.9	0	46	
pH	4.73	4.13	6.24	4404.7	99.5	0	42	
K+	0.06	0.00	1.28	13.4	99.9	6	46	
Precip	-	0.0	23.7	235.4	100.0	44	92	
Na+	0.11	0.02	1.32	25.7	99.9	0	46	
SO4-- corr	0.53	0.19	1.87	124.7	99.9	0	46	
SO4--	0.54	0.20	1.90	127.3	99.9	0	46	

DE0004R DEUSELBACH GERMANY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.34	0.12	0.87	50.7	99.7	0	27	
Ca++	0.23	0.10	1.10	34.2	99.9	0	28	
Cl-	0.56	0.10	6.20	82.3	99.9	0	28	
Mg++	0.055	0.020	0.540	8.1	99.9	0	28	
NO3-	0.38	0.13	1.16	55.4	99.9	0	28	
pH	4.80	4.28	5.91	2322.1	99.7	0	27	
K+	0.04	0.00	0.30	5.5	99.9	5	28	
Precip	-	0.0	23.2	147.1	100.0	62	91	
Na+	0.26	0.00	3.89	38.7	99.9	3	28	
SO4-- corr	0.39	0.16	1.28	57.3	99.9	0	28	
SO4--	0.41	0.16	1.36	60.5	99.9	0	28	

DE0005R BROTJACKLRIEGEL GERMANY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.55	0.10	2.66	60.1	94.9	0	20	
Ca++	0.25	0.00	1.50	27.7	94.9	1	20	
Cl-	0.54	0.00	4.10	58.6	94.9	3	20	
Mg++	0.053	0.005	0.360	5.8	94.9	1	20	
NO3-	0.52	0.18	2.48	57.0	94.9	0	20	
pH	5.08	4.46	6.04	907.3	94.9	0	20	
K+	0.08	0.00	0.48	8.4	94.9	0	20	
Precip	-	0.0	15.5	109.5	100.0	64	90	
Na+	0.33	0.04	3.19	35.8	94.9	0	20	
SO4-- corr	0.45	0.14	1.74	49.7	94.9	0	20	
SO4--	0.48	0.22	1.83	52.7	94.9	0	20	

DE0005R BROTJACKLRIEGEL GERMANY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.17	0.36	4.36	245.3	99.2	0	36	
Ca++	0.49	0.10	2.10	102.2	98.5	0	33	
Cl-	0.36	0.00	12.70	76.0	99.2	1	36	
Mg++	0.045	0.005	0.520	9.5	98.5	3	33	
NO3-	0.77	0.28	3.59	160.3	99.2	0	36	
pH	5.09	3.94	6.48	1713.3	99.6	0	38	
K+	0.11	0.02	0.72	22.2	98.5	0	33	
Precip	-	0.0	22.7	208.8	100.0	48	92	
Na+	0.25	0.00	4.29	51.4	98.5	1	33	
SO4-- corr	0.80	0.28	2.46	167.5	99.2	0	36	
SO4--	0.82	0.28	2.82	171.5	99.2	0	36	

DE0005R BROTJACKLRIEGEL GERMANY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.62	0.09	1.89	207.5	89.6	0	42	
Ca++	0.25	0.00	1.50	82.5	89.6	1	42	
Cl-	0.13	0.00	0.60	41.9	89.6	4	42	
Mg++	0.021	0.005	0.120	7.0	89.6	9	42	
NO3-	0.45	0.20	1.70	149.4	89.6	0	42	
pH	4.77	4.12	6.41	5597.6	100.0	0	47	
K+	0.08	0.00	0.70	25.2	89.6	2	42	
Precip	-	0.0	26.6	332.2	100.0	45	92	
Na+	0.06	0.00	0.44	18.9	89.6	4	42	
SO4-- corr	0.58	0.28	2.08	192.6	89.6	0	42	
SO4--	0.58	0.28	2.11	194.4	89.6	0	42	

DE0005R BROTJACKLRIEGEL GERMANY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.61	0.09	2.93	89.9	98.9	0	22	
Ca++	0.25	0.00	1.20	36.3	98.9	1	22	
Cl-	0.28	0.10	4.10	41.2	98.9	0	22	
Mg++	0.033	0.005	0.340	4.8	98.9	2	22	
NO3-	0.56	0.18	2.71	81.7	98.9	0	22	
pH	4.76	3.97	5.72	2561.0	99.9	0	27	
K+	0.09	0.00	0.48	13.9	98.9	3	22	
Precip	-	0.0	23.7	146.5	100.0	63	91	
Na+	0.17	0.00	2.52	24.5	98.9	1	22	
SO4-- corr	0.57	0.13	2.01	83.1	98.9	0	22	
SO4--	0.58	0.14	2.13	85.0	98.9	0	22	

DE0007R NEUGLOBSOW GERMANY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.24	1.36	25.7	96.3	0	16	
Ca++	0.44	0.20	1.70	24.2	96.3	0	16	
Cl-	1.13	0.20	14.10	61.6	96.3	0	16	
Mg++	0.087	0.030	0.990	4.7	96.3	0	16	
NO3-	0.54	0.26	1.31	29.6	96.3	0	16	
pH	5.01	4.44	5.61	531.0	97.6	0	17	
K+	0.07	0.02	0.44	3.8	96.3	0	16	
Precip	-	0.0	10.4	54.5	100.0	63	90	
Na+	0.53	0.12	5.76	28.7	96.3	0	16	
SO4-- corr	0.52	0.33	1.62	28.4	96.3	0	16	
SO4--	0.56	0.37	2.10	30.8	96.3	0	16	

DE0007R NEUGLOBSOW GERMANY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.04	0.02	3.76	127.9	97.4	0	22	
Ca++	0.38	0.00	1.90	46.2	97.4	1	22	
Cl-	0.54	0.10	6.00	66.6	97.4	0	22	
Mg++	0.052	0.005	0.420	6.4	97.4	1	22	
NO3-	0.69	0.00	2.69	84.1	97.4	1	22	
pH	4.88	3.99	6.72	1620.7	99.3	0	29	
K+	0.18	0.03	3.63	21.8	97.4	0	22	
Precip	-	0.0	21.2	122.9	100.0	57	92	
Na+	0.24	0.00	3.28	29.1	97.4	1	22	
SO4-- corr	0.65	0.25	3.65	80.5	97.4	0	22	
SO4--	0.68	0.27	3.68	83.1	97.4	0	22	

DE0007R NEUGLOBSOW GERMANY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.58	0.16	3.20	83.0	99.6	0	19	
Ca++	0.33	0.10	1.70	47.1	99.6	0	19	
Cl-	0.28	0.10	0.80	40.0	99.6	0	19	
Mg++	0.035	0.005	0.170	5.0	99.6	2	19	
NO3-	0.45	0.15	1.49	63.7	99.6	0	19	
pH	4.69	3.78	6.36	2870.1	99.9	0	20	
K+	0.05	0.00	0.35	7.2	99.6	3	19	
Precip	-	0.0	39.8	141.8	100.0	70	92	
Na+	0.10	0.00	0.35	14.7	99.6	1	19	
SO4-- corr	0.60	0.29	3.36	84.9	99.6	0	19	
SO4--	0.61	0.30	3.37	86.3	99.6	0	19	

DE0007R NEUGLOBSOW GERMANY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.45	0.02	3.56	26.6	94.4	0	17	
Ca++	0.55	0.10	3.70	32.3	94.4	0	17	
Cl-	1.44	0.10	15.90	85.3	94.4	0	17	
Mg++	0.113	0.005	1.250	6.7	94.4	2	17	
NO3-	0.54	0.01	2.73	31.9	94.4	0	17	
pH	4.82	3.85	6.31	892.9	97.8	0	22	
K+	0.18	0.00	2.70	10.6	94.4	1	17	
Precip	-	0.0	11.4	59.3	100.0	59	91	
Na+	0.74	0.06	7.14	43.9	94.4	0	17	
SO4-- corr	0.50	-0.02	3.12	29.6	94.4	1	17	
SO4--	0.56	0.04	3.18	33.1	94.4	0	17	

DE0008R SCHMUCKE GERMANY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.15	2.33	117.2	98.3	0	32	
Ca++	0.15	0.00	2.80	40.4	98.1	1	31	
Cl-	0.57	0.20	10.20	151.5	98.3	0	32	
Mg++	0.041	0.005	0.350	11.0	98.1	5	31	
NO3-	0.44	0.18	2.40	118.7	98.3	0	32	
pH	4.89	3.96	6.35	3479.4	98.8	0	37	
K+	0.03	0.00	0.29	8.3	98.1	5	31	
Precip	-	0.0	40.6	266.8	100.0	22	90	
Na+	0.29	0.02	3.20	76.3	98.1	0	31	
SO4-- corr	0.44	0.19	2.38	117.4	98.3	0	32	
SO4--	0.46	0.20	2.41	123.9	98.3	0	32	

DE0008R SCHMUCKE GERMANY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.04	0.26	5.01	250.5	98.7	0	41	
Ca++	0.20	0.00	1.30	48.8	98.5	2	40	
Cl-	0.55	0.20	3.60	132.0	98.7	0	41	
Mg++	0.043	0.005	0.280	10.4	98.5	6	40	
NO3-	0.79	0.20	4.56	190.5	98.7	0	41	
pH	4.66	3.67	6.28	5292.8	98.9	0	43	
K+	0.12	0.02	1.14	28.6	98.5	0	40	
Precip	-	0.0	29.8	240.8	100.0	29	92	
Na+	0.28	0.04	2.36	67.3	98.5	0	40	
SO4-- corr	0.78	0.22	2.70	187.1	98.7	0	41	
SO4--	0.80	0.23	2.77	192.1	98.7	0	41	

DE0008R SCHMUCKE GERMANY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.55	0.01	2.05	129.1	98.4	0	38	
Ca++	0.18	0.00	1.60	42.8	98.8	3	40	
Cl-	0.25	0.00	1.90	58.2	98.8	1	40	
Mg++	0.023	0.005	0.150	5.3	98.8	9	40	
NO3-	0.46	0.11	2.50	107.8	98.8	0	40	
pH	4.66	3.79	5.82	5156.0	98.8	0	40	
K+	0.06	0.00	0.55	14.8	98.8	2	40	
Precip	-	0.0	23.6	234.2	100.0	27	92	
Na+	0.08	0.00	1.04	17.9	98.8	7	40	
SO4-- corr	0.54	0.18	2.47	126.5	98.8	0	40	
SO4--	0.55	0.18	2.47	128.3	98.8	0	40	

DE0008R SCHMUCKE GERMANY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.53	0.19	1.28	81.7	98.0	0	30	
Ca++	0.16	0.00	0.80	25.2	97.7	1	29	
Cl-	0.72	0.10	8.30	112.3	98.0	0	30	
Mg++	0.058	0.005	0.570	9.1	97.7	6	29	
NO3-	0.50	0.22	1.84	77.1	98.0	0	30	
pH	4.62	4.02	6.24	3749.7	98.5	0	32	
K+	0.14	0.00	1.61	21.5	97.7	1	29	
Precip	-	0.0	23.5	155.2	100.0	36	91	
Na+	0.38	0.00	4.40	59.4	97.7	1	29	
SO4-- corr	0.51	0.23	1.41	79.7	98.0	0	30	
SO4--	0.54	0.24	1.41	84.2	98.0	0	30	

DE0009R ZINGST GERMANY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.23	1.62	31.1	97.3	0	20	
Ca++	0.81	0.20	6.30	54.3	95.9	0	17	
Cl-	2.30	0.30	32.00	153.2	97.3	0	20	
Mg++	0.211	0.030	0.800	14.0	95.9	0	17	
NO3-	0.58	0.19	1.47	38.8	97.3	0	20	
pH	5.34	4.96	6.90	301.6	98.2	0	22	
K+	0.07	0.00	0.34	4.6	95.9	3	17	
Precip	-	0.0	11.9	66.6	100.0	60	90	
Na+	1.20	0.11	6.66	79.9	95.9	0	17	
SO4-- corr	0.72	0.23	3.48	48.0	97.3	0	20	
SO4--	0.83	0.33	3.57	55.0	97.3	0	20	

DE0009R ZINGST GERMANY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.68	0.10	7.86	106.8	99.5	0	28	
Ca++	0.66	0.20	6.50	103.6	99.0	0	26	
Cl-	0.83	0.20	32.20	131.1	99.5	0	28	
Mg++	0.101	0.040	1.720	16.0	99.0	0	26	
NO3-	0.61	0.25	2.39	95.7	99.5	0	28	
pH	4.96	4.04	6.86	1725.6	99.7	0	29	
K+	0.07	0.02	0.66	10.5	99.0	0	26	
Precip	-	0.0	23.9	158.1	100.0	58	92	
Na+	0.34	0.06	4.38	54.6	99.0	0	26	
SO4-- corr	0.92	0.21	6.01	145.3	99.5	0	28	
SO4--	0.95	0.25	6.24	150.6	99.5	0	28	

DE0009R ZINGST GERMANY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.50	0.11	5.53	53.6	99.3	0	22	
Ca++	0.89	0.10	4.10	95.1	99.3	0	22	
Cl-	0.73	0.30	2.40	77.6	99.3	0	22	
Mg++	0.184	0.050	0.690	19.6	99.3	0	22	
NO3-	0.58	0.21	4.71	62.2	99.3	0	22	
pH	4.90	4.21	6.77	1351.3	99.6	0	23	
K+	0.17	0.04	0.76	17.6	99.3	0	22	
Precip	-	0.0	23.3	106.5	100.0	65	92	
Na+	0.38	0.00	1.11	40.4	99.3	1	22	
SO4-- corr	0.97	0.35	3.78	103.0	99.3	0	22	
SO4--	1.00	0.37	3.87	106.3	99.3	0	22	

DE0009R ZINGST GERMANY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.88	0.12	5.83	124.0	98.5	0	33	
Ca++	0.65	0.20	4.10	91.6	98.1	0	31	
Cl-	3.70	0.10	52.00	521.5	98.5	0	33	
Mg++	0.296	0.005	3.980	41.7	98.1	1	31	
NO3-	0.85	0.09	6.51	119.8	98.5	0	33	
pH	4.70	3.57	7.32	2833.3	99.1	0	36	
K+	0.22	0.02	2.44	30.6	98.1	0	31	
Precip	-	0.0	21.2	141.1	100.0	46	91	
Na+	1.85	0.03	24.42	260.6	98.1	0	31	
SO4-- corr	0.94	0.23	7.32	133.1	98.5	0	33	
SO4--	1.10	0.24	8.26	155.2	98.5	0	33	

DK0003R TANGE DENMARK

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.50	0.00	5.82	54.8	99.2	1	27	
Ca++	0.08	0.01	1.04	8.3	97.8	6	24	
Cl-	3.06	0.32	41.60	334.1	99.4	1	28	
Mg++	0.182	0.010	2.610	19.9	97.8	2	24	
NO3-	0.49	0.08	3.83	53.3	99.4	0	28	
pH	4.77	4.19	5.43	1846.3	94.0	0	19	
K+	0.06	0.00	0.90	7.0	97.8	7	24	
Precip	-	0.0	12.3	109.2	100.0	50	90	
Na+	1.66	0.18	23.98	181.6	97.8	0	24	
SO4-- corr	0.55	0.10	7.22	60.3	99.4	0	28	
SO4--	0.68	0.11	7.33	74.3	99.4	0	28	

DK0003R TANGE DENMARK

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.60	0.00	4.17	72.1	97.6	1	27	
Ca++	0.09	0.00	0.56	10.3	97.5	12	26	
Cl-	1.24	0.19	51.10	149.1	99.7	7	34	
Mg++	0.064	0.000	0.390	7.7	97.5	11	26	
NO3-	0.49	0.00	4.45	59.1	99.7	1	34	
pH	4.58	4.13	6.10	3158.0	96.9	0	25	
K+	0.02	0.00	0.15	2.4	97.5	21	26	
Precip	-	0.0	11.0	120.3	100.0	43	92	
Na+	0.61	0.00	3.66	73.5	97.5	1	26	
SO4-- corr	0.62	0.07	2.30	74.1	99.7	0	34	
SO4--	0.67	0.07	3.71	80.0	99.7	0	34	

DK0003R TANGE DENMARK

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.62	0.03	2.88	112.5	99.7	0	31	
Ca++	0.08	0.00	0.81	13.5	99.1	9	28	
Cl-	0.47	0.17	3.07	84.8	99.9	12	32	
Mg++	0.026	0.000	0.130	4.8	98.0	18	27	
NO3-	0.40	0.08	1.52	73.0	99.9	0	32	
pH	4.74	4.30	6.59	3259.8	99.1	0	28	
K+	0.02	0.00	0.17	3.5	99.1	22	28	
Precip	-	0.0	33.6	181.3	100.0	56	92	
Na+	0.25	0.06	1.52	45.5	99.1	0	28	
SO4-- corr	0.53	0.10	1.97	95.3	99.9	0	32	
SO4--	0.54	0.10	2.01	98.3	99.9	0	32	

DK0003R TANGE DENMARK

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.45	0.03	2.97	73.4	99.1	0	40	
Ca++	0.15	0.01	1.42	25.0	98.5	4	38	
Cl-	3.50	0.14	64.80	568.5	99.6	2	44	
Mg++	0.235	0.030	4.380	38.2	98.1	5	37	
NO3-	0.45	0.05	3.92	72.8	99.6	0	44	
pH	4.74	4.00	5.97	2989.7	96.9	0	34	
K+	0.18	0.00	2.13	29.8	97.6	5	36	
Precip	-	0.0	21.8	162.6	100.0	36	91	
Na+	1.99	0.11	36.52	324.1	98.5	0	38	
SO4-- corr	0.44	0.07	3.04	72.4	99.6	0	44	
SO4--	0.60	0.09	3.21	97.5	99.6	0	44	

DK0005R KELDSNOR DENMARK

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.00	5.19	36.8	96.1	1	26	
Ca++	0.40	0.10	3.30	31.0	95.4	0	24	
Cl-	6.04	1.31	84.50	473.4	98.3	0	34	
Mg++	0.328	0.080	1.800	25.7	95.4	0	24	
NO3-	0.66	0.12	17.30	51.6	98.3	0	34	
pH	5.02	4.40	5.49	754.4	91.0	0	19	
K+	0.26	0.00	1.02	20.0	93.0	1	21	
Precip	-	0.0	10.1	78.3	100.0	39	90	
Na+	3.12	0.83	14.94	244.6	93.8	0	22	
SO4-- corr	0.68	0.20	12.86	52.9	98.3	0	34	
SO4--	0.91	0.34	16.80	71.1	98.3	0	34	

DK0005R KELDSNOR DENMARK

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.36	0.01	2.37	50.0	98.7	1	29	
Ca++	0.44	0.03	2.09	60.0	97.9	1	27	
Cl-	2.28	0.38	32.60	314.2	99.7	1	33	
Mg++	0.158	0.010	1.100	21.8	97.9	6	27	
NO3-	0.41	0.03	2.21	57.1	99.7	0	33	
pH	4.75	4.15	7.50	2435.9	97.7	0	26	
K+	0.12	0.01	1.06	16.9	97.9	8	27	
Precip	-	0.0	18.8	138.0	100.0	50	92	
Na+	1.15	0.00	9.57	159.0	97.7	3	26	
SO4-- corr	0.70	0.11	3.60	96.7	99.7	0	33	
SO4--	0.81	0.13	4.11	111.1	99.7	0	33	

DK0005R KELDSNOR DENMARK

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Cl-	14.50	14.50	14.50	3.6	100.0	0	1	
NO3-	2.99	2.99	2.99	0.7	100.0	0	1	
Precip	-	0.0	0.2	0.2	13.0	11	12	
SO4-- corr	11.32	11.32	11.32	2.8	100.0	0	1	
SO4--	12.00	12.00	12.00	3.0	100.0	0	1	

DK0005R KELDSNOR DENMARK

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.43	0.10	4.77	50.0	98.9	0	30	
Ca++	0.24	0.05	2.13	28.7	97.2	0	26	
Cl-	3.55	0.07	22.10	417.4	98.7	2	33	
Mg++	0.230	0.020	2.190	27.0	97.2	3	26	
NO3-	0.39	0.08	2.24	46.3	99.1	0	33	
pH	4.84	3.89	6.43	1689.2	95.5	0	23	
K+	0.21	0.02	1.51	24.9	97.2	3	26	
Precip	-	0.0	22.4	117.6	92.3	38	84	
Na+	2.21	0.18	24.20	260.2	97.2	0	26	
SO4-- corr	0.39	0.08	2.28	45.9	99.7	0	34	
SO4--	0.55	0.14	2.66	65.1	99.7	0	34	

DK0008R ANHOLT DENMARK

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.50	0.11	1.88	42.8	94.6	0	9	W
Ca++	0.36	0.06	1.33	31.3	99.7	0	10	W
Cl-	11.80	2.28	34.10	1012.9	99.7	0	10	W
Mg++	0.847	0.150	3.000	72.7	99.7	0	10	W
NO3-	0.74	0.38	3.48	63.4	99.7	0	10	W
pH	4.53	3.79	5.37	2529.4	99.7	0	10	W
K+	0.29	0.08	1.11	24.8	99.7	0	10	W
Precip	-	0.0	27.5	85.8	67.8	5	16	W
Na+	7.02	1.61	22.33	602.3	99.7	0	10	W
SO4-- corr	0.58	0.27	2.79	49.5	99.7	0	10	W
SO4-- corr	-	0.27	2.79	-	-	0	10	W
SO4--	1.15	0.37	4.66	98.8	99.7	0	10	W

DK0008R ANHOLT DENMARK

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.73	0.18	1.19	75.9	99.5	0	9	W
Ca++	0.37	0.13	0.95	38.6	99.5	0	9	W
Cl-	7.13	1.44	22.40	737.4	99.5	0	9	W
Mg++	0.508	0.110	1.640	52.5	99.5	0	9	W
NO3-	0.67	0.31	1.00	69.5	99.5	0	9	W
pH	4.55	4.33	6.62	2895.1	99.9	0	10	W
K+	0.17	0.05	0.62	18.1	99.5	0	9	W
Precip	-	0.0	26.0	103.4	114.1	3	14	W
Na+	4.43	0.99	14.30	458.4	99.5	0	9	W
SO4-- corr	0.84	0.49	1.11	87.2	99.5	0	9	W
SO4-- corr	-	0.49	1.11	-	-	0	9	W
SO4--	1.20	0.57	2.24	123.6	99.5	0	9	W

DK0008R ANHOLT DENMARK

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.57	0.12	1.37	132.8	100.0	0	8	W
Ca++	0.24	0.04	1.01	57.0	100.0	1	8	W
Cl-	1.92	0.70	5.54	450.7	100.0	0	8	W
Mg++	0.164	0.090	0.360	38.5	100.0	0	8	W
NO3-	0.63	0.20	1.02	147.9	100.0	0	8	W
pH	4.38	4.11	5.69	9780.3	100.0	0	8	W
K+	0.11	0.05	0.16	26.0	100.0	0	8	W
Precip	-	0.0	65.2	234.1	83.7	6	14	W
Na+	1.20	0.65	2.98	280.9	100.0	0	8	W
SO4-- corr	0.83	0.25	1.40	195.4	100.0	0	8	W
SO4-- corr	-	0.25	1.40	-	-	0	8	W
SO4--	0.93	0.41	1.45	218.4	100.0	0	8	W

DK0008R ANHOLT DENMARK

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.22	1.53	53.8	100.0	0	13	W
Ca++	0.56	0.06	2.85	63.9	100.0	0	13	W
Cl-	16.47	0.99	81.00	1898.4	100.0	0	13	W
Mg++	1.168	0.050	5.640	134.6	100.0	0	13	W
NO3-	0.68	0.30	1.59	78.2	100.0	0	13	W
pH	4.60	4.20	5.75	2898.0	99.1	0	12	W
K+	0.41	0.03	2.59	47.0	100.0	1	13	W
Precip	-	0.0	38.4	115.2	100.0	4	17	W
Na+	9.72	0.64	47.80	1120.1	100.0	0	13	W
SO4-- corr	0.59	0.32	1.29	68.4	100.0	0	13	W
SO4-- corr	-	0.32	1.29	-	-	0	13	W
SO4--	1.39	0.59	5.20	160.0	100.0	0	13	W

EE0009R LAHEMAA ESTONIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.25	0.04	0.90	12.6	85.0	0	12	
Ca++	0.38	0.00	1.60	18.5	96.8	1	18	
Cl-	0.88	0.20	5.70	43.6	99.2	0	20	
Mg++	0.053	0.010	0.190	2.6	96.8	0	18	
NO3-	0.64	0.13	3.07	31.5	99.2	0	20	
pH	4.47	3.82	6.54	1682.9	100.0	0	21	
K+	0.09	0.05	0.50	4.3	96.8	9	18	
Precip	-	0.0	8.0	49.3	65.6	38	59	
Na+	0.51	0.05	2.00	25.4	96.8	1	18	
SO4-- corr	0.56	0.17	2.42	27.5	99.2	0	20	
SO4--	0.60	0.18	2.56	29.3	99.2	0	20	

EE0009R LAHEMAA ESTONIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.37	0.12	0.77	16.0	74.2	0	13	
Ca++	0.65	0.00	2.60	28.2	94.9	3	25	
Cl-	0.70	0.30	3.80	30.2	95.6	0	26	
Mg++	0.069	0.010	0.360	3.0	94.9	0	25	
NO3-	0.60	0.07	3.44	25.9	95.6	0	26	
pH	4.81	4.14	7.58	677.4	100.0	0	32	
K+	0.14	0.03	0.70	6.2	92.4	2	23	
Precip	-	0.0	6.2	43.4	100.0	60	92	
Na+	0.34	0.02	2.20	14.6	92.4	0	23	
SO4-- corr	0.86	0.27	3.04	37.1	95.6	0	26	
SO4--	0.88	0.28	3.22	38.2	95.6	0	26	

EE0009R LAHEMAA ESTONIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.08	0.00	0.31	5.4	97.6	1	17	
Ca++	0.96	0.20	4.10	69.2	79.8	0	17	
Cl-	0.50	0.20	3.60	36.4	99.3	0	20	
Mg++	0.096	0.030	0.450	6.9	99.3	0	20	
NO3-	0.10	0.01	0.95	6.9	99.3	3	20	
pH	5.66	4.94	8.19	157.7	100.0	0	21	
K+	0.17	0.01	3.66	12.4	99.3	0	20	
Precip	-	0.0	10.5	72.2	98.9	71	91	
Na+	0.22	0.02	1.59	16.2	99.3	1	20	
SO4-- corr	0.55	0.00	2.86	39.9	99.3	0	20	
SO4--	0.57	0.05	2.99	41.3	99.3	0	20	

EE0009R LAHEMAA ESTONIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.05	0.00	0.44	5.7	87.6	9	30	
Ca++	0.95	0.00	10.30	105.6	92.9	2	40	
Cl-	1.05	0.20	7.80	116.9	94.1	0	40	
Mg++	0.098	0.005	1.700	10.9	94.5	2	42	
NO3-	0.18	0.01	1.46	19.7	66.6	8	33	
pH	5.43	4.34	9.02	416.9	95.2	0	45	
K+	0.09	0.01	0.89	10.0	94.6	12	44	
Precip	-	0.0	14.9	111.1	98.9	42	90	
Na+	0.36	0.04	3.23	39.7	94.5	0	42	
SO4-- corr	1.16	0.22	7.59	129.0	94.1	0	40	
SO4--	1.19	0.28	7.70	132.0	94.1	0	40	

EE0011R VILSANDI ESTONIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.70	0.70	0.70	6.2	100.0	0	1	
Ca++	1.50	1.50	1.50	13.2	100.0	0	1	
Cl-	11.80	11.80	11.80	103.8	100.0	0	1	
Mg++	0.540	0.540	0.540	4.8	100.0	0	1	
NO3-	1.47	1.47	1.47	12.9	100.0	0	1	
pH	5.25	5.25	5.25	49.5	100.0	0	1	
K+	0.40	0.40	0.40	3.5	100.0	0	1	
Precip	-	0.0	8.8	8.8	65.6	58	59	
Na+	3.80	3.80	3.80	33.4	100.0	0	1	
SO4-- corr	1.26	1.26	1.26	11.1	100.0	0	1	
SO4--	1.58	1.58	1.58	13.9	100.0	0	1	

EE0011R VILSANDI ESTONIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.51	0.26	0.82	33.1	100.0	0	8	
Ca++	0.85	0.05	2.20	55.2	100.0	1	8	
Cl-	1.24	0.20	5.70	81.0	100.0	0	8	
Mg++	0.137	0.060	0.310	8.9	100.0	0	8	
NO3-	0.63	0.20	1.17	40.7	100.0	0	8	
pH	5.22	4.87	6.46	394.2	100.0	0	8	
K+	0.29	0.10	1.10	18.8	100.0	0	8	
Precip	-	0.0	15.6	65.1	100.0	84	92	
Na+	0.75	0.21	3.20	48.8	100.0	0	8	
SO4-- corr	0.97	0.44	1.54	63.4	100.0	0	8	
SO4--	1.03	0.46	1.67	67.1	100.0	0	8	

EE0011R VILSANDI ESTONIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	3.53	0.00	11.00	113.5	100.0	1	4	
Ca++	1.19	0.20	3.90	38.2	100.0	0	4	
Cl-	1.05	0.30	5.80	33.8	100.0	0	4	
Mg++	0.394	0.110	0.900	12.6	100.0	0	4	
NO3-	0.42	0.11	1.20	13.4	100.0	0	4	
pH	6.49	6.28	7.33	10.4	100.0	0	4	
K+	1.77	0.51	4.60	56.8	100.0	0	4	
Precip	-	0.0	15.9	32.1	100.0	88	92	
Na+	0.78	0.28	1.48	25.0	100.0	0	4	
SO4-- corr	0.80	0.37	3.47	25.7	100.0	0	4	
SO4--	0.87	0.39	3.57	27.8	100.0	0	4	

EE0011R VILSANDI ESTONIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.28	0.00	2.90	70.7	100.0	1	18	
Ca++	0.15	0.00	2.00	39.2	100.0	10	18	
Cl-	3.11	0.50	9.60	797.4	100.0	0	18	
Mg++	0.196	0.030	0.650	50.4	100.0	0	18	
NO3-	0.24	0.01	2.21	61.1	100.0	5	18	
pH	5.07	4.14	6.85	2186.5	100.0	0	18	
K+	0.19	0.05	1.39	47.4	100.0	2	18	
Precip	-	0.0	36.6	256.6	100.0	73	91	
Na+	1.92	0.23	7.13	492.6	100.0	0	18	
SO4-- corr	0.47	0.19	2.37	120.5	100.0	0	18	
SO4--	0.59	0.22	2.74	152.0	100.0	0	18	

ES0001R TOLEDO SPAIN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.05	0.00	0.30	24.0	98.5	5	30	
I Ca++	0.15	0.03	1.35	69.4	97.8	0	29	
Cl-	0.47	0.03	1.44	223.8	99.8	0	32	
Mg++	0.035	0.010	0.180	16.7	97.8	0	29	
NO3-	0.07	0.00	1.58	32.1	99.8	0	32	
pH	5.12	4.51	7.71	3628.5	100.0	0	34	
I K+	0.06	0.03	0.25	27.3	97.8	6	29	
Precip	-	0.0	53.9	474.7	100.0	56	90	
Na+	0.26	0.05	0.76	125.3	97.8	0	29	
SO4-- corr	0.18	0.01	1.14	86.1	99.8	0	32	
SO4--	0.21	0.03	1.20	99.1	99.8	0	32	

ES0001R TOLEDO SPAIN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.43	0.00	1.39	43.7	95.7	1	15	
I Ca++	0.72	0.13	4.66	73.6	98.5	0	17	
Cl-	0.44	0.06	2.34	44.8	98.5	0	17	
Mg++	0.099	0.010	0.400	10.1	98.5	0	17	
NO3-	0.34	0.08	1.27	34.4	98.5	0	17	
pH	6.40	5.89	7.30	40.3	99.2	0	18	
I K+	0.16	0.03	0.57	15.9	98.5	2	17	
Precip	-	0.0	23.4	101.8	100.0	72	92	
Na+	0.45	0.06	1.83	45.9	98.5	0	17	
SO4-- corr	0.52	0.09	1.68	52.6	98.5	0	17	
SO4--	0.55	0.10	1.80	56.4	98.5	0	17	

ES0001R TOLEDO SPAIN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.14	0.00	0.64	7.8	74.8	1	9	
I Ca++	1.01	0.20	6.62	58.3	74.8	0	9	
Cl-	0.60	0.07	4.14	34.9	96.7	0	10	
Mg++	0.130	0.040	0.600	7.5	74.8	0	9	
NO3-	0.24	0.03	1.60	14.1	96.7	0	10	
pH	5.87	5.14	7.53	77.5	100.0	0	14	
I K+	0.15	0.03	0.90	8.6	74.8	3	9	
Precip	-	0.0	24.5	57.9	100.0	78	92	
Na+	0.38	0.07	2.31	21.7	74.8	0	9	
SO4-- corr	0.66	0.17	3.41	38.5	96.7	0	10	
SO4--	0.70	0.18	3.60	40.3	96.7	0	10	

ES0001R TOLEDO SPAIN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.11	0.00	1.62	32.6	99.0	16	29	
I Ca++	0.41	0.07	3.02	118.3	97.3	0	27	
Cl-	1.18	0.50	3.78	336.4	99.6	0	32	
Mg++	0.075	0.030	0.460	21.4	97.3	0	27	
NO3-	0.22	0.00	2.44	62.6	99.6	2	32	
pH	5.68	4.58	7.13	590.0	100.0	0	34	
I K+	0.10	0.03	0.73	28.1	97.3	16	27	
Precip	-	0.0	31.9	285.5	100.0	57	91	
Na+	0.42	0.07	1.97	120.8	97.3	0	27	
SO4-- corr	0.53	0.04	2.84	150.8	99.6	0	32	
SO4--	0.56	0.06	2.95	161.0	99.6	0	32	

ES0003R ROQUETAS SPAIN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.20	0.01	1.31	55.8	96.6	0	24	
I Ca++	0.79	0.17	4.19	222.3	96.6	0	24	
Cl-	1.72	0.03	11.45	486.3	100.0	1	28	
Mg++	0.199	0.040	1.450	56.2	96.6	0	24	
NO3-	0.33	0.00	2.53	92.4	100.0	1	28	
pH	5.42	5.16	6.86	1063.8	100.0	0	28	
I K+	0.13	0.03	0.49	36.8	96.6	5	24	
Precip	-	0.0	54.7	282.0	100.0	62	90	
Na+	1.03	0.08	6.30	290.3	96.6	0	24	
SO4-- corr	0.46	0.08	2.78	130.5	100.0	0	28	
SO4--	0.55	0.09	3.31	156.4	100.0	0	28	

ES0003R ROQUETAS SPAIN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.88	0.40	3.65	46.1	100.0	0	10	
I Ca++	4.99	1.22	34.00	259.7	100.0	0	10	
Cl-	2.58	0.28	35.45	134.5	100.0	0	10	
Mg++	0.402	0.080	3.800	21.0	100.0	0	10	
NO3-	0.78	0.05	5.81	40.6	100.0	0	10	
pH	6.87	6.63	7.64	7.1	100.0	0	10	
I K+	0.79	0.13	13.60	41.1	100.0	0	10	
Precip	-	0.0	14.3	52.1	100.0	82	92	
Na+	1.71	0.47	18.80	88.9	100.0	0	10	
SO4-- corr	1.94	0.26	17.74	101.2	100.0	0	10	
SO4--	2.09	0.30	19.31	108.6	100.0	0	10	

ES0003R ROQUETAS SPAIN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.35	0.00	1.42	64.7	99.9	2	18	
I Ca++	3.20	1.36	17.20	596.3	98.5	0	16	
Cl-	1.32	0.18	12.51	245.3	99.9	0	18	
Mg++	0.309	0.140	2.440	57.6	99.0	0	17	
NO3-	0.76	0.11	9.94	141.8	99.9	0	18	
pH	6.84	6.58	7.44	26.7	100.0	0	19	
I K+	0.19	0.03	1.50	34.7	99.0	1	17	
Precip	-	0.0	42.7	186.4	101.1	73	92	
Na+	0.83	0.19	6.00	154.2	99.0	0	17	
SO4-- corr	1.20	0.16	11.94	223.9	99.9	0	18	
SO4--	1.27	0.18	12.27	236.8	99.9	0	18	

ES0003R ROQUETAS SPAIN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.28	0.06	1.86	29.5	100.0	0	15	
I Ca++	3.59	2.12	19.40	373.4	97.7	0	12	
Cl-	1.38	0.41	20.23	143.9	100.0	0	15	
Mg++	0.355	0.200	2.000	36.9	97.7	0	12	
NO3-	0.70	0.28	11.71	72.9	100.0	0	15	
pH	6.89	6.61	7.94	13.5	100.0	0	15	
I K+	0.34	0.11	1.46	35.9	97.7	0	12	
Precip	-	0.0	39.1	104.0	100.0	76	91	
Na+	0.63	0.22	8.80	65.3	97.7	0	12	
SO4-- corr	1.20	0.45	12.85	125.2	100.0	0	15	
SO4--	1.26	0.49	13.28	131.0	100.0	0	15	

ES0004R LOGRONO SPAIN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.32	0.01	1.37	50.6	100.0	0	15	
I Ca++	0.47	0.13	2.66	72.7	100.0	0	15	
Cl-	0.40	0.03	1.54	62.8	100.0	0	15	
Mg++	0.059	0.015	0.290	9.2	100.0	0	15	
NO3-	0.23	0.00	1.27	35.1	100.0	0	15	
pH	5.34	5.22	6.58	704.7	100.0	0	15	
I K+	0.12	0.03	0.42	18.2	100.0	0	15	
Precip	-	0.0	50.7	155.5	100.0	75	90	
Na+	0.21	0.03	0.87	32.5	100.0	0	15	
SO4-- corr	0.42	0.04	2.38	65.7	100.0	0	15	
SO4--	0.44	0.04	2.45	68.5	100.0	0	15	

ES0004R LOGRONO SPAIN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	1.02	0.19	3.42	107.2	100.0	0	13	
I Ca++	1.64	0.35	6.48	173.1	100.0	0	13	
Cl-	1.48	0.04	25.38	156.0	100.0	0	13	
Mg++	0.147	0.040	0.490	15.5	100.0	0	13	
NO3-	0.53	0.04	1.60	56.1	100.0	0	13	
pH	6.47	5.98	7.69	35.5	100.0	0	13	
I K+	0.30	0.03	1.09	31.3	100.0	1	13	
Precip	-	0.0	19.5	105.3	100.0	79	92	
Na+	1.20	0.15	19.20	126.8	100.0	0	13	
SO4-- corr	1.12	0.14	4.14	117.6	100.0	0	13	
SO4--	1.17	0.15	4.48	122.8	100.0	0	13	

ES0004R LOGRONO SPAIN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.68	0.10	4.84	137.4	100.0	0	23	
I Ca++	0.86	0.25	3.34	175.6	100.0	0	23	
Cl-	0.44	0.07	1.45	90.1	100.0	0	23	
Mg++	0.076	0.020	0.380	15.5	100.0	0	23	
NO3-	0.36	0.05	1.54	73.7	100.0	0	23	
pH	6.04	5.36	6.86	184.2	100.0	0	23	
I K+	0.17	0.03	1.31	34.2	100.0	6	23	
Precip	-	0.0	31.0	203.6	100.0	69	92	
Na+	0.20	0.05	1.71	40.2	100.0	0	23	
SO4-- corr	0.78	0.05	2.58	158.5	100.0	0	23	
SO4--	0.80	0.05	2.61	162.0	100.0	0	23	

ES0004R LOGRONO SPAIN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.88	0.00	6.31	114.8	100.0	1	17	
I Ca++	0.48	0.01	1.92	62.5	97.7	0	15	
Cl-	0.99	0.03	16.83	129.0	100.0	2	17	
Mg++	0.343	0.030	1.660	44.6	97.7	0	15	
NO3-	0.35	0.17	3.06	46.0	100.0	0	17	
pH	6.43	6.10	7.80	47.9	100.0	0	17	
I K+	0.27	0.03	2.18	34.6	97.7	5	15	
Precip	-	0.0	31.5	129.8	100.0	74	91	
Na+	0.27	0.06	1.46	35.3	97.7	0	15	
SO4-- corr	0.78	0.35	6.20	101.3	100.0	0	17	
SO4--	0.82	0.39	6.31	106.0	100.0	0	17	

ES0005R NOIA SPAIN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.10	0.00	0.44	42.8	100.0	1	28	
I Ca++	0.39	0.12	2.63	170.0	100.0	0	28	
Cl-	2.95	0.56	22.33	1298.8	100.0	0	28	
Mg++	0.262	0.060	1.200	115.4	100.0	0	28	
NO3-	0.14	0.00	0.83	62.4	100.0	0	28	
pH	5.02	4.15	6.09	4240.9	100.0	0	28	
I K+	0.23	0.07	0.61	100.2	100.0	0	28	
Precip	-	0.0	61.7	440.5	100.0	62	90	
Na+	2.76	0.45	10.00	1216.6	100.0	0	28	
SO4-- corr	0.28	0.10	1.29	122.9	100.0	0	28	
SO4--	0.47	0.24	1.69	207.5	100.0	0	28	

ES0005R NOIA SPAIN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.22	0.00	4.31	78.1	96.9	10	29	
I Ca++	0.40	0.10	2.46	140.5	99.9	0	30	
Cl-	3.71	0.17	19.86	1304.5	100.0	0	31	
Mg++	0.209	0.020	0.850	73.5	99.9	0	30	
NO3-	0.25	0.00	3.32	88.0	100.0	4	31	
pH	5.49	4.48	7.28	1137.8	100.0	0	31	
I K+	0.24	0.03	1.38	85.1	99.9	5	30	
Precip	-	0.0	52.3	351.9	100.0	61	92	
Na+	2.16	0.21	8.80	760.3	99.9	0	30	
SO4-- corr	0.69	0.15	4.36	242.4	100.0	0	31	
SO4--	0.83	0.19	4.72	291.2	100.0	0	31	

ES0005R NOIA SPAIN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.16	0.00	3.61	51.1	98.2	13	23	
I Ca++	0.40	0.14	2.17	126.9	97.6	0	22	
Cl-	5.03	0.16	11.23	1607.9	98.2	0	23	
Mg++	0.353	0.070	0.900	112.7	97.6	0	22	
NO3-	0.26	0.00	3.57	82.5	98.2	3	23	
pH	5.48	4.86	6.92	1065.3	100.0	0	24	
I K+	0.26	0.03	2.70	83.8	97.6	2	22	
Precip	-	0.0	53.8	319.4	100.0	68	92	
Na+	3.18	0.48	7.90	1014.8	97.6	0	22	
SO4-- corr	4.10	0.08	66.56	1310.8	98.2	0	23	
SO4--	4.34	0.14	66.94	1386.1	98.2	0	23	

ES0005R NOIA SPAIN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.06	0.00	4.05	86.6	99.7	18	38	
I Ca++	0.32	0.03	5.22	493.1	99.7	0	38	
Cl-	5.51	0.39	80.55	8360.4	100.0	0	40	
Mg++	1.301	0.030	27.000	1974.8	99.7	0	38	
NO3-	0.18	0.00	9.25	266.7	100.0	7	40	
pH	5.58	4.35	6.98	4002.2	100.0	0	40	
I K+	0.16	0.03	2.80	248.4	99.7	5	38	
Precip	-	0.0	201.8	1517.5	100.0	52	91	
Na+	3.01	0.39	24.50	4570.5	99.7	0	38	
SO4-- corr	1.02	0.17	76.47	1548.8	100.0	0	40	
SO4--	1.26	0.23	76.76	1908.9	100.0	0	40	

ES0006R MAHON SPAIN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.69	0.00	8.49	87.3	100.0	4	35	
I Ca++	8.11	2.05	32.80	1021.9	100.0	0	35	
Cl-	82.33	25.22	188.17	10373.2	100.0	0	35	
Mg++	5.654	1.650	13.750	712.5	100.0	0	35	
NO3-	0.73	0.03	1.24	92.4	100.0	0	35	
pH	5.40	5.09	7.56	500.8	100.0	0	35	
I K+	7.22	0.50	70.75	910.3	100.0	0	35	
Precip	-	0.0	29.6	126.0	100.0	61	90	
Na+	40.02	12.75	96.25	5042.0	100.0	0	35	
SO4-- corr	3.16	-0.22	23.68	397.6	100.0	1	35	
SO4--	6.57	2.25	27.97	827.5	100.0	0	35	

ES0006R MAHON SPAIN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	4.04	0.00	5.39	104.7	42.1	7	11	
I Ca++	26.94	4.70	32.90	697.6	65.3	0	12	
Cl-	531.26	63.14	641.00	13759.7	65.3	0	12	
Mg++	37.068	3.200	48.500	960.1	65.3	0	12	
NO3-	10.88	0.84	17.52	281.9	65.3	0	12	
pH	7.34	6.50	7.69	1.2	100.0	0	14	
I K+	11.35	1.40	14.60	294.0	65.3	0	12	
Precip	-	0.0	8.6	25.9	100.0	87	92	
Na+	302.74	5.96	435.00	7841.1	65.3	0	12	
SO4-- corr	7.48	0.80	11.93	193.7	65.3	0	12	
SO4--	29.81	2.91	38.30	772.1	65.3	0	12	

ES0006R MAHON SPAIN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	-	0.03	0.15	-	0.0	0	2	
I Ca++	25.80	11.00	25.80	1011.4	9.9	0	2	
Cl-	408.91	74.28	572.00	16029.3	37.5	0	6	
Mg++	14.000	5.600	14.000	548.8	9.9	0	2	
NO3-	5.73	2.74	11.10	224.4	16.6	0	5	
pH	7.36	6.99	7.95	1.7	100.0	0	10	
I K+	6.00	2.70	6.00	235.2	9.9	0	2	
Precip	-	0.0	24.3	39.2	100.0	86	92	
Na+	101.39	44.75	101.39	3974.5	9.9	0	2	
SO4-- corr	9.12	2.08	11.55	357.6	37.5	0	6	
SO4--	27.38	6.38	36.67	1073.1	37.5	0	6	

ES0006R MAHON SPAIN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.12	0.00	0.87	18.4	94.2	4	12	
I Ca++	2.78	0.40	11.30	425.5	93.8	0	11	
Cl-	43.39	2.76	401.10	6651.7	96.5	0	14	
Mg++	3.048	0.400	25.500	467.3	93.8	0	11	
NO3-	0.68	0.19	6.51	103.6	96.5	0	14	
pH	6.38	5.78	7.07	63.9	100.0	0	15	
I K+	1.01	0.13	8.60	154.9	93.8	0	11	
Precip	-	0.0	81.2	153.3	100.0	76	91	
Na+	23.31	3.00	200.00	3573.5	93.8	0	11	
SO4-- corr	1.05	-0.28	6.72	160.5	96.5	1	14	
SO4--	3.03	0.63	20.09	464.7	96.5	0	14	

ES0007R VIZNAR SPAIN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.03	0.00	0.23	12.6	99.8	10	35	
I Ca++	0.46	0.17	1.82	212.9	98.0	0	33	
Cl-	0.37	0.03	1.61	169.0	99.8	0	35	
Mg++	0.156	0.055	0.580	72.1	98.0	0	33	
NO3-	0.06	0.00	0.37	26.6	99.8	5	35	
pH	5.38	5.16	6.61	1919.3	100.0	0	36	
I K+	0.09	0.03	0.23	43.4	98.0	4	33	
Precip	-	0.0	33.3	463.4	100.0	54	90	
Na+	0.25	0.08	0.86	115.2	98.0	0	33	
SO4-- corr	0.20	0.01	1.39	90.9	99.8	1	35	
SO4--	0.23	0.03	1.40	105.5	99.8	1	35	

ES0007R VIZNAR SPAIN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.41	0.00	1.10	66.8	97.8	2	16	
I Ca++	2.57	0.88	10.15	412.2	97.8	0	16	
Cl-	0.64	0.24	3.27	103.0	98.3	0	17	
Mg++	0.395	0.120	1.970	63.4	97.8	0	16	
NO3-	0.56	0.15	3.06	90.6	98.3	0	17	
pH	6.59	6.12	8.21	41.7	100.0	0	18	
I K+	0.28	0.13	1.11	45.5	97.8	0	16	
Precip	-	0.0	49.8	160.7	100.0	74	92	
Na+	0.53	0.25	2.34	84.9	97.8	0	16	
SO4-- corr	0.88	0.34	2.94	141.4	98.3	0	17	
SO4--	0.93	0.36	3.04	148.6	98.3	0	17	

ES0007R VIZNAR SPAIN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.17	0.00	0.46	12.1	98.9	1	7	
I Ca++	2.40	1.11	20.20	171.8	98.9	0	7	
Cl-	0.50	0.17	2.90	35.7	98.9	0	7	
Mg++	0.285	0.140	1.900	20.4	98.9	0	7	
NO3-	0.49	0.16	4.84	34.9	98.9	0	7	
pH	6.65	6.45	7.44	16.1	100.0	0	8	
I K+	0.16	0.03	1.27	11.1	98.9	2	7	
Precip	-	0.0	19.7	71.5	100.0	84	92	
Na+	0.35	0.13	3.00	24.9	98.9	0	7	
SO4-- corr	0.62	0.27	5.05	44.7	98.9	0	7	
SO4--	0.65	0.28	5.30	46.8	98.9	0	7	

ES0007R VIZNAR SPAIN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.04	0.00	0.19	12.9	99.3	18	28	
I Ca++	0.99	0.37	3.40	351.0	98.5	0	25	
Cl-	1.15	0.29	4.27	407.9	100.0	0	31	
Mg++	0.202	0.100	0.580	71.9	98.5	0	25	
NO3-	0.29	0.10	8.02	102.6	100.0	0	31	
pH	6.37	6.00	7.23	150.7	100.0	0	31	
I K+	0.11	0.03	0.50	37.5	98.5	11	25	
Precip	-	0.0	29.3	355.4	100.0	60	91	
Na+	0.44	0.11	1.79	154.7	98.5	0	25	
SO4-- corr	0.50	0.23	5.64	177.3	100.0	0	31	
SO4--	0.54	0.24	5.84	190.6	100.0	0	31	

FI0004F AHTARI FINLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.09	0.00	0.58	10.6	98.1	1	49	
Ca++	0.05	0.01	0.45	6.0	98.1	0	49	
Cl-	0.33	0.05	2.09	38.9	98.1	0	49	
Mg++	0.027	0.004	0.191	3.2	98.1	0	49	
NO3-	0.25	0.05	1.32	29.8	98.1	0	49	
pH	4.80	3.89	5.65	1870.4	98.9	0	53	
K+	0.05	0.02	0.35	5.3	98.1	0	49	
Precip	-	0.0	11.8	104.7	100.0	32	90	
Precip off	-	0.0	12.5	118.3	100.0	27	90	
Na+	0.17	0.00	1.41	20.7	98.1	0	49	
SO4-- corr	0.18	0.00	0.86	21.8	98.1	1	49	
SO4--	0.20	0.01	0.97	23.5	98.1	1	49	

FI0004F AHTARI FINLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.19	0.03	1.43	26.5	99.1	0	37	
Ca++	0.09	0.01	1.16	13.2	99.1	0	37	
Cl-	0.27	0.04	1.36	37.0	99.1	0	37	
Mg++	0.027	0.002	0.233	3.7	99.1	1	37	
NO3-	0.26	0.05	2.20	35.6	99.1	0	37	
pH	4.68	3.93	6.43	2872.9	99.4	0	38	
K+	0.05	0.03	0.25	6.9	99.1	0	37	
Precip	-	0.0	11.6	118.3	100.0	50	92	
Precip off	-	0.0	17.8	139.2	100.0	49	92	
Na+	0.15	0.01	0.86	21.2	99.1	0	37	
SO4-- corr	0.32	0.05	1.85	45.0	99.1	0	37	
SO4--	0.34	0.07	1.87	46.8	99.1	0	37	

FI0004F AHTARI FINLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.10	0.00	0.54	16.8	100.0	2	28	
Ca++	0.07	0.01	0.89	11.4	100.0	0	28	
Cl-	0.08	0.03	1.75	14.3	100.0	0	28	
Mg++	0.014	0.002	0.127	2.4	100.0	2	28	
NO3-	0.13	0.04	0.61	22.9	100.0	0	28	
pH	4.77	4.28	5.25	2967.5	100.0	0	28	
K+	0.05	0.02	0.27	8.1	100.0	0	28	
Precip	-	0.0	27.1	162.5	100.0	64	92	
Precip off	-	0.0	27.8	173.3	100.0	64	92	
Na+	0.04	0.01	1.03	7.6	100.0	0	28	
SO4-- corr	0.25	0.05	0.54	43.6	100.0	0	28	
SO4--	0.25	0.05	0.54	44.2	100.0	0	28	

FI0004F AHTARI FINLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.09	0.00	0.55	16.8	98.9	2	46	
Ca++	0.04	0.00	0.87	7.7	98.9	1	46	
Cl-	0.13	0.02	0.97	24.3	98.9	0	46	
Mg++	0.014	0.002	0.233	2.5	98.9	4	46	
NO3-	0.16	0.00	1.10	28.2	98.9	2	46	
pH	4.75	3.96	6.11	3259.8	99.3	0	49	
K+	0.05	0.02	0.27	9.4	98.9	0	46	
Precip	-	0.0	14.1	166.8	100.0	37	91	
Precip off	-	0.0	14.9	181.6	100.0	32	91	
Na+	0.07	0.01	0.55	13.3	98.9	0	46	
SO4-- corr	0.22	0.02	1.16	39.4	98.9	0	46	
SO4--	0.22	0.03	1.16	40.5	98.9	0	46	

FI0009F UTO FINLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.49	0.03	1.55	65.0	52.4	0	21	
Ca++	0.23	0.07	1.10	30.7	52.4	0	21	
Cl-	5.34	0.45	17.37	702.8	52.4	0	21	
Mg++	0.399	0.032	1.562	52.5	52.4	0	21	
NO3-	0.96	0.14	5.65	126.6	52.4	0	21	
pH	4.53	3.89	5.45	3918.3	66.6	0	25	
K+	0.20	0.05	0.70	26.9	52.4	0	21	
Precip	-	0.0	3.4	28.9	100.0	60	90	
Precip off	-	0.0	24.9	131.6	100.0	38	90	
Na+	3.42	0.27	14.76	450.2	52.4	0	21	
SO4-- corr	0.75	0.15	3.18	98.6	52.4	0	21	
SO4--	1.02	0.34	3.69	134.9	52.4	0	21	

FI0009F UTO FINLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.84	0.11	1.94	84.9	95.0	0	18	
Ca++	0.89	0.03	2.33	90.1	95.0	0	18	
Cl-	21.01	0.13	70.56	2128.1	95.0	0	18	
Mg++	1.474	0.013	4.887	149.3	95.0	0	18	
NO3-	0.94	0.24	2.15	95.4	95.0	0	18	
pH	4.40	3.85	6.14	4007.6	96.3	0	20	
K+	0.66	0.04	2.11	66.5	95.0	0	18	
Precip	-	0.0	14.0	41.1	100.0	69	92	
Precip off	-	0.0	26.6	101.3	100.0	57	92	
Na+	10.97	0.06	36.43	1111.4	95.0	0	18	
SO4-- corr	0.91	0.15	2.56	92.0	95.0	0	18	
SO4--	1.83	0.24	4.76	184.9	95.0	0	18	

FI0009F UTO FINLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.48	0.00	0.93	54.0	98.4	2	17	
Ca++	0.12	0.05	0.82	14.0	98.4	0	17	
Cl-	0.54	0.18	2.84	60.5	98.4	0	17	
Mg++	0.045	0.018	0.249	5.0	98.4	0	17	
NO3-	0.37	0.00	0.76	41.4	98.4	1	17	
pH	4.63	4.15	5.68	2638.0	98.4	0	17	
K+	0.06	0.03	0.24	7.3	98.4	0	17	
Precip	-	0.0	36.2	88.2	100.0	73	92	
Precip off	-	0.0	40.5	112.4	100.0	70	92	
Na+	0.30	0.11	1.69	34.1	98.4	0	17	
SO4-- corr	0.58	0.07	1.27	65.5	98.4	0	17	
SO4--	0.61	0.14	1.29	68.2	98.4	0	17	

FI0009F UTO FINLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.24	0.00	1.25	61.7	96.1	1	39	
Ca++	0.16	0.04	0.80	40.8	96.1	0	39	
Cl-	2.07	0.40	9.44	532.1	96.1	0	39	
Mg++	0.141	0.028	0.550	36.1	96.1	0	39	
NO3-	0.36	0.04	1.20	93.1	96.1	0	39	
pH	4.57	4.04	6.00	6945.9	96.5	0	41	
K+	0.18	0.03	2.17	45.4	96.1	0	39	
Precip	-	0.0	35.0	144.6	100.0	43	91	
Precip off	-	0.0	38.3	256.6	100.0	34	91	
Na+	1.19	0.21	5.50	305.1	96.1	0	39	
SO4-- corr	0.43	0.03	1.65	111.2	96.1	0	39	
SO4--	0.53	0.07	1.77	135.7	96.1	0	39	

FI0017F VIROLAHTI II FINLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.26	0.05	1.77	38.9	97.3	0	38	
Ca++	0.36	0.03	1.36	52.7	97.3	0	38	
Cl-	0.55	0.06	4.82	81.1	97.3	0	38	
Mg++	0.065	0.007	0.438	9.7	97.3	0	38	
NO3-	0.46	0.09	3.03	68.6	97.3	0	38	
pH	4.66	3.94	5.39	3215.3	97.5	0	39	
K+	0.12	0.03	1.14	17.0	97.3	0	38	
Precip	-	0.0	9.9	117.7	100.0	40	90	
Precip off	-	0.0	12.1	148.0	100.0	33	90	
Na+	0.30	0.02	2.39	44.1	97.3	0	38	
SO4-- corr	0.61	0.04	1.90	90.3	97.3	0	38	
SO4--	0.63	0.04	2.10	94.0	97.3	0	38	

FI0017F VIROLAHTI II FINLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.39	0.06	2.27	37.5	96.6	0	28	
Ca++	0.49	0.04	6.96	47.2	96.6	0	28	
Cl-	0.72	0.05	2.44	68.9	96.6	0	28	
Mg++	0.085	0.009	0.403	8.1	96.6	0	28	
NO3-	0.42	0.14	3.04	40.3	96.6	0	28	
pH	4.67	3.76	6.75	2047.0	96.6	0	28	
K+	0.14	0.03	0.84	12.9	96.6	0	28	
Precip	-	0.0	12.6	73.1	100.0	60	92	
Precip off	-	0.0	15.8	95.7	100.0	57	92	
Na+	0.40	0.02	1.32	37.8	96.6	0	28	
SO4-- corr	0.69	0.12	3.02	65.7	96.6	0	28	
SO4--	0.72	0.16	3.13	68.9	96.6	0	28	

FI0017F VIROLAHTI II FINLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.38	0.00	1.51	52.2	98.0	1	15	
Ca++	0.17	0.02	0.95	23.8	98.0	0	15	
Cl-	0.16	0.04	0.77	22.1	98.0	0	15	
Mg++	0.032	0.009	0.147	4.5	98.0	0	15	
NO3-	0.30	0.08	1.20	41.1	98.0	0	15	
pH	4.66	4.12	5.77	3012.1	98.6	0	17	
K+	0.13	0.03	0.52	18.0	98.0	0	15	
Precip	-	0.0	33.8	119.7	100.0	74	92	
Precip off	-	0.0	37.0	138.4	100.0	70	92	
Na+	0.07	0.02	0.48	10.0	98.0	0	15	
SO4-- corr	0.54	0.10	2.09	74.0	98.0	0	15	
SO4--	0.54	0.10	2.10	74.9	98.0	0	15	

FI0017F VIROLAHTI II FINLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.26	0.00	2.29	54.9	99.2	0	48	
Ca++	0.18	0.01	4.99	38.7	99.2	0	48	
Cl-	0.49	0.02	4.05	104.6	99.2	0	48	
Mg++	0.048	0.002	0.426	10.3	99.2	2	48	
NO3-	0.25	0.00	2.27	53.1	99.2	1	48	
pH	4.78	3.84	6.42	3525.6	99.6	0	50	
K+	0.14	0.02	1.66	28.8	99.2	0	48	
Precip	-	0.0	19.2	182.6	100.0	40	91	
Precip off	-	0.0	21.2	213.3	100.0	36	91	
Na+	0.27	0.01	1.96	58.0	99.2	0	48	
SO4-- corr	0.42	0.04	5.16	88.8	99.2	0	48	
SO4--	0.44	0.04	5.18	93.6	99.2	0	48	

FI0022F OULANKA FINLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.04	0.00	0.25	5.2	95.1	1	47	
Ca++	0.02	0.00	0.09	2.6	95.1	1	47	
Cl-	0.25	0.03	2.50	33.2	95.1	0	47	
Mg++	0.017	0.002	0.156	2.2	95.1	0	47	
NO3-	0.18	0.04	0.86	23.9	95.1	0	47	
pH	4.83	4.07	5.37	1963.6	95.7	0	49	
K+	0.03	0.00	0.17	4.3	95.1	1	47	
Precip	-	0.0	8.5	98.2	100.0	36	90	
Precip off	-	0.0	11.2	133.5	100.0	26	90	
Na+	0.12	0.01	1.40	16.2	95.1	0	47	
SO4-- corr	0.10	0.01	0.47	13.7	95.1	0	47	
SO4--	0.11	0.03	0.50	15.0	95.1	0	47	

FI0022F OULANKA FINLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.08	0.01	0.39	11.4	98.5	0	38	
Ca++	0.05	0.01	0.72	7.1	98.5	0	38	
Cl-	0.18	0.03	3.01	25.1	98.5	0	38	
Mg++	0.014	0.002	0.232	2.0	98.5	3	38	
NO3-	0.14	0.04	0.71	20.5	98.5	0	38	
pH	4.66	4.10	5.06	3056.0	98.9	0	40	
K+	0.06	0.00	0.50	8.2	98.5	1	38	
Precip	-	0.0	12.6	110.8	100.0	51	92	
Precip off	-	0.0	14.1	140.7	100.0	44	92	
Na+	0.10	0.01	1.80	14.8	98.5	0	38	
SO4-- corr	0.27	0.04	1.26	37.7	98.5	0	38	
SO4--	0.28	0.04	1.27	38.8	98.5	0	38	

FI0022F OULANKA FINLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.07	0.00	0.73	10.4	98.9	3	29	
Ca++	0.03	0.00	1.62	4.4	98.9	1	29	
Cl-	0.06	0.00	0.49	9.0	98.9	3	29	
Mg++	0.009	0.003	0.163	1.4	98.9	0	29	
NO3-	0.08	0.02	0.75	12.9	98.9	0	29	
pH	4.79	4.03	5.24	2538.1	99.2	0	31	
K+	0.03	0.00	0.23	5.3	98.9	2	29	
Precip	-	0.0	23.6	132.3	100.0	60	92	
Precip off	-	0.0	25.9	157.0	100.0	55	92	
Na+	0.03	0.01	0.32	5.3	98.9	0	29	
SO4-- corr	0.19	0.05	1.86	30.6	98.9	0	29	
SO4--	0.20	0.05	1.88	31.0	98.9	0	29	

FI0022F OULANKA FINLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.07	0.00	0.65	9.7	98.4	1	51	
Ca++	0.04	0.00	0.90	6.3	98.4	5	51	
Cl-	0.29	0.00	3.28	42.7	98.4	3	51	
Mg++	0.020	0.002	0.215	2.9	98.4	11	51	
NO3-	0.11	0.01	0.54	15.7	98.4	0	51	
pH	4.86	4.13	6.09	2006.4	98.9	0	54	
K+	0.10	0.00	2.39	14.3	98.4	4	51	
Precip	-	0.0	21.7	124.6	100.0	36	91	
Precip off	-	0.0	22.5	145.5	100.0	24	91	
Na+	0.17	0.00	1.83	24.5	98.4	1	51	
SO4-- corr	0.16	0.02	1.18	22.8	98.4	0	51	
SO4--	0.17	0.03	1.20	24.6	98.4	0	51	

FR0003F LA CROUZILLE FRANCE

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.23	0.01	1.55	45.8	84.6	1	25	
Ca++	0.33	0.01	1.87	65.1	84.6	2	25	
Cl-	1.38	0.08	18.42	272.7	84.6	0	25	
Mg++	0.158	0.010	1.310	31.2	84.6	1	25	
NO3-	0.22	0.04	1.25	43.9	84.6	0	25	
pH	5.01	3.79	6.08	1950.6	92.8	0	31	
Q K+	0.05	0.00	0.42	10.5	84.6	0	25	
Precip	-	0.4	19.8	197.3	78.9	38	71	
Na+	0.87	0.02	10.76	170.7	84.6	0	25	
SO4-- corr	0.28	0.01	1.51	54.3	84.6	0	25	
SO4--	0.35	0.06	1.66	68.3	84.6	0	25	

FR0003F LA CROUZILLE FRANCE

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.11	4.95	53.5	93.1	0	17	
Ca++	0.29	0.07	6.98	35.7	93.1	0	17	
Cl-	0.96	0.14	11.72	117.1	93.1	0	17	
Mg++	0.148	0.040	1.590	18.0	93.1	0	17	
NO3-	0.24	0.14	2.41	29.6	93.1	0	17	
pH	5.83	5.26	7.07	178.3	93.3	0	18	
Q K+	0.14	0.04	1.18	16.5	93.1	0	17	
Precip	-	0.2	27.2	121.3	100.0	71	92	
Na+	0.67	0.11	9.79	81.1	93.1	0	17	
SO4-- corr	0.41	0.22	3.10	49.1	93.1	0	17	
SO4--	0.46	0.24	3.92	55.9	93.1	0	17	

FR0003F LA CROUZILLE FRANCE

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.36	0.01	2.83	107.1	90.7	1	29	
Ca++	0.25	0.03	2.41	74.3	90.7	0	29	
Cl-	0.63	0.03	6.24	188.8	90.7	1	29	
Mg++	0.141	0.030	0.850	42.1	90.7	0	29	
NO3-	0.26	0.06	1.86	77.1	90.7	0	29	
pH	5.26	4.75	6.98	1618.5	91.3	0	32	
Q K+	0.08	0.00	0.89	24.4	90.7	4	29	
Precip	-	0.4	27.0	297.9	100.0	53	92	
Na+	0.44	0.02	3.86	131.2	90.7	0	29	
SO4-- corr	0.34	0.10	1.65	100.1	90.7	0	29	
SO4--	0.37	0.11	1.86	111.1	90.7	0	29	

FR0003F LA CROUZILLE FRANCE

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.35	0.01	3.73	80.7	98.9	2	36	
Ca++	0.22	0.03	1.22	50.5	98.9	0	36	
Cl-	1.68	0.07	5.11	383.2	98.9	0	36	
Mg++	0.207	0.010	0.730	47.3	98.9	1	36	
NO3-	0.25	0.00	1.14	57.3	98.9	1	36	
pH	5.18	4.52	7.04	1507.8	100.0	0	39	
Q K+	0.08	0.00	0.86	17.7	98.9	6	36	
Precip	-	0.2	24.8	228.6	100.0	52	91	
Na+	1.01	0.05	3.01	231.3	98.9	0	36	
SO4-- corr	0.31	0.00	1.85	70.9	98.9	1	36	
SO4--	0.39	0.01	1.92	89.9	98.9	1	36	

FR0005F LA HAGUE FRANCE

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.42	0.04	3.33	96.6	86.2	0	34	
Ca++	0.44	0.01	2.32	100.0	86.2	0	34	
Cl-	12.43	0.40	75.19	2830.2	86.2	0	34	
Mg++	0.946	0.020	6.700	215.4	86.2	0	34	
NO3-	0.53	0.04	4.01	120.7	86.2	0	34	
pH	4.83	3.74	6.02	3376.3	96.5	0	41	
Q K+	0.29	0.00	2.01	65.3	86.2	0	34	
Precip	-	0.2	14.4	227.7	91.1	32	82	
Na+	7.22	0.19	38.91	1643.7	86.2	0	34	
SO4-- corr	0.64	-0.04	3.77	145.5	86.2	1	34	
SO4--	1.24	0.27	5.12	282.7	86.2	0	34	

FR0005F LA HAGUE FRANCE

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.38	0.01	1.57	48.2	94.4	1	22	
Ca++	0.54	0.11	2.22	67.6	94.4	0	22	
Cl-	4.71	0.65	14.41	591.5	94.4	0	22	
Mg++	0.391	0.110	1.250	49.1	94.4	0	22	
NO3-	0.30	0.11	0.80	37.8	94.4	0	22	
pH	5.11	4.49	6.73	972.5	96.5	0	25	
Q K+	0.25	0.03	1.91	31.3	94.4	0	22	
Precip	-	0.2	23.4	125.7	100.0	64	92	
Na+	2.83	0.46	8.63	355.9	94.4	0	22	
SO4-- corr	0.51	0.17	1.19	63.6	94.4	0	22	
SO4--	0.74	0.21	1.53	93.2	94.4	0	22	

FR0005F LA HAGUE FRANCE

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.52	0.16	2.24	117.3	54.6	0	18	
Ca++	0.28	0.07	0.80	62.3	54.6	0	18	
Cl-	3.64	0.27	18.05	820.9	54.6	0	18	
Mg++	0.294	0.020	1.240	66.3	54.6	0	18	
NO3-	0.33	0.11	1.42	75.4	54.6	0	18	
pH	5.29	4.80	6.65	1164.9	56.0	0	22	
Q K+	0.12	0.00	0.40	26.5	54.6	1	18	
Precip	-	0.2	23.5	225.7	100.0	52	92	
Na+	2.07	0.15	10.13	466.4	54.6	0	18	
SO4-- corr	0.39	0.04	1.04	88.8	54.6	0	18	
SO4--	0.57	0.21	1.30	127.8	54.6	0	18	

FR0005F LA HAGUE FRANCE

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.27	0.08	1.69	93.6	98.4	0	33	
Ca++	0.25	0.03	0.88	86.5	98.4	0	33	
Cl-	5.60	0.23	21.08	1953.2	98.4	0	33	
Mg++	0.418	0.010	1.490	145.6	98.4	1	33	
NO3-	0.20	0.05	0.95	70.7	98.4	0	33	
pH	5.06	4.45	6.65	3046.5	99.3	0	37	
Q K+	0.11	0.00	0.40	39.8	98.4	3	33	
Precip	-	0.2	37.4	348.5	100.0	50	91	
Na+	3.18	0.14	11.77	1108.3	98.4	0	33	
SO4-- corr	0.23	0.02	1.13	79.1	98.4	0	33	
SO4--	0.49	0.17	1.44	171.2	98.4	0	33	

FR0008F DONON FRANCE

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.18	0.01	0.71	54.6	94.6	1	26	
Ca++	0.51	0.01	17.96	152.2	92.3	3	25	
Cl-	0.35	0.03	1.51	104.4	94.6	1	26	
Mg++	0.057	0.010	0.370	17.1	94.6	6	26	
NO3-	0.17	0.08	0.52	50.0	94.6	0	26	
pH	5.21	4.61	7.34	1855.3	97.3	0	32	
Q K+	0.03	0.00	0.37	8.7	94.6	9	26	
Precip	-	0.2	74.0	299.6	78.9	35	71	
Na+	0.21	0.02	1.04	63.8	94.6	2	26	
SO4-- corr	0.26	0.08	1.39	78.0	94.6	0	26	
SO4--	0.28	0.08	1.48	83.4	94.6	0	26	

FR0008F DONON FRANCE

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.70	0.05	2.49	194.6	98.8	0	37	
Ca++	0.16	0.01	0.99	43.7	98.8	1	37	
Cl-	0.41	0.03	3.23	114.5	98.8	1	37	
Mg++	0.051	0.010	0.270	14.2	98.8	6	37	
NO3-	0.41	0.07	1.56	113.1	98.8	0	37	
pH	4.95	4.13	6.74	3133.6	99.8	0	39	
Q K+	0.07	0.02	0.28	20.3	98.8	0	37	
Precip	-	0.2	19.5	276.0	100.0	53	92	
Na+	0.25	0.02	1.91	68.2	98.8	0	37	
SO4-- corr	0.55	0.10	1.52	150.5	98.8	0	37	
SO4--	0.57	0.10	1.61	156.2	98.8	0	37	

FR0008F DONON FRANCE

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.34	0.05	1.59	150.2	98.6	0	46	
Ca++	0.11	0.01	0.54	46.6	98.6	4	46	
Cl-	0.21	0.03	2.50	93.7	98.6	1	46	
Mg++	0.028	0.010	0.330	12.4	98.6	25	46	
NO3-	0.27	0.07	1.44	119.2	98.6	0	46	
pH	4.82	4.07	6.56	6698.0	99.1	0	48	
Q K+	0.03	0.00	0.14	13.2	98.6	12	46	
Precip	-	0.5	37.0	439.5	100.0	43	92	
Na+	0.13	0.02	1.48	59.0	98.6	6	46	
SO4-- corr	0.33	0.09	1.38	146.1	98.6	0	46	
SO4--	0.34	0.10	1.39	150.9	98.6	0	46	

FR0008F DONON FRANCE

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.20	0.00	0.85	63.2	99.0	1	29	
Ca++	0.08	0.00	0.82	26.1	99.0	5	29	
Cl-	0.40	0.00	3.13	128.2	99.0	1	29	
Mg++	0.034	0.000	0.220	10.8	99.0	10	29	
NO3-	0.24	0.00	1.03	75.4	99.0	1	29	
pH	4.80	4.25	5.85	4999.5	99.2	0	29	
Q K+	0.02	0.00	0.15	6.9	99.0	14	29	
Precip	-	0.0	50.0	319.1	100.0	61	91	
Na+	0.22	0.00	1.77	70.1	99.0	1	29	
SO4-- corr	0.25	0.00	0.99	81.3	99.0	1	29	
SO4--	0.27	0.00	1.05	86.8	99.0	1	29	

FR0009F REVIN FRANCE

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.50	0.03	1.47	127.1	91.2	0	22	
Ca++	0.44	0.01	7.87	112.2	91.2	0	22	
Cl-	1.21	0.06	11.20	310.0	91.2	0	22	
Mg++	0.152	0.010	0.840	39.1	91.2	2	22	
NO3-	0.27	0.08	1.16	69.6	91.2	0	22	
pH	5.43	4.14	6.72	964.7	95.7	0	27	
Q K+	0.05	0.00	0.49	14.2	91.2	4	22	
Precip	-	0.2	44.5	256.8	77.8	37	70	
Na+	0.70	0.02	6.05	178.8	91.2	0	22	
SO4-- corr	0.35	0.10	1.15	90.5	91.2	0	22	
SO4--	0.41	0.13	1.23	105.5	91.2	0	22	

FR0009F REVIN FRANCE

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.74	0.01	5.13	184.7	89.3	1	25	
Ca++	0.35	0.03	1.90	89.1	89.3	0	25	
Cl-	0.99	0.11	6.72	248.0	89.7	0	26	
Mg++	0.099	0.010	0.810	24.9	89.7	2	26	
NO3-	0.37	0.06	2.44	93.2	89.7	0	26	
pH	5.29	4.62	7.27	1282.2	95.4	0	29	
Q K+	0.10	0.00	1.71	25.4	89.7	1	26	
Precip	-	0.4	25.0	250.9	100.0	57	92	
Na+	0.58	0.04	3.66	145.8	89.7	0	26	
SO4-- corr	0.57	0.16	3.81	144.0	89.7	0	26	
SO4--	0.62	0.16	4.12	156.0	89.7	0	26	

FR0009F REVIN FRANCE

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.34	0.01	1.75	105.6	96.4	1	34	
	Ca++	0.21	0.03	2.95	65.4	96.4	0	34	
	Cl-	0.30	0.03	1.82	91.5	96.4	3	34	
	Mg++	0.040	0.010	0.630	12.3	96.4	10	34	
	NO3-	0.32	0.10	1.63	100.4	96.4	0	34	
	pH	4.79	4.17	6.35	5045.2	99.4	0	37	
Q	K+	0.03	0.00	0.43	7.6	96.4	11	34	
	Precip	-	0.2	28.0	309.6	100.0	51	92	
	Na+	0.17	0.02	1.07	51.9	96.4	5	34	
	SO4-- corr	0.38	0.12	1.63	117.1	96.4	0	34	
	SO4--	0.39	0.12	1.66	121.2	96.4	0	34	

FR0009F REVIN FRANCE

September 1997 - November 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.28	0.03	1.07	81.1	93.5	0	27	
	Ca++	0.10	0.01	1.11	28.8	93.5	1	27	
	Cl-	0.57	0.03	2.42	166.5	93.5	1	27	
	Mg++	0.041	0.010	0.310	11.8	93.5	9	27	
	NO3-	0.24	0.04	0.69	70.7	93.5	0	27	
	pH	4.84	4.36	5.58	4179.4	95.4	0	29	
Q	K+	0.02	0.00	0.14	6.2	93.5	10	27	
	Precip	-	0.5	38.5	291.0	100.0	60	91	
	Na+	0.35	0.02	1.67	101.1	93.5	1	27	
	SO4-- corr	0.31	0.07	1.22	91.0	93.5	0	27	
	SO4--	0.34	0.07	1.24	98.1	93.5	0	27	

FR0010F MORVAN FRANCE

December 1996 - February 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.27	0.08	1.57	48.4	77.3	0	24	
	Ca++	0.50	0.01	1.52	90.2	77.3	0	24	
	Cl-	1.20	0.03	6.37	216.2	77.3	0	24	
	Mg++	0.158	0.010	0.600	28.5	77.3	1	24	
	NO3-	0.18	0.04	1.54	32.0	77.3	0	24	
	pH	5.50	4.08	7.32	566.4	80.1	0	32	
Q	K+	0.04	0.00	0.48	6.8	77.3	6	24	
	Precip	-	0.2	26.4	180.7	87.8	36	79	
	Na+	0.74	0.02	4.16	132.8	77.3	0	24	
	SO4-- corr	0.21	0.06	2.10	38.3	77.3	0	24	
	SO4--	0.27	0.10	2.12	49.5	77.3	0	24	

FR0010F MORVAN FRANCE

March 1997 - May 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.38	0.07	3.29	77.6	90.2	0	23	
	Ca++	0.19	0.04	1.62	39.0	90.2	0	23	
	Cl-	0.57	0.08	2.58	116.9	90.2	0	23	
	Mg++	0.065	0.020	0.220	13.3	90.2	0	23	
	NO3-	0.23	0.07	1.50	46.8	90.2	0	23	
	pH	5.28	4.40	6.57	1074.7	93.3	0	25	
Q	K+	0.07	0.02	0.19	14.7	90.2	0	23	
	Precip	-	0.2	25.0	206.5	100.0	64	92	
	Na+	0.35	0.08	1.49	72.0	90.2	0	23	
	SO4-- corr	0.32	0.09	1.34	65.8	90.2	0	23	
	SO4--	0.35	0.10	1.36	71.7	90.2	0	23	

FR0010F MORVAN FRANCE

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.29	0.03	1.10	114.9	97.3	0	36	
	Ca++	0.19	0.02	0.94	77.3	97.3	0	36	
	Cl-	0.38	0.03	1.99	151.6	97.3	1	36	
	Mg++	0.050	0.010	0.210	19.9	97.3	8	36	
	NO3-	0.20	0.07	0.68	81.2	97.3	0	36	
	pH	5.13	4.51	6.19	2948.5	97.3	0	36	
Q	K+	0.10	0.00	1.15	39.2	97.3	6	36	
	Precip	-	0.2	27.5	398.8	100.0	53	92	
	Na+	0.23	0.02	1.16	93.3	97.3	2	36	
	SO4-- corr	0.32	0.07	0.84	126.2	97.3	0	36	
	SO4--	0.34	0.07	0.87	133.6	97.3	0	36	

FR0010F MORVAN FRANCE

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.20	0.03	0.67	60.0	87.6	0	24	
Ca++	0.12	0.01	0.77	36.4	87.6	1	24	
Cl-	0.51	0.03	2.95	155.7	87.6	1	24	
Mg++	0.050	0.010	0.260	15.1	87.6	7	24	
NO3-	0.17	0.05	1.20	50.9	87.6	0	24	
pH	5.06	4.15	5.85	2632.1	89.7	0	28	
Q K+	0.09	0.00	1.65	27.9	87.6	8	24	
Precip	-	0.4	32.0	302.4	100.0	57	91	
Na+	0.30	0.02	1.77	90.6	87.6	2	24	
SO4-- corr	0.25	0.03	1.40	76.8	87.6	0	24	
SO4--	0.28	0.03	1.42	84.0	87.6	0	24	

FR0011F BONNEVAUX FRANCE

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.24	0.03	0.52	61.7	49.6	0	21	
Ca++	0.66	0.12	3.36	167.6	49.6	0	21	
Cl-	0.60	0.03	4.94	152.4	49.6	1	21	
Mg++	0.127	0.010	0.490	32.1	49.6	4	21	
NO3-	0.15	0.00	0.64	38.9	49.6	1	21	
pH	5.67	5.10	7.28	544.6	57.0	0	24	
Q K+	0.03	0.00	0.20	8.1	49.6	1	21	
Precip	-	0.2	30.0	253.4	81.1	33	73	
Na+	0.37	0.02	2.93	94.5	49.6	0	21	
SO4-- corr	0.24	0.08	0.48	61.1	49.6	0	21	
SO4--	0.27	0.09	0.53	69.0	49.6	0	21	

FR0011F BONNEVAUX FRANCE

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.40	0.05	1.21	136.0	79.5	0	24	
Ca++	0.48	0.08	8.46	163.5	79.5	0	24	
Cl-	0.35	0.03	1.61	119.4	79.5	1	24	
Mg++	0.102	0.020	0.500	34.7	79.5	0	24	
NO3-	0.23	0.06	0.63	77.7	79.5	0	24	
pH	5.54	5.05	7.53	974.7	80.8	0	27	
Q K+	0.15	0.00	2.43	51.2	79.5	1	24	
Precip	-	0.2	42.0	339.8	100.0	57	92	
Na+	0.20	0.03	0.93	69.5	79.5	0	24	
SO4-- corr	0.37	0.11	0.93	124.4	79.5	0	24	
SO4--	0.38	0.11	0.95	130.2	79.5	0	24	

FR0011F BONNEVAUX FRANCE

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.30	0.01	1.24	167.5	80.4	1	36	
Ca++	0.26	0.04	1.84	144.2	80.4	0	36	
Cl-	0.32	0.03	4.02	176.8	80.4	1	36	
Mg++	0.042	0.010	0.380	23.5	80.4	17	36	
NO3-	0.25	0.09	1.39	139.8	80.4	0	36	
pH	5.02	4.21	6.88	5343.0	80.7	0	39	
Q K+	0.03	0.00	0.50	15.9	80.4	16	36	
Precip	-	0.2	75.0	558.6	100.0	45	92	
Na+	0.18	0.02	2.30	98.2	80.4	10	36	
SO4-- corr	0.31	0.08	1.36	172.2	80.4	0	36	
SO4--	0.32	0.11	1.37	180.5	80.4	0	36	

FR0011F BONNEVAUX FRANCE

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.15	0.01	1.22	59.0	99.4	2	32	
Ca++	0.29	0.01	1.78	117.7	99.4	1	32	
Cl-	0.27	0.03	1.50	108.5	99.4	1	32	
Mg++	0.043	0.010	0.210	17.4	99.4	9	32	
NO3-	0.15	0.04	0.84	59.2	99.4	0	32	
pH	5.13	4.50	6.58	2975.6	99.4	0	32	
Q K+	0.04	0.00	0.47	14.0	99.4	14	32	
Precip	-	0.5	58.5	402.9	100.0	56	91	
Na+	0.14	0.02	0.92	58.6	99.4	6	32	
SO4-- corr	0.20	0.05	0.98	81.6	99.4	0	32	
SO4--	0.21	0.07	1.01	86.4	99.4	0	32	

FR0012F IRATY FRANCE

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.24	0.01	1.90	65.0	78.4	0	16	
Ca++	1.68	0.01	16.41	445.9	78.4	0	16	
Cl-	0.58	0.03	4.09	154.8	78.4	0	16	
Mg++	0.121	0.010	0.570	32.3	78.4	0	16	
NO3-	0.27	0.04	0.91	72.3	78.4	0	16	
pH	5.35	4.40	7.18	1198.2	78.4	0	16	
Q K+	0.12	0.00	1.29	32.1	78.4	0	16	
Precip	-	0.8	34.5	266.1	74.4	41	67	
Na+	0.44	0.02	2.87	118.0	78.4	0	16	
SO4-- corr	0.44	0.09	1.38	116.0	78.4	0	16	
SO4--	0.47	0.09	1.47	126.0	78.4	0	16	

FR0012F IRATY FRANCE

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.22	0.01	0.90	64.7	83.4	1	12	
Ca++	0.55	0.02	1.72	158.2	82.8	0	11	
Cl-	0.23	0.03	1.12	65.5	83.4	1	12	
Mg++	0.067	0.010	0.360	19.4	83.4	1	12	
NO3-	0.19	0.05	1.07	55.9	83.4	0	12	
pH	5.38	4.95	6.61	1206.2	83.9	0	13	
Q K+	0.06	0.00	0.21	17.1	83.4	1	12	
Precip	-	0.2	43.5	290.1	100.0	70	92	
Na+	0.17	0.02	1.04	49.5	83.4	0	12	
SO4-- corr	0.38	0.12	2.91	111.7	83.4	0	12	
SO4--	0.40	0.12	2.95	115.8	83.4	0	12	

FR0012F IRATY FRANCE

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.37	0.09	1.66	135.3	82.7	0	25	
Ca++	0.41	0.06	2.20	152.2	82.7	0	25	
Cl-	0.22	0.03	3.89	79.6	82.7	2	25	
Mg++	0.039	0.010	0.230	14.6	82.7	3	25	
NO3-	0.22	0.05	1.48	80.6	82.7	0	25	
pH	5.04	4.31	7.09	3382.6	83.3	0	29	
Q K+	0.01	0.00	0.41	5.7	82.7	13	25	
Precip	-	0.2	83.0	370.4	100.0	53	92	
Na+	0.15	0.02	3.83	54.9	82.7	0	25	
SO4-- corr	0.50	0.04	2.08	183.4	82.7	0	25	
SO4--	0.51	0.04	2.10	187.3	82.7	0	25	

FR0012F IRATY FRANCE

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.13	0.01	0.48	27.1	99.8	1	26	
Ca++	0.23	0.01	1.81	48.6	99.8	1	26	
Cl-	0.79	0.05	3.85	169.4	99.8	0	26	
Mg++	0.077	0.010	0.300	16.5	99.8	6	26	
NO3-	0.14	0.06	0.51	29.9	99.8	0	26	
pH	5.11	4.58	6.42	1657.7	99.8	0	26	
Q K+	0.02	0.00	0.12	4.1	99.8	16	26	
Precip	-	0.5	24.1	215.3	100.0	64	91	
Na+	0.48	0.02	2.28	103.1	99.8	1	26	
SO4-- corr	0.23	0.06	0.77	49.7	99.8	0	26	
SO4--	0.27	0.09	0.79	58.0	99.8	0	26	

GB0002R ESKDALEMUIR UNITED KINGDOM

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.22	0.01	2.51	79.6	99.9	1	49	
Ca++	0.16	0.03	0.85	57.9	99.9	2	49	
Cl-	4.47	0.30	29.59	1648.9	99.9	0	49	
Mg++	0.341	0.025	2.028	126.0	99.9	0	49	
NO3-	0.20	0.01	3.72	74.0	99.9	0	49	
pH	5.07	4.14	5.49	3142.7	99.9	0	49	
K+	0.10	0.03	0.50	36.2	99.9	5	49	
Precip	-	0.0	31.5	369.3	100.0	34	90	
Na+	2.46	0.04	16.15	908.6	99.9	0	49	
SO4-- corr	0.34	0.09	2.79	127.5	99.9	0	49	
SO4--	0.55	0.12	3.89	203.2	99.9	0	49	

GB0002R ESKDALEMUIR UNITED KINGDOM

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.28	0.04	2.08	65.4	100.0	0	39	
Ca++	0.20	0.03	1.60	47.6	100.0	4	39	
Cl-	2.26	0.21	39.41	532.8	100.0	0	39	
Mg++	0.180	0.025	3.070	42.4	100.0	3	39	
NO3-	0.22	0.06	1.91	51.1	100.0	0	39	
pH	4.95	4.33	6.35	2666.0	100.0	0	39	
K+	0.06	0.03	0.60	14.8	100.0	12	39	
Precip	-	0.2	28.7	236.2	100.0	54	92	
Na+	1.29	0.01	20.38	305.6	100.0	1	39	
SO4-- corr	0.36	0.09	1.91	85.8	100.0	0	39	
SO4--	0.47	0.11	2.13	111.3	100.0	0	39	

GB0002R ESKDALEMUIR UNITED KINGDOM

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.34	0.01	1.87	94.6	100.0	3	49	
Ca++	0.13	0.03	1.69	37.0	100.0	7	49	
Cl-	0.69	0.25	5.96	192.2	100.0	0	49	
Mg++	0.059	0.025	0.315	16.4	100.0	21	49	
NO3-	0.37	0.04	2.11	104.5	100.0	0	49	
pH	4.44	3.89	5.43	10134.2	100.0	0	49	
K+	0.04	0.03	1.27	12.1	100.0	31	49	
Precip	-	0.5	14.2	279.1	93.5	37	86	
Na+	0.32	0.04	3.28	90.3	100.0	0	49	
SO4-- corr	0.59	0.00	3.36	163.5	100.0	1	49	
SO4--	0.61	0.02	3.40	171.1	100.0	1	49	

GB0002R ESKDALEMUIR UNITED KINGDOM

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.21	0.05	2.24	59.9	99.7	0	47	
Ca++	0.13	0.03	0.69	37.7	99.7	6	47	
Cl-	1.15	0.34	9.85	332.5	99.7	0	47	
Mg++	0.114	0.025	0.876	32.9	99.7	8	47	
NO3-	0.25	0.01	2.41	72.7	99.7	1	47	
pH	4.64	3.81	5.43	6669.5	99.7	0	47	
K+	0.04	0.03	0.37	11.5	99.7	26	47	
Precip	-	0.1	24.6	288.7	100.0	39	91	
Na+	0.62	0.10	6.34	179.5	99.7	0	47	
SO4-- corr	0.33	0.09	2.18	96.2	99.7	0	47	
SO4--	0.38	0.13	2.71	111.0	99.7	0	47	

GB0006R LOUGH NAVAR UNITED KINGDOM

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.15	0.01	3.50	39.1	100.0	14	42	
Ca++	0.58	0.13	3.26	150.8	100.0	0	42	
Cl-	12.23	0.42	75.51	3198.0	100.0	0	42	
Mg++	1.016	0.126	7.273	265.8	100.0	0	42	
NO3-	0.11	0.03	2.88	29.8	100.0	7	42	
pH	5.48	4.70	6.29	860.8	100.0	0	42	
K+	0.25	0.03	1.97	65.3	100.0	2	42	
Precip	-	0.0	18.7	261.6	100.0	48	90	
Na+	6.68	0.09	46.68	1747.9	100.0	0	42	
SO4-- corr	0.14	-0.46	3.48	37.8	100.0	1	42	
SO4--	0.70	0.14	3.73	183.6	100.0	0	42	

GB0006R LOUGH NAVAR UNITED KINGDOM

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.20	0.04	1.62	46.3	100.0	4	41	
Ca++	0.36	0.18	1.49	83.9	100.0	0	41	
Cl-	4.41	0.39	47.08	1033.2	100.0	0	41	
Mg++	0.342	0.070	3.352	80.1	100.0	0	41	
NO3-	0.14	0.04	0.80	31.9	100.0	0	41	
pH	5.67	5.01	6.52	503.7	100.0	0	41	
K+	0.16	0.03	1.06	38.4	100.0	2	41	
Precip	-	0.5	31.1	234.4	87.0	39	80	
Na+	2.45	0.14	26.86	573.6	100.0	1	41	
SO4-- corr	0.25	0.08	1.14	58.4	100.0	0	41	
SO4--	0.45	0.16	2.45	105.9	100.0	0	41	

GB0006R LOUGH NAVAR UNITED KINGDOM

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.46	0.07	3.24	132.3	99.0	0	37	
Ca++	0.47	0.17	1.62	134.1	99.0	0	37	
Cl-	1.41	0.14	14.52	403.5	99.0	0	37	
Mg++	0.169	0.025	1.192	48.5	99.0	1	37	
NO3-	0.30	0.06	1.32	86.5	99.0	0	37	
pH	5.04	4.31	6.90	2612.0	99.0	0	37	
K+	0.09	0.03	0.68	26.4	99.0	15	37	
Precip	-	0.2	31.1	286.8	78.3	34	72	
Na+	0.77	0.05	8.49	220.5	99.0	1	37	
SO4-- corr	0.42	0.07	2.22	120.6	99.0	0	37	
SO4--	0.49	0.10	2.30	139.0	99.0	0	37	

GB0006R LOUGH NAVAR UNITED KINGDOM

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.19	0.04	2.23	59.7	99.8	2	44	
Ca++	0.37	0.06	2.52	112.0	99.8	0	44	
Cl-	2.98	0.03	32.91	911.6	99.8	1	44	
Mg++	0.331	0.025	3.068	101.3	99.8	1	44	
NO3-	0.18	0.04	1.91	54.6	99.8	10	44	
pH	5.13	3.93	6.53	2265.2	99.8	0	44	
K+	0.07	0.03	0.70	20.8	99.8	18	44	
Precip	-	0.0	30.4	306.1	100.0	40	91	
Na+	1.66	0.08	18.63	507.7	99.8	1	44	
SO4-- corr	0.21	0.04	2.45	64.9	99.8	0	44	
SO4--	0.35	0.07	2.46	107.4	99.8	0	44	

GB0013R YARNER WOOD UNITED KINGDOM

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.27	0.01	3.91	47.7	100.0	5	25	
Ca++	0.28	0.09	1.12	49.0	100.0	0	25	
Cl-	6.65	0.59	20.27	1165.2	100.0	0	25	
Mg++	0.535	0.106	1.511	93.7	100.0	0	25	
NO3-	0.24	0.03	2.39	41.8	100.0	0	25	
pH	4.97	4.18	5.38	1870.0	100.0	0	25	
K+	0.12	0.03	0.36	21.0	100.0	2	25	
Precip	-	0.0	31.3	175.2	100.0	65	90	
Na+	3.81	0.28	11.32	667.9	100.0	0	25	
SO4-- corr	0.35	0.06	2.94	60.6	100.0	0	25	
SO4--	0.66	0.15	3.08	115.9	100.0	0	25	

GB0013R YARNER WOOD UNITED KINGDOM

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.47	0.13	2.20	8.5	100.0	0	2	
Ca++	0.29	0.13	1.09	5.2	100.0	0	2	
Cl-	1.52	1.49	1.66	27.2	100.0	0	2	
Mg++	0.248	0.189	0.541	4.4	100.0	0	2	
NO3-	0.67	0.34	2.28	12.0	100.0	0	2	
pH	4.55	4.20	4.68	500.1	100.0	0	2	
K+	0.09	0.07	0.20	1.6	100.0	0	2	
Precip	-	3.0	14.9	17.9	33.7	29	31	
Na+	0.89	0.86	1.05	15.9	100.0	0	2	
SO4-- corr	0.69	0.31	2.57	12.4	100.0	0	2	
SO4--	0.77	0.39	2.66	13.7	100.0	0	2	

GB0013R YARNER WOOD UNITED KINGDOM

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q								
NH4+	0.75	0.08	2.65	141.3	100.0	0	21	
Ca++	0.29	0.03	11.57	53.7	100.0	2	21	
Cl-	1.27	0.22	13.32	237.3	100.0	0	21	
Mg++	0.122	0.025	1.263	22.8	100.0	5	21	
NO3-	0.65	0.07	3.07	122.2	100.0	0	21	
pH	4.56	3.86	7.04	5120.3	100.0	0	21	
K+	0.06	0.03	1.73	11.9	100.0	12	21	
Precip	-	0.3	31.2	187.4	55.4	30	51	
Na+	0.75	0.01	9.94	139.7	100.0	2	21	
SO4-- corr	0.71	0.09	2.85	133.9	100.0	0	21	
SO4--	0.78	0.17	3.68	145.5	100.0	0	21	

GB0013R YARNER WOOD UNITED KINGDOM

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.29	0.06	1.79	83.1	99.9	0	34	
Ca++	0.26	0.10	1.07	75.2	99.9	0	34	
Cl-	3.51	0.47	11.19	995.4	99.9	0	34	
Mg++	0.396	0.072	1.131	112.2	99.9	0	34	
NO3-	0.23	0.01	1.89	65.3	99.9	1	34	
pH	5.01	4.58	6.49	2747.9	99.9	0	34	
K+	0.09	0.03	0.36	26.6	99.9	9	34	
Precip	-	0.0	31.3	283.4	100.0	53	91	
Na+	2.05	0.12	6.73	580.2	99.9	0	34	
SO4-- corr	0.28	0.06	1.03	78.3	99.9	0	34	
SO4--	0.45	0.14	1.57	126.9	99.9	0	34	

GB0014R HIGH MUFFLES UNITED KINGDOM

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.41	0.01	2.40	57.7	99.7	1	32	
Ca++	0.21	0.03	1.88	29.7	99.7	0	32	
Cl-	4.68	0.58	80.52	667.6	99.7	0	32	
Mg++	0.341	0.025	7.599	48.6	99.7	2	32	
NO3-	0.29	0.10	1.81	41.3	99.7	0	32	
pH	4.77	3.79	5.38	2434.5	99.7	0	32	
K+	0.13	0.03	1.69	18.1	99.7	1	32	
Precip	-	0.0	31.2	142.6	100.0	54	90	
Na+	2.44	0.12	46.03	347.7	99.7	0	32	
SO4-- corr	0.64	0.20	3.07	91.3	99.7	0	32	
SO4--	0.85	0.26	4.43	120.5	99.7	0	32	

GB0014R HIGH MUFFLES UNITED KINGDOM

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.69	0.03	3.50	65.1	100.0	0	25	
Ca++	0.32	0.09	2.14	30.8	100.0	0	25	
Cl-	2.65	0.43	40.47	251.4	96.9	0	24	
Mg++	0.200	0.025	2.737	19.0	100.0	3	25	
NO3-	0.37	0.09	1.73	35.5	100.0	0	25	
pH	4.91	4.05	6.72	1156.0	100.0	0	25	
K+	0.09	0.03	0.79	8.5	100.0	4	25	
Precip	-	0.0	15.7	94.8	100.0	66	92	
Na+	1.45	0.18	22.93	137.5	96.9	0	24	
SO4-- corr	0.66	0.12	3.22	62.3	100.0	0	25	
SO4--	0.77	0.20	3.66	73.4	100.0	0	25	

GB0014R HIGH MUFFLES UNITED KINGDOM

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.45	0.04	2.28	110.2	100.0	0	39	
Ca++	0.20	0.03	1.04	50.2	100.0	2	39	
Cl-	1.51	0.22	30.64	371.7	97.3	0	37	
Mg++	0.116	0.025	1.934	28.6	100.0	15	39	
NO3-	0.45	0.10	3.02	110.4	100.0	0	39	
pH	4.45	3.43	5.83	8829.8	100.0	0	39	
K+	0.05	0.03	0.52	13.4	100.0	15	39	
Precip	-	0.4	30.7	245.9	100.0	53	92	
Na+	0.80	0.01	17.00	196.7	97.3	3	37	
SO4-- corr	0.67	0.17	5.63	165.0	100.0	0	39	
SO4--	0.74	0.17	5.93	181.1	100.0	0	39	

GB0014R HIGH MUFFLES UNITED KINGDOM

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.68	0.01	2.66	101.1	99.6	1	41	
Ca++	0.23	0.03	1.38	34.4	99.6	1	41	
Cl-	3.61	0.40	45.94	537.5	93.2	0	39	
Mg++	0.270	0.025	3.825	40.2	99.6	3	41	
NO3-	0.59	0.05	3.58	87.9	99.6	0	41	
pH	4.39	3.73	5.91	6004.9	99.6	0	41	
K+	0.10	0.03	1.81	15.1	99.6	8	41	
Precip	-	0.0	12.4	149.1	100.0	44	91	
Na+	1.94	0.14	23.91	289.0	93.2	0	39	
SO4-- corr	0.78	0.13	3.46	116.5	99.6	0	41	
SO4--	0.93	0.15	3.69	139.3	99.6	0	41	

GB0015R STRATHVAICH DAM UNITED KINGDOM

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.03	0.01	0.26	4.3	99.8	22	40	
Ca++	0.31	0.03	0.90	51.9	99.8	2	40	
Cl-	8.62	0.41	36.00	1439.3	99.8	0	40	
Mg++	0.718	0.025	2.559	119.9	99.8	1	40	
NO3-	0.09	0.01	0.88	15.3	99.8	4	40	
pH	5.15	4.46	6.78	1190.3	99.8	0	40	
K+	0.14	0.03	1.06	22.6	99.8	11	40	
Precip	-	0.0	25.1	167.0	100.0	47	90	
Na+	4.84	0.14	20.22	809.3	99.8	0	40	
SO4-- corr	0.15	0.00	0.68	25.3	99.8	1	40	
SO4--	0.56	0.15	1.80	93.0	99.8	0	40	

GB0015R STRATHVAICH DAM UNITED KINGDOM

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.18	0.01	1.21	25.0	96.8	7	27	
Ca++	0.23	0.03	1.83	31.6	96.8	1	27	
Cl-	4.91	0.44	47.00	683.6	92.4	0	26	
Mg++	0.335	0.025	3.388	46.6	96.8	4	27	
NO3-	0.17	0.01	0.87	23.5	96.8	1	27	
pH	5.05	4.33	6.77	1245.2	96.8	0	27	
K+	0.10	0.03	0.88	13.5	96.8	11	27	
Precip	-	0.0	24.9	139.2	88.0	52	81	
Na+	2.68	0.14	26.31	373.1	92.4	0	26	
SO4-- corr	0.30	-0.02	1.86	41.8	96.8	2	27	
SO4--	0.51	0.02	2.20	71.6	96.8	1	27	

GB0015R STRATHVAICH DAM UNITED KINGDOM

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.49	0.10	3.96	26.5	100.0	0	18	
Ca++	0.16	0.06	1.81	8.7	100.0	0	18	
Cl-	0.66	0.28	1.75	35.8	100.0	0	18	
Mg++	0.089	0.025	0.496	4.8	100.0	7	18	
NO3-	0.31	0.04	3.02	17.0	100.0	0	18	
pH	4.62	3.77	7.09	1293.7	100.0	0	18	
K+	0.11	0.03	2.78	5.8	100.0	11	18	
Precip	-	0.2	16.2	54.4	93.5	68	86	
Na+	0.35	0.07	1.12	18.8	100.0	0	18	
SO4-- corr	0.54	0.09	3.92	29.5	100.0	0	18	
SO4--	0.57	0.12	3.96	31.0	100.0	0	18	

GB0015R STRATHVAICH DAM UNITED KINGDOM

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
Q NH4+	0.06	0.01	1.87	3.0	99.4	4	21	
Ca++	0.27	0.06	1.67	12.4	99.4	0	21	
Cl-	4.13	0.40	14.08	192.5	99.4	0	21	
Mg++	0.418	0.025	1.087	19.5	99.4	1	21	
NO3-	0.13	0.01	3.72	6.1	99.4	4	21	
pH	5.01	3.82	6.17	461.4	99.4	0	21	
K+	0.09	0.03	0.33	4.4	99.4	7	21	
Precip	-	0.0	11.4	46.6	84.6	51	77	
Na+	2.32	0.22	7.22	108.3	99.4	0	21	
SO4-- corr	0.16	0.03	4.44	7.7	99.4	0	21	
SO4--	0.36	0.10	4.91	16.7	99.4	0	21	

HU0002R K-PUSZTA HUNGARY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
H+	-28.	-435.	14.	-2574.	97.8	3	10	
NH4+	0.30	0.02	1.83	27.4	100.0	0	11	
I Ca++	1.60	0.76	4.60	147.7	100.0	0	11	
I Cl-	1.18	0.49	3.73	109.0	100.0	0	11	
NO3-	0.41	0.00	2.50	38.4	100.0	1	11	
I pH	5.34	5.20	7.33	421.0	100.0	0	11	
I K+	0.27	0.14	1.14	25.0	100.0	0	11	
Precip	-	0.0	21.1	92.4	100.0	79	90	
I Na+	0.84	0.33	3.22	77.6	100.0	0	11	
SO4-- corr	1.10	0.45	4.60	101.2	100.0	0	11	
SO4--	1.16	0.52	4.87	107.7	100.0	0	11	

HU0002R K-PUSZTA HUNGARY

March 1997 - May 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	H+	-36.	-153.	-13.	-3068.	92.7	10	10	
	NH4+	0.98	0.07	2.64	82.7	100.0	0	14	
I	Ca++	1.21	0.48	6.45	101.8	100.0	0	14	
I	Cl-	1.21	0.66	3.99	102.0	100.0	0	14	
	Mg++	0.523	0.270	2.430	44.1	100.0	0	14	
	NO3-	0.64	0.35	3.59	54.4	100.0	0	14	
I	pH	6.23	5.96	7.28	49.2	98.3	0	13	
I	K+	0.31	0.03	1.44	26.4	100.0	2	14	
	Precip	-	0.0	16.2	84.4	100.0	78	92	
I	Na+	0.84	0.36	4.32	71.1	100.0	0	14	
	SO4-- corr	1.25	0.28	3.95	105.1	100.0	0	14	
	SO4--	1.32	0.31	4.23	111.1	100.0	0	14	

HU0002R K-PUSZTA HUNGARY

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	H+	-18.	-59.	5.	-3638.	95.1	15	16	
	NH4+	0.85	0.31	3.39	174.0	97.1	0	19	
I	Ca++	0.60	0.08	2.36	122.6	96.4	0	18	
I	Cl-	1.01	0.67	5.07	207.2	97.1	0	19	
	Mg++	0.280	0.090	2.340	57.4	97.8	0	20	
	NO3-	0.38	0.14	1.63	77.3	97.1	0	19	
I	pH	5.92	5.49	6.78	247.7	96.4	0	18	
I	K+	0.09	0.03	0.42	18.2	96.4	5	18	
	Precip	-	0.0	34.2	204.6	100.0	71	92	
I	Na+	0.49	0.26	1.22	100.1	96.4	0	18	
	SO4-- corr	1.12	0.35	2.57	228.7	97.1	0	19	
	SO4--	1.17	0.37	4.20	239.4	97.1	0	19	

HU0002R K-PUSZTA HUNGARY

September 1997 - November 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	H+	-13.	-44.	7.	-1166.	93.9	9	11	
	NH4+	0.83	0.29	2.17	74.8	100.0	0	15	
I	Ca++	0.99	0.32	4.08	89.3	97.4	0	13	
I	Cl-	1.26	0.73	7.07	114.0	100.0	0	15	
	Mg++	0.426	0.280	1.360	38.4	100.0	0	15	
	NO3-	0.49	0.27	0.84	44.5	100.0	0	15	
I	pH	5.81	5.41	6.59	138.9	96.7	0	13	
I	K+	0.12	0.03	0.51	11.1	97.4	1	13	
	Precip	-	0.0	15.5	90.1	100.0	76	91	
I	Na+	0.62	0.33	2.44	55.8	97.4	0	13	
	SO4-- corr	1.17	0.37	2.81	105.0	100.0	0	15	
	SO4--	1.24	0.40	2.86	111.3	100.0	0	15	

IE0001R VALENTIA OBS. IRELAND

December 1996 - February 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.12	0.01	21.58	29.0	97.1	14	48	
	Ca++	0.66	0.03	4.42	158.5	97.1	0	48	
	Cl-	29.31	1.01	200.88	7035.3	97.1	0	48	
Q	Mg++	2.039	0.077	14.495	489.4	97.1	0	48	
	NO3-	0.09	0.01	2.20	21.9	97.1	15	48	
Q	pH	5.16	4.00	6.72	1660.7	97.1	0	48	
Q	K+	0.60	0.01	4.59	144.1	97.1	0	48	
	Precip off	-	0.0	20.3	240.0	65.6	16	59	
	Na+	17.45	0.64	120.86	4189.1	97.1	0	48	
	SO4-- corr	0.13	-0.09	4.95	31.5	97.1	5	48	
	SO4--	1.55	0.11	10.79	371.3	97.1	0	48	

IE0001R VALENTIA OBS. IRELAND

March 1997 - May 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	2.06	0.01	62.57	323.0	97.3	2	33	
	Ca++	0.53	0.07	3.29	83.4	97.3	0	33	
	Cl-	11.87	1.34	34.65	1864.3	97.3	0	33	
Q	Mg++	0.859	0.123	2.488	135.0	97.3	0	33	
	NO3-	0.22	0.01	3.85	35.0	97.3	4	33	
Q	pH	5.11	3.73	7.70	1206.6	97.3	0	33	
Q	K+	0.66	0.06	17.70	103.8	97.3	0	33	
	Precip off	-	0.0	15.8	157.1	100.0	49	92	
	Na+	6.97	0.97	20.60	1094.5	97.3	0	33	
	SO4-- corr	0.51	0.04	9.94	80.5	97.3	0	33	
	SO4--	1.09	0.24	10.99	170.7	97.3	0	33	

IE0001R VALENTIA OBS. IRELAND

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.22	0.01	17.37	83.6	98.2	26	52	
	Ca++	0.15	0.01	2.47	58.5	98.2	6	52	
	Cl-	5.49	0.19	124.74	2091.3	98.2	0	52	
Q	Mg++	0.371	0.010	8.493	141.3	98.2	1	52	
	NO3-	0.07	0.01	0.63	25.8	98.2	30	52	
Q	pH	4.72	3.96	7.26	7221.8	98.2	0	52	
Q	K+	0.17	0.01	4.47	66.6	98.2	8	52	
	Precip off	-	0.0	36.1	381.2	100.0	26	92	
	Na+	3.21	0.14	72.13	1224.9	98.2	0	52	
	SO4-- corr	0.24	0.00	1.55	90.9	98.2	0	52	
	SO4--	0.49	0.07	6.02	187.9	98.2	0	52	

IE0001R VALENTIA OBS. IRELAND

September 1997 - November 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.04	0.01	0.87	16.6	97.7	41	54	
	Ca++	0.19	0.03	2.34	86.2	97.7	0	54	
	Cl-	7.16	0.29	104.57	3285.1	97.7	0	54	
Q	Mg++	0.518	0.010	7.547	237.6	97.7	1	54	
	NO3-	0.06	0.01	0.94	26.7	97.7	37	54	
Q	pH	5.02	4.31	5.99	4404.5	97.7	0	54	
Q	K+	0.17	0.03	2.19	79.9	97.7	0	54	
	Precip off	-	0.0	27.4	458.6	100.0	22	91	
	Na+	4.27	0.20	64.71	1960.1	97.7	0	54	
	SO4-- corr	0.07	-0.06	1.49	30.4	97.7	10	54	
	SO4--	0.42	0.08	5.29	192.1	97.7	0	54	

IE0002R TURLOUGH HILL IRELAND

December 1996 - February 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.22	0.07	1.55	56.9	98.6	0	35	
	Ca++	0.44	0.15	2.66	112.4	85.1	0	30	
	Cl-	5.91	0.53	19.71	1516.5	83.6	0	29	
	Mg++	0.459	0.090	4.370	117.8	85.1	0	30	
	NO3-	0.16	0.03	4.55	42.2	99.0	0	36	
	pH	5.42	4.18	5.99	981.4	92.6	0	28	
I	K+	0.17	0.02	1.46	43.0	85.1	0	30	
	Precip	-	0.0	21.8	256.6	100.0	53	90	
	Na+	3.10	0.34	8.08	795.8	84.6	0	29	
	SO4-- corr	0.15	0.04	0.80	38.4	83.6	0	29	
	SO4--	0.40	0.10	1.11	103.7	83.6	0	29	

IE0002R TURLOUGH HILL IRELAND

March 1997 - May 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.49	0.12	4.64	84.0	96.7	0	27	
	Ca++	0.56	0.11	3.04	96.2	94.9	0	31	
	Cl-	2.00	0.12	26.93	343.5	94.5	0	27	
	Mg++	0.262	0.060	7.010	44.9	94.9	0	31	
	NO3-	0.21	0.04	3.03	36.7	96.7	0	27	
	pH	5.31	4.25	7.53	848.0	86.0	0	20	
I	K+	0.15	0.02	1.65	25.7	94.9	0	31	
	Precip	-	0.2	16.9	171.7	100.0	56	92	
	Na+	1.30	0.09	20.87	222.5	94.9	0	31	
	SO4-- corr	0.25	0.04	2.26	43.2	94.5	0	27	
	SO4--	0.35	0.10	2.59	60.1	94.5	0	27	

IE0002R TURLOUGH HILL IRELAND

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.45	0.04	2.31	186.1	99.4	0	49	
	Ca++	0.25	0.06	1.52	104.7	98.4	0	49	
	Cl-	1.30	0.17	18.44	540.5	98.2	0	49	
	Mg++	0.132	0.020	1.260	54.8	98.4	0	49	
	NO3-	0.32	0.04	1.43	132.7	99.4	0	49	
	pH	4.82	4.19	6.70	6338.3	92.3	0	36	
I	K+	0.08	0.00	0.66	34.0	98.4	2	49	
	Precip	-	0.3	21.9	416.3	100.0	39	92	
	Na+	0.78	0.07	10.19	326.0	98.4	0	49	
	SO4-- corr	0.39	0.07	1.48	162.5	98.2	0	49	
	SO4--	0.46	0.08	1.58	189.3	98.2	0	49	

IE0002R TURLOUGH HILL IRELAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.31	0.00	4.74	117.9	100.0	2	54	
Ca++	0.20	0.00	8.28	75.0	100.0	1	54	
Cl-	1.78	0.00	108.29	681.7	100.0	1	54	
Mg++	0.159	0.000	9.480	60.7	100.0	1	54	
NO3-	0.25	0.00	22.85	94.8	100.0	4	54	
pH	5.04	3.90	6.20	3491.7	99.9	0	53	
I K+	0.07	0.00	2.17	27.0	100.0	4	54	
Precip	-	0.2	24.6	383.0	100.0	37	91	
Na+	1.37	0.06	72.46	524.9	100.0	0	54	
SO4-- corr	0.23	-0.14	5.59	86.6	100.0	4	54	
SO4--	0.33	0.00	10.03	126.6	100.0	4	54	

IE0003R THE BURREN IRELAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.21	0.00	0.98	51.5	100.0	8	27	
Ca++	0.52	0.10	5.49	125.5	100.0	0	27	
Cl-	20.45	0.60	256.70	4953.7	100.0	0	27	
Mg++	1.388	0.049	17.310	336.1	100.0	0	27	
NO3-	0.08	-0.02	0.76	18.7	100.0	3	27	
pH	5.86	5.30	6.40	335.3	100.0	0	27	
K+	0.19	0.00	2.62	46.4	100.0	3	27	
Precip	-	1.2	33.8	242.2	65.6	32	59	
Na+	12.02	0.43	145.21	2910.9	100.0	0	27	
SO4-- corr	0.11	-0.10	0.82	26.6	100.0	5	27	
SO4--	1.07	0.02	12.97	259.3	100.0	0	27	

IE0003R THE BURREN IRELAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.60	0.03	2.63	105.1	100.0	0	31	
Ca++	0.36	0.07	5.61	62.5	100.0	0	31	
Cl-	5.09	0.10	48.70	889.4	100.0	0	31	
Mg++	0.417	0.000	4.409	72.9	100.0	1	31	
NO3-	0.33	0.00	2.83	58.3	100.0	1	31	
pH	5.15	4.20	6.70	1233.6	100.0	0	31	
K+	0.05	0.00	0.69	9.6	100.0	4	31	
Precip	-	1.0	30.8	174.7	100.0	61	92	
Na+	3.14	0.15	23.92	547.9	100.0	0	31	
SO4-- corr	0.49	-0.08	2.58	85.6	100.0	2	31	
SO4--	0.75	0.00	4.58	131.0	100.0	1	31	

IE0003R THE BURREN IRELAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.08	3.69	189.1	100.0	0	48	
Ca++	0.20	0.05	7.01	85.4	100.0	0	48	
Cl-	2.10	0.10	132.60	892.7	100.0	0	48	
Mg++	0.165	0.000	9.553	70.0	100.0	1	48	
NO3-	0.33	0.03	4.33	141.2	100.0	0	48	
pH	5.04	4.20	6.10	3857.7	99.7	0	44	
K+	0.04	0.00	1.82	15.1	100.0	5	48	
Precip	-	0.2	41.0	424.7	100.0	44	92	
Na+	1.34	0.11	70.35	570.9	100.0	0	48	
SO4-- corr	0.40	0.07	3.87	171.7	100.0	0	48	
SO4--	0.51	0.09	9.76	216.8	100.0	0	48	

IE0003R THE BURREN IRELAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.13	0.03	3.90	35.1	100.0	0	28	
Ca++	0.14	0.02	1.27	37.1	100.0	0	28	
Cl-	2.73	0.10	14.20	720.0	100.0	0	28	
Mg++	0.207	0.013	0.965	54.7	100.0	0	28	
NO3-	0.06	0.00	3.94	17.1	100.0	2	28	
pH	5.32	3.70	6.10	1268.2	100.0	0	28	
K+	0.04	0.00	0.18	9.3	100.0	3	28	
Precip	-	0.4	33.0	264.0	100.0	63	91	
Na+	1.85	0.09	8.05	489.0	100.0	0	28	
SO4-- corr	0.18	-0.05	4.97	46.5	100.0	2	28	
SO4--	0.32	0.00	5.20	83.9	100.0	2	28	

IE0004R RIDGE OF CAPARD IRELAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.46	0.00	7.09	124.7	100.0	1	32	
Ca++	0.17	0.00	1.30	44.5	100.0	2	32	
Cl-	4.78	0.10	57.40	1288.5	100.0	0	32	
Mg++	0.346	0.035	3.715	93.3	100.0	0	32	
NO3-	0.10	0.00	4.92	26.4	100.0	1	32	
pH	5.61	4.10	6.80	669.9	100.0	0	32	
K+	0.04	0.00	0.50	11.7	100.0	3	32	
Precip	-	0.3	32.4	269.5	65.6	27	59	
Na+	2.76	0.12	31.92	743.9	100.0	0	32	
SO4--	0.36	0.02	5.84	97.8	100.0	0	32	

IE0004R RIDGE OF CAPARD IRELAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.56	0.22	4.87	109.9	100.0	0	29	
Ca++	0.18	0.03	3.08	34.8	100.0	0	29	
Cl-	1.29	0.10	34.80	250.7	100.0	0	29	
Mg++	0.110	0.014	2.149	21.4	100.0	0	29	
NO3-	0.16	0.00	4.47	31.8	100.0	2	29	
pH	5.15	4.60	6.70	1372.5	99.8	0	28	
K+	0.02	0.00	0.78	3.4	100.0	7	29	
Precip	-	0.3	35.4	194.4	100.0	63	92	
Na+	0.79	0.08	18.81	154.0	100.0	0	29	
SO4--	0.39	0.00	5.12	76.7	100.0	1	29	

IE0004R RIDGE OF CAPARD IRELAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.64	0.17	4.19	259.2	100.0	0	41	
Ca++	0.16	0.04	5.77	65.3	100.0	0	41	
Cl-	0.71	0.00	17.30	285.1	100.0	1	41	
Mg++	0.056	0.009	1.450	22.7	100.0	0	41	
NO3-	0.40	0.00	2.83	160.9	100.0	2	41	
pH	4.91	4.20	6.70	5012.1	100.0	0	41	
K+	0.01	0.00	0.25	5.3	100.0	5	41	
Precip	-	0.5	34.4	404.0	100.0	51	92	
Na+	0.43	0.06	10.27	175.3	100.0	0	41	
SO4--	0.46	0.00	5.70	184.5	100.0	2	41	

IE0004R RIDGE OF CAPARD IRELAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.06	2.37	176.5	100.0	0	44	
Ca++	0.17	0.07	1.39	65.0	100.0	0	44	
Cl-	1.30	0.30	9.50	484.4	100.0	0	44	
Mg++	0.101	0.021	0.821	37.7	100.0	0	44	
NO3-	0.23	0.02	3.25	85.4	100.0	0	44	
pH	5.05	3.90	6.40	3310.5	100.0	0	44	
K+	0.03	0.00	0.24	11.4	100.0	3	44	
Precip	-	0.6	35.4	373.2	100.0	47	91	
Na+	0.94	0.26	5.33	351.3	100.0	0	44	
SO4--	0.34	0.04	2.19	127.0	100.0	0	44	

IS0002R IRAFOSS ICELAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
pH	5.60	4.90	7.20	773.0	100.0	0	44	
Precip	-	0.0	31.8	310.6	100.0	46	90	
Na+	6.80	0.60	88.80	2113.4	100.0	0	44	
SO4-- corr	0.12	-0.73	0.67	35.8	100.0	6	44	
SO4--	0.68	0.10	6.70	212.3	100.0	0	44	

IS0002R IRAFOSS ICELAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
pH	6.11	5.00	7.30	297.1	100.0	0	45	
Precip	-	0.3	39.3	380.6	100.0	47	92	
Na+	5.00	0.20	104.00	1902.9	100.0	0	45	
SO4-- corr	0.14	-0.15	2.71	52.1	100.0	3	45	
SO4--	0.56	0.10	9.20	211.4	100.0	0	45	

IS0002R IRAFOSS ICELAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
pH	5.66	5.10	7.20	657.8	100.0	0	41	
Precip	-	0.1	32.8	302.8	100.0	51	92	
Na+	1.06	0.10	8.70	321.4	100.0	0	41	
SO4-- corr	0.24	-0.03	4.67	72.2	100.0	2	41	
SO4--	0.33	0.05	5.40	99.2	100.0	1	41	

IS0002R IRAFOSS ICELAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
pH	5.23	4.40	7.30	2770.7	100.0	0	57	
Precip	-	0.4	61.1	466.8	100.0	34	91	
Na+	1.34	0.10	75.60	623.5	100.0	0	57	
SO4-- corr	0.14	-0.47	5.38	64.7	100.0	9	57	
SO4--	0.25	0.05	6.26	117.9	100.0	4	57	

IT0001R MONTELIBRETTI ITALY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.29	0.15	0.65	79.4	100.0	0	8	
I Ca++	0.68	0.25	1.14	184.5	100.0	0	8	
Cl-	2.43	0.33	4.78	656.5	100.0	0	8	
Mg++	0.193	0.038	0.330	52.1	100.0	0	8	
NO3-	0.29	0.10	0.37	78.6	100.0	0	8	
I pH	4.47	4.08	5.32	9173.0	100.0	0	8	
K+	0.14	0.06	1.28	38.0	100.0	0	8	
Precip	-	0.0	95.5	269.7	100.0	82	90	
Na+	1.28	0.17	2.48	345.3	100.0	0	8	
SO4-- corr	0.51	0.28	0.74	137.9	100.0	0	8	
SO4--	0.62	0.31	0.78	166.7	100.0	0	8	

IT0001R MONTELIBRETTI ITALY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.61	0.09	2.29	91.4	100.0	0	9	
I Ca++	5.61	0.34	14.75	839.4	100.0	0	9	
Cl-	4.81	0.25	20.30	720.2	100.0	0	9	
Mg++	0.471	0.030	1.423	70.4	100.0	0	9	
NO3-	1.04	0.22	4.58	156.2	100.0	0	9	
I pH	5.26	4.50	7.16	820.8	100.0	0	9	
K+	0.49	0.10	2.48	72.7	100.0	0	9	
Precip	-	0.0	50.9	149.6	100.0	83	92	
Na+	2.36	0.13	9.08	353.2	100.0	0	9	
SO4-- corr	2.88	0.47	5.34	431.4	100.0	0	9	
SO4--	3.08	0.50	6.10	461.0	100.0	0	9	

IT0001R MONTELIBRETTI ITALY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.39	0.19	0.76	41.4	100.0	0	4	
I Ca++	1.65	0.61	8.47	174.6	100.0	0	4	
Cl-	0.84	0.08	5.06	88.7	100.0	0	4	
Mg++	0.291	0.149	0.747	30.8	100.0	0	4	
NO3-	0.32	0.14	1.36	34.4	100.0	0	4	
I pH	5.64	5.19	6.79	245.7	100.0	0	4	
K+	3.33	0.05	15.90	352.6	100.0	0	4	
Precip	-	0.0	48.8	106.0	100.0	88	92	
Na+	0.52	0.15	3.08	55.5	100.0	0	4	
SO4-- corr	0.56	0.28	1.87	59.9	100.0	0	4	
SO4--	0.61	0.30	2.13	64.6	100.0	0	4	

IT0001R MONTELIBRETTI ITALY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.24	0.11	0.56	66.8	100.0	0	7	
I Ca++	0.74	0.46	3.02	208.6	100.0	0	7	
Cl-	1.16	0.20	5.54	328.9	100.0	0	7	
Mg++	0.119	0.040	0.440	33.6	100.0	0	7	
NO3-	0.21	0.15	1.01	58.4	100.0	0	7	
I pH	4.14	3.76	4.69	20316.6	100.0	0	7	
K+	0.08	0.06	0.46	23.0	100.0	0	7	
Precip	-	0.0	89.2	282.4	100.0	84	91	
Na+	0.63	0.12	2.82	178.7	100.0	0	7	
SO4-- corr	0.32	0.12	1.45	89.9	100.0	0	7	
SO4--	0.37	0.13	1.69	104.9	100.0	0	7	

IT0004R ISPRA ITALY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.13	0.05	0.75	28.2	100.0	0	20	
Ca++	0.11	0.03	0.55	24.0	100.0	0	20	
Cl-	0.17	0.02	1.57	37.7	100.0	0	20	
Mg++	0.021	0.007	0.110	4.4	100.0	0	20	
NO3-	0.33	0.13	1.40	71.3	100.0	0	20	
pH	4.71	3.98	5.39	4174.1	100.0	0	20	
K+	0.05	0.02	0.24	11.1	100.0	0	20	
Precip	-	0.0	35.8	215.1	100.0	70	90	
Na+	0.09	0.02	0.85	19.2	100.0	0	20	
SO4-- corr	0.25	0.11	0.58	53.6	100.0	0	20	
SO4--	0.26	0.11	0.60	55.3	100.0	0	20	

IT0004R ISPRA ITALY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.23	0.89	6.19	187.7	100.0	0	12	
Ca++	0.49	0.11	4.17	74.8	100.0	0	12	
Cl-	0.52	0.20	4.77	79.4	100.0	0	12	
Mg++	0.075	0.022	0.678	11.5	100.0	0	12	
NO3-	0.78	0.38	4.75	119.1	100.0	0	12	
pH	4.63	4.15	5.82	3595.5	100.0	0	12	
K+	0.09	0.04	1.57	14.1	100.0	0	12	
Precip	-	1.0	53.5	152.3	100.0	80	92	
Na+	0.31	0.08	2.77	47.5	100.0	0	12	
SO4-- corr	1.19	0.73	6.74	181.0	100.0	0	12	
SO4--	1.21	0.74	6.85	184.9	100.0	0	12	

IT0004R ISPRA ITALY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.87	0.23	3.72	452.9	100.0	0	32	
Ca++	0.35	0.08	3.06	181.5	100.0	0	32	
Cl-	0.46	0.05	5.04	235.9	100.0	0	32	
Mg++	0.059	0.009	0.709	30.8	100.0	0	32	
NO3-	0.57	0.14	2.39	298.6	100.0	0	32	
pH	4.64	3.83	6.08	11794.9	100.0	0	32	
K+	0.08	0.01	2.64	43.8	100.0	0	32	
Precip	-	1.0	63.1	518.8	100.0	60	92	
Na+	0.27	0.01	3.62	139.5	100.0	0	32	
SO4-- corr	0.82	0.18	3.52	423.6	100.0	0	32	
SO4--	0.84	0.18	3.82	435.3	100.0	0	32	

IT0004R ISPRA ITALY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.64	0.09	8.45	194.0	100.0	0	18	
Ca++	0.22	0.13	2.24	65.7	100.0	0	18	
Cl-	0.36	0.03	2.39	109.0	100.0	0	18	
Mg++	0.036	0.004	0.289	10.9	100.0	0	18	
NO3-	0.59	0.20	5.77	177.3	100.0	0	18	
pH	4.48	3.50	4.68	10045.0	100.0	0	18	
K+	0.09	0.03	0.40	26.5	100.0	0	18	
Precip	-	1.0	86.5	301.4	100.0	73	91	
Na+	0.15	0.01	0.74	44.4	100.0	0	18	
SO4-- corr	0.61	0.21	4.32	183.6	100.0	0	18	
SO4--	0.62	0.21	4.36	187.4	100.0	0	18	

LT0015R PREILA LITHUANIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	2.44	1.04	6.27	112.9	100.0	0	11	W
Ca++	0.52	0.10	3.10	24.2	100.0	0	11	W
Cl-	10.76	0.73	34.08	497.2	100.0	0	11	W
NO3-	0.78	0.27	5.70	36.0	100.0	0	11	W
pH	4.99	4.71	6.22	476.4	100.0	0	11	W
K+	0.44	0.10	1.20	20.4	83.5	0	10	W
Precip	-	0.6	14.3	46.2	73.3	2	13	W
Na+	6.83	1.40	25.00	315.4	100.0	0	11	W
SO4-- corr	0.90	0.09	2.61	41.6	100.0	0	11	W
SO4--	1.47	0.42	3.27	68.0	100.0	0	11	W

LT0015R PREILA LITHUANIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.60	0.26	6.89	62.1	100.0	0	11	W
Ca++	0.52	0.14	1.40	53.5	79.9	0	10	W
Cl-	4.45	0.75	43.68	461.0	100.0	0	11	W
NO3-	0.32	0.10	0.74	33.2	100.0	0	11	W
pH	5.39	4.82	6.43	424.9	100.0	0	11	W
K+	0.29	0.10	0.90	29.9	100.0	0	11	W
Precip	-	1.0	20.8	103.5	100.0	1	12	W
Na+	2.60	0.44	17.75	268.7	100.0	0	11	W
SO4-- corr	0.66	0.28	1.51	68.3	100.0	0	11	W
SO4--	0.88	0.32	2.05	90.8	100.0	0	11	W

LT0015R PREILA LITHUANIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.18	0.03	0.88	11.7	100.0	0	8	W
Ca++	0.55	0.22	1.55	35.5	100.0	0	8	W
Cl-	1.61	0.29	3.40	103.4	100.0	0	8	W
NO3-	0.31	0.12	0.66	19.8	100.0	0	8	W
pH	5.10	4.32	6.27	507.5	100.0	0	8	W
K+	0.18	0.12	0.30	11.6	100.0	0	8	W
Precip	-	1.5	19.8	64.3	100.0	4	12	W
Na+	1.14	0.21	2.55	73.4	100.0	0	8	W
SO4-- corr	0.48	0.16	1.31	30.9	100.0	0	8	W
SO4--	0.58	0.18	1.39	37.1	100.0	0	8	W

LT0015R PREILA LITHUANIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.18	0.03	0.44	41.8	100.0	0	12	W
Ca++	0.56	0.28	1.25	132.3	100.0	0	12	W
Cl-	4.26	0.97	12.24	1014.7	100.0	0	12	W
NO3-	0.32	0.21	0.65	76.6	100.0	0	12	W
pH	5.31	4.84	5.82	1177.1	100.0	0	12	W
K+	0.15	0.05	0.30	36.6	100.0	0	12	W
Precip	-	2.2	59.6	237.9	100.0	0	12	W
Na+	2.54	0.82	6.70	603.9	100.0	0	12	W
SO4-- corr	0.32	-0.09	0.76	75.4	100.0	1	12	W
SO4--	0.53	0.40	0.88	126.0	100.0	0	12	W

LV0010R RUCAVA LATVIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
H+	26.	0.	85.	3825.	97.9	4	37	
NH4+	0.42	0.02	1.90	61.8	97.9	0	37	
Ca++	0.33	0.08	1.31	49.1	89.3	0	28	
Q Cl-	5.17	2.70	6.80	763.4	53.8	0	2	M
Mg++	0.169	0.030	1.230	25.0	87.9	0	27	
Q NO3-	0.53	0.04	1.99	77.7	97.9	0	37	
pH	4.69	4.07	7.05	3005.3	97.9	0	37	
K+	0.22	0.03	1.07	32.0	97.5	0	36	
Precip	-	0.0	14.0	147.7	100.0	52	90	
Na+	0.75	0.02	9.04	110.8	97.9	0	37	
I SO4-- corr	0.64	0.03	1.86	94.4	97.9	0	37	
I SO4--	0.70	0.03	2.03	103.7	97.9	0	37	

LV0010R RUCAVA LATVIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.02	1.58	61.2	99.7	0	30	
Ca++	0.37	0.09	1.58	50.7	96.2	0	26	
Q Cl-	1.54	0.70	4.60	211.8	100.0	0	3	M
Mg++	0.122	0.010	0.470	16.8	85.0	0	25	
Q NO3-	0.43	0.03	1.26	59.5	99.7	0	30	
pH	4.58	3.95	6.66	3639.7	100.0	0	31	
K+	0.17	0.03	0.81	23.5	99.1	0	29	
Precip	-	0.0	20.1	137.9	100.0	61	92	
Na+	0.25	0.02	1.16	35.2	100.0	0	31	
I SO4-- corr	0.60	-0.07	2.18	82.8	100.0	2	31	
I SO4--	0.62	0.03	2.22	85.8	100.0	0	31	

LV0010R RUCAVA LATVIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.28	0.01	3.82	25.9	100.0	0	20	
Ca++	0.41	0.15	2.88	37.5	84.1	0	12	
Q Cl-	1.06	0.80	1.70	97.0	100.0	0	3	M
Mg++	0.100	0.040	0.730	9.2	84.1	0	12	
Q NO3-	0.18	0.01	0.86	16.9	100.0	0	20	
pH	4.80	4.30	7.53	1447.8	100.0	0	20	
K+	0.14	0.03	0.44	12.7	98.6	0	18	
Precip	-	0.0	15.0	91.8	100.0	72	92	
Na+	0.09	0.02	0.58	8.0	100.0	0	20	
I SO4-- corr	0.59	0.03	2.53	53.9	100.0	0	20	
I SO4--	0.59	0.03	2.53	54.6	100.0	0	20	

LV0010R RUCAVA LATVIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.19	0.02	2.71	66.1	99.5	0	47	
Ca++	0.41	0.09	2.94	141.9	98.9	0	44	
Q Cl-	1.19	0.40	1.70	412.3	100.0	0	3	M
Mg++	0.133	0.020	2.910	46.1	98.9	0	44	
Q NO3-	0.20	0.01	1.30	68.8	99.5	0	47	
pH	4.90	3.74	7.10	4345.2	100.0	0	49	
K+	0.18	0.03	1.95	63.4	99.5	0	47	
Precip	-	0.0	29.0	347.4	100.0	42	91	
Na+	0.32	0.02	4.52	111.2	100.0	0	49	
I SO4-- corr	0.22	-0.22	1.48	76.0	100.0	5	49	
I SO4--	0.25	0.02	1.57	85.4	100.0	0	49	

LV0016R ZOSENI LATVIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.97	0.40	2.11	143.7	89.1	0	35	
Ca++	1.07	0.10	7.00	158.5	89.6	0	37	
Q Cl-	2.02	0.40	5.00	300.1	95.2	0	42	
Mg++	0.275	0.050	1.250	40.8	85.7	0	35	
Q NO3-	0.68	0.39	1.51	101.3	95.2	0	42	
pH	5.01	4.02	6.70	1457.1	100.0	0	55	
K+	0.51	0.00	1.81	75.4	87.8	1	34	
Precip	-	0.0	11.3	148.6	100.0	35	90	
Na+	0.98	0.10	3.66	144.9	89.7	0	35	
I SO4-- corr	1.05	0.29	2.74	156.0	95.2	0	42	
I SO4--	1.14	0.36	2.88	169.5	95.2	0	42	

LV0016R ZOSENI LATVIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.65	0.16	1.85	122.9	98.4	0	36	
Ca++	1.10	0.28	5.37	208.3	88.9	0	23	
Q Cl-	2.33	1.06	9.80	443.4	98.8	0	37	
Mg++	0.343	0.040	1.470	65.2	93.3	0	27	
Q NO3-	0.58	0.20	2.10	111.0	98.8	0	37	
pH	5.45	4.36	6.71	674.1	100.0	0	44	
K+	0.36	0.05	4.90	69.2	90.4	0	26	
Precip	-	0.0	33.0	190.2	100.0	48	92	
Na+	0.49	0.05	5.46	93.8	90.4	0	26	
I SO4-- corr	0.83	0.11	2.78	157.1	97.9	0	36	
I SO4--	0.90	0.19	2.90	171.3	97.9	0	36	

LV0016R ZOSENI LATVIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.23	0.06	1.24	44.3	97.6	0	23	
Ca++	1.17	0.29	5.00	224.1	64.1	0	15	
Q Cl-	1.76	1.03	4.40	335.7	99.2	0	26	
Mg++	0.391	0.120	1.560	74.7	68.0	0	19	
Q NO3-	0.73	0.46	2.03	139.4	97.9	0	24	
pH	5.75	4.90	6.70	341.9	99.9	0	30	
K+	0.17	0.05	2.70	33.3	65.6	0	17	
Precip	-	0.0	34.4	191.0	100.0	61	92	
Na+	0.15	0.06	1.19	28.9	65.6	0	17	
I SO4-- corr	0.69	-0.11	1.42	131.8	99.2	1	26	
I SO4--	0.74	0.48	1.43	141.3	99.2	0	26	

LV0016R ZOSENI LATVIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.22	0.03	1.28	61.5	97.9	0	52	
Ca++	1.09	0.23	7.75	308.9	94.9	0	44	
Q Cl-	0.92	0.26	4.65	260.1	77.1	0	38	
Mg++	0.360	0.060	1.190	102.3	94.6	0	43	
Q NO3-	0.47	0.14	0.98	134.7	77.1	0	38	
pH	5.88	5.02	6.70	375.1	99.9	0	59	
K+	0.26	0.05	4.04	74.6	95.3	0	45	
Precip	-	0.0	26.1	284.1	100.0	30	91	
Na+	0.29	0.07	1.40	82.2	96.2	0	47	
I SO4-- corr	0.55	0.11	1.80	157.1	77.1	0	38	
I SO4--	0.58	0.13	1.92	164.4	77.1	0	38	

NL0009R KOLLUMERWAARD NETHERLANDS

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
H+	-23.	-58.	2.	-1269.	98.1	11	11	
NH4+	0.97	0.55	1.82	54.6	97.2	0	10	
Ca++	0.54	0.16	1.54	30.4	95.1	0	9	
Cl-	3.43	0.46	13.21	193.1	98.1	0	11	
Mg++	0.232	0.039	0.698	13.1	95.1	0	9	
NO3-	0.48	0.25	2.38	27.0	98.1	0	11	
pH	6.19	5.57	6.65	36.4	98.1	0	11	
K+	0.13	0.04	0.32	7.5	95.1	0	9	
Precip	-	0.0	12.3	56.2	63.3	38	57	
Na+	1.83	0.25	5.65	102.9	95.1	0	9	
SO4-- corr	0.68	0.28	1.88	38.1	98.1	0	11	
SO4--	0.84	0.34	2.25	47.2	98.1	0	11	

NL0009R KOLLUMERWAARD NETHERLANDS

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
H+	-11.	-109.	42.	-969.	98.9	22	27	
NH4+	1.25	0.38	5.00	108.5	96.2	0	22	
Ca++	0.42	0.12	1.65	36.7	91.4	0	18	
Cl-	2.32	0.21	20.61	201.1	97.1	0	23	
Mg++	0.175	0.036	1.400	15.2	91.4	0	18	
NO3-	0.70	0.15	2.61	60.5	97.1	0	23	
pH	5.37	4.45	6.82	373.5	98.9	0	27	
K+	0.18	0.07	1.09	15.9	91.4	0	18	
Precip	-	0.0	14.3	86.8	98.9	55	91	
Na+	1.31	0.17	11.54	113.9	91.4	0	18	
SO4-- corr	0.89	0.36	2.96	77.4	97.1	0	23	
SO4--	1.00	0.40	3.09	87.0	97.1	0	23	

NL0009R KOLLUMERWAARD NETHERLANDS

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
H+	2.	-107.	83.	326.	99.0	23	34	
NH4+	1.12	0.20	4.29	219.8	97.8	0	29	
Ca++	0.23	0.04	1.46	45.9	97.4	0	28	
Cl-	1.02	0.05	3.98	201.1	98.5	1	31	
Mg++	0.082	0.018	0.272	16.2	97.4	5	28	
NO3-	0.57	0.15	2.93	112.7	98.5	0	31	
pH	5.02	4.14	6.98	1885.3	99.0	0	34	
K+	0.20	0.02	1.15	39.8	97.4	1	28	
Precip	-	0.0	38.4	196.9	97.8	43	90	
Na+	0.62	0.04	2.22	122.2	97.4	0	28	
SO4-- corr	0.80	0.22	3.04	157.6	98.5	0	31	
SO4--	0.85	0.24	3.05	167.5	98.5	0	31	

NL0009R KOLLUMERWAARD NETHERLANDS

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
H+	-16.	-220.	13.	-1572.	96.4	22	24	
NH4+	0.61	0.15	2.28	60.4	93.2	0	17	
Ca++	0.38	0.08	1.62	37.2	93.2	0	17	
Cl-	6.65	0.41	26.09	659.3	96.8	0	22	
Mg++	0.441	0.018	1.274	43.7	93.2	1	17	
NO3-	0.34	0.07	1.51	33.2	96.8	0	22	
pH	5.81	5.18	7.77	153.9	98.4	0	26	
K+	0.45	0.02	2.71	44.5	93.2	1	17	
Precip	-	0.0	12.6	99.2	90.1	46	82	
Na+	3.74	0.25	10.33	370.8	93.2	0	17	
SO4-- corr	0.42	0.11	1.32	41.5	96.8	0	22	
SO4--	0.73	0.28	1.71	72.5	96.8	0	22	

NO0001R BIRKENES NORWAY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.35	0.01	2.50	130.3	98.0	0	32	
Ca++	0.10	0.00	0.57	39.0	98.0	0	32	
Cl-	4.10	0.12	25.85	1526.4	98.0	0	32	
Mg++	0.255	0.010	1.651	94.8	98.0	0	32	
NO3-	0.44	0.05	2.80	164.0	98.0	0	32	
pH	4.68	3.73	5.42	7818.7	99.2	0	40	
K+	0.10	0.00	0.52	38.1	98.0	0	32	
Precip	-	0.0	64.3	372.6	100.0	30	90	
Na+	2.06	0.06	13.83	768.0	98.0	0	32	
SO4-- corr	0.42	0.01	2.12	157.5	98.0	0	32	
SO4--	0.59	0.02	2.50	221.3	98.0	0	32	

NO0001R BIRKENES NORWAY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.26	0.00	2.94	42.1	96.5	1	23	
Ca++	0.12	0.00	1.13	18.8	96.5	2	23	
Cl-	3.47	0.08	21.91	562.1	96.5	0	23	
Mg++	0.210	0.005	1.237	33.9	96.5	4	23	
NO3-	0.33	0.03	3.32	52.9	96.5	0	23	
pH	4.67	3.62	5.33	3466.8	99.6	0	31	
K+	0.11	0.01	0.46	17.9	96.5	0	23	
Precip	-	0.0	28.9	161.9	100.0	57	92	
Na+	1.78	0.04	11.10	288.2	96.5	0	23	
SO4-- corr	0.33	0.04	2.90	53.9	96.5	0	23	
SO4--	0.47	0.04	3.15	76.6	96.5	0	23	

NO0001R BIRKENES NORWAY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.48	0.00	1.71	112.6	97.9	2	26	
Ca++	0.13	0.02	0.85	30.4	97.9	0	26	
Cl-	0.63	0.12	1.82	148.6	97.9	0	26	
Mg++	0.044	0.005	0.217	10.4	97.9	2	26	
NO3-	0.41	0.00	1.51	96.1	97.9	1	26	
pH	4.57	4.04	6.81	6393.1	99.2	0	31	
K+	0.11	0.03	0.72	26.6	97.9	0	26	
Precip	-	0.0	58.4	236.7	100.0	57	92	
Na+	0.39	0.05	1.26	92.5	97.9	0	26	
SO4-- corr	0.60	0.00	1.99	142.9	97.9	1	26	
SO4--	0.63	0.00	2.02	149.2	97.9	1	26	

NO0001R BIRKENES NORWAY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.49	0.02	1.70	210.2	99.3	0	36	
Ca++	0.09	0.00	0.49	38.6	99.3	3	36	
Cl-	1.48	0.13	11.24	634.0	99.3	0	36	
Mg++	0.098	0.005	0.753	42.2	99.3	1	36	
NO3-	0.52	0.06	3.18	225.1	99.3	0	36	
pH	4.50	3.69	5.08	13614.4	99.7	0	38	
K+	0.07	0.00	0.31	30.0	99.3	1	36	
Precip	-	0.0	56.1	429.1	100.0	44	91	
Na+	0.83	0.07	6.45	357.6	99.3	0	36	
SO4-- corr	0.51	0.06	2.08	221.1	99.3	0	36	
SO4--	0.58	0.06	2.60	250.1	99.3	0	36	

NO0008R SKREAADALEN NORWAY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.28	0.05	1.60	184.1	99.5	0	50	
Ca++	0.22	0.04	0.89	144.8	99.5	0	50	
Cl-	7.01	0.19	46.51	4609.0	99.5	0	50	
Mg++	0.454	0.022	2.779	298.4	99.5	0	50	
NO3-	0.20	0.00	1.24	129.6	99.5	1	50	
pH	4.97	4.05	6.68	7002.5	100.0	0	54	
K+	0.24	0.05	0.97	157.9	99.5	0	50	
Precip	-	0.0	53.1	657.4	100.0	34	90	
Na+	3.57	0.13	24.51	2347.6	99.5	0	50	
SO4-- corr	0.23	0.01	1.09	149.4	99.5	0	50	
SO4--	0.51	0.02	1.98	337.5	99.5	0	50	

NO0008R SKREAADALEN NORWAY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.32	0.07	2.41	151.1	98.5	0	38	
Ca++	0.32	0.02	1.16	153.2	98.5	0	38	
Cl-	10.59	0.31	64.36	5072.4	98.5	0	38	
Mg++	0.596	0.005	3.394	285.4	98.5	2	38	
NO3-	0.23	0.01	1.89	108.8	98.5	0	38	
pH	5.02	4.33	6.19	4548.8	98.7	0	40	
K+	0.35	0.06	1.26	167.2	98.5	0	38	
Precip	-	0.0	83.6	478.8	100.0	47	92	
Na+	5.72	0.17	35.83	2739.2	98.5	0	38	
SO4-- corr	0.33	0.05	1.60	158.7	98.5	0	38	
SO4--	0.73	0.06	2.91	348.5	98.5	0	38	

NO0008R SKREAADALEN NORWAY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.55	0.06	2.63	130.1	98.6	0	26	
Ca++	0.21	0.06	1.27	49.4	98.6	0	26	
Cl-	0.59	0.24	4.54	139.1	99.2	0	27	
Mg++	0.049	0.005	0.237	11.4	99.2	1	27	
NO3-	0.39	0.07	2.37	92.0	98.6	0	26	
pH	4.80	3.94	5.84	3680.7	99.1	0	28	
K+	0.24	0.05	1.37	56.4	98.6	0	26	
Precip	-	0.0	43.6	234.8	100.0	59	92	
Na+	0.39	0.14	3.12	91.0	99.2	0	27	
SO4-- corr	0.59	0.09	4.26	138.1	98.6	0	26	
SO4--	0.61	0.10	4.35	143.4	98.6	0	26	

NO0008R SKREAADALEN NORWAY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.19	0.02	1.03	124.3	97.2	0	42	
Ca++	0.11	0.03	0.72	72.1	97.7	0	43	
Cl-	2.63	0.40	14.06	1739.4	99.4	0	44	
Mg++	0.156	0.010	0.881	103.1	97.7	0	43	
NO3-	0.20	0.00	0.82	135.7	99.4	1	44	
pH	4.90	3.89	6.21	8404.1	98.1	0	47	
K+	0.19	0.06	1.35	123.0	97.2	0	42	
Precip	-	0.0	49.0	661.2	100.0	37	91	
Na+	1.39	0.24	6.61	917.6	99.4	0	44	
SO4-- corr	0.16	-0.19	1.31	106.1	99.4	10	44	
SO4--	0.26	0.00	1.44	175.5	99.4	3	44	

NO0015R TUSTERVATN NORWAY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.18	0.02	0.72	116.3	59.2	0	48	
Ca++	0.17	0.03	0.85	106.2	60.2	0	51	
Cl-	4.34	0.12	43.49	2793.0	60.2	0	51	
Mg++	0.306	0.016	2.368	197.0	60.2	0	51	
NO3-	0.06	0.00	0.66	38.0	60.2	2	51	
pH	5.32	4.34	6.55	3097.6	61.0	0	58	
K+	0.17	0.02	0.94	109.3	59.8	0	49	
Precip	-	0.0	47.5	393.7	86.7	15	78	
Na+	2.20	0.05	21.24	1417.8	60.2	0	51	
SO4-- corr	0.06	-0.02	0.80	36.3	60.2	2	51	
SO4--	0.23	0.00	1.75	150.1	60.2	1	51	

NO0015R TUSTERVATN NORWAY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.20	0.10	0.56	89.2	57.7	0	39	
Ca++	0.18	0.01	0.83	81.2	57.7	0	39	
Cl-	4.99	0.21	12.84	2207.8	57.7	0	39	
Mg++	0.320	0.005	0.901	141.4	57.7	3	39	
NO3-	0.07	0.00	0.39	31.0	57.7	1	39	
pH	5.41	4.90	6.91	1742.8	58.4	0	43	
K+	0.17	0.05	0.54	73.5	57.7	0	39	
Precip	-	0.0	31.0	260.4	90.2	28	83	
Na+	2.39	0.09	6.92	1057.1	57.7	0	39	
SO4-- corr	0.15	0.00	0.68	66.0	57.7	1	39	
SO4--	0.34	0.04	0.92	150.9	57.7	0	39	

NO0015R TUSTERVATN NORWAY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.21	0.04	0.84	38.0	90.6	0	21	
Ca++	0.14	0.04	0.70	25.6	91.6	0	22	
Cl-	0.65	0.04	3.50	118.0	91.6	0	22	
Mg++	0.040	0.005	0.231	7.3	91.6	3	22	
NO3-	0.09	0.03	0.40	17.3	91.6	0	22	
pH	5.23	4.63	6.48	1081.0	91.7	0	24	
K+	0.20	0.03	1.19	36.0	91.6	0	22	
Precip	-	0.0	24.0	182.6	100.0	52	92	
Na+	0.35	0.03	1.82	63.4	91.6	0	22	
SO4-- corr	0.13	0.00	0.66	23.4	91.6	1	22	
SO4--	0.15	0.00	0.68	27.9	91.6	1	22	

NO0015R TUSTERVATN NORWAY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.16	0.01	0.88	55.2	95.7	0	48	
Ca++	0.11	0.00	0.77	37.9	94.0	1	47	
Cl-	2.63	0.04	20.25	891.8	95.7	0	48	
Mg++	0.165	0.005	1.234	55.9	95.7	3	48	
NO3-	0.08	0.00	0.86	26.1	95.7	7	48	
pH	5.25	4.28	6.33	1927.9	97.2	0	54	
K+	0.12	0.03	0.48	39.7	95.7	0	48	
Precip	-	0.0	18.5	332.4	98.9	26	90	
Na+	1.31	0.02	9.74	445.9	95.7	0	48	
SO4-- corr	0.08	-0.02	0.90	26.1	95.7	7	48	
SO4--	0.19	0.00	0.96	62.9	95.7	5	48	

NO0039R KAARVATN NORWAY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.11	0.02	0.68	44.6	99.1	0	50	
Ca++	0.17	0.03	0.56	72.0	99.5	0	51	
Cl-	5.65	0.11	27.27	2328.6	99.5	0	51	
Mg++	0.363	0.005	1.472	149.7	99.5	0	51	
NO3-	0.05	0.00	0.54	19.8	99.5	1	51	
pH	5.32	4.51	6.25	1966.2	99.2	0	52	
K+	0.20	0.03	0.80	81.5	98.8	0	49	
Precip	-	0.0	39.4	412.1	100.0	35	90	
Na+	2.84	0.07	13.14	1168.3	99.5	0	51	
SO4-- corr	0.05	-0.01	0.23	19.5	99.5	2	51	
SO4--	0.27	0.00	1.25	112.2	99.5	0	51	

NO0039R KAARVATN NORWAY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.09	0.02	0.57	59.7	99.7	0	52	
Ca++	0.14	0.00	0.67	87.8	98.4	2	51	
Cl-	4.44	0.13	28.28	2836.5	99.7	0	52	
Mg++	0.292	0.005	1.810	186.5	99.7	5	52	
NO3-	0.05	0.00	0.50	32.1	99.7	6	52	
pH	5.13	4.30	6.24	4762.1	98.7	0	53	
K+	0.15	0.03	0.60	97.6	99.7	0	52	
Precip	-	0.0	67.5	638.3	100.0	36	92	
Na+	2.23	0.07	14.49	1422.5	99.7	0	52	
SO4-- corr	0.14	-0.01	1.30	92.5	99.7	2	52	
SO4--	0.32	0.00	1.75	207.7	99.7	1	52	

NO0039R KAARVATN NORWAY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.32	0.00	1.98	50.9	94.7	1	23	
Ca++	0.13	0.00	1.18	20.6	94.7	2	23	
Cl-	0.34	0.05	1.52	53.9	95.6	0	24	
Mg++	0.036	0.005	0.219	5.7	95.6	4	24	
NO3-	0.20	0.03	1.81	31.9	94.7	0	23	
pH	4.93	3.95	6.25	1873.6	98.7	0	31	
K+	0.13	0.00	0.82	20.7	95.6	2	24	
Precip	-	0.0	14.1	157.6	100.0	54	92	
Na+	0.22	0.04	1.24	33.9	95.6	0	24	
SO4-- corr	0.32	0.00	3.21	50.9	94.7	1	23	
SO4--	0.34	0.00	3.23	53.3	94.7	1	23	

NO0039R KAARVATN NORWAY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.08	0.02	0.36	62.4	99.6	0	48	
Ca++	0.06	0.00	0.48	51.0	99.6	8	48	
Cl-	1.95	0.04	8.26	1564.2	99.6	0	48	
Mg++	0.129	0.005	0.543	103.9	99.6	4	48	
NO3-	0.04	0.00	0.47	29.5	99.2	12	47	
pH	5.39	4.42	5.81	3308.5	100.0	0	52	
K+	0.05	0.00	0.27	43.5	99.6	5	48	
Precip	-	0.0	69.4	802.6	100.0	38	91	
Na+	1.05	0.02	4.52	844.0	99.6	0	48	
SO4-- corr	0.02	-0.05	0.36	18.8	99.6	9	48	
SO4--	0.11	0.00	0.42	88.9	99.6	5	48	

NO0041R OSEN NORWAY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.16	0.03	0.23	16.6	97.9	0	20	
Ca++	0.08	0.00	0.17	8.3	97.9	0	20	
Cl-	0.52	0.04	1.27	55.8	97.9	0	20	
Mg++	0.040	0.005	0.082	4.3	97.9	1	20	
NO3-	0.28	0.06	0.64	29.6	97.9	0	20	
pH	4.83	4.39	5.49	1577.9	100.0	0	24	
K+	0.05	0.00	0.20	5.1	97.9	0	20	
Precip	-	0.0	13.5	106.6	100.0	66	90	
Na+	0.28	0.01	0.68	29.9	97.9	0	20	
SO4-- corr	0.18	0.00	0.38	19.5	97.9	0	20	
SO4--	0.20	0.00	0.43	21.9	97.9	0	20	

NO0041R OSEN NORWAY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.10	0.03	0.40	19.2	99.5	0	15	
Ca++	0.04	0.00	0.47	7.8	99.5	3	15	
Cl-	0.19	0.05	1.04	35.3	99.5	0	15	
Mg++	0.016	0.005	0.200	2.9	99.5	7	15	
NO3-	0.16	0.05	0.76	28.6	99.5	0	15	
pH	4.93	4.41	5.40	2124.8	100.0	0	16	
K+	0.05	0.00	0.20	9.7	99.5	2	15	
Precip	-	0.0	44.6	182.1	100.0	76	92	
Na+	0.09	0.01	0.47	17.3	99.5	0	15	
SO4-- corr	0.16	0.04	0.77	29.2	99.5	0	15	
SO4--	0.17	0.04	0.81	30.1	99.5	0	15	

NO0041R OSEN NORWAY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.30	0.02	1.34	57.5	88.7	0	18	
Ca++	0.18	0.07	0.64	33.7	97.8	0	20	
Cl-	0.10	0.05	0.58	19.9	97.8	0	20	
Mg++	0.027	0.005	0.170	5.1	97.8	5	20	
NO3-	0.18	0.00	0.60	34.7	97.8	1	20	
pH	4.89	4.50	5.50	2445.8	98.1	0	21	
K+	0.08	0.02	1.01	14.8	88.7	0	18	
Precip	-	0.0	41.4	190.2	100.0	69	92	
Na+	0.05	0.02	0.35	9.7	97.8	0	20	
SO4-- corr	0.39	0.09	1.07	74.6	97.8	0	20	
SO4--	0.40	0.09	1.10	75.5	97.8	0	20	

NO0041R OSEN NORWAY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.15	0.01	0.47	28.3	94.8	0	22	
Ca++	0.09	0.00	0.74	17.5	93.8	2	21	
Cl-	0.18	0.03	0.68	34.8	94.8	0	22	
Mg++	0.022	0.005	0.190	4.2	94.8	5	22	
NO3-	0.17	0.00	0.78	33.4	94.8	1	22	
pH	4.85	4.22	6.56	2687.9	94.5	0	23	
K+	0.10	0.01	0.89	19.2	93.8	0	21	
Precip	-	0.0	35.5	191.8	100.0	63	91	
Na+	0.09	0.01	0.37	18.2	94.8	0	22	
SO4-- corr	0.16	0.00	0.74	30.2	94.8	1	22	
SO4--	0.16	0.00	0.75	31.5	94.8	1	22	

NO0055R KARASJOK NORWAY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.11	0.02	0.29	2.8	70.6	0	10	
Ca++	0.22	0.12	0.83	5.9	70.6	0	10	
Cl-	0.90	0.33	3.38	24.0	70.6	0	10	
Mg++	0.111	0.040	0.301	2.9	70.6	0	10	
NO3-	0.16	0.04	0.59	4.2	70.6	0	10	
pH	5.00	4.58	5.84	263.8	89.4	0	19	
K+	0.05	0.03	0.11	1.4	70.6	0	10	
Precip	-	0.0	4.5	26.5	56.7	19	51	
Na+	0.44	0.15	1.63	11.5	70.6	0	10	
SO4-- corr	0.05	0.01	0.14	1.3	70.6	0	10	
SO4--	0.08	0.03	0.18	2.2	70.6	0	10	

NO0055R KARASJOK NORWAY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.10	0.02	0.30	4.0	82.7	0	14	
Ca++	0.15	0.00	0.55	6.1	82.7	1	14	
Cl-	1.59	0.15	7.80	64.1	82.7	0	14	
Mg++	0.135	0.005	0.463	5.4	82.7	2	14	
NO3-	0.14	0.06	0.44	5.8	82.7	0	14	
pH	4.93	4.39	6.24	479.7	95.8	0	24	
K+	0.22	0.03	0.88	8.8	82.7	0	14	
Precip	-	0.0	5.2	40.4	100.0	56	92	
Na+	0.85	0.08	3.35	34.2	82.7	0	14	
SO4-- corr	0.31	0.05	0.78	12.6	82.7	0	14	
SO4--	0.38	0.09	0.97	15.2	82.7	0	14	

NO0055R KARASJOK NORWAY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.12	0.04	0.30	5.4	84.0	0	9	
Ca++	0.05	0.03	0.14	2.6	84.0	0	9	
Cl-	0.28	0.10	0.83	13.2	84.0	0	9	
Mg++	0.017	0.005	0.060	0.8	84.0	3	9	
NO3-	0.08	0.03	0.25	3.6	84.0	0	9	
pH	4.92	3.89	6.07	562.1	93.2	0	15	
K+	0.13	0.04	0.22	6.0	84.0	0	9	
Precip	-	0.0	13.1	46.8	100.0	65	92	
Na+	0.20	0.10	0.59	9.6	84.0	0	9	
SO4-- corr	0.11	-0.01	0.64	5.2	84.0	3	9	
SO4--	0.12	0.00	0.66	5.7	84.0	2	9	

NO0055R KARASJOK NORWAY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.14	0.06	0.42	10.3	84.4	0	19	
Ca++	0.07	0.02	0.18	4.8	84.4	0	19	
Cl-	0.64	0.12	3.78	45.9	84.4	0	19	
Mg++	0.035	0.005	0.239	2.5	84.4	2	19	
NO3-	0.11	0.01	0.36	7.8	84.4	0	19	
pH	5.08	4.62	6.11	596.5	92.2	0	27	
K+	0.21	0.07	0.59	15.2	84.4	0	19	
Precip	-	0.0	10.2	71.8	100.0	43	91	
Na+	0.38	0.06	2.16	27.5	84.4	0	19	
SO4-- corr	0.17	0.01	0.54	12.2	84.4	0	19	
SO4--	0.19	0.05	0.55	13.9	84.4	0	19	

PL0002R JARCZEW POLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.20	0.23	10.86	44.5	90.6	0	36	
Ca++	0.58	0.08	2.25	21.4	91.1	0	37	
Cl-	1.88	0.33	19.31	69.9	93.8	0	42	
Mg++	0.109	0.010	0.760	4.0	91.1	0	37	
NO3-	1.23	0.40	8.36	45.6	93.8	0	42	
pH	4.26	3.00	5.48	2069.2	91.1	0	37	
K+	0.21	0.04	1.47	7.8	91.1	0	37	
Precip	-	0.0	4.5	37.2	100.0	35	90	
Na+	0.54	0.05	3.48	20.2	91.1	0	37	
SO4-- corr	1.70	0.28	16.14	63.3	93.8	0	42	
SO4--	1.76	0.28	16.34	65.3	93.8	0	42	

PL0002R JARCZEW POLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.09	0.35	16.76	114.8	99.6	0	37	
Ca++	0.40	0.07	3.47	41.6	92.6	0	36	
Cl-	0.79	0.10	4.85	83.0	99.6	0	37	
Mg++	0.067	0.010	0.580	7.0	92.6	0	36	
NO3-	0.70	0.16	6.04	73.1	99.6	0	37	
pH	4.61	4.00	6.72	2587.0	99.6	0	37	
K+	0.14	0.02	1.58	14.3	92.6	0	36	
Precip	-	0.1	10.1	105.0	100.0	51	92	
Na+	0.33	0.03	2.17	34.6	92.6	0	36	
SO4-- corr	1.23	0.33	18.69	129.1	99.6	0	37	
SO4--	1.26	0.35	18.87	131.9	99.6	0	37	

PL0002R JARCZEW POLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.37	0.12	3.35	120.6	99.8	0	36	
Ca++	0.16	0.05	0.98	51.9	99.7	0	34	
Cl-	0.16	0.07	1.65	50.8	99.8	0	36	
Mg++	0.020	0.010	0.200	6.5	99.7	0	34	
NO3-	0.22	0.08	3.19	71.3	99.8	0	36	
pH	4.82	3.86	7.35	4940.7	99.8	0	36	
K+	0.05	0.01	0.67	15.4	99.7	0	34	
Precip	-	0.0	61.6	326.9	100.0	53	92	
Na+	0.06	0.02	0.60	18.5	99.7	0	34	
SO4-- corr	0.57	0.15	5.83	185.8	99.8	0	36	
SO4--	0.57	0.15	5.91	187.4	99.8	0	36	

PL0002R JARCZEW POLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.96	0.20	10.54	126.9	98.9	0	44	
Ca++	0.26	0.07	2.42	34.7	98.9	0	44	
Cl-	0.69	0.11	7.33	91.1	99.2	0	47	
Mg++	0.048	0.010	0.420	6.3	98.9	0	44	
NO3-	0.53	0.19	4.60	69.5	99.2	0	47	
pH	4.51	3.90	7.38	4038.3	98.9	0	44	
K+	0.08	0.01	0.94	10.0	98.9	0	44	
Precip	-	0.0	14.3	132.2	100.0	37	91	
Na+	0.25	0.04	2.93	33.5	98.9	0	44	
SO4-- corr	1.15	0.26	10.50	152.1	99.2	0	47	
SO4--	1.17	0.26	10.57	155.1	99.2	0	47	

PL0003R SNIEZKA POLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.90	0.07	5.24	194.5	95.5	0	41	
Ca++	0.49	0.05	2.80	104.9	94.4	0	37	
Cl-	1.98	0.13	7.22	425.5	95.5	0	41	
Mg++	0.157	0.010	0.590	33.8	94.4	0	37	
NO3-	1.11	0.20	4.17	237.9	95.5	0	41	
pH	4.34	3.61	5.42	9893.1	94.6	0	38	
K+	0.40	0.12	1.49	86.3	94.4	0	37	
Precip	-	0.0	25.0	214.9	100.0	44	90	
Na+	1.29	0.17	4.42	276.5	94.4	0	37	
SO4-- corr	1.34	0.17	4.66	287.4	95.5	0	41	
SO4--	1.44	0.19	4.79	308.6	95.5	0	41	

PL0003R SNIEZKA POLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.96	0.02	7.49	208.5	98.6	0	55	
Ca++	0.43	0.10	6.99	93.6	97.2	0	52	
Cl-	2.02	0.10	12.26	436.7	98.6	0	55	
Mg++	0.162	0.040	1.130	35.1	97.2	0	52	
NO3-	0.76	0.24	4.57	164.6	98.6	0	55	
pH	4.37	3.76	5.81	9304.7	98.0	0	53	
K+	0.39	0.10	3.21	83.5	97.2	0	52	
Precip	-	0.0	17.2	216.2	100.0	30	92	
Na+	1.13	0.18	3.91	244.3	97.2	0	52	
SO4-- corr	1.38	0.32	6.76	297.4	98.6	0	55	
SO4--	1.47	0.35	6.90	317.0	98.6	0	55	

PL0003R SNIEZKA POLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.30	0.06	7.43	149.6	99.0	0	45	
Ca++	0.38	0.05	13.73	186.1	99.0	0	45	
Cl-	0.21	0.04	14.82	101.5	99.5	0	46	
Mg++	0.061	0.020	1.830	30.0	99.0	0	45	
NO3-	0.52	0.10	9.03	256.5	99.5	0	46	
pH	4.36	3.50	6.10	21408.6	99.5	0	46	
K+	0.15	0.05	5.58	72.2	99.0	0	45	
Precip	-	0.0	107.7	493.9	100.0	41	92	
Na+	0.20	0.05	6.55	98.9	99.0	0	45	
SO4-- corr	0.88	0.19	15.39	435.2	99.5	0	46	
SO4--	0.90	0.20	15.65	443.5	99.5	0	46	

PL0003R SNIEZKA POLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.67	0.04	9.12	145.4	99.7	0	57	
Ca++	0.46	0.08	5.62	99.1	99.7	0	57	
Cl-	1.32	0.17	22.12	284.8	99.7	0	57	
Mg++	0.125	0.010	1.710	27.0	99.7	0	57	
NO3-	0.79	0.10	6.70	169.6	99.7	0	57	
pH	4.28	3.52	6.24	11303.7	99.8	0	58	
K+	0.20	0.04	2.58	43.1	99.7	0	57	
Precip	-	0.0	31.9	215.9	100.0	32	91	
Na+	0.79	0.08	17.45	170.1	99.7	0	57	
SO4-- corr	1.15	0.30	10.38	248.7	99.7	0	57	
SO4--	1.22	0.31	10.50	262.2	99.7	0	57	

PL0004R LEBA POLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.60	0.07	5.85	39.8	94.0	0	32	
Ca++	0.27	0.05	1.79	17.9	94.0	0	32	
Cl-	2.61	0.31	15.02	174.2	94.0	0	32	
Mg++	0.179	0.020	1.030	11.9	94.0	0	32	
NO3-	0.81	0.20	8.21	53.8	94.0	0	32	
pH	4.66	3.37	5.41	1458.1	94.0	0	32	
K+	0.11	0.01	0.59	7.3	94.0	0	32	
Precip	-	0.0	8.6	66.7	100.0	40	90	
Na+	1.42	0.14	9.48	95.0	94.0	0	32	
SO4-- corr	0.73	0.13	7.04	48.5	94.0	0	32	
SO4--	0.84	0.14	7.29	56.1	94.0	0	32	

PL0004R LEBA POLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.78	0.16	4.19	119.9	96.9	0	38	
Ca++	0.31	0.04	2.68	48.0	96.9	0	38	
Cl-	1.38	0.17	30.59	213.5	96.9	0	38	
Mg++	0.120	0.010	2.310	18.4	96.9	0	38	
NO3-	0.62	0.12	5.89	95.7	96.9	0	38	
pH	4.58	3.76	6.39	4031.5	96.9	0	38	
K+	0.08	0.01	1.05	12.1	96.9	0	38	
Precip	-	0.1	21.7	154.1	100.0	46	92	
Na+	0.79	0.08	17.24	121.0	96.9	0	38	
SO4-- corr	0.82	0.15	5.55	127.2	96.9	0	38	
SO4--	0.89	0.17	5.99	137.1	96.9	0	38	

PL0004R LEBA POLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.12	2.13	36.3	92.6	0	16	
Ca++	0.34	0.07	1.35	25.8	92.6	0	16	
Cl-	0.57	0.19	3.35	44.1	92.6	0	16	
Mg++	0.076	0.030	0.280	5.8	92.6	0	16	
NO3-	0.45	0.17	1.48	34.6	92.6	0	16	
pH	4.63	4.28	6.28	1809.9	92.6	0	16	
K+	0.09	0.03	0.64	7.3	92.6	0	16	
Precip	-	0.0	10.6	76.7	100.0	67	92	
Na+	0.32	0.06	2.22	24.4	92.6	0	16	
SO4-- corr	0.75	0.25	2.18	57.4	92.6	0	16	
SO4--	0.77	0.28	2.23	59.4	92.6	0	16	

PL0004R LEBA POLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.28	0.02	2.65	87.8	98.6	0	45	
Ca++	0.12	0.03	0.99	36.7	98.6	0	45	
Cl-	2.13	0.17	27.17	664.5	98.6	0	45	
Mg++	0.142	0.020	1.700	44.4	98.6	0	45	
NO3-	0.28	0.08	2.51	85.8	98.6	0	45	
pH	4.74	3.51	7.14	5630.9	98.6	0	45	
K+	0.05	0.01	0.55	16.9	98.6	0	45	
Precip	-	0.0	24.4	312.2	100.0	33	91	
Na+	1.14	0.04	15.24	356.9	98.6	0	45	
SO4-- corr	0.35	0.06	6.01	109.7	98.6	0	45	
SO4--	0.44	0.10	6.27	138.8	98.6	0	45	

PL0005R DIABLA GORA POLAND

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.67	0.07	4.02	34.2	99.6	0	44	
Ca++	0.27	0.03	1.40	13.8	94.7	0	29	
Cl-	1.69	0.40	11.88	87.0	99.0	0	43	
Mg++	0.103	0.007	0.486	5.3	94.7	0	29	
NO3-	1.02	0.10	9.30	52.6	99.8	0	45	
pH	4.36	3.48	5.63	2216.6	99.8	0	45	
K+	0.17	0.03	1.60	8.5	94.7	0	29	
Precip	-	0.0	7.7	67.2	100.0	43	90	
Precip off	-	0.0	7.8	51.4	65.6	23	59	
Na+	0.73	0.04	3.96	37.6	94.7	0	29	
SO4-- corr	0.93	0.09	7.76	47.8	99.0	0	43	
SO4--	1.00	0.11	7.91	51.6	99.8	0	45	

PL0005R DIABLA GORA POLAND

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.26	0.06	15.10	178.0	98.8	0	45	
Ca++	0.36	0.00	3.20	50.5	96.9	1	34	
Cl-	0.69	0.10	10.50	97.4	99.5	0	48	
Mg++	0.078	0.014	0.334	11.0	96.9	0	34	
NO3-	0.84	0.19	5.27	118.6	99.5	0	48	
pH	4.79	3.75	6.32	2303.4	99.1	0	44	
K+	0.25	0.03	2.17	35.9	96.9	0	34	
Precip	-	0.0	13.8	138.0	100.0	41	92	
Precip off	-	0.0	14.4	141.2	100.0	41	92	
Na+	0.27	0.03	2.59	37.6	96.9	0	34	
SO4-- corr	0.65	0.14	5.68	91.4	99.5	0	48	
SO4--	0.68	0.15	5.80	95.3	99.6	0	49	

PL0005R DIABLA GORA POLAND

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.12	4.15	78.1	99.8	0	33	
Ca++	0.37	0.10	1.90	61.2	99.6	0	31	
Cl-	0.25	0.10	6.00	40.7	99.9	0	34	
Mg++	0.061	0.021	0.441	10.1	99.6	0	31	
NO3-	0.30	0.16	2.07	48.7	99.9	0	34	
pH	5.21	4.13	7.03	1017.4	99.9	0	34	
K+	0.19	0.04	2.12	30.5	99.6	0	31	
Precip	-	0.0	21.3	156.7	100.0	57	92	
Precip off	-	0.0	22.9	164.8	100.0	57	92	
Na+	0.08	0.02	0.61	13.6	99.6	0	31	
SO4-- corr	0.44	0.17	3.92	72.1	99.9	0	34	
SO4--	0.44	0.17	4.20	73.4	99.9	0	34	

PL0005R DIABLA GORA POLAND

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.44	0.01	3.83	93.9	97.2	0	50	
Ca++	0.19	0.00	1.30	40.8	98.6	3	43	
Cl-	0.89	0.10	5.70	189.0	98.8	0	50	
Mg++	0.059	0.007	0.306	12.6	98.6	0	43	
NO3-	0.32	0.07	4.27	68.6	100.0	0	53	
pH	4.85	3.71	6.52	3011.5	99.7	0	50	
K+	0.12	0.02	0.88	24.9	98.6	0	43	
Precip	-	0.0	32.3	219.7	100.0	38	91	
Precip off	-	0.0	32.0	211.9	100.0	37	91	
Na+	0.35	0.02	2.52	73.5	97.6	0	42	
SO4-- corr	0.57	0.13	3.41	121.8	100.0	0	53	
SO4--	0.61	0.18	3.44	128.4	100.0	0	53	

PT0001F BRAGANCA PORTUGAL

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.30	0.01	1.11	33.7	100.0	1	19	
Ca++	1.02	0.06	3.90	114.7	100.0	0	19	
Cl-	0.93	0.08	3.10	104.8	100.0	0	19	
Mg++	0.191	0.030	0.920	21.5	100.0	0	19	
NO3-	0.22	0.09	0.36	24.2	100.0	0	19	
pH	5.55	4.71	7.39	320.4	100.0	0	19	
K+	0.38	0.02	1.39	42.6	100.0	0	19	
Precip off	-	6.3	21.6	112.5	65.6	51	59	
Na+	0.76	0.05	2.93	85.2	100.0	0	19	
SO4-- corr	0.47	0.01	0.89	53.0	100.0	0	19	
SO4--	0.51	0.03	0.92	57.8	100.0	0	19	

PT0001F BRAGANCA PORTUGAL

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.33	0.01	0.68	32.4	100.0	1	9	
Ca++	0.52	0.10	0.80	51.7	100.0	0	9	
Cl-	0.33	0.10	0.90	32.4	100.0	0	9	
Mg++	0.103	0.040	0.160	10.2	100.0	0	9	
NO3-	0.26	0.11	0.40	26.2	100.0	0	9	
pH	5.65	5.31	6.35	219.0	100.0	0	9	
K+	0.07	0.03	0.18	7.1	100.0	0	9	
Precip off	-	6.0	20.1	98.8	100.0	83	92	
Na+	0.19	0.10	0.46	19.2	100.0	0	9	
SO4-- corr	0.34	0.14	0.65	33.4	100.0	0	9	
SO4--	0.35	0.17	0.66	34.9	100.0	0	9	

PT0001F BRAGANCA PORTUGAL

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.34	0.01	1.92	29.4	100.0	1	5	
Ca++	1.34	0.20	6.40	117.3	100.0	0	5	
Cl-	0.24	0.00	1.00	21.2	100.0	2	5	
Mg++	0.132	0.015	0.780	11.6	100.0	1	5	
NO3-	0.26	0.09	1.44	22.6	100.0	0	5	
pH	5.87	5.44	6.70	118.0	100.0	0	5	
K+	0.18	0.03	1.15	15.5	100.0	1	5	
Precip off	-	5.6	36.9	87.7	100.0	87	92	
Na+	0.29	0.01	0.50	25.2	100.0	1	5	
SO4-- corr	0.47	0.06	2.61	40.9	100.0	0	5	
SO4--	0.49	0.07	2.65	43.0	100.0	0	5	

PT0001F BRAGANCA PORTUGAL

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.09	0.01	0.82	31.6	100.0	16	20	
Ca++	0.12	0.05	0.50	45.6	100.0	15	20	
Cl-	0.34	0.00	3.00	123.7	100.0	4	20	
Mg++	0.019	0.015	0.050	6.8	100.0	16	20	
NO3-	0.09	0.01	0.46	33.9	100.0	7	20	
pH	5.18	4.11	6.46	2399.5	100.0	0	20	
K+	0.06	0.04	0.68	22.9	100.0	19	20	
Precip off	-	6.2	37.5	364.7	100.0	71	91	
Na+	0.09	0.01	1.67	30.9	100.0	13	20	
SO4-- corr	0.17	0.00	0.72	60.2	100.0	2	20	
SO4--	0.17	0.02	0.72	63.6	100.0	2	20	

PT0003F V. DO CASTELO PORTUGAL

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.35	0.05	0.84	62.6	34.4	0	14	
Ca++	0.54	0.13	1.40	97.2	100.0	0	28	
Cl-	6.82	0.34	13.10	1228.0	74.8	0	18	
Mg++	0.486	0.090	1.150	87.5	100.0	0	28	
NO3-	0.25	0.10	0.54	44.7	34.4	0	14	
pH	5.85	5.19	6.00	254.8	34.4	0	14	
K+	0.19	0.05	0.40	34.2	100.0	0	28	
Precip off	-	7.1	30.8	180.1	65.6	44	59	
Na+	3.25	0.40	7.60	585.8	100.0	0	28	
SO4-- corr	0.41	0.09	1.17	73.5	74.8	0	23	
SO4--	0.74	0.12	1.71	133.0	100.0	0	28	

PT0003F V. DO CASTELO PORTUGAL

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.28	0.01	1.07	61.3	100.0	1	17	
Ca++	0.84	0.20	8.50	181.6	100.0	0	17	
Cl-	3.86	0.40	18.40	837.7	100.0	0	17	
Mg++	0.397	0.040	2.430	86.2	100.0	0	17	
NO3-	0.18	0.01	0.56	39.4	100.0	2	17	
pH	5.36	4.57	6.38	951.0	100.0	0	17	
K+	0.26	0.05	2.40	56.7	100.0	0	17	
Precip off	-	6.9	32.4	217.3	100.0	75	92	
Na+	2.18	0.19	8.03	474.9	100.0	0	17	
SO4-- corr	0.44	0.10	1.87	96.1	100.0	0	17	
SO4--	0.62	0.23	1.98	135.2	100.0	0	17	

PT0003F V. DO CASTELO PORTUGAL

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.11	0.07	0.23	11.2	89.5	0	6	
Ca++	0.98	0.40	2.80	101.5	89.5	0	6	
Cl-	3.39	1.10	8.20	350.8	89.5	0	6	
Mg++	0.310	0.090	0.740	32.1	89.5	0	6	
NO3-	0.16	0.01	0.20	16.0	89.5	1	6	
pH	5.66	5.04	6.20	226.2	89.5	0	6	
K+	0.16	0.11	0.51	16.8	89.5	0	6	
Precip off	-	7.4	43.0	103.5	100.0	85	92	
Na+	1.92	0.67	4.29	198.9	89.5	0	6	
SO4-- corr	0.40	0.21	1.00	41.3	89.5	0	6	
SO4--	0.56	0.41	1.16	57.9	89.5	0	6	

PT0003F V. DO CASTELO PORTUGAL

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.06	0.01	0.60	43.6	98.3	11	29	
Ca++	0.22	0.05	1.70	158.3	98.3	5	29	
Cl-	4.54	0.80	20.70	3193.9	98.3	0	29	
Mg++	0.280	0.015	1.620	197.4	98.3	4	29	
NO3-	0.11	0.07	0.34	79.7	98.3	0	29	
pH	5.30	4.66	7.83	3557.0	98.3	0	29	
K+	0.08	0.04	0.31	55.1	98.3	19	29	
Precip off	-	6.7	72.0	704.0	100.0	61	91	
Na+	2.97	0.29	12.07	2093.5	98.3	0	29	
SO4-- corr	0.23	0.04	1.40	165.2	98.3	0	29	
SO4--	0.43	0.21	1.66	300.8	98.3	0	29	

PT0004F MONTE VELHO PORTUGAL

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.01	0.01	0.29	2.0	100.0	7	25	
Ca++	0.20	0.10	1.69	27.2	100.0	0	24	
Cl-	3.31	0.60	56.17	440.7	100.0	0	25	
Mg++	0.249	0.050	2.530	33.2	100.0	0	24	
NO3-	0.09	0.01	0.72	11.9	100.0	2	25	
pH	5.15	4.87	5.75	934.6	100.0	0	25	
K+	0.08	0.03	0.91	10.7	100.0	0	24	
Precip off	-	4.8	38.5	133.0	65.6	52	59	
Na+	1.65	0.29	27.60	219.8	100.0	0	24	
SO4-- corr	0.20	0.10	0.95	27.1	100.0	0	25	
SO4--	0.36	0.13	2.59	47.7	100.0	0	25	

PT0004F MONTE VELHO PORTUGAL

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.16	0.01	0.43	18.9	100.0	4	8	
Ca++	0.48	0.20	1.90	56.7	100.0	0	8	
Cl-	3.06	1.90	5.90	362.8	100.0	0	8	
Mg++	0.262	0.150	0.620	31.1	100.0	0	8	
NO3-	0.18	0.11	0.35	21.0	100.0	0	8	
pH	4.57	4.01	6.28	3216.9	100.0	0	8	
K+	0.10	0.05	0.21	12.5	100.0	0	8	
Precip off	-	5.7	25.0	118.6	100.0	84	92	
Na+	1.50	0.70	3.71	177.6	100.0	0	8	
SO4-- corr	0.68	0.20	1.67	80.2	100.0	0	8	
SO4--	0.82	0.40	1.79	97.1	100.0	0	8	

PT0004F MONTE VELHO PORTUGAL

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.41	0.06	1.26	15.1	100.0	0	2	
Ca++	1.09	0.20	3.30	40.6	100.0	0	2	
Cl-	5.11	3.30	9.60	190.2	100.0	0	2	
Mg++	0.425	0.290	0.760	15.8	100.0	0	2	
NO3-	0.29	0.06	0.86	10.8	100.0	0	2	
pH	4.75	4.61	6.29	656.0	100.0	0	2	
K+	0.22	0.06	0.63	8.3	100.0	0	2	
Precip off	-	10.7	26.5	37.2	100.0	90	92	
Na+	2.83	1.87	5.19	105.1	100.0	0	2	
SO4-- corr	1.02	0.47	2.41	38.1	100.0	0	2	
SO4--	1.26	0.62	2.84	46.8	100.0	0	2	

PT0004F MONTE VELHO PORTUGAL

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.05	0.01	0.68	20.6	100.0	15	20	
Ca++	0.29	0.05	3.60	109.3	100.0	2	20	
Cl-	6.43	0.50	33.20	2454.9	100.0	0	20	
Mg++	0.367	0.015	1.980	140.3	100.0	2	20	
NO3-	0.12	0.01	1.20	47.1	100.0	3	20	
pH	4.73	4.36	6.67	7188.8	100.0	0	20	
K+	0.10	0.04	0.58	38.4	100.0	9	20	
Precip off	-	5.3	92.5	382.1	100.0	71	91	
Na+	3.40	0.01	16.61	1299.8	100.0	1	20	
SO4-- corr	0.38	0.03	1.60	145.3	100.0	0	20	
SO4--	0.63	0.16	1.85	240.8	100.0	0	20	

RU0001R JANISKOSKI RUSSIAN FEDERATION

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.08	0.00	0.41	5.6	100.0	6	19	
Q Ca++	0.16	0.00	0.26	11.8	100.0	0	19	
Cl-	0.84	0.28	2.70	63.1	100.0	0	19	
Mg++	0.030	0.000	0.147	2.3	100.0	3	19	
NO3-	0.21	0.00	0.44	15.9	100.0	2	19	
pH	5.06	4.53	5.75	657.8	100.0	0	19	
I K+	0.21	0.06	0.60	15.8	100.0	0	19	
Precip	-	0.0	7.8	74.9	100.0	71	90	
Na+	0.50	0.18	1.58	37.3	100.0	0	19	
SO4-- corr	0.17	0.08	0.34	12.8	100.0	0	19	
SO4--	0.19	0.08	0.37	14.3	100.0	0	19	

RU0001R JANISKOSKI RUSSIAN FEDERATION

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.10	0.00	0.48	6.7	100.0	6	15	
Q Ca++	0.15	0.06	0.32	9.8	100.0	0	15	
Cl-	0.85	0.34	1.68	56.9	100.0	0	15	
Mg++	0.048	0.018	0.323	3.2	100.0	0	15	
NO3-	0.13	0.00	0.66	8.5	100.0	3	15	
pH	4.83	4.45	6.38	1001.4	100.0	0	15	
I K+	0.22	0.00	0.57	15.1	100.0	1	15	
Precip	-	0.0	9.0	67.1	100.0	77	92	
Na+	0.51	0.20	1.25	34.5	100.0	0	15	
SO4-- corr	0.39	0.06	0.95	26.1	100.0	0	15	
SO4--	0.42	0.09	0.96	28.0	100.0	0	15	

RU0001R JANISKOSKI RUSSIAN FEDERATION

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.01	0.00	0.13	0.9	100.0	9	10	
Q	Ca++	0.16	0.00	0.35	17.5	100.0	1	10	
	Cl-	0.54	0.39	0.71	58.5	100.0	0	10	
	Mg++	0.035	0.009	0.082	3.8	100.0	0	10	
	NO3-	0.03	0.00	0.32	3.2	100.0	6	10	
	pH	4.70	4.33	5.99	2141.2	100.0	0	10	
I	K+	0.18	0.00	0.29	19.6	100.0	2	10	
	Precip	-	0.0	43.3	107.7	100.0	82	92	
	Na+	0.28	0.22	0.44	30.3	100.0	0	10	
	SO4-- corr	0.44	0.10	0.84	46.8	100.0	0	10	
	SO4--	0.46	0.11	0.86	49.0	100.0	0	10	

RU0001R JANISKOSKI RUSSIAN FEDERATION

September 1997 - November 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.05	0.00	0.28	5.0	100.0	11	20	
Q	Ca++	0.16	0.00	0.39	17.8	100.0	4	20	
	Cl-	0.77	0.13	1.85	83.9	100.0	0	20	
	Mg++	0.031	0.000	0.131	3.4	100.0	1	20	
	NO3-	0.07	0.00	0.36	7.8	100.0	11	20	
	pH	5.11	4.63	6.26	847.6	100.0	0	20	
I	K+	0.36	0.00	1.17	39.7	100.0	3	20	
	Precip	-	0.0	14.0	109.2	100.0	71	91	
	Na+	0.45	0.04	1.08	48.7	100.0	0	20	
	SO4-- corr	0.34	0.11	1.12	37.7	100.0	0	20	
	SO4--	0.36	0.12	1.15	39.7	100.0	0	20	

RU0013R PINEGA RUSSIAN FEDERATION

December 1996 - February 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.72	0.20	3.30	60.7	100.0	0	37	
Q	Ca++	0.39	0.16	1.66	33.0	100.0	0	37	
	Cl-	1.96	0.38	23.86	165.5	100.0	0	37	
	Mg++	0.088	0.023	0.619	7.5	100.0	0	37	
	NO3-	0.45	0.13	2.87	38.3	100.0	0	37	
	pH	5.18	4.66	7.43	559.3	100.0	0	37	
I	K+	0.70	0.00	7.00	59.2	100.0	1	37	
	Precip	-	0.0	11.0	84.5	100.0	53	90	
	Na+	1.30	0.14	17.40	109.5	100.0	0	37	
	SO4-- corr	0.79	0.13	2.34	66.5	100.0	0	37	
	SO4--	0.84	0.16	2.77	71.3	100.0	0	37	

RU0013R PINEGA RUSSIAN FEDERATION

March 1997 - May 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.67	0.07	4.31	55.5	100.0	0	29	
Q	Ca++	0.40	0.16	1.09	33.3	100.0	0	29	
	Cl-	1.11	0.40	5.29	91.8	100.0	0	29	
	Mg++	0.069	0.007	0.282	5.7	99.9	0	28	
	NO3-	0.32	0.04	1.29	26.5	100.0	0	29	
	pH	5.16	4.51	7.18	577.4	99.9	0	28	
I	K+	0.41	0.00	3.68	34.3	100.0	1	29	
	Precip	-	0.0	10.5	82.7	100.0	63	92	
	Na+	0.69	0.24	3.08	56.8	100.0	0	29	
	SO4-- corr	0.77	0.21	2.26	64.1	100.0	0	29	
	SO4--	0.81	0.25	2.33	67.3	100.0	0	29	

RU0013R PINEGA RUSSIAN FEDERATION

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.42	0.00	6.05	40.1	100.0	3	29	
Q	Ca++	0.28	0.06	2.40	26.7	100.0	0	29	
	Cl-	0.62	0.17	3.84	58.6	100.0	0	29	
	Mg++	0.129	0.025	0.870	12.3	100.0	0	29	
	NO3-	0.19	0.01	1.19	17.6	100.0	1	29	
	pH	5.44	4.53	7.32	342.4	100.0	0	29	
I	K+	0.42	0.15	1.97	39.8	100.0	0	29	
	Precip	-	0.0	10.7	95.2	100.0	63	92	
	Na+	0.33	0.10	1.52	31.7	100.0	0	29	
	SO4-- corr	0.57	0.29	2.72	54.4	100.0	0	29	
	SO4--	0.60	0.30	2.80	57.0	100.0	0	29	

RU0013R PINEGA RUSSIAN FEDERATION

September 1997 - November 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.43	0.00	3.40	57.8	100.0	2	38	
Q	Ca++	0.33	0.01	1.65	44.4	99.8	1	37	
	Cl-	0.77	0.19	7.37	102.7	100.0	0	38	
	Mg++	0.118	0.008	0.448	15.7	100.0	0	38	
	NO3-	0.13	0.00	0.50	17.8	100.0	2	38	
	pH	5.86	4.58	7.53	183.3	100.0	0	38	
I	K+	0.29	0.00	1.43	38.9	100.0	3	38	
	Precip	-	0.0	30.1	133.3	100.0	53	91	
	Na+	0.32	0.10	4.35	43.1	100.0	0	38	
	SO4-- corr	0.32	0.04	2.81	43.3	100.0	0	38	
	SO4--	0.35	0.07	2.89	46.8	100.0	0	38	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

December 1996 - February 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.30	0.00	2.20	49.1	100.0	3	40	
Q	Ca++	0.82	0.00	10.68	133.3	100.0	0	40	
	Cl-	6.28	0.40	76.40	1020.4	100.0	0	40	
	Mg++	0.474	0.047	3.476	77.0	100.0	0	40	
	NO3-	0.50	0.00	2.92	80.4	100.0	0	40	
	pH	4.99	4.50	6.92	1677.1	100.0	0	40	
I	K+	0.48	0.03	1.98	78.6	100.0	0	40	
	Precip	-	0.0	17.3	162.6	100.0	50	90	
	Na+	3.74	0.19	41.40	609.0	100.0	0	40	
	SO4-- corr	0.92	0.14	6.70	149.2	100.0	0	40	
	SO4--	1.21	0.17	7.32	196.5	100.0	0	40	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

March 1997 - May 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.30	0.00	1.75	32.4	100.0	4	23	
Q	Ca++	0.91	0.12	2.55	98.5	100.0	0	23	
	Cl-	3.16	0.49	42.03	343.4	100.0	0	23	
	Mg++	0.238	0.012	1.249	25.8	100.0	0	23	
	NO3-	0.38	0.02	1.57	41.2	100.0	0	23	
	pH	5.08	4.35	6.28	907.9	100.0	0	23	
I	K+	0.34	0.00	1.86	37.0	100.0	1	23	
	Precip	-	0.0	21.5	108.5	100.0	69	92	
	Na+	1.94	0.29	25.85	210.9	100.0	0	23	
	SO4-- corr	1.00	0.13	3.22	108.6	100.0	0	23	
	SO4--	1.12	0.14	4.09	121.5	100.0	0	23	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	1.33	0.00	12.47	162.1	100.0	3	16	
Q	Ca++	0.79	0.15	2.20	95.8	100.0	0	16	
	Cl-	4.05	0.33	9.74	494.6	100.0	0	16	
	Mg++	0.319	0.066	0.586	39.0	100.0	0	16	
	NO3-	0.18	0.00	0.73	22.3	100.0	3	16	
	pH	5.37	4.47	7.42	516.7	100.0	0	16	
I	K+	0.62	0.07	2.40	75.9	100.0	0	16	
	Precip	-	0.0	39.4	122.1	100.0	76	92	
	Na+	1.81	0.25	4.03	220.8	100.0	0	16	
	SO4-- corr	0.65	0.22	2.68	79.6	100.0	0	16	
	SO4--	0.80	0.29	2.72	97.9	100.0	0	16	

RU0016R SHEPELJOVO RUSSIAN FEDERATION

September 1997 - November 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.17	0.00	1.61	36.0	100.0	16	35	
Q	Ca++	0.99	0.10	8.51	206.6	100.0	0	35	
	Cl-	4.30	0.30	50.07	895.7	100.0	0	35	
	Mg++	0.271	0.025	2.087	56.4	100.0	0	35	
	NO3-	0.18	0.00	4.19	37.1	100.0	12	35	
	pH	5.16	4.34	7.21	1454.8	100.0	0	35	
I	K+	0.33	0.00	1.47	69.6	100.0	2	35	
	Precip	-	0.0	18.4	208.4	100.0	56	91	
	Na+	2.06	0.19	20.92	429.4	100.0	0	35	
	SO4-- corr	0.52	0.10	2.94	108.9	100.0	0	35	
	SO4--	0.68	0.20	3.46	141.7	100.0	0	35	

SE0002F RORVIK SWEDEN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.62	0.03	2.50	79.3	99.5	0	32	
Ca++	0.27	0.09	2.45	34.5	99.5	0	32	
Cl-	4.63	0.30	54.12	586.7	99.7	0	33	
Mg++	0.355	0.050	4.450	45.0	99.5	0	32	
NO3-	0.75	0.18	2.77	95.1	99.7	0	33	
pH	4.49	3.84	5.85	4123.3	100.0	0	36	
K+	0.15	0.02	1.21	18.5	99.5	0	32	
Precip	-	0.0	12.2	126.8	75.6	31	68	
Na+	2.90	0.12	35.95	367.1	99.5	0	32	
SO4-- corr	0.76	0.05	3.05	95.9	99.7	0	33	
SO4--	0.98	0.09	4.83	124.8	99.7	0	33	

SE0002F RORVIK SWEDEN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.73	0.09	3.65	75.5	99.9	0	20	
Ca++	0.20	0.08	1.01	21.1	99.9	0	20	
Cl-	2.49	0.12	22.10	256.3	99.9	0	20	
Mg++	0.191	0.030	1.580	19.7	99.9	0	20	
NO3-	0.70	0.22	3.36	71.9	99.9	0	20	
pH	4.52	3.86	5.53	3131.0	99.9	0	20	
K+	0.12	0.04	0.56	12.6	99.9	0	20	
Precip	-	0.0	15.4	103.1	100.0	70	92	
Na+	1.48	0.01	14.50	152.9	99.9	0	20	
SO4-- corr	0.66	0.17	3.46	68.2	99.9	0	20	
SO4--	0.78	0.17	3.73	80.7	99.9	0	20	

SE0002F RORVIK SWEDEN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.50	0.04	2.90	76.8	100.0	0	28	
Ca++	0.23	0.04	1.75	35.7	100.0	0	28	
Cl-	0.59	0.17	3.53	91.8	100.0	0	28	
Mg++	0.068	0.030	0.400	10.5	100.0	0	28	
NO3-	0.43	0.07	2.54	66.6	100.0	0	28	
pH	4.55	3.78	6.06	4320.2	100.0	0	28	
K+	0.11	0.02	0.63	17.4	100.0	0	28	
Precip	-	0.0	27.1	154.8	100.0	63	92	
Na+	0.32	0.08	2.25	49.9	100.0	0	28	
SO4-- corr	0.60	0.12	4.72	92.9	100.0	0	28	
SO4--	0.63	0.13	4.73	97.1	100.0	0	28	

SE0002F RORVIK SWEDEN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.60	0.00	2.68	86.4	99.8	1	36	
Ca++	0.32	0.05	1.77	46.6	99.8	0	36	
Cl-	4.96	0.22	51.31	715.4	99.8	0	36	
Mg++	0.387	0.050	3.680	55.9	99.8	0	36	
NO3-	0.64	0.00	2.38	92.7	99.8	1	36	
pH	4.50	4.07	6.53	4591.0	99.9	0	39	
K+	0.29	0.03	3.40	41.8	99.8	0	36	
Precip	-	0.0	23.3	144.3	100.0	51	91	
Na+	2.80	0.11	28.28	404.1	99.6	0	35	
SO4-- corr	0.65	0.07	1.95	93.5	99.8	0	36	
SO4--	0.88	0.08	2.65	127.4	99.8	0	36	

SE0005F BREDKALEN SWEDEN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.05	0.01	0.13	3.4	99.7	0	11	W
Ca++	0.09	0.01	0.38	6.5	99.7	0	11	W
Cl-	0.53	0.00	6.05	36.7	99.7	1	11	W
Mg++	0.044	0.010	0.350	3.1	99.7	0	11	W
NO3-	0.16	0.03	0.45	11.0	99.7	0	11	W
pH	5.26	4.66	6.20	384.5	100.0	0	13	W
K+	0.08	0.01	0.36	5.8	99.7	0	11	W
Precip	-	0.0	26.0	69.6	67.8	3	16	W
Na+	0.29	0.01	3.49	20.3	99.7	0	11	W
SO4-- corr	0.11	0.00	0.44	7.8	99.7	0	11	W
SO4--	0.13	0.00	0.45	9.2	99.7	2	11	W

SE0005F BREDKALEN SWEDEN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.06	0.01	0.31	5.1	100.0	0	14	W
Ca++	0.10	0.04	0.62	8.6	100.0	0	14	W
Cl-	0.37	0.03	11.01	32.4	100.0	0	14	W
Mg++	0.041	0.020	0.650	3.6	100.0	0	14	W
NO3-	0.11	0.03	0.39	9.5	100.0	0	14	W
pH	5.02	4.60	6.15	854.3	100.0	0	14	W
K+	0.05	0.02	0.35	4.9	100.0	0	14	W
Precip	-	0.0	22.8	88.6	100.0	2	16	W
Na+	0.22	0.02	7.41	19.3	100.0	0	14	W
SO4-- corr	0.20	0.03	0.71	17.8	100.0	0	14	W
SO4--	0.22	0.04	0.73	19.2	100.0	0	14	W

SE0005F BREDKALEN SWEDEN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.09	0.01	0.43	18.3	100.0	0	11	W
Ca++	0.05	0.00	0.23	10.4	100.0	1	11	W
Cl-	0.02	0.00	0.17	3.5	100.0	2	11	W
Mg++	0.021	0.010	0.050	4.2	100.0	0	11	W
NO3-	0.08	0.02	0.27	15.5	100.0	0	11	W
pH	5.01	4.60	5.95	2033.9	100.0	0	12	W
K+	0.05	0.02	0.15	9.8	100.0	0	11	W
Precip	-	0.0	64.2	205.9	100.0	4	16	W
Na+	0.04	0.01	0.09	8.3	100.0	0	11	W
SO4-- corr	0.15	0.04	0.44	31.7	100.0	0	11	W
SO4--	0.16	0.04	0.44	33.2	100.0	0	11	W

SE0005F BREDKALEN SWEDEN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.05	0.02	0.35	5.2	99.8	0	12	W
Ca++	0.09	0.05	0.32	8.9	99.8	0	12	W
Cl-	0.10	0.00	1.92	9.4	99.8	2	12	W
Mg++	0.030	0.020	0.110	2.8	99.8	0	12	W
NO3-	0.13	0.07	0.22	11.9	99.8	0	12	W
pH	4.95	4.80	6.32	1046.2	100.0	0	14	W
K+	0.04	0.01	0.23	3.9	99.8	0	12	W
Precip	-	0.0	30.9	93.3	100.0	1	15	W
Na+	0.07	0.01	0.92	6.4	99.8	0	12	W
SO4-- corr	0.14	0.03	0.34	13.0	99.8	0	12	W
SO4--	0.15	0.04	0.34	14.0	99.8	0	12	W

SE0011F VAVIHILL SWEDEN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.97	0.38	3.99	85.5	100.0	0	10	W
Ca++	0.19	0.11	1.12	16.9	100.0	0	10	W
Cl-	2.01	0.59	5.05	176.3	100.0	0	10	W
Mg++	0.170	0.060	0.470	14.9	100.0	0	10	W
NO3-	0.96	0.56	3.50	84.5	100.0	0	10	W
pH	4.60	3.95	5.39	2192.3	100.0	0	10	W
K+	0.16	0.06	0.33	14.0	100.0	0	10	W
Precip	-	0.0	28.1	87.8	67.8	6	16	W
Na+	1.18	0.24	3.54	103.3	100.0	0	10	W
SO4-- corr	0.94	0.44	3.95	82.8	100.0	0	10	W
SO4--	1.04	0.49	4.16	91.4	100.0	0	10	W

SE0011F VAVIHILL SWEDEN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.09	0.35	3.49	186.5	100.0	0	14	W
Ca++	0.20	0.09	1.93	34.0	100.0	0	14	W
Cl-	1.10	0.18	31.94	188.3	100.0	0	14	W
Mg++	0.102	0.040	1.770	17.4	100.0	0	14	W
NO3-	0.80	0.28	1.87	137.1	100.0	0	14	W
pH	4.57	4.10	6.71	4599.8	100.0	0	14	W
K+	0.10	0.05	0.78	17.5	100.0	0	14	W
Precip	-	0.0	55.7	170.8	100.0	2	16	W
Na+	0.59	0.06	19.73	101.2	100.0	0	14	W
SO4-- corr	0.80	0.40	2.25	137.3	100.0	0	14	W
SO4--	0.85	0.44	2.85	145.2	100.0	0	14	W

SE0011F VAVIHILL SWEDEN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.61	0.17	4.83	103.8	99.9	0	11	W
Ca++	0.26	0.03	2.93	44.2	100.0	0	12	W
Cl-	0.47	0.11	1.72	80.7	100.0	0	12	W
Mg++	0.060	0.020	0.220	10.2	100.0	0	12	W
NO3-	0.45	0.19	2.54	77.1	100.0	0	12	W
pH	4.67	4.07	5.64	3624.2	100.0	0	12	W
K+	0.11	0.04	0.40	18.9	100.0	0	12	W
Precip	-	0.0	48.0	170.8	100.0	4	16	W
Na+	0.25	0.06	0.99	42.4	100.0	0	12	W
SO4-- corr	0.67	0.27	2.76	114.1	100.0	0	12	W
SO4--	0.69	0.29	2.77	117.7	100.0	0	12	W

SE0011F VAVIHILL SWEDEN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.26	1.74	112.4	100.0	0	13	W
Ca++	0.26	0.11	0.99	61.7	100.0	0	13	W
Cl-	4.45	0.29	15.51	1063.6	100.0	0	13	W
Mg++	0.314	0.040	0.900	75.1	100.0	0	13	W
NO3-	0.43	0.22	1.68	101.7	100.0	0	13	W
pH	4.74	4.01	5.94	4311.3	100.0	0	13	W
K+	0.23	0.06	0.67	54.4	100.0	0	13	W
Precip	-	0.0	80.5	239.3	100.0	2	15	W
Na+	2.50	0.10	8.09	598.4	100.0	0	13	W
SO4-- corr	0.43	0.25	1.50	102.2	100.0	0	13	W
SO4--	0.64	0.30	1.52	152.1	100.0	0	13	W

SE0012F ASPVRETEN SWEDEN

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.27	0.01	0.73	13.9	99.9	0	11	W
Ca++	0.17	0.05	0.85	8.4	99.9	0	11	W
Cl-	0.80	0.09	2.24	40.5	99.9	0	11	W
Mg++	0.090	0.010	0.200	4.6	99.9	0	11	W
NO3-	0.54	0.12	1.59	27.3	99.9	0	11	W
pH	4.91	4.32	5.41	621.2	99.9	0	11	W
K+	0.08	0.01	0.31	4.1	99.9	0	11	W
Precip	-	0.0	18.8	50.9	74.4	4	16	W
Na+	0.44	0.03	1.59	22.5	99.9	0	11	W
SO4-- corr	0.50	0.01	1.75	25.4	99.9	0	11	W
SO4--	0.54	0.02	1.81	27.2	99.9	0	11	W

SE0012F ASPVRETEN SWEDEN

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.37	0.01	0.82	43.2	100.0	0	12	W
Ca++	0.22	0.11	1.75	26.0	100.0	0	12	W
Cl-	0.59	0.07	4.95	69.8	100.0	0	12	W
Mg++	0.063	0.030	0.380	7.4	100.0	0	12	W
NO3-	0.34	0.18	1.33	40.3	100.0	0	12	W
pH	4.62	4.22	6.28	2856.8	100.0	0	12	W
K+	0.10	0.04	0.31	11.5	100.0	0	12	W
Precip	-	0.0	56.6	118.1	100.0	2	15	W
Na+	0.30	0.01	3.21	35.4	100.0	0	12	W
SO4-- corr	0.56	0.21	1.81	66.4	100.0	0	12	W
SO4--	0.59	0.22	1.86	69.4	100.0	0	12	W

SE0012F ASPVRETEN SWEDEN

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.20	0.03	2.28	18.2	100.0	0	9	W
Ca++	0.21	0.05	0.79	18.6	100.0	0	9	W
Cl-	0.14	0.04	0.45	12.8	100.0	0	9	W
Mg++	0.040	0.010	0.100	3.6	100.0	0	9	W
NO3-	0.21	0.06	2.22	18.7	100.0	0	9	W
pH	4.84	3.97	5.13	1286.2	100.0	0	9	W
K+	0.05	0.03	0.30	4.9	100.0	0	9	W
Precip	-	0.0	35.9	89.7	100.0	7	16	W
Na+	0.07	0.06	0.16	6.5	100.0	0	9	W
SO4-- corr	0.34	0.05	2.20	30.9	100.0	0	9	W
SO4--	0.35	0.06	2.21	31.5	100.0	0	9	W

SE0012F ASPVRETEN SWEDEN

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.42	0.04	0.76	64.9	100.0	0	14	W
Ca++	0.25	0.07	1.13	38.3	100.0	0	14	W
Cl-	0.81	0.12	2.95	124.5	100.0	0	14	W
Mg++	0.069	0.030	0.160	10.7	100.0	0	14	W
NO3-	0.49	0.11	1.07	74.9	100.0	0	14	W
pH	4.47	4.06	5.76	5181.7	100.0	0	14	W
K+	0.09	0.05	0.22	13.3	100.0	0	14	W
Precip	-	0.0	31.0	154.4	100.0	1	15	W
Na+	0.29	0.07	0.95	45.3	100.0	0	14	W
SO4-- corr	0.56	0.08	1.02	86.4	100.0	0	14	W
SO4--	0.59	0.12	1.03	90.7	100.0	0	14	W

SK0002R CHOPOK SLOVAKIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.40	0.01	1.42	36.1	78.1	0	22	W
Ca++	0.52	0.10	2.04	47.2	78.1	0	22	W
Cl-	0.63	0.04	3.27	56.8	78.1	0	22	W
Mg++	0.056	0.008	0.156	5.1	78.1	0	22	W
NO3-	0.44	0.06	1.25	39.6	78.1	0	22	W
Q pH	4.32	3.75	5.39	4309.3	78.1	0	22	W
K+	0.21	0.03	0.88	18.8	78.1	0	22	W
Precip	-	0.0	7.8	90.1	98.9	54	89	W
Na+	0.47	0.04	1.40	41.9	78.1	0	22	W
SO4-- corr	0.81	0.10	2.15	73.5	78.1	0	22	W
SO4--	0.85	0.10	2.17	76.3	78.1	0	22	W

SK0002R CHOPOK SLOVAKIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	1.12	0.15	2.78	236.4	83.5	0	42	
Ca++	0.71	0.17	4.47	149.0	83.5	0	42	
Cl-	0.63	0.09	1.95	133.6	86.9	0	43	
Mg++	0.108	0.016	0.534	22.7	83.5	0	42	
NO3-	0.74	0.12	2.33	156.4	86.9	0	43	
Q pH	4.28	3.87	6.62	11099.4	86.9	0	43	
K+	0.33	0.08	1.00	68.9	83.5	0	42	
Precip	-	0.2	22.4	210.5	100.0	29	92	
Na+	0.33	0.10	1.13	69.5	83.5	0	42	
SO4-- corr	1.46	0.16	5.78	306.5	86.9	0	43	
SO4--	1.48	0.19	5.87	312.5	86.9	0	43	

SK0002R CHOPOK SLOVAKIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.40	0.00	2.57	174.9	96.2	1	38	
Ca++	0.31	0.06	2.17	133.2	96.2	0	38	
Cl-	0.27	0.08	1.45	117.5	96.2	0	38	
Mg++	0.045	0.006	0.420	19.8	96.2	0	38	
NO3-	0.22	0.04	1.77	96.6	96.2	0	38	
Q pH	4.63	3.78	6.21	10329.2	96.2	0	38	
K+	0.20	0.06	1.28	88.6	96.2	0	38	
Precip	-	0.1	76.8	436.7	100.0	39	92	
Na+	0.16	0.03	1.59	71.8	96.2	0	38	
SO4-- corr	0.74	0.19	3.67	324.5	96.2	0	38	
SO4--	0.75	0.20	3.80	329.8	96.2	0	38	

SK0002R CHOPOK SLOVAKIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.56	0.08	2.25	131.8	89.9	0	32	
Ca++	0.33	0.13	1.77	78.5	89.9	0	32	
Cl-	0.46	0.10	2.50	109.2	90.9	0	33	
Mg++	0.051	0.010	0.351	12.0	89.9	0	32	
NO3-	0.35	0.05	1.64	84.0	90.9	0	33	
Q pH	4.38	3.75	4.84	9770.7	90.9	0	33	
K+	0.21	0.02	2.17	50.6	89.9	0	32	
Precip	-	0.1	22.0	236.3	100.0	43	91	
Na+	0.29	0.09	1.68	67.7	89.9	0	32	
SO4-- corr	0.98	0.29	3.70	230.4	90.9	0	33	
SO4--	1.00	0.30	3.72	235.6	90.9	0	33	

SK0004R STARA LESNA SLOVAKIA

December 1996 - February 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.30	0.01	1.57	14.5	86.7	0	12	
	Ca++	0.29	0.07	2.16	14.0	86.7	0	12	
	Cl-	0.40	0.10	1.70	19.8	86.7	0	12	
	Mg++	0.055	0.011	0.303	2.7	86.7	0	12	
	NO3-	0.44	0.11	1.66	21.6	86.7	0	12	
Q	pH	4.41	3.96	5.42	1927.9	86.7	0	12	
	K+	0.14	0.06	0.77	6.7	86.7	0	12	
	Precip	-	0.0	8.8	49.0	100.0	71	90	
	Na+	0.24	0.06	1.33	11.7	86.7	0	12	
	SO4-- corr	0.75	0.24	2.52	36.9	86.7	0	12	
	SO4--	0.77	0.26	2.57	37.9	86.7	0	12	

SK0004R STARA LESNA SLOVAKIA

March 1997 - May 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.74	0.30	1.77	99.7	79.7	0	24	
	Ca++	0.71	0.31	2.76	96.5	79.7	0	24	
	Cl-	0.51	0.14	1.60	69.4	81.7	0	25	
	Mg++	0.121	0.043	0.590	16.4	79.7	0	24	
	NO3-	0.57	0.27	2.05	76.9	81.7	0	25	
Q	pH	4.32	3.88	5.84	6536.1	81.7	0	25	
	K+	0.35	0.10	1.55	47.1	79.7	0	24	
	Precip	-	0.1	12.1	135.6	100.0	53	92	
	Na+	0.32	0.09	1.37	43.6	79.7	0	24	
	SO4-- corr	1.29	0.38	2.61	174.8	81.7	0	25	
	SO4--	1.32	0.44	2.64	178.4	81.7	0	25	

SK0004R STARA LESNA SLOVAKIA

June 1997 - August 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.54	0.02	2.48	205.5	92.2	0	29	
	Ca++	0.36	0.04	1.63	137.5	92.2	0	29	
	Cl-	0.57	0.07	1.70	214.5	92.2	0	29	
	Mg++	0.141	0.007	0.644	53.3	92.2	0	29	
	NO3-	0.26	0.08	1.81	99.5	92.2	0	29	
Q	pH	4.62	4.06	6.40	9137.3	92.2	0	29	
	K+	0.23	0.05	1.38	86.4	92.2	0	29	
	Precip	-	0.1	68.4	378.9	100.0	45	92	
	Na+	0.17	0.02	0.50	66.3	92.2	0	29	
	SO4-- corr	0.80	0.14	3.26	302.8	92.2	0	29	
	SO4--	0.81	0.14	3.27	308.3	92.2	0	29	

SK0004R STARA LESNA SLOVAKIA

September 1997 - November 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.59	0.01	1.50	94.4	89.9	0	23	
	Ca++	0.42	0.17	1.72	67.7	89.9	0	23	
	Cl-	0.37	0.06	1.59	60.2	89.9	0	23	
	Mg++	0.068	0.016	0.289	10.9	89.9	0	23	
	NO3-	0.33	0.07	0.95	53.3	89.9	0	23	
Q	pH	4.43	3.96	5.51	5981.5	89.9	0	23	
	K+	0.23	0.06	1.00	36.3	89.9	0	23	
	Precip	-	0.1	30.2	160.8	100.0	49	91	
	Na+	0.24	0.06	1.08	39.0	89.9	0	23	
	SO4-- corr	1.04	0.22	2.50	168.1	89.9	0	23	
	SO4--	1.07	0.23	2.54	171.3	89.9	0	23	

SK0005R LIESEK SLOVAKIA

December 1996 - February 1997

	Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
	NH4+	0.46	0.03	1.56	32.2	86.5	0	14	
	Ca++	0.60	0.20	2.35	42.2	86.5	0	14	
	Cl-	0.56	0.16	2.05	39.8	86.5	0	14	
	Mg++	0.099	0.038	0.441	7.0	86.5	0	14	
	NO3-	0.38	0.19	0.98	26.8	86.5	0	14	
Q	pH	4.54	3.82	5.39	2060.3	86.5	0	14	
	K+	0.24	0.08	0.90	17.0	86.5	0	14	
	Precip	-	0.0	12.1	70.9	98.9	56	89	
	Na+	0.38	0.12	1.01	26.9	86.5	0	14	
	SO4-- corr	0.77	0.41	2.34	54.7	86.5	0	14	
	SO4--	0.80	0.43	2.42	56.8	86.5	0	14	

SK0005R LIESEK SLOVAKIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.72	0.26	2.14	133.6	87.6	0	24	
Ca++	0.66	0.21	1.78	122.9	87.6	0	24	
Cl-	0.57	0.14	2.00	105.9	86.7	0	23	
Mg++	0.090	0.034	0.214	16.7	87.6	0	24	
NO3-	0.55	0.18	2.42	102.7	86.7	0	23	
Q pH	4.45	3.96	6.10	6580.7	87.6	0	24	
K+	0.36	0.10	0.93	66.4	87.6	0	24	
Precip	-	0.1	35.1	185.8	100.0	41	92	
Na+	0.43	0.10	1.44	79.1	87.6	0	24	
SO4-- corr	1.12	0.51	3.00	207.5	86.7	0	23	
SO4--	1.15	0.53	3.07	213.9	86.7	0	23	

SK0005R LIESEK SLOVAKIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.32	0.04	1.42	145.4	91.3	0	30	
Ca++	0.23	0.06	0.77	101.7	91.3	0	30	
Cl-	0.32	0.06	1.23	143.0	91.3	0	30	
Mg++	0.049	0.006	0.508	22.2	91.3	0	30	
NO3-	0.23	0.10	0.66	103.6	91.3	0	30	
Q pH	4.51	3.92	4.99	13825.4	91.3	0	30	
K+	0.12	0.02	0.44	54.2	91.3	0	30	
Precip	-	0.1	46.9	450.2	98.9	40	91	
Na+	0.24	0.03	1.60	109.8	91.3	0	30	
SO4-- corr	0.69	0.22	2.68	312.9	91.3	0	30	
SO4--	0.71	0.23	2.81	318.6	91.3	0	30	

SK0005R LIESEK SLOVAKIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.48	0.06	1.90	83.2	90.6	0	25	
Ca++	0.48	0.19	1.94	82.5	90.6	0	25	
Cl-	0.46	0.08	1.34	79.3	90.6	0	25	
Mg++	0.058	0.014	0.176	10.1	90.6	0	25	
NO3-	0.40	0.06	1.74	69.1	90.6	0	25	
Q pH	4.52	3.94	6.02	5244.5	90.6	0	25	
K+	0.14	0.05	0.61	24.2	90.6	0	25	
Precip	-	0.1	15.8	173.1	100.0	38	91	
Na+	0.34	0.06	1.22	58.3	90.6	0	25	
SO4-- corr	0.85	0.15	3.49	147.9	90.6	0	25	
SO4--	0.88	0.16	3.57	152.2	90.6	0	25	

SK0006R STARINA SLOVAKIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.70	0.08	1.67	91.3	59.5	0	16	
Ca++	0.36	0.06	1.27	47.4	59.5	0	16	
Cl-	0.47	0.06	1.79	61.0	71.6	0	17	
Mg++	0.058	0.010	0.201	7.5	59.5	0	16	
NO3-	0.61	0.07	2.46	80.2	71.6	0	17	
Q pH	4.27	3.72	5.40	7035.3	71.6	0	17	
K+	0.20	0.05	0.45	26.4	51.8	0	15	
Precip	-	0.0	15.8	130.6	98.9	52	89	
Na+	0.39	0.06	1.03	51.2	59.5	0	16	
SO4-- corr	1.03	0.34	2.42	135.1	63.9	0	16	
SO4--	1.06	0.36	2.47	139.0	63.9	0	17	

SK0006R STARINA SLOVAKIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.70	0.17	2.29	93.5	67.5	0	21	
Ca++	0.56	0.20	1.76	75.5	67.5	0	21	
Cl-	0.61	0.27	1.55	80.8	67.5	0	21	
Mg++	0.067	0.024	0.221	9.0	67.5	0	21	
NO3-	0.60	0.23	2.54	79.5	67.5	0	21	
Q pH	4.28	3.69	5.82	7036.8	67.5	0	21	
K+	0.26	0.10	0.75	35.1	67.5	0	21	
Precip	-	0.1	17.2	133.6	100.0	44	92	
Na+	0.30	0.13	0.70	40.2	67.5	0	21	
SO4-- corr	1.25	0.46	3.63	167.5	67.5	0	21	
SO4--	1.28	0.49	3.69	170.8	67.5	0	21	

SK0006R STARINA SLOVAKIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.45	0.02	1.16	129.8	81.1	0	18	
Ca++	1.45	0.13	5.70	416.5	81.1	0	18	
Cl-	0.76	0.17	1.98	217.9	81.1	0	18	
Mg++	0.096	0.018	0.445	27.5	81.1	0	18	
NO3-	0.26	0.12	0.82	75.4	81.1	0	18	
Q pH	4.71	4.17	7.00	5639.8	81.1	0	18	
K+	0.19	0.01	0.63	55.6	81.1	0	18	
Precip	-	0.1	44.1	287.0	100.0	53	92	
Na+	0.47	0.09	1.27	133.4	81.1	0	18	
SO4-- corr	0.70	0.25	2.24	199.8	81.1	0	18	
SO4--	0.73	0.26	2.31	209.9	81.1	0	18	

SK0006R STARINA SLOVAKIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.46	0.03	1.29	78.9	85.9	0	21	
Ca++	0.43	0.12	1.80	74.8	85.9	0	21	
Cl-	0.47	0.08	1.48	81.4	85.9	0	21	
Mg++	0.059	0.012	0.187	10.3	85.9	0	21	
NO3-	0.36	0.15	1.74	62.8	85.9	0	21	
Q pH	4.39	3.98	5.61	7091.8	85.9	0	21	
K+	0.19	0.03	0.69	33.8	85.9	0	21	
Precip	-	0.1	20.0	173.4	100.0	45	91	
Na+	0.26	0.04	0.78	45.2	85.9	0	21	
SO4-- corr	0.99	0.57	1.83	171.1	85.9	0	21	
SO4--	1.01	0.57	1.88	174.8	85.9	0	21	

TR0001R CUBUK II TYRKEY

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.99	0.02	3.59	31.7	100.0	0	16	
Ca++	1.58	0.48	3.77	50.8	100.0	0	17	
Cl-	1.15	0.45	3.87	37.1	100.0	0	17	
Mg++	0.156	0.054	0.670	5.0	100.0	0	17	
NO3-	0.41	0.15	3.73	13.2	100.0	0	17	
pH	5.18	4.02	6.99	213.7	100.0	0	16	
K+	0.88	0.12	5.96	28.4	100.0	0	17	
Precip	-	0.0	7.0	32.2	78.9	55	71	
Na+	0.88	0.11	5.19	28.4	100.0	0	17	
SO4-- corr	0.82	0.46	2.16	26.3	100.0	0	17	
SO4--	0.87	0.52	2.24	27.9	100.0	0	17	

TR0001R CUBUK II TYRKEY

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.83	0.18	4.56	157.4	87.8	0	26	
Ca++	1.73	0.53	4.48	326.9	99.6	0	27	
Cl-	1.03	0.09	5.53	195.6	99.1	0	26	
Mg++	0.176	0.080	0.580	33.4	99.6	0	27	
NO3-	0.61	0.08	3.02	114.9	99.1	0	26	
pH	5.42	4.61	7.52	722.6	100.0	0	28	
K+	0.23	0.10	0.68	44.2	99.6	0	27	
Precip	-	0.0	22.5	189.2	100.0	64	92	
Na+	0.32	0.09	1.64	61.2	95.4	0	26	
SO4-- corr	1.40	0.18	6.10	264.9	99.1	0	26	
SO4--	1.45	0.32	6.28	273.6	99.1	0	26	

TR0001R CUBUK II TYRKEY

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.53	0.26	3.87	29.1	100.0	0	6	
Ca++	0.97	0.68	2.04	53.2	98.7	0	5	
Cl-	0.28	0.17	0.93	15.6	100.0	0	6	
Mg++	0.152	0.010	0.800	8.4	98.7	0	5	
NO3-	0.33	0.14	2.04	18.0	100.0	0	6	
pH	5.80	5.64	6.87	87.0	100.0	0	6	
K+	0.36	0.25	0.86	19.7	98.7	0	5	
Precip	-	0.0	22.3	55.0	100.0	86	92	
Na+	0.34	0.07	5.76	18.4	90.1	0	4	
SO4-- corr	0.56	0.27	2.44	30.9	100.0	0	6	
SO4--	0.59	0.28	2.54	32.2	100.0	0	6	

TR0001R CUBUK II TYRKEY

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
NH4+	0.47	0.12	3.60	46.4	99.6	0	10	
Ca++	1.49	0.76	2.87	145.7	99.6	0	10	
Cl-	0.45	0.00	4.08	44.1	99.6	1	11	
Mg++	0.159	0.020	0.790	15.5	99.6	0	10	
NO3-	0.22	0.12	1.02	21.6	99.6	0	10	
pH	6.05	5.58	7.00	86.4	100.0	0	11	
K+	0.48	0.26	4.53	47.3	99.6	0	10	
Precip	-	0.0	22.4	97.6	100.0	80	91	
Na+	0.43	0.19	1.97	42.3	99.6	0	10	
SO4-- corr	0.49	0.06	1.86	47.8	99.6	0	10	
SO4--	0.51	0.08	1.91	50.2	99.6	0	10	

YU0005R KAMENICKI VIS YUGOSLAVIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	1.12	0.45	1.87	44.9	100.0	0	19	
Q Ca++	2.99	0.47	12.44	119.6	98.5	0	18	
I Cl-	1.66	0.45	4.76	66.4	96.2	0	16	
Mg++	0.496	0.130	1.440	19.8	98.5	0	18	
I NO3-	0.77	0.40	1.12	30.9	100.0	0	19	
pH	4.61	3.74	6.77	976.2	100.0	0	19	
K+	0.56	0.22	2.27	22.2	98.5	0	18	
Precip	-	0.0	6.9	40.0	65.6	40	59	
Q Na+	2.26	0.57	5.83	90.2	98.5	0	18	
SO4-- corr	2.83	0.60	8.07	113.2	98.5	0	18	
SO4--	3.02	0.79	8.35	120.8	100.0	0	19	

YU0005R KAMENICKI VIS YUGOSLAVIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.91	0.06	1.93	153.5	100.0	0	30	
Q Ca++	2.32	0.71	13.48	393.5	99.8	0	29	
I Cl-	1.30	0.28	4.10	220.2	99.6	0	28	
Mg++	0.195	0.030	1.960	33.1	99.8	0	29	
I NO3-	0.66	0.25	1.12	111.3	100.0	0	30	
pH	5.16	3.92	6.97	1185.2	100.0	0	30	
K+	0.31	0.02	1.40	51.8	99.8	0	29	
Precip	-	0.1	20.7	169.3	100.0	62	92	
Q Na+	1.63	0.22	5.65	275.4	99.8	0	29	
SO4-- corr	1.71	0.24	6.56	289.6	99.8	0	29	
SO4--	1.81	0.27	9.90	307.1	100.0	0	30	

YU0005R KAMENICKI VIS YUGOSLAVIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.79	0.30	2.33	175.8	99.7	0	31	
Q Ca++	2.19	1.38	6.44	489.1	32.7	0	9	
I Cl-	0.84	0.08	7.15	188.3	98.4	0	25	
Mg++	0.482	0.070	1.330	107.7	32.7	0	9	
I NO3-	0.51	0.02	1.06	113.2	99.8	0	31	
pH	5.59	4.51	7.78	578.1	99.8	0	32	
K+	0.78	0.21	4.12	174.5	32.7	0	9	
Precip	-	0.1	45.0	223.4	100.0	58	92	
Q Na+	1.83	0.67	8.48	409.0	32.7	0	9	
SO4-- corr	1.76	0.44	11.52	392.4	99.2	0	28	
SO4--	1.83	0.49	12.01	409.0	99.8	0	32	

YU0005R KAMENICKI VIS YUGOSLAVIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.80	0.19	1.76	135.1	99.9	0	19	
I Cl-	1.16	0.28	4.52	196.9	99.2	0	18	
I NO3-	0.69	0.47	1.12	116.1	99.9	0	19	
pH	5.41	4.78	7.81	655.2	99.9	0	19	
Precip	-	0.2	41.1	169.0	100.0	71	91	
SO4-- corr	2.39	0.46	6.62	404.1	99.2	0	18	
SO4--	2.48	0.49	7.42	419.2	99.9	0	19	

YU0008R ZABLJAK YUGOSLAVIA

December 1996 - February 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.38	0.09	1.58	43.9	100.0	0	13	
Q Ca++	0.89	0.21	8.84	101.4	100.0	0	13	
I Cl-	1.17	0.20	3.50	133.8	100.0	0	13	
Mg++	0.093	0.030	0.340	10.7	100.0	0	13	
I NO3-	0.28	0.14	0.97	31.7	100.0	0	13	
pH	5.92	5.53	6.54	138.3	100.0	0	13	
K+	0.20	0.03	0.77	23.4	100.0	0	13	
Precip	-	0.0	30.8	114.1	65.6	46	59	
Q Na+	1.24	0.17	3.60	141.2	100.0	0	13	
SO4-- corr	0.33	0.08	3.18	37.4	100.0	0	13	
SO4--	0.39	0.16	3.30	44.3	100.0	0	13	

YU0008R ZABLJAK YUGOSLAVIA

March 1997 - May 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.53	0.03	1.79	189.7	100.0	0	34	
Q Ca++	1.30	0.48	5.50	467.0	99.7	0	33	
I Cl-	0.69	0.20	2.53	246.3	97.9	0	30	
Mg++	0.119	0.040	0.780	42.9	99.7	0	33	
I NO3-	0.42	0.12	1.08	150.4	100.0	0	34	
pH	5.70	4.47	7.36	724.4	100.0	0	34	
K+	0.26	0.02	1.05	94.7	99.7	0	33	
Precip	-	0.9	59.1	359.3	100.0	58	92	
Q Na+	1.10	0.12	4.46	396.4	99.7	0	33	
SO4-- corr	0.78	-0.18	3.07	279.8	99.7	1	33	
SO4--	0.85	0.16	3.17	305.9	100.0	0	34	

YU0008R ZABLJAK YUGOSLAVIA

June 1997 - August 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.89	0.27	1.95	155.9	92.8	0	25	
Q Ca++	2.25	0.44	9.94	395.1	20.8	0	7	
I Cl-	0.97	0.08	8.05	170.7	92.0	0	24	
Mg++	0.210	0.050	1.080	36.7	20.8	0	7	
I NO3-	0.49	0.18	1.12	86.2	92.8	0	25	
pH	5.82	5.09	7.75	265.3	92.8	0	25	
K+	0.65	0.10	4.18	114.4	20.8	0	7	
Precip	-	0.1	24.4	175.3	100.0	58	92	
Q Na+	1.77	0.80	8.14	309.7	20.8	0	7	
SO4-- corr	1.63	0.02	10.76	285.7	92.8	0	25	
SO4--	1.69	0.16	11.05	295.6	92.8	0	25	

YU0008R ZABLJAK YUGOSLAVIA

September 1997 - November 1997

Component	W. mean	Min	Max	Dep	% anal	Num bel	Num samples	Samp flag
I NH4+	0.32	0.06	1.68	141.7	98.9	0	24	
I Cl-	0.80	0.08	3.50	354.2	96.0	0	19	
I NO3-	0.53	0.27	0.93	234.5	98.9	0	24	
pH	6.39	5.63	7.05	181.2	98.9	0	24	
Precip	-	0.3	57.4	443.2	100.0	58	91	
SO4-- corr	1.06	0.43	3.57	468.6	96.0	0	19	
SO4--	1.15	0.49	4.52	508.7	98.9	0	24	

Annex 6

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Annex 7

EMEP Data Quality Objectives (DQO)

10 % accuracy or better for oxidized sulphur and oxidized nitrogen in single analysis in the laboratory,

15 % accuracy or better for other components in the laboratory,

0.05 units for pH,

15–25 % uncertainty for the combined sampling and chemical analysis (components to be specified later),

90 % data completeness of the daily values.

The targets, with respect to accuracy in the laboratory, for the very lowest concentrations of the main components in precipitation follow the WMO GAW (1992) recommendations for regional stations:

	Accuracy	
SO_4^{2-}	0.032 mg S/l	(1 µmol/l)
NO_3^-	0.014 mg N/l	(1 µmol/l)
NH_4^+	0.028 mg N/l	(2 µmol/l)
Cl^-	0.107 mg Cl/l	(3 µmol/l)
Ca^{2+}	0.012 mg Ca/l	(0.3 µmol/l)
K^+	0.012 mg K/l	(0.3 µmol/l)
Mg^{2+}	0.007 mg Mg/l	(0.3 µmol/l)
Na^+	0.007 mg Na/l	(0.3 µmol/l)

The targets for the wet analysis of components extracted from air filters are the same as for precipitation. For SO_2 the limit above for sulphate is valid for the medium volume method with impregnated filter. For NO_2 determined as NO_2^- in solution the accuracy for the lowest concentrations is 0.01 mg N/l.

The aim for data completeness is valid for the current definition used by the CCC. This definition will, however, be harmonised with the WMO GAW definition and modified.

It is understood that there is a need to investigate additional uncertainty caused by local influence on the measurements at the sites (not representative siting).

It may be necessary to reconsider the DQO for volatile organic components (VOC), persistent organic pollutants (POP), and trace metals (HM).