LONG RANGE TRANSPORT OF AIR POLLUTANTS

A cooperative O E C D programme

FINAL REPORT OF LRTAP-DATA
JULY - DECEMBER 1972

CENTRAL COORDINATING UNIT
C/o Norwegian Institute for Air Research
P. B. 15 - 2007 Kjeller - Norway

LRTAP- 4/74

NORWEGIAN INSTITUTE FOR AIR RESEARCH
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NORWAY

Kjeller, 25th September 1974

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INTRODUCTION

Some comments relating to the precision and accuracy of the data have been given in "Summary of data from the first measurement phase" (1) which has been distributed separately.

In preparing this report, the original data and the correspondence on which the preliminary monthly summaries were based, have been examined. Further data which have since been made available, have been added together with corrections reported by the countries. The print-outs have been proof read and compared with the original data to eliminate punching errors.

GENERAL COMMENTS

Precipitation

For some of the stations precipitation samples have been collected over sampling periods of more than one day. In such cases the total amount of precipitation has been given under the first day of the period, while the amount of precipitation for the following days have been set to 0.0 mm. The reported concentrations are repeated for each day.

The amount of precipitation is reported as mm (1) if obtained from the sample collection apparatus or from a simple precipitation gauge set up in connection with the sampling station.

When the amount of precipitation is obtained from a precipitation gauge which is part of the official meteorological precipitation network, mm (2) is reported.

A few countries report both official precipitation data and precipitation from sample volume. In order to obtain a complete block of precipitation amounts, the mm (1) data have been completed with mm (2) data which have then been marked with an asterisk. The official precipitation data are also given in separate tables.

The way of reporting lack of precipitation is inconsistent. Several countries report 0.0 mm for a not measureable amount of precipitation, and indicate no precipitation by a dash. Others do not make this distinction, and use 0.0 both for not measureable and for no precipitation. In the final report both no precipitation and not measureable amount of precipitation have been indicated by a dash. For the other reported components a dash indicates data missing.

Sodium and magnesium in precipitation

The concentrations of these components are reported in order to correct sulphate in precipitation for seaspray.

Sulphate in precipitation

When corrections for seaspray based on Na^+-concentrations are made, it is indicated by an asterisk above the column. Two asterisks indicate corrections based on Mg^{2+}-concentrations. Assuming that the Na^+- and Mg^{2+}-concentrations detected are due to seaspray only, the corrections are made using the concentrations of Na^{+-}, Mg^{2+}- and SO_4^{2-} in seawater (2). Salinity differences are not considered.

pH and strong acid concentration in precipitation

The acid concentration is computed from the reported pH-values when the strong acid concentration has been determined. Usually pH-values higher than 5 - 5.5 are associated with negative concentration of strong acid. When the pH-values are equal to or higher than 5.0 this is indicated in the computed strong acid data by NEG (= negligible).

SO_2 in air

The sign "less than", <, has frequently been used in the report form. This particularly applies to the SO_2-data. Due to the data processing a fixed value has to be set. The number 0 has been chosen since "less than" usually appears with small numbers.

Particulate sulphate

Airborne particulate sulphate is determined as sulphur with a X-ray fluorescence spectrometer. Due to different distributions of sulphur with filter depth in samples and standards and X-ray absorption by filter material, a correction has to be applied. The true concentrations

are obtained by multiplication with experimentally determined factors usually between 0.7 and 0.8. Uncorrected values have been multiplied with 0.8 to estimate the true air concentrations. Several systematical errors revealed during the period have been corrected. Table 1 gives the stations which report particulate sulphate.

Precipitation sulphate and precipitated acid

The amounts listed are based upon the official precipitation amounts when available. The simple precipitation samplers will generally give low results, particularly for windexposed sites.

Days with no or not measureable amounts of precipitation are indicated with a dash.

Precipitated acid calculated from pH observations are marked with an asterisk before the figure.

STATION \ MONTH NO.	07	08	09	10	11	12
A 01	-	-	-	-	0	0
DK 1	-	-	-	1	1	1
DK 2	-	-	-	1	1	1
DK 3	-	-	-	1	1	1
DK 4	-	-	-	1	1	1
DK 5	-	-	-	1	1	1
DK 6	-	-	-	1	1	1
F 01	-	-	-	-	0	0
IC 1	0	0	0	0	0	0
N 01	-	-	-	-	1	1
N 03	-	-	-	-	1	1
N 09	-	-	-	-	1	1
N 21	-	-	-	-	1	1
N 22	-	-	-	-	1	1
N 23	-	-	-	-	1	1
NL 1	1	1	1	1	1	1
NL 2	1	1	1	1	1	1
NL 3	1	1	1	1	1	1
S 01	1	-	-	-	-	-
S 02	1	-	-	-	-	-
S 03	1	1	1	1	1	1
S 04	1	1	1	1	1	1
S 05	1	1	1	1	1	1
SF 1	-	-	-	1	1	1
SF 2	-	1	1	1	1	1
SF 3	-	-	-	1	1	1
SF 4	-	-	-	1	1	1
SF 5	-	1	1	1	1	1
UK 1	1	1	1	1	1	1

Table 1: Stations reporting airborne sulphate particles June - December 1972.

1 : Corrected values reported ("SO_4CORR").

0 : Uncorrected values reported ("SO_4XRF").

- : Data missing.

REFERENCES

(1)	Central Coordinating Unit	Appendix 1. Report from the CCU, July 1973 - March 1974.
(2)	Sverdrup, H.U., Johnson, M.W., Fleming, R.H.	The Oceans. Prentice-Hall Inc. (1942).

NORWEGIAN INSTITUTE FOR AIR RESEARCH

LRTAP GROUND SAMPLING STATIONS

MONTHLY SUMMARY OF RESULTS - JULY 1972

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS							
NR	CODE	NAME	FUNCTION	LAT.			LONG.				ALT.
1	D 01	WESTERLAND	PA	54	56	N	8	19	E		3
2	D 02	WALDHOF	PA	52	48	N	10	46	E		73
3	D 03	SCHAUINSLAND	PA	47	58	N	7	57	E		1200
4	IC 1	RJUPNAHÆD	PA	64	05	N	21	51	W		120
5	N 01	BIRKELAND	PA	58	23	N	8	15	E		190
6	N 03	FINSLAND	PA	58	19	N	7	35	E		275
7	N 05	GJERSTAD	P	58	53	N	8	57	E		240
8	N 06	LISTA	P	58	06	N	6	34	E		13
9	N 07	MANDAL	P	58	03	N	7	27	E		138
10	N 08	SKREADALEN	P	58	49	N	6	43	E		475
11	N 09	SØYLAND	PA	58	41	N	5	59	E		263
12	N 10	TOVDAL	P	58	48	N	8	14	E		227
13	N 14	SKEI I JØLSTER	P	61	34	N	6	29	E		205
14	N 15	TUSTERVATN	P	65	50	N	13	55	E		439
15	N 16	TÅGMYRA	P	61	25	N	12	04	E		536
16	N 17	KJELLER	P	59	59	N	11	03	E		120
17	N 18	LØKEN	P	59	48	N	11	27	E		150
18	N 19	BISLINGEN	P	60	14	N	10	37	E		680
19	N 20	GRIMELID	P	60	08	N	9	36	E		367
20	N 21	NOREFJELL	PA	60	13	N	9	31	E		810
21	N 22	VASSER	PA	59	04	N	10	26	E		35
22	N 23	LYNGØR	PA	58	38	N	9	08	E		20
23	NL 1	WAGENINGEN	A	51	58	N	5	38	E		7
24	NL 2	WITTEVEN	A	52	49	N	6	40	E		17
25	NL 3	DEN HELDER	A	52	55	N	4	47	E		0
26	S 01	EKERØD	PA	55	54	N	13	43	E		135
27	S 02	RAÖ	PA	57	23	N	11	55	E		5
28	S 03	SJÖÄNGEN	PA	58	46	N	14	13	E		125
29	S 04	RYDA KUNGSGARD	PA	59	46	N	17	05	E		30
30	S 05	BREDKÄLEN	PA	63	51	N	15	17	E		405
31	SF 1	JOMALA	P	60	11	N	19	59	E		15
32	SF 2	JOKIOINEN	P	60	49	N	23	30	E		104
33	SF 3	PUUMALA	P	61	34	N	28	04	E		120
34	SF 4	ÄHTÄRI	P	62	31	N	24	13	E		154
35	SF 5	SODANKYLÄ	P	67	22	N	26	39	E		178
36	UK 1	COTTERED	PA	51	58	N	0	06	W		

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21
1	-	10.2	1.8	61.1	12.1	8.8	1.3	19.7	13.9	-	-	8.5	-	-	20.1	28.6	13.2
2	1.9	2.7	7.9	4.4	31.8	17.4	2.7	8.1	2.9	3.3	-	13.4	-	9.2	37.5	6.4	9.1
3	-	-	-	-	0.4	-	-	-	0.4	2.2	19.5	-	-	-	-	-	0.3
4	8.1	3.7	3.6	-	4.5	7.3	3.6	2.0	0.9	-	36.7	-	-	-	-	-	-
5	-	-	-	-	0.2	0.5	1.2	7.4	0.2	0.1	0.2	-	-	-	-	-	-
6	0.8	-	-	-	15.3	-	6.9	8.9	-	0.1	-	-	-	-	-	-	-
7	3.5	0.3	-	-	1.2	-	1.3	1.6	-	1.4	3.7	2.2	4.4	-	1.5	-	7.6
8	-	-	-	-	-	-	0.8	1.7	-	10.7	1.0	0.1	-	2.6	-	7.3	6.8
9	0.9	5.7	9.2	17.6	1.5	2.4	4.5	3.1	10.7	-	0.1	2.0	-	-	7.3	5.6	4.1
10	-	-	-	-	-	-	-	0.5	-	2.6	9.0	11.3	0.7	3.8	-	0.3	-
11	2.6	-	-	-	-	-	-	3.4	-	0.6	10.3	-	-	-	-	-	-
12	1.0	-	-	-	-	-	-	-	-	-	5.2	-	-	-	-	-	-
13	4.8	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-
14	1.2	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-
15	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-
17	7.8	-	-	-	-	-	-	-	-	1.3	4.2	-	-	-	-	-	-
18	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	1.0	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	11.1	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	0.5	5.6	7.0	-	2.9	9.5	4.8	0.8	3.2	-	-	-	-	-	-	-	-
24	1.0	0.5	3.3	3.8	-	-	1.7	0.3	0.8	-	-	1.1	3.5	-	11.0	1.2	-
25	-	30.9	18.1	13.1	0.4	8.9	1.0	2.2	16.6	-	-	12.7	22.0	2.2	-	24.3	31.2
26	-	14.0	2.5	18.8	5.8	2.7	-	-	20.1	-	0.4	-	0.6	3.8	8.6	2.5	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	8.5	5.4	1.2	19.6	-	-	4.7	1.5	8.0	5.3	-	-	-	2.6	-	8.9	11.1
29	-	41.7	1.0	18.1	-	2.8	-	-	8.0	0.7	1.7	8.1	12.4	5.2	10.8	5.9	4.1
30	-	15.3	21.6	33.9	34.2	22.3	29.3	40.4	20.6	0.4	-	-	-	-	-	-	0.3
31	-	5.7	10.2	-	0.6	5.4	38.3	20.4	12.5	2.8	-	3.8	11.3	12.1	22.6	16.0	22.9

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	N 22	N 23	S 01	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	14.3	1.9	5.0	-	-	-	1.0	-	-	-	4.7
2	7.6	6.5	-	0.6	5.0	-	0.1	0.2	-	-	0.7
3	-	-	1.0	-	12.5	9.8	-	-	4.3	-	0.3
4	-	1.9	-	-	19.5	5.3	7.1	-	2.6	-	-
5	-	-	-	-	-	0.2	86.8	0.6	6.7	-	-
6	-	-	-	16.3	-	11.4	16.3	0.6	3.6	-	-
7	1.3	-	-	3.2	20.0	0.5	-	-	-	11.6	5.0
8	-	-	3.0	-	23.0	-	6.5	38.0	13.2	-	8.2
9	1.9	3.6	5.0	-	2.0	-	-	5.9	-	5.4	-
10	-	-	7.0	10.8	17.0	-	-	-	-	-	-
11	-	-	-	-	35.0	-	-	0.4	-	3.2	-
12	-	-	-	-	3.5	5.1	0.4	-	8.3	7.1	-
13	-	-	-	-	-	-	0.4	-	0.9	9.6	-
14	-	-	-	-	-	-	-	1.5	0.3	0.6	-
15	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	2.3	-	-
18	-	-	-	-	-	-	-	-	-	-	-
19	-	-	2.0	-	-	-	-	-	-	-	-
20	-	-	-	-	5.8	1.5	3.3	0.7	7.3	13.6	-
21	-	-	-	-	-	-	-	0.3	-	-	2.2
22	-	-	-	-	-	-	-	-	-	-	2.5
23	-	2.7	-	-	3.0	-	1.4	-	-	-	0.5
24	14.0	1.5	8.0	-	-	-	-	-	-	0.9	0.1
25	4.5	6.3	-	-	-	-	0.1	0.1	2.6	-	-
26	2.4	17.4	-	11.0	-	8.7	32.2	7.2	0.1	-	-
27	-	-	1.0	-	-	-	-	-	-	-	-
28	15.9	16.7	8.0	-	-	-	-	-	-	-	0.5
29	1.6	2.8	32.0	-	-	-	-	-	-	-	-
30	2.5	4.5	-	-	-	-	-	-	-	-	-
31	3.4	4.3	1.5	-	-	-	0.9	-	-	-	5.4

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OFFICIAL PRECIPITATION DATA (MM)

DATE	IC 1	N 03	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 20	SF 1	SF 2	SF 3	SF 4	SF 5
1	0.8	2.0	21.3	7.6	1.5	19.9	14.6	-	-	8.5	30.2	-	1.7	-	-	-
2	3.3	8.0	33.7	16.4	3.2	7.9	4.6	3.3	-	14.0	8.2	-	0.4	1.5	-	-
3	-	-	0.8	-	-	-	0.7	2.2	20.8	-	-	9.8	0.4	-	4.6	-
4	9.5	4.0	3.9	6.0	4.1	2.0	1.3	-	34.2	-	-	6.0	5.4	-	3.1	-
5	0.8	-	0.5	0.7	1.5	7.5	0.1	0.1	0.2	-	-	0.2	84.7	1.1	6.1	-
6	0.6	-	15.1	-	6.5	8.3	-	0.1	-	-	-	11.4	15.7	1.4	4.2	-
7	4.0	0.2	1.3	-	1.5	2.3	-	1.4	3.7	2.3	-	0.8	0.6	-	-	12.8
8	-	-	-	-	0.8	1.3	-	10.7	1.0	0.1	7.3	-	6.5	38.0	13.0	-
9	1.1	9.0	1.8	2.5	4.3	3.0	10.5	-	0.1	2.0	5.0	-	-	6.7	0.2	6.3
10	-	-	-	-	-	0.5	-	2.6	8.4	10.9	0.6	-	-	-	-	-
11	3.5	-	-	-	-	3.5	-	0.6	9.6	-	-	-	-	0.6	-	3.7
12	1.5	-	-	-	-	-	-	-	4.8	-	-	5.2	0.6	-	8.6	7.0
13	6.5	-	-	-	-	-	-	-	0.2	-	-	25.6	1.1	-	1.3	10.1
14	2.0	-	-	-	-	-	-	-	0.5	-	-	-	-	1.8	1.1	1.9
15	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-
16	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-
17	7.5	-	-	-	-	-	-	1.5	4.5	-	-	-	-	-	2.3	0.2
18	3.1	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	0.1
19	1.2	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	11.7	-	-	1.7	3.3	0.9	7.9	12.6
21	0.3	-	-	-	-	-	-	-	1.9	-	-	-	0.2	1.3	-	-
22	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-
23	2.1	5.8	2.4	9.0	4.0	0.9	3.3	-	-	-	-	-	1.7	-	-	-
24	0.4	3.0	-	0.3	1.6	0.1	1.0	-	-	0.9	1.0	-	-	-	-	1.6
25	9.5	19.5	0.3	8.2	1.0	1.8	15.0	-	-	10.3	21.8	-	0.1	0.3	2.2	-
26	0.7	2.9	5.5	2.8	-	-	18.7	-	0.5	-	2.5	9.4	31.0	7.4	0.6	0.8
27	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.5	1.3	-	0.3	4.1	0.9	7.5	3.0	-	-	8.2	-	-	-	-	-
29	-	1.0	-	2.8	-	-	7.5	1.0	1.7	7.6	5.2	-	-	-	-	-
30	0.3	20.0	31.9	22.5	27.1	37.2	18.8	0.5	0.1	-	-	-	-	-	-	-
31	-	9.5	1.1	5.5	36.0	19.5	12.3	2.7	-	4.0	14.2	-	1.1	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

CONCENTRATION OF SODIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20
1	-	0.3	1.0	0.3	0.7	0.9	0.7	0.4	1.9	-	-	0.5	-	-	0.2	0.2
2	2.0	2.4	1.0	1.6	6.0	2.4	1.0	0.9	3.3	0.2	-	0.2	-	0.5	0.1	0.5
3	-	-	-	-	7.2	-	-	-	3.6	-	0.1	-	-	-	-	-
4	0.3	1.2	1.0	-	1.7	0.9	0.7	1.7	2.8	-	0.3	-	-	-	-	-
5	-	-	-	-	10.4	1.0	2.2	1.1	-	-	4.0	-	-	-	-	-
6	1.0	-	-	-	2.6	-	0.5	0.6	-	-	-	-	-	-	-	-
7	0.5	-	-	-	3.9	-	1.3	1.6	-	0.4	0.6	1.5	1.8	-	3.1	-
8	-	-	-	-	-	-	1.4	3.9	-	0.5	0.9	-	-	4.9	-	0.2
9	4.0	0.5	0.3	0.4	9.2	0.8	1.9	2.2	0.4	-	12.6	0.2	-	-	3.1	0.3
10	-	-	-	-	-	-	-	54.0	-	0.8	0.5	0.1	0.8	2.0	-	-
11	2.0	-	-	-	-	-	-	6.3	-	1.7	0.2	-	-	-	-	-
12	3.3	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-
13	3.2	-	-	-	-	-	-	-	-	-	6.0	-	-	-	-	-
14	17.5	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	-
15	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-
17	35.2	-	-	-	-	-	-	-	-	1.3	2.5	-	-	-	-	-
18	1.0	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-
19	0.7	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	4.4	0.3	0.3	-	6.6	0.2	0.7	0.9	1.8	-	-	-	-	-	-	-
24	2.7	-	-	-	-	-	1.2	3.0	2.5	-	-	1.2	1.8	-	0.3	5.9
25	-	0.2	-	0.3	22.8	0.2	1.2	2.0	0.2	-	-	0.4	0.1	0.3	-	0.2
26	-	0.4	-	0.4	2.5	0.2	-	-	0.1	-	-	-	2.7	0.4	0.4	1.1
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.9	0.2	0.3	0.2	-	-	0.9	1.3	0.3	0.4	-	-	-	0.4	-	0.2
29	-	0.1	0.4	0.2	-	0.2	-	-	0.3	1.0	0.6	1.0	0.3	0.9	0.2	1.1
30	-	0.2	0.1	0.3	0.3	0.1	0.4	0.3	0.3	2.4	-	-	-	-	-	-
31	-	0.5	0.4	-	0.6	0.5	0.1	0.2	0.2	0.8	-	0.3	0.3	-	0.1	0.5

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

CONCENTRATION OF SODIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 21	N 22	N 23	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	0.3	1.1	4.5	-	-	-	-	-	0.5
2	0.4	1.8	1.9	-	-	-	-	-	2.5
3	-	-	-	0.1	-	-	0.0	-	2.0
4	-	-	20.6	0.2	0.2	-	0.0	-	-
5	-	-	-	-	0.0	0.7	0.0	-	-
6	-	-	-	0.1	0.0	0.3	0.1	-	-
7	1.2	7.5	-	0.3	-	-	-	0.0	0.4
8	1.2	-	-	-	0.0	0.1	0.0	-	0.3
9	0.6	31.0	3.6	-	-	0.2	-	0.0	-
10	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	0.2	-	0.1	-
12	-	-	-	0.1	0.7	-	0.1	0.1	-
13	-	-	-	-	-	-	0.1	0.1	-
14	-	-	-	-	-	0.2	-	0.2	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	0.1	-	-
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	0.7	0.1	0.3	0.0	0.1	-
21	-	-	-	-	-	-	-	-	0.5
22	-	-	-	-	-	-	-	-	0.2
23	-	-	5.0	-	0.4	-	-	-	1.1
24	-	0.7	3.4	-	-	-	-	0.1	-
25	0.2	0.6	0.4	-	-	-	0.0	-	-
26	-	15.2	0.4	0.1	0.0	0.0	-	-	-
27	-	-	-	-	-	-	-	-	-
28	0.5	0.3	2.5	-	-	-	-	-	3.1
29	0.8	1.4	2.3	-	-	-	-	-	-
30	4.0	0.7	5.1	-	-	-	-	-	-
31	0.2	2.0	2.8	-	-	-	-	-	0.3

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

CONCENTRATION OF MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	UK 1
1	0.05	0.11	0.05	0.09	0.13	0.08	0.10	0.11	-	-	0.05	-	-	0.03	0.03	0.04	0.12	0.58	0.01
2	0.26	0.11	0.15	0.68	0.29	0.03	0.09	0.06	0.03	-	0.01	-	0.05	0.03	0.02	0.02	0.18	0.19	0.27
3	-	-	-	0.64	-	-	-	0.21	0.03	0.02	-	-	-	-	-	0.29	-	-	0.25
4	0.14	0.10	-	0.13	0.10	0.09	0.17	0.08	-	0.02	-	-	-	-	-	-	-	1.16	-
5	-	-	-	1.32	0.20	0.20	0.14	-	-	0.16	-	-	-	-	-	-	-	-	-
6	-	-	-	0.35	-	0.07	0.08	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	0.48	-	0.11	0.25	-	0.10	0.05	0.20	0.16	-	0.24	-	0.05	2.40	-	0.05
8	-	-	-	-	-	0.14	0.35	-	0.06	0.08	-	-	0.16	-	0.03	0.03	-	-	0.01
9	0.06	0.04	0.05	1.20	0.12	0.06	0.23	0.02	-	0.56	0.02	-	-	0.06	0.03	0.04	0.93	0.41	-
10	-	-	-	-	-	-	1.50	-	0.10	0.04	0.02	0.04	0.08	-	-	-	-	-	-
11	-	-	-	-	-	-	0.30	-	0.21	0.02	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	0.05	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	0.36	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	0.24	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	0.16	0.28	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	0.14	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	0.10	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	0.34	-	-	-	-	-	-	-	-	0.08
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
23	0.07	0.04	-	0.76	0.04	0.07	0.14	0.05	-	-	-	-	-	-	-	-	-	0.66	0.15
24	-	-	-	-	-	0.06	0.32	0.10	-	-	0.35	0.12	-	0.11	0.29	-	0.07	0.37	-
25	0.01	-	0.06	2.72	0.09	0.10	0.17	0.01	-	-	0.04	0.01	0.02	-	0.01	0.01	0.05	0.06	-
26	0.02	-	0.03	0.33	0.02	-	-	0.01	-	1.08	-	0.14	0.02	0.12	0.04	-	1.16	0.07	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.05	0.05	0.03	-	-	0.03	0.15	0.02	0.07	-	-	-	0.30	-	0.02	0.03	0.03	0.33	0.09
29	0.02	0.04	0.03	-	0.04	-	-	0.03	0.12	0.08	0.13	0.03	0.05	0.24	0.03	0.04	0.08	0.31	-
30	0.06	0.03	0.07	0.04	0.05	0.03	0.02	0.03	0.30	-	-	-	-	-	-	0.22	0.20	0.64	-
31	0.06	0.08	-	0.12	0.07	0.01	0.02	0.03	0.07	-	0.08	0.02	0.03	0.05	0.02	0.02	0.32	0.38	0.03

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	*	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20
1	-	2.8	2.9	1.6	3.0	5.1	6.1	2.9	2.2	-	-	1.7	-	-	1.4	1.6
2	10.3	6.6	3.0	3.9	1.7	2.5	2.9	1.1	4.1	0.7	-	0.7	-	2.2	1.4	1.3
3	-	-	-	-	1.8	-	-	-	1.9	1.1	1.1	-	-	-	-	-
4	0.7	12.2	9.3	-	6.0	0.8	10.3	8.0	12.4	-	0.9	-	-	-	-	-
5	-	-	-	-	17.6	12.6	15.5	12.3	1.9	-	0.6	-	-	-	-	-
6	1.6	-	-	-	9.2	-	9.5	11.8	-	-	-	-	-	-	-	-
7	1.1	-	-	-	11.1	-	6.2	9.5	-	18.7	0.3	7.6	7.2	-	11.1	-
8	-	-	-	-	-	-	6.0	5.6	-	1.1	0.3	-	-	9.6	-	2.0
9	2.1	2.9	2.0	3.9	7.1	4.1	3.4	5.7	2.1	-	0.6	0.5	-	-	5.4	2.0
10	-	-	-	-	-	-	-	5.2	-	5.0	0.7	0.4	2.3	5.2	-	-
11	0.8	-	-	-	-	-	-	2.3	-	4.3	0.3	-	-	-	-	-
12	2.0	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	-
13	0.8	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-
14	0.6	-	-	-	-	-	-	-	-	-	0.7	-	-	-	-	-
15	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-
17	0.0	-	-	-	-	-	-	-	-	5.9	0.3	-	-	-	-	-
18	0.5	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-
19	0.9	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	8.8	5.9	4.8	-	7.9	5.0	5.3	5.2	2.7	-	-	-	-	-	-	-
24	10.2	-	1.0	3.0	-	-	8.9	9.2	9.7	-	-	4.6	8.9	-	5.3	6.4
25	-	0.8	1.0	3.5	10.2	1.3	2.0	5.1	1.5	-	-	1.3	2.2	0.3	-	1.7
26	-	0.4	1.0	0.8	0.9	0.8	-	-	0.3	-	20.7	-	4.5	0.4	1.4	0.2
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.3	2.3	3.7	1.0	-	-	2.2	3.1	1.3	0.5	-	-	-	0.2	-	0.9
29	-	1.7	2.2	1.0	-	2.8	-	-	1.6	0.0	0.9	1.4	2.9	0.7	2.5	1.7
30	-	3.1	0.2	3.4	1.4	3.8	3.0	1.0	1.7	3.9	-	-	-	-	-	-
31	-	2.8	2.5	-	5.9	4.1	2.9	2.7	3.2	1.3	-	3.1	2.8	3.3	2.1	1.8

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	**	**	**						*	*	*	*	*	*
DATE	N 21	N 22	N 23	S 01	S 02	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	2.5	3.4	7.9	5.2	2.3	-	-	-	-	1.8	-	-	-	3.8
2	1.8	1.7	1.7	-	2.3	0.8	4.6	1.9	-	-	-	-	-	13.4
3	6.0	-	-	12.9	-	-	-	1.3	3.6	-	-	0.0	-	6.4
4	-	-	21.7	-	-	-	-	0.2	5.0	2.5	-	10.7	-	-
5	-	-	-	-	-	-	-	-	-	1.1	4.9	2.0	-	-
6	-	-	-	-	-	-	1.3	-	1.1	1.1	6.9	4.5	-	-
7	3.9	6.7	-	-	9.9	-	1.8	0.2	-	-	-	-	2.0	2.5
8	1.0	-	-	9.1	9.9	7.6	-	1.0	-	1.5	2.3	3.0	-	2.5
9	2.5	4.2	6.5	6.7	9.9	-	-	0.9	-	-	3.7	-	2.0	-
10	-	-	-	3.3	-	4.3	6.0	2.5	-	-	-	-	-	-
11	-	-	-	-	-	-	-	0.0	-	-	-	-	2.1	-
12	-	-	-	-	2.2	-	-	0.6	3.9	5.8	-	3.0	1.5	-
13	-	-	-	-	2.2	3.7	-	-	-	5.8	-	8.6	2.1	-
14	-	-	-	-	-	-	-	-	-	-	2.0	-	7.0	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	6.2	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	0.0	3.9	1.9	5.6	1.1	0.0	-
21	-	-	-	-	2.5	-	-	-	-	-	-	-	-	8.9
22	-	-	-	-	2.5	-	-	-	-	-	-	-	-	5.1
23	-	-	10.8	-	2.5	-	-	1.7	-	0.0	-	-	-	19.1
24	-	4.4	4.3	4.0	2.5	-	-	-	-	-	-	-	1.0	-
25	1.8	3.5	1.6	-	2.5	-	-	-	-	-	-	4.3	-	-
26	-	5.7	1.6	-	2.5	-	3.7	-	0.0	1.4	3.3	-	-	-
27	-	-	-	8.2	2.5	-	-	-	-	-	-	-	-	-
28	1.1	2.9	2.0	3.2	2.5	-	-	-	-	-	-	-	-	68.7
29	0.8	22.0	3.6	2.4	2.5	-	-	-	-	-	-	1.7	-	-
30	8.4	15.5	3.1	-	2.5	-	-	-	-	-	-	-	-	-
31	2.4	22.7	7.2	9.5	2.5	1.3	-	-	-	4.3	-	-	-	21.1

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

PH IN PRECIPITATION

DATE	D 01	D 02	D 03	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17
1	4.00	-	4.80	-	4.40	4.49	4.95	4.41	4.32	4.31	5.19	4.70	-	-	4.89	-
2	3.80	4.00	4.80	4.32	3.98	4.40	5.00	4.55	4.58	4.50	5.40	5.47	5.72	-	4.85	-
3	3.80	4.30	4.90	-	-	-	-	6.32	-	-	-	6.68	4.63	4.40	-	-
4	-	-	-	4.51	3.60	3.71	-	4.00	3.81	3.70	3.90	4.28	-	4.90	-	-
5	-	-	4.40	-	-	-	-	4.15	4.02	3.72	3.78	-	-	6.39	-	-
6	-	-	-	5.34	-	-	-	3.90	-	3.98	3.85	-	-	-	-	-
7	4.90	-	-	5.15	-	-	-	3.61	-	4.00	4.00	-	3.61	5.55	4.20	4.02
8	-	-	-	-	-	-	-	-	-	4.30	5.99	-	4.79	5.99	-	-
9	4.00	4.50	6.00	5.39	4.71	4.58	4.29	3.90	6.35	4.60	4.86	4.60	-	-	4.85	-
10	-	4.30	4.20	-	-	-	-	-	-	-	6.69	-	4.42	4.82	4.82	5.59
11	-	-	3.60	6.38	-	-	-	-	-	-	5.61	-	6.25	5.21	-	-
12	-	-	-	6.06	-	-	-	-	-	-	-	-	-	5.79	-	-
13	-	-	-	6.62	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	5.71	-	-	-	-	-	-	-	-	-	6.84	-	-
15	-	-	-	5.22	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	6.02	-	-
17	-	-	4.30	6.16	-	-	-	-	-	-	-	-	6.00	5.62	-	-
18	-	-	4.20	5.21	-	-	-	-	-	-	-	-	-	5.65	-	-
19	-	-	-	5.83	-	-	-	-	-	-	-	-	-	5.50	-	-
20	-	-	4.00	-	-	-	-	-	-	-	-	-	-	5.18	-	-
21	-	-	4.30	-	-	-	-	-	-	-	-	-	-	6.20	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	3.90	-	-	4.70	4.10	4.81	-	4.00	4.28	4.48	5.65	5.59	-	-	-	-
24	4.00	3.90	4.30	3.78	-	-	4.80	-	-	4.61	6.69	4.80	-	-	4.88	5.18
25	4.20	-	-	-	4.96	-	4.42	5.50	5.85	5.32	5.08	4.70	-	-	4.65	4.35
26	4.10	3.90	-	-	5.55	-	5.19	5.61	6.00	-	-	5.30	-	-	-	4.85
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	4.79	5.02	5.58	4.89	-	-	4.51	6.00	4.75	5.60	-	-	-
29	-	-	-	-	5.00	6.15	5.19	-	5.40	-	-	4.95	6.45	5.63	6.55	4.48
30	4.70	3.90	-	-	4.80	5.15	5.00	4.89	4.71	4.75	5.45	5.00	6.80	-	-	-
31	4.50	-	4.40	-	4.55	4.45	-	3.92	4.41	4.40	4.45	4.35	6.40	-	6.91	4.40

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

PH IN PRECIPITATION

DATE	N 18	N 19	N 20	N 21	N 22	N 23	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	4.65	4.67	4.54	4.42	3.35	-	5.05	-	-	-	4.25
2	4.78	4.69	4.79	4.71	4.55	0.00	-	-	-	-	-	4.00
3	-	-	-	5.25	-	-	4.82	-	-	5.44	-	5.40
4	-	-	-	-	-	0.25	5.38	5.81	-	4.71	-	-
5	-	-	-	-	-	-	-	5.40	-	4.72	-	-
6	-	-	-	-	-	-	5.17	6.00	-	4.88	-	-
7	-	4.30	-	4.45	4.05	-	-	-	-	-	6.93	4.45
8	4.45	-	4.41	5.49	-	-	-	4.90	5.85	4.89	-	4.05
9	-	4.70	4.33	4.40	4.00	4.18	-	-	4.72	-	4.14	-
10	5.14	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	7.58	-
12	-	-	-	-	-	-	5.79	-	-	6.29	8.37	-
13	-	-	-	-	-	-	-	-	-	6.33	8.05	-
14	-	-	-	-	-	-	-	-	6.70	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	4.90	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	6.96	6.85	5.50	4.73	8.11	-
21	-	-	-	-	-	-	-	-	-	-	-	3.85
22	-	-	-	-	-	-	-	-	-	-	-	4.20
23	-	-	-	-	-	4.00	-	7.88	-	-	-	3.60
24	-	6.71	5.62	-	4.20	6.12	-	-	-	-	-	4.45
25	4.35	-	4.60	4.61	4.30	4.68	-	-	-	6.46	-	-
26	4.75	6.51	6.05	-	7.10	4.60	6.72	5.16	7.42	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	4.70	-	4.62	4.75	4.25	4.45	-	-	-	-	-	3.75
29	4.35	6.92	5.71	5.60	3.40	4.99	-	-	-	-	-	-
30	-	-	-	5.10	3.91	5.12	-	-	-	-	-	-
31	5.20	5.05	4.78	4.50	3.45	4.45	-	7.80	-	-	-	4.30

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	D 01	D 02	D 03	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21
1	*100	-	*20	-	37	27	3	38	42	45	-5	20	-	-	11	-	-	24	16	29
2	*160	*100	*20	*48	109	41	4	31	22	27	-6	-15	-10	-	11	-	18	23	12	17
3	*160	*50	*10	-	-	-	-	2	-	-	-	-186	*23	30	-	-	-	-	-	NEG
4	-	-	-	*31	250	256	-	111	172	261	129	52	-	9	-	-	-	-	-	-
5	-	-	*90	-	-	-	-	71	100	188	178	-	-	NEG	-	-	-	-	-	-
6	-	-	-	NEG	-	-	-	147	-	112	163	-	-	-	-	-	-	-	-	-
7	*10		-	NEG	-	-	-	226	-	102	86	-	228	-17	43	90	-	48	-	37
8	-		-	-	-	-	-	-	-	36	-56	-	15	-34	-	-	40	-	41	-11
9	*100	*32	NEG	NEG	29	31	54	128	2	22	13	24	-	-	10	-	-	25	47	41
10	-	*50	*60	-	-	-	-	-	-	-	-156	-	37	12	14	-10	8	-	-	-
11	-	-	*250	NEG	-	-	-	-	-	-	-12	-	-54	1	-	-	-	-	-	-
12	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-45	-	-	-	-	-	-
13	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-264	-	-	-	-	-	-
15	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-55	-	-	-	-	-	-
17	-	-	*50	NEG	-	-	-	-	-	-	-	-	-21	-39	-	-	-	-	-	-
18	-	-	*60	NEG	-	-	-	-	-	-	-	-	-	-8	-	-	-	-	-	-
19	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-22	-	-	-	-	-	-
20	-	-	*100	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
21	-	-	*100	-	-	-	-	-	-	-	-	-	-	-50	-	-	-	-	-	-
22	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	*120	-	-	*20	77	57	-	102	52	33	-10	-21	-	-	-	-	-	-	-	-
24	*100	*120	*50	*166	-	-10	10	-	-	21	-180	10	-	-	18	4	-	-141	-49	-
25	*60	-	-	-	9	-10	38	NEG	-29	0	3	20	-	-	20	43	36	-	21	22
26	*80	*120	-	-	-13	-10	1	4	-19	-	-	3	-	-	-	22	18	-203	-25	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	*16	37	-16	15	-	-	30	-30	20	-23	-	-	-	31	-	21	14
29	-	-	-	-	6	-44	6	-	-4	-	-	8	-128	-6	-80	24	47	-310	-22	-15
30	*20	*120	-	-	13	4	0	15	18	12	-8	1	-264	-	-	-	-	-	-	NEG
31	*30	-	*40	-	26	25	-	53	38	36	23	41	-62	-	-200	25	-4	2	15	24

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	N 22	N 23	S 01	S 02	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	34	-9	0	44	-	-	-	-	NEG	-	-	-	50
2	16	-34	-	44	0	0	0	-	-	-	-	-	133
3	-	-	0	-	-	-	47	15	-	-	NEG	-	0
4	-	-196	-	0	-	0	24	NEG	NEG	-	20	-	-
5	-	-	-	-	-	-	-	-	NEG	-	18	-	-
6	-	-	-	-	-	31	-	NEG	NEG	-	16	-	-
7	86	-	-	139	-	30	20	-	-	-	-	NEG	3
8	-	-	20	159	0	-	38	-	*13	NEG	12	-	100
9	21	66	55	159	-	-	24	-	-	22	-	69	-
10	-	-	0	-	0	83	28	-	-	-	-	-	-
11	-	-	-	-	-	-	0	-	-	-	-	NEG	-
12	-	-	-	15	-	-	0	6	-	-	NEG	NEG	-
13	-	-	-	15	27	-	-	-	-	-	NEG	NEG	-
14	-	-	-	-	-	-	-	-	-	NEG	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	14	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	0	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	0	NEG	NEG	NEG	18	NEG	-
21	-	-	-	26	-	-	-	-	-	-	-	-	*141
22	-	-	-	26	-	-	-	-	-	-	-	-	59
23	-	109	-	26	-	-	24	-	NEG	-	-	-	290
24	62	-52	0	26	-	-	-	-	-	-	-	-	*35
25	50	21	-	26	-	-	-	-	-	-	NEG	-	-
26	-326	24	-	26	-	45	-	NEG	14	NEG	-	-	-
27	-	-	0	26	-	-	-	-	-	-	-	-	-
28	56	36	0	26	-	-	-	-	-	-	-	-	199
29	389	8	0	26	-	-	-	-	-	-	-	-	-
30	126	4	-	26	-	-	-	-	-	-	-	-	-
31	456	19	0	26	16	-	-	-	NEG	-	-	-	48

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	D 01	D 02	D 03	IC 1	N 01	N 03	N 09	N 21	N 22	N 23	NL 1	NL 2	NL 3	S 01	S 02	S 03	S 04	S 05	UK 1
1	13	1	0	2	0	7	3	14	4	19	2	5	7	0	5	0	0	0	-
2	11	5	0	0	0	8	2	4	4	12	11	7	6	0	0	0	0	0	-
3	1	6	-	-	0	6	3	3	10	2	1	9	12	0	6	0	92	0	0
4	5	-	0	1	0	7	3	20	2	2	15	9	5	0	0	0	0	0	15
5	14	14	0	-	0	9	8	12	12	4	12	16	29	0	0	0	0	0	17
6	14	24	0	0	0	5	5	3	5	4	12	5	10	0	0	0	0	0	26
7	6	3	0	1	0	5	4	25	3	10	5	14	13	0	0	0	0	0	12
8	5	7	0	-	0	12	13	19	6	2	7	7	11	0	0	0	0	0	25
9	2	7	0	1	0	0	14	3	6	2	0	8	8	0	0	0	0	0	36
10	3	1	0	1	0	0	7	32	11	20	11	5	14	0	0	0	0	0	14
11	9	0	11	-	0	0	7	12	0	5	3	7	13	0	0	0	0	0	19
12	4	3	6	-	11	25	9	8	0	2	5	5	-	0	0	0	0	0	31
13	3	6	7	0	0	1	8	10	0	2	2	3	6	0	0	0	0	0	27
14	2	4	10	0	0	14	9	3	0	8	10	1	3	0	0	0	0	0	8
15	1	0	3	1	3	37	5	9	0	4	8	1	1	0	0	0	0	0	-
16	2	0	0	1	3	33	14	9	0	2	5	3	1	0	0	0	0	0	-
17	1	0	0	-	5	19	14	0	11	29	5	1	2	0	0	0	0	0	10
18	2	4	0	7	6	17	24	16	11	8	10	1	2	94	0	0	0	0	9
19	3	7	0	2	12	25	8	7	14	34	46	7	5	3	0	0	0	0	9
20	2	3	0	2	6	19	13	0	0	22	41	11	6	0	0	0	0	0	12
21	3	0	0	-	4	8	9	12	27	8	7	8	1	0	0	0	0	0	0
22	2	0	0	1	8	0	3	7	17	15	13	8	0	0	0	0	0	0	19
23	0	0	0	1	6	5	7	21	27	7	7	5	0	0	0	0	0	0	18
24	1	7	0	1	5	10	18	30	80	21	20	6	0	0	0	0	0	0	13
25	3	1	0	0	0	13	9	12	9	9	3	4	0	0	0	0	0	0	22
26	0	0	9	-	4	7	3	12	15	0	1	1	1	0	0	0	0	0	8
27	4	3	5	-	3	4	3	17	12	0	6	5	2	0	0	0	0	0	21
28	8	29	3	-	3	2	0	10	35	0	11	23	8	0	0	0	0	0	51
29	4	0	1	-	0	5	2	2	45	11	7	4	8	0	0	0	0	0	39
30	5	0	1	-	0	6	6	22	28	0	9	3	4	0	0	0	0	0	33
31	3	0	-	-	0	13	7	22	12	14	9	10	5	0	0	0	0	0	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	IC 1	NL 1	NL 2	NL 3	S 01	S 02	S 03	S 04	S 05	UK 1
1	5.0	2.5	5.0	2.5	5.2	7.3	3.8	3.2	1.8	-
2	1.4	7.5	5.0	7.5	4.8	7.0	5.8	5.6	1.9	-
3	0.7	2.5	12.5	10.0	3.0	3.5	1.9	5.2	2.1	3.4
4	1.2	17.5	12.5	7.5	5.0	11.5	7.0	3.6	1.8	5.9
5	0.5	5.0	12.5	20.0	5.9	15.7	8.5	7.3	0.8	5.7
6	0.5	15.0	12.5	10.0	7.1	13.7	13.0	3.6	1.4	5.5
7	0.5	2.5	10.0	10.0	8.9	11.0	14.6	4.3	1.1	3.5
8	0.5	5.0	7.5	7.5	5.6	7.6	7.2	7.9	3.2	6.0
9	0.7	2.5	-	12.5	8.6	8.3	2.6	4.4	0.1	6.7
10	0.7	7.5	5.0	7.5	2.6	5.3	4.8	12.8	1.2	4.7
11	0.2	5.0	17.5	7.5	3.1	6.5	3.6	2.5	0.1	6.6
12	0.2	12.5	5.0	-	2.2	3.2	2.6	6.7	0.7	10.4
13	0.5	2.5	7.5	15.0	4.8	5.8	1.6	1.6	0.7	13.5
14	0.5	15.0	0.0	7.5	5.0	1.3	1.4	1.0	0.0	11.3
15	0.2	10.0	5.0	5.0	4.6	8.4	1.3	1.3	0.8	3.2
16	0.5	12.5	7.5	10.0	0.0	7.7	1.9	1.9	1.1	4.4
17	0.0	20.0	10.0	12.5	0.6	5.0	3.7	3.8	0.5	7.6
18	0.0	20.0	12.5	12.5	0.5	5.4	3.5	1.2	0.2	5.7
19	0.5	32.5	7.5	12.5	0.5	8.3	3.5	1.6	2.2	3.7
20	0.2	40.0	10.0	10.0	0.5	7.1	7.8	7.1	0.5	5.3
21	0.0	12.5	7.5	10.0	0.1	3.6	1.3	0.5	1.0	0.0
22	0.0	25.0	10.0	10.0	1.3	4.4	1.2	0.6	0.4	6.5
23	0.5	2.5	12.5	-	1.3	1.9	1.4	1.3	1.6	13.2
24	4.6	30.0	15.0	7.5	6.2	5.9	1.3	2.3	0.8	11.3
25	2.4	9.0	2.5	2.5	7.7	10.8	9.1	5.9	0.7	8.4
26	0.5	0.0	0.0	2.5	6.1	3.2	2.4	1.4	0.7	4.2
27	0.2	2.5	5.0	5.0	1.2	0.7	0.4	0.6	0.7	4.5
28	0.2	7.5	10.0	7.5	1.3	1.8	1.9	1.0	0.1	7.7
29	0.5	12.5	12.5	15.0	4.6	-	3.7	4.6	1.3	7.9
30	-	2.5	25.0	25.0	0.7	-	5.8	4.3	3.2	10.2
31	1.0	5.0	15.0	7.5	8.5	-	6.5	8.4	4.3	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20
1	-	29	6	98	64	39	9	58	32	-	-	14	-	-	28	48
2	36	18	24	17	57	41	9	9	19	2	-	10	-	20	52	11
3	-	-	-	-	1	-	-	-	1	2	23	-	-	-	-	-
4	8	45	37	-	23	53	42	16	16	-	31	-	-	-	-	-
5	-	-	-	-	9	9	23	92	0	-	0	-	-	-	-	-
6	1	-	-	-	139	-	62	100	-	-	-	-	-	-	-	-
7	5	-	-	-	14	-	9	22	-	26	1	17	32	-	17	-
8	-	-	-	-	-	-	5	7	-	12	0	-	-	25	-	15
9	3	17	18	69	13	10	15	17	22	-	0	1	-	-	40	10
10	-	-	-	-	-	-	-	3	-	13	6	4	2	20	-	-
11	5	-	-	-	-	-	-	8	-	3	3	-	-	-	-	-
12	4	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
13	7	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
15	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
17	40	-	-	-	-	-	-	-	-	9	1	-	-	-	-	-
18	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
19	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21	33	28	-	19	45	21	5	9	-	-	-	-	-	-	-
24	4	-	3	11	-	-	14	1	10	-	-	4	31	-	58	6
25	-	25	20	46	3	11	2	11	23	-	-	13	48	1	-	37
26	-	6	3	15	5	2	-	-	6	-	10	-	3	2	12	1
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0	12	5	20	-	-	9	3	10	3	-	-	-	1	-	7
29	-	71	2	18	-	8	-	-	12	-	2	11	35	4	27	9
30	-	47	4	115	45	85	81	37	32	3	-	-	-	-	-	-
31	-	16	24	-	6	23	104	53	39	4	-	12	32	40	47	26

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 21	N 22	N 23	S 01	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	33	49	15	26	-	-	-	3	-	-	-	18
2	16	13	11	-	3	9	-	-	-	-	-	9
3	2	-	-	13	-	16	35	-	-	-	-	2
4	-	-	41	-	-	4	30	14	-	33	-	-
5	-	-	-	-	-	-	-	93	5	12	-	-
6	-	-	-	-	21	-	12	17	10	19	-	-
7	30	9	-	-	6	4	-	-	-	-	26	13
8	7	-	-	27	-	23	-	10	86	39	-	20
9	10	8	24	40	-	2	-	-	25	-	13	-
10	-	-	-	23	65	43	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	8	-
12	-	-	-	-	-	2	20	3	-	26	10	-
13	-	-	-	-	-	-	-	7	-	11	21	-
14	-	-	-	-	-	-	-	-	4	-	13	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	1	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	12	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	7	6	5	9	-	-
21	-	-	-	-	-	-	-	-	-	-	-	20
22	-	-	-	-	-	-	-	-	-	-	-	13
23	-	-	29	-	-	5	-	-	-	-	-	10
24	-	62	7	32	-	-	-	-	-	-	2	-
25	56	16	10	-	-	-	-	-	-	9	-	-
26	-	14	28	-	41	-	-	43	24	-	-	-
27	-	-	-	8	-	-	-	-	-	-	-	-
28	12	46	33	26	-	-	-	-	-	-	-	34
29	3	35	10	77	-	-	-	-	-	-	-	-
30	2	39	14	-	-	-	-	-	-	-	-	-
31	55	77	31	14	-	-	-	5	-	-	-	135

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	D 01	D 02	D 03	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17
1	-	-	-	-	377	54	183	809	319	68	-99	292	-	-	94	-
2	-	-	-	*158	298	328	18	1045	361	86	-47	-69	-33	-	154	-
3	-	-	-	-	-	-	-	2	-	-	-	-130	*52	624	-	-
4	-	-	-	*294	915	1024	-	433	1032	1070	258	68	-	308	-	-
5	-	-	-	-	-	-	-	36	70	282	1335	-	-	NEG	-	-
6	-	-	-	NEG	-	-	-	2220	-	728	1386	-	-	-	-	-
7	-	-	-	NEG	-	-	-	294	-	153	198	-	319	-63	99	395
8	-	-	-	-	-	-	-	-	-	29	-73	-	160	-34	-	-
9	-	-	NEG	NEG	166	279	949	230	5	95	39	252	-	-	20	-
10	-	-	-	-	-	-	-	-	-	-	-78	-	95	101	153	-7
11	-	-	-	NEG	-	-	-	-	-	-	-42	-	-32	10	-	-
12	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-216	-	-
13	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-132	-	-
15	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-115	-	-
17	-	-	-	NEG	-	-	-	-	-	-	-	-	-32	-176	-	-
18	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-14	-	-
19	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-48	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-95	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	*42	431	331	-	245	468	132	-9	-69	-	-	-	-
24	-	-	-	*66	-	-30	38	-	-	34	-18	10	-	-	16	14
25	-	-	-	-	278	-195	498	NEG	-238	NEG	5	300	-	-	206	944
26	-	-	-	-	-182	-29	19	22	-53	-	-	56	-	-	-	13
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	*8	200	-21	294	-	-	123	-27	150	-115	-	-	-
29	-	-	-	-	250	-44	109	-	-11	-	-	60	-128	-10	-608	296
30	-	-	-	-	199	80	NEG	478	405	325	-298	19	-132	-	-	-
31	-	-	-	-	149	238	-	58	209	1296	449	504	-167	-	-800	282

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JULY 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	N 18	N 19	N 20	N 21	N 22	N 23	S 01	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	483	483	384	487	-17	-	-	-	-	NEG	-	-	-	235
2	166	862	98	155	122	-220	-	-	-	-	-	-	-	-	93
3	-	-	-	NEG	-	-	-	-	588	147	-	-	NEG	-	NEG
4	-	-	-	-	-	-374	-	-	468	NEG	NEG	-	62	-	-
5	-	-	-	-	-	-	-	-	-	-	NEG	-	110	-	-
6	-	-	-	-	-	-	-	505	-	NEG	NEG	-	67	-	-
7	-	73	-	283	109	-	-	96	400	-	-	-	-	NEG	15
8	104	-	299	-75	-	-	61	-	874	-	*82	NEG	155	-	820
9	-	183	235	167	40	239	331	-	48	-	-	147	-	435	-
10	31	-	-	-	-	-	-	896	476	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	NEG	-
12	-	-	-	-	-	-	-	-	-	31	-	-	NEG	NEG	-
13	-	-	-	-	-	-	-	-	-	-	-	-	NEG	NEG	-
14	-	-	-	-	-	-	-	-	-	-	-	NEG	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	NEG	NEG	NEG	142	NEG	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*311
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148
23	-	-	-	-	-	291	-	-	72	-	NEG	-	-	-	145
24	--1548		-49	-	868	-79	-	-	-	-	-	-	-	-	*4
25	78	-	458	686	226	132	-	-	-	-	-	-	NEG	-	-
26	69-1745		-63	-	-789	417	-	495	-	NEG	434	NEG	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	81	-	172	156	891	600	-	-	-	-	-	-	-	-	103
29	242-3335		-114	-62	519	22	-	-	-	-	-	-	-	-	-
30	-	-	-	NEG	321	18	-	-	-	-	-	-	-	-	-
31	-48	45	213	550	1539	81	-	-	-	-	NEG	-	-	-	307

NORWEGIAN INSTITUTE FOR AIR RESEARCH

LRTAP GROUND SAMPLING STATIONS

MONTHLY SUMMARY OF RESULTS - AUGUST 1972

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS

NR	CODE	NAME	FUNCTION	LOCATIONS LAT.	LONG.	ALT.
1	D 01	WESTERLAND	PA	54 56 N	8 19 E	3
2	D 02	WALDHOF	PA	52 48 N	10 46 E	73
3	D 03	SCHAUINSLAND	PA	47 58 N	7 57 E	1200
4	DK 2	HANSTHOLM	A	57 07 N	8 36 E	46
5	DK 3	TANGE	A	56 21 N	9 36 E	13
6	DK 5	KELDSNOR	A	54 44 N	10 44 E	8
7	IC 1	RJUPNAHÆD	PA	64 05 N	21 51 W	120
8	N 01	BIRKELAND	PA	58 23 N	8 15 E	190
9	N 03	FINSLAND	PA	58 19 N	7 35 E	275
10	N 05	GJERSTAD	P	58 53 N	8 57 E	240
11	N 06	LISTA	P	58 06 N	6 34 E	13
12	N 07	MANDAL	P	58 03 N	7 27 E	138
13	N 08	SKREADALEN	P	58 49 N	6 43 E	475
14	N 09	SØYLAND	PA	58 41 N	5 59 E	263
15	N 10	TOVDAL	P	58 48 N	8 14 E	227
16	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
17	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
18	N 16	TÅGMYRA	P	61 25 N	12 04 E	536
19	N 17	KJELLER	P	59 59 N	11 03 E	120
20	N 18	LØKEN	P	59 48 N	11 27 E	150
21	N 19	BISLINGEN	P	60 14 N	10 37 E	680
22	N 20	GRIMELID	P	60 08 N	9 35 E	367
23	N 21	NOREFJELL	PA	60 13 N	9 31 E	810
24	N 22	VASSER	PA	59 04 N	10 26 E	35
25	N 23	LYNGØR	PA	58 38 N	9 08 E	20
26	N 24	FITJAR	P	59 55 N	5 13 E	20
27	NL 1	WAGENINGEN	A	51 58 N	5 38 E	7
28	NL 2	WITTEVEN	A	52 49 N	6 40 E	17
29	NL 3	DEN HELDER	A	52 55 N	4 47 E	0
30	S 01	EKERØD	PA	55 54 N	13 43 E	135
31	S 02	RÅÖ	PA	57 23 N	11 55 E	5
32	S 03	SJÖÄNGEN	PA	58 46 N	14 18 E	125
33	S 04	RYDA KUNGSGARD	PA	59 46 N	17 05 E	30
34	S 05	BREDKÄLEN	PA	63 51 N	15 17 E	405
35	SF 1	JOMALA	P	60 11 N	19 59 E	15
36	SF 2	JOKIOINEN	PA	60 49 N	23 30 E	104
37	SF 3	PUUMALA	P	61 34 N	28 04 E	120
38	SF 4	ÄHTÄRI	P	62 31 N	24 13 E	154
39	SF 5	SODANKYLÄ	PA	67 22 N	26 39 E	178
40	UK 1	COTTERED	PA	51 58 N	0 06 W	

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21
1	1.5	-	-	3.2	1.9	4.9	0.8	6.4	5.4	0.9	2.5	0.7	1.3	3.4	2.3	-	5.0	4.6
2	-	-	-	-	-	-	-	5.2	1.3	-	2.8	9.4	-	-	-	-	-	-
3	-	-	-	-	-	-	-	1.2	2.2	-	13.3	29.3	0.6	1.7	3.6	-	-	-
4	1.2	-	17.5	19.4	12.7	8.3	17.5	22.4	16.5	6.3	1.8	0.4	1.2	13.1	3.5	-	3.6	4.8
5	-	-	0.3	-	-	-	-	-	0.6	0.1	-	1.7	2.3	-	26.7	-	3.5	4.8
6	-	-	9.2	22.6	5.2	15.3	9.3	74.3	59.8	14.4	11.8	1.3	4.4	-	-	15.3	1.7	8.0
7	4.4	-	34.4	14.0	22.6	12.5	21.1	49.7	8.6	15.3	14.9	11.5	14.9	4.4	4.5	58.0	30.9	20.1
8	0.8	-	23.9	35.7	22.0	16.4	59.3	33.0	7.6	26.7	12.7	4.0	7.6	20.8	17.2	30.2	14.3	12.1
9	-	-	2.2	6.3	-	0.2	2.4	12.4	4.7	1.3	3.4	11.2	3.4	-	6.4	-	-	-
10	2.2	-	0.3	0.7	-	4.9	1.8	6.3	5.9	0.6	3.8	7.7	1.7	2.5	-	-	-	-
11	-	2.5	-	0.4	-	1.9	0.6	0.1	1.8	-	2.6	4.3	0.5	-	-	-	-	-
12	0.7	4.1	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-
13	-	3.5	4.8	8.0	-	6.7	5.2	-	-	-	-	-	0.3	-	-	4.6	-	-
14	-	2.4	6.7	5.0	22.6	13.3	1.1	5.4	10.6	12.9	-	-	10.8	11.6	21.6	-	19.0	18.3
15	-	1.1	-	-	-	-	-	-	-	-	-	-	13.4	20.2	11.5	22.5	7.3	6.0
16	0.1	5.7	7.6	10.5	3.0	11.9	27.2	21.1	31.1	1.3	7.3	0.1	10.1	5.4	-	-	9.2	5.7
17	5.0	-	2.2	5.4	5.3	8.9	6.4	4.6	14.5	4.5	14.7	5.1	8.4	22.0	19.6	-	4.6	8.3
18	0.3	6.9	-	-	-	-	-	-	-	-	1.0	1.4	2.6	-	12.7	-	-	-
19	-	4.1	-	-	-	-	-	-	-	-	1.8	3.8	-	-	-	-	-	0.8
20	1.1	1.3	-	-	-	-	-	-	2.2	-	-	1.1	-	-	-	-	-	-
21	0.1	2.4	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	1.5	0.4	-	-	-	-	-	-
23	1.0	1.6	0.6	0.9	0.4	5.2	1.0	1.9	14.8	-	19.0	9.4	10.7	1.4	1.3	-	-	-
24	0.1	-	-	-	-	-	-	-	1.1	-	3.1	1.0	1.1	-	1.6	-	1.0	3.2
25	0.1	8.3	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-
26	-	0.2	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-
27	-	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	21.7	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-
29	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	1.6	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	7.8	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	N 22	N 23	N 24	S 01	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	50.1	1.1	1.5	18.8	-	0.1	-	-	1.9	-	17.6
2	-	-	2.5	20.0	4.0	-	2.9	-	-	-	-	-
3	-	-	2.4	9.0	5.8	15.5	-	0.9	-	-	-	-
4	19.1	26.7	7.3	-	-	-	-	8.2	10.8	10.6	2.1	-
5	10.3	-	-	1.0	-	2.5	-	-	9.6	13.3	5.9	-
6	5.7	2.7	18.1	-	-	1.5	-	1.7	-	1.7	-	0.6
7	4.8	28.6	8.2	-	-	-	-	-	-	-	0.1	-
8	14.3	21.5	10.1	-	-	-	-	-	-	-	-	-
9	3.1	-	8.3	-	5.0	4.8	0.4	1.2	-	-	14.8	-
10	-	-	9.3	-	-	-	-	-	-	-	-	-
11	-	-	2.2	27.0	-	-	-	19.9	0.5	-	-	-
12	-	-	-	-	-	-	-	23.7	28.8	25.8	0.5	-
13	-	0.9	-	-	-	-	-	-	1.1	-	-	-
14	50.9	3.0	-	3.0	1.8	4.0	5.7	-	-	-	-	-
15	-	-	-	2.0	8.0	-	13.5	25.1	8.0	19.0	1.0	-
16	0.8	-	58.6	-	-	-	-	-	1.4	-	4.4	-
17	5.5	7.0	9.9	13.0	0.6	-	-	-	-	-	5.8	-
18	3.1	-	-	-	8.9	10.0	19.8	-	20.4	2.5	2.1	-
19	-	-	1.5	-	-	-	-	-	2.4	-	-	-
20	-	-	0.9	-	-	-	17.1	0.5	0.3	2.7	-	-
21	-	-	-	-	-	-	13.8	37.6	6.5	13.9	-	-
22	-	-	9.2	-	-	-	13.9	9.1	13.1	7.2	-	-
23	1.3	0.7	18.6	4.0	3.8	8.1	1.0	1.0	9.3	8.2	0.1	-
24	-	-	-	2.0	1.7	-	12.1	8.3	14.8	0.4	4.0	-
25	-	-	-	-	1.0	-	0.1	-	-	1.6	3.7	-
26	-	-	-	-	-	-	0.3	-	-	1.1	5.6	-
27	-	-	0.2	-	-	-	-	2.3	5.2	-	-	-
28	-	-	-	-	-	-	-	20.0	5.7	-	-	-
29	-	-	-	-	-	-	-	-	0.1	2.5	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

OFFICIAL PRECIPITATION DATA (MM)

DATE	IC 1	N 03	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 20	N 24	SF 1	SF 2	SF 3	SF 4	SF 5
1	-	3.0	4.2	0.8	6.0	8.7	0.8	2.4	0.7	1.0	4.9	2.3	0.2	-	-	2.2	-
2	-	-	-	-	4.9	0.7	-	2.9	9.0	-	-	3.6	3.3	-	-	-	-
3	0.4	-	-	-	1.1	1.5	-	13.0	27.4	0.5	-	3.0	-	1.3	-	-	-
4	-	16.2	7.6	17.5	20.0	16.4	6.0	1.8	0.6	0.9	3.1	7.1	-	8.1	10.7	10.1	2.3
5	-	-	-	-	-	0.2	0.2	0.1	1.9	1.9	3.1	-	-	-	9.5	13.4	6.1
6	0.2	21.0	13.6	8.5	70.5	79.5	13.0	11.5	1.4	3.4	1.8	28.2	-	2.8	-	2.4	0.1
7	-	13.0	12.2	19.0	46.2	10.7	14.1	13.5	10.6	11.6	29.3	9.0	-	-	-	-	0.6
8	-	39.5	15.5	53.7	30.8	9.0	25.3	12.0	4.2	5.9	13.6	14.0	-	-	-	-	-
9	-	6.1	0.3	2.4	11.3	7.3	1.3	3.4	8.4	2.7	-	12.0	0.5	1.2	-	-	14.9
10	-	1.0	4.6	2.0	6.0	4.1	0.4	3.6	7.6	1.3	-	13.0	-	0.1	0.4	-	0.1
11	2.8	0.5	1.8	0.7	0.2	1.4	-	2.5	4.0	0.4	-	2.7	-	16.7	0.7	-	0.3
12	5.0	-	-	-	-	-	-	-	0.9	-	-	-	-	26.1	28.2	25.0	1.3
13	4.4	8.0	7.5	5.0	-	-	-	-	-	0.2	-	-	-	-	1.2	-	-
14	2.2	4.8	12.8	1.5	4.5	9.2	11.7	-	-	8.7	17.1	-	5.5	-	-	-	-
15	2.0	-	-	-	-	-	-	-	-	10.0	7.0	-	13.0	24.0	8.4	18.0	1.1
16	5.0	10.0	10.7	24.3	19.0	33.0	1.5	6.8	0.2	7.8	8.9	51.6	-	0.4	1.9	0.2	4.7
17	0.9	5.6	9.0	7.0	4.4	12.1	4.2	13.9	5.1	6.5	4.4	9.6	-	-	-	-	5.3
18	8.2	-	-	-	-	-	-	1.0	1.5	2.3	-	0.1	21.4	0.1	19.1	2.9	3.6
19	5.6	-	-	-	-	-	-	1.8	3.7	-	-	2.0	-	-	3.0	-	0.1
20	1.1	-	-	-	-	2.0	-	-	1.5	-	-	1.2	16.3	0.8	0.5	2.9	-
21	3.9	-	-	-	-	-	-	-	4.7	-	-	-	14.5	36.3	6.5	13.6	-
22	0.1	-	-	-	-	-	-	1.3	0.4	-	-	6.9	14.4	8.6	13.1	7.2	-
23	1.9	0.5	4.5	1.0	2.6	12.5	-	17.5	8.9	10.0	-	20.8	1.2	1.2	10.0	7.7	0.1
24	0.1	-	-	-	-	0.6	-	3.0	1.1	0.9	1.0	-	12.4	8.4	14.9	0.8	4.5
25	2.0	-	-	-	-	-	-	-	0.5	-	-	-	0.3	0.2	-	1.9	4.1
26	0.1	-	-	-	-	-	-	-	0.1	-	-	-	0.3	-	-	1.3	5.8
27	1.6	-	-	-	-	-	-	0.1	-	-	-	0.1	-	2.3	4.8	-	-
28	21.7	-	-	-	-	-	-	0.1	2.0	-	-	0.1	-	20.0	6.7	0.1	-
29	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	2.6	-
30	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	8.7	-	-	-	-	-	-	0.1	2.0	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

CONCENTRATION OF SODIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20
1	-	-	0.9	1.1	5.1	1.2	0.9	0.5	1.6	0.6	2.4	0.7	0.9	0.7	-	0.5
2	-	-	-	-	-	-	0.6	3.5	-	0.3	0.3	-	-	-	-	-
3	-	-	-	-	-	-	-	7.2	-	0.5	-	1.6	0.5	0.7	-	-
4	-	0.4	0.5	0.5	0.3	1.2	0.6	0.6	0.9	5.4	-	0.7	0.3	1.2	-	0.6
5	-	-	-	-	-	-	-	4.8	-	-	0.5	2.2	-	0.5	-	2.1
6	-	1.8	1.1	2.3	3.7	3.8	0.1	0.2	1.0	0.3	0.4	0.9	-	-	0.5	6.8
7	-	0.2	0.3	0.3	1.0	0.9	0.1	0.8	0.2	0.2	0.2	0.3	0.4	0.8	0.4	0.3
8	-	0.2	0.2	0.9176.0		0.3	0.3	0.9	0.1	0.2	0.4	0.5	0.2	0.2	0.1	0.2
9	-	4.4	3.0	-	-	4.5	2.0	4.5	3.1	0.8	0.2	0.8	-	1.9	-	-
10	-	-	3.8	-	-	3.6	2.6	3.2	-	1.0	0.2	0.6	0.8	-	-	-
11	1.0	-	2.3	-	-	2.1	1.8	2.2	-	0.4	0.2	1.2	-	-	-	-
12	0.7	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-
13	4.3	1.4	0.6	-	0.1	0.3	-	-	-	-	-	-	-	-	0.7	-
14	8.0	0.2	0.2	0.2	0.1	1.0	0.3	0.2	0.2	-	-	0.2	0.1	0.3	-	0.3
15	5.0	-	-	-	-	-	-	-	-	-	-	0.3	0.1	0.2	0.1	0.5
16	1.2	0.3	0.3	0.2	0.3	1.8	0.2	0.4	4.4	0.3	3.3	0.2	0.2	-	-	0.4
17	-	0.4	0.1	0.7	0.8	1.0	1.3	2.2	0.2	0.2	0.4	0.3	0.2	-	-	0.9
18	4.0	-	-	-	-	-	-	-	-	0.5	1.0	0.4	-	-	-	-
19	32.0	-	-	-	-	-	-	-	-	0.8	0.3	-	-	-	-	-
20	4.5	-	-	-	-	-	-	2.0	-	-	1.0	-	-	-	-	-
21	12.0	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	1.6	5.9	-	-	-	-	-
23	10.5	0.7	0.3	2.0	0.1	0.7	1.3	0.5	-	0.3	-	0.3	1.0	-	-	-
24	-	-	-	-	-	-	-	3.5	-	0.4	1.0	1.2	-	-	-	2.0
25	3.0	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-
26	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.2	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

CONCENTRATION OF SODIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 21	N 22	N 23	N 24	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	1.0	-	0.4	0.8	-	-	-	0.0	-	0.3
2	-	-	-	1.6	0.2	-	-	-	-	-
3	-	-	-	7.5	-	-	-	-	-	-
4	0.9	2.0	1.5	0.7	-	0.0	0.0	0.0	0.0	-
5	1.1	2.1	-	-	-	-	0.0	0.0	0.0	-
6	1.0	3.5	2.4	0.6	-	0.2	-	0.1	0.1	0.2
7	0.4	2.3	1.0	0.4	-	-	-	-	-	-
8	0.2	0.7	1.2	0.5	-	-	-	-	-	-
9	-	18.9	-	3.8	-	0.3	-	-	0.0	-
10	-	-	-	4.4	-	-	-	-	-	-
11	-	-	-	5.5	-	0.0	-	-	-	-
12	-	-	-	-	-	0.0	0.0	0.0	-	-
13	-	-	37.2	-	-	-	0.4	-	-	-
14	0.2	0.8	6.0	-	0.4	-	-	-	-	-
15	0.3	-	-	-	0.1	0.0	0.0	0.0	0.5	-
16	0.2	10.4	-	-	-	-	0.2	-	0.0	-
17	0.4	7.7	8.0	-	-	-	-	-	0.0	-
18	-	5.6	-	-	0.2	-	0.0	0.1	-	-
19	6.6	-	-	1.7	-	-	0.1	-	-	-
20	-	-	-	-	0.1	-	-	0.0	-	-
21	-	-	-	-	0.1	0.0	0.0	0.0	-	-
22	-	-	-	-	0.1	0.0	0.1	0.1	-	-
23	-	4.6	13.3	-	0.1	-	0.1	0.1	-	-
24	0.5	-	-	-	0.0	0.1	0.1	-	0.1	-
25	-	-	-	-	-	-	-	0.3	0.1	-
26	-	-	-	-	-	-	-	-	0.1	-
27	-	-	-	1.6	-	0.1	0.1	-	-	-
28	-	-	-	7.5	-	0.0	0.0	-	-	-
29	-	-	-	-	-	-	-	0.0	-	-
30	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

CONCENTRATION OF MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	N 24	UK 1
1	-	0.10	0.21	0.59	0.15	0.02	0.03	0.12	0.05	0.15	0.10	0.08	0.03	-	0.05	0.05	-	0.06	0.04	0.04
2	-	-	-	-	-	0.04	0.20	-	0.05	0.03	-	-	-	-	-	-	-	-	0.18	-
3	-	-	-	-	-	-	0.77	-	0.05	0.02	0.08	0.03	0.04	-	-	-	-	-	0.85	-
4	0.05	0.06	0.05	0.51	0.19	0.04	0.07	0.08	0.22	-	0.10	0.04	0.11	-	0.03	0.11	0.27	0.22	0.09	-
5	-	-	-	-	-	-	0.21	-	-	0.05	0.09	-	0.01	-	0.06	0.03	0.27	-	-	-
6	0.24	0.15	0.28	1.15	0.45	0.02	0.04	0.14	0.03	0.03	0.06	-	-	0.09	0.10	0.04	0.46	1.40	0.09	0.03
7	0.03	0.05	0.04	0.44	0.15	0.02	0.11	0.03	0.02	0.02	0.04	0.07	0.12	0.10	0.02	0.02	1.20	0.21	0.06	-
8	0.04	0.04	0.05	0.14	0.05	0.06	0.02	0.03	0.02	0.04	0.06	0.02	0.02	0.04	0.01	0.02	0.15	0.23	0.06	-
9	0.57	0.36	-	-	0.61	0.24	0.51	0.40	0.10	0.03	0.02	-	0.15	-	-	-	2.15	-	0.47	-
10	-	0.40	-	1.90	0.45	0.29	0.36	-	0.13	0.02	0.06	0.08	-	-	-	-	-	-	0.54	-
11	-	0.24	-	-	0.30	0.10	0.20	-	0.03	0.01	0.04	-	-	-	-	-	-	-	0.73	-
12	-	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	-	-	-	-	-
13	0.69	0.26	-	0.11	0.06	-	-	-	-	-	-	-	-	0.10	-	-	-	5.36	-	-
14	0.04	0.09	0.04	0.05	0.18	0.02	0.04	0.33	-	-	0.02	0.02	0.02	-	0.15	0.02	0.10	0.71	-	-
15	-	-	-	-	-	-	-	-	-	-	0.02	0.01	0.01	0.02	0.01	0.01	-	-	-	-
16	0.04	0.11	0.03	1.25	0.24	0.02	0.06	0.14	0.05	0.30	0.04	0.01	-	-	0.04	0.03	0.53	-	0.06	-
17	0.04	0.11	0.05	0.81	0.13	0.06	0.25	0.02	0.02	0.03	0.01	0.01	0.03	-	0.02	0.01	0.84	0.90	0.35	-
18	-	-	-	-	-	-	-	-	0.06	0.13	0.01	-	0.01	-	-	-	0.60	-	-	-
19	-	-	-	-	-	-	-	-	0.12	0.04	-	-	-	-	-	0.10	-	-	0.33	-
20	-	-	-	-	-	-	0.20	-	-	0.12	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	0.45	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	0.23	0.49	-	-	-	-	-	-	-	-	0.03	-
23	0.04	0.06	-	0.08	0.08	0.15	0.10	-	0.05	0.03	0.02	0.03	0.09	-	-	-	0.84	1.40	0.09	-
24	-	-	-	-	-	-	0.37	-	0.05	0.06	0.02	-	0.02	-	0.16	0.02	-	-	-	-
25	-	-	-	-	-	-	-	-	-	0.16	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	0.40	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	-	-	-	0.35	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	*	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20
1	-	-	4.4	6.8	3.3	5.7	1.5	0.5	5.2	2.2	1.5	2.7	7.4	8.3	-	4.1
2	-	-	-	-	-	-	4.0	2.4	-	3.7	4.4	-	-	-	-	-
3	-	-	-	-	-	-	3.0	1.2	-	1.2	0.4	8.7	5.8	9.7	-	-
4	-	2.1	2.7	1.4	7.0	3.6	2.3	2.0	5.0	1.0	-	6.8	2.0	5.3	-	1.2
5	-	-	-	-	-	-	-	1.9	-	-	0.4	4.3	-	1.1	-	6.0
6	-	7.4	5.2	6.6	2.5	6.9	1.5	1.4	6.5	0.7	1.4	3.7	-	-	3.5	5.5
7	-	2.9	2.5	4.0	1.5	2.6	1.1	3.8	3.2	0.7	3.7	5.7	9.2	11.9	11.7	3.0
8	-	2.9	2.7	3.0	4.4	2.9	3.2	4.8	2.3	0.3	5.6	6.4	4.8	5.1	3.8	2.7
9	-	3.9	3.1	-	-	3.6	1.8	1.9	2.8	0.9	2.9	0.9	-	3.2	-	-
10	-	-	1.8	-	2.5	2.5	1.6	1.6	-	0.3	0.3	1.5	2.2	-	-	-
11	1.1	-	2.4	-	2.0	1.8	0.2	0.9	-	0.2	0.1	0.5	-	-	-	-
12	1.2	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	-
13	7.5	7.2	2.8	-	7.0	4.8	-	-	-	-	-	-	-	-	4.2	-
14	0.8	5.3	6.0	6.0	5.4	4.4	1.5	2.7	3.4	-	-	0.6	5.4	1.7	-	2.0
15	1.5	-	-	-	-	-	-	-	-	-	-	0.5	0.8	2.4	3.4	0.7
16	1.1	1.1	1.1	0.9	2.3	2.0	0.6	1.0	3.8	0.5	0.3	3.6	0.7	-	-	1.8
17	-	3.4	0.2	0.0	0.6	0.2	0.2	0.5	0.4	0.0	0.4	0.2	0.6	1.0	-	0.3
18	0.1	-	-	-	-	-	-	-	-	0.1	0.1	0.2	-	0.2	-	-
19	2.0	-	-	-	-	-	-	-	-	0.2	0.1	-	-	-	-	-
20	0.0	-	-	-	-	-	-	3.0	-	-	0.1	-	-	-	-	-
21	0.0	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	0.6	0.6	-	-	-	-	-
23	0.0	0.1	0.0	0.4	1.6	0.2	0.9	0.3	-	0.0	0.1	0.3	1.4	2.1	-	-
24	-	-	-	-	-	-	-	1.2	-	0.2	0.3	0.4	-	0.9	-	0.6
25	0.4	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-
26	6.4	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-
27	4.1	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-
28	3.1	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	-
29	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	1.2	-	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-
31	1.4	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	**	**	**	**						*	*	*	*	*	*
DATE	N 21	N 22	N 23	N 24	S 01	S 02	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	3.7	-	4.8	1.5	14.8	-	-	2.9	-	-	-	-	4.1	-	10.3
2	-	-	-	3.9	5.0	7.1	-	1.1	-	1.9	-	-	-	-	-
3	-	-	-	1.5	4.8	7.1	6.4	2.4	2.4	-	2.6	-	-	-	-
4	2.1	12.0	3.0	2.7	-	7.1	1.4	-	-	-	1.8	4.9	0.8	4.7	-
5	1.8	11.3	-	0.9	6.0	7.1	-	-	3.7	-	-	2.2	1.6	4.5	-
6	4.7	16.3	5.4	2.4	-	7.1	-	-	1.2	-	1.7	-	3.8	2.9	1.3
7	4.2	34.1	5.1	2.0	-	7.1	-	-	-	-	-	-	-	-	-
8	3.6	11.1	2.2	2.4	-	7.1	3.1	-	-	-	-	-	-	-	-
9	-	22.5	-	3.4	-	5.0	5.3	5.0	3.0	3.0	8.6	-	-	4.7	-
10	-	-	-	2.2	-	5.0	-	-	-	-	-	-	-	-	-
11	-	-	-	1.4	2.2	5.0	-	-	-	-	0.8	12.5	-	-	-
12	-	-	-	-	-	5.0	-	-	-	-	1.6	3.5	0.4	1.4	-
13	-	-	17.3	-	-	5.0	3.0	-	-	-	-	2.1	-	-	-
14	1.8	5.1	11.7	-	4.3	5.0	2.3	8.0	2.9	5.4	-	-	-	-	-
15	0.9	-	-	-	12.9	5.0	-	1.1	-	4.1	3.8	5.7	2.3	3.3	-
16	2.0	26.5	-	0.5	-	5.6	7.5	-	-	-	-	7.6	-	2.3	-
17	0.8	3.3	2.6	0.1	3.4	5.6	1.9	6.7	-	-	-	-	-	2.7	-
18	-	0.7	-	-	-	5.6	-	4.5	0.4	3.8	-	2.6	8.0	-	-
19	0.9	-	-	1.9	-	5.6	-	-	-	-	-	5.9	-	-	-
20	-	-	-	1.0	-	5.6	-	-	-	2.6	2.3	4.4	3.0	-	-
21	-	-	-	-	-	-	-	-	-	3.9	3.5	2.1	2.7	-	-
22	-	-	-	0.4	-	-	0.2	-	-	3.2	3.0	4.8	2.4	-	-
23	-	5.3	3.4	0.2	4.2	6.5	-	0.1	0.2	1.7	4.5	7.8	4.1	-	-
24	0.2	-	-	-	2.5	6.5	-	0.0	-	2.0	0.6	1.7	3.3	2.0	-
25	-	-	-	-	-	-	-	3.8	-	-	-	-	2.4	1.2	-
26	-	-	-	-	-	-	-	-	-	-	-	-	3.5	0.8	-
27	-	-	-	1.2	-	-	-	-	-	-	2.7	2.6	-	-	-
28	-	-	-	-	-	-	-	-	-	-	1.4	1.5	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

PH IN PRECIPITATION

DATE	D 01	D 02	D 03	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17
1	4.10	-	5.00	-	-	4.00	4.80	5.25	5.91	5.00	5.70	4.30	5.65	6.40	6.51	3.90
2	-	3.90	3.80	-	-	-	-	-	-	4.30	5.90	-	4.25	4.25	-	-
3	-	-	4.30	-	-	-	-	-	-	-	6.00	-	5.80	5.15	6.61	4.02
4	4.10	-	-	-	4.38	4.10	5.20	4.16	4.18	4.35	4.40	3.85	6.50	-	4.00	4.50
5	-	4.40	-	-	-	-	-	-	-	-	6.95	-	-	5.25	6.10	-
6	-	-	-	-	3.90	4.00	4.10	4.40	3.90	4.60	4.70	4.00	4.95	4.70	5.35	-
7	4.20	-	-	-	4.35	4.35	4.20	4.85	4.60	4.65	4.20	4.30	4.75	4.25	4.05	3.85
8	4.30	4.30	-	-	4.40	4.30	4.50	4.20	4.30	4.25	4.20	4.40	5.50	4.05	4.15	4.10
9	-	-	-	-	4.25	4.10	-	-	4.20	4.55	5.05	4.45	6.15	4.40	6.00	-
10	4.20	-	4.40	-	-	4.90	-	4.50	4.90	4.65	5.05	-	5.80	4.95	5.40	4.35
11	-	3.80	-	6.04	-	5.85	-	5.65	6.25	-	6.25	-	6.15	5.40	6.50	-
12	-	-	4.20	5.47	-	-	-	-	-	-	-	-	-	5.95	-	-
13	-	5.00	4.30	5.76	3.90	7.30	-	3.95	4.40	-	-	-	-	-	-	-
14	-	4.10	4.00	6.05	4.10	4.40	4.05	4.00	5.90	5.15	4.70	4.20	-	-	5.55	4.05
15	-	-	3.80	6.80	-	-	-	-	-	-	-	-	-	-	5.60	4.80
16	-	-	4.20	5.03	4.75	5.95	5.60	4.70	4.65	5.20	4.95	6.00	5.80	6.35	4.40	5.10
17	4.10	4.30	4.40	-	4.40	5.75	5.70	6.05	5.75	5.65	5.80	5.30	5.75	5.45	6.00	4.85
18	4.40	-	4.20	5.74	-	-	-	-	-	-	-	-	6.15	5.60	5.90	-
19	-	-	3.90	5.90	-	-	-	-	-	-	-	-	6.05	5.45	-	-
20	4.10	-	-	5.53	-	-	-	-	-	-	6.00	-	-	6.00	-	-
21	4.20	-	-	5.85	-	-	-	-	-	-	-	-	-	5.20	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	6.00	6.40	-	-
23	-	-	-	6.40	6.40	6.15	6.85	6.05	6.25	6.30	5.80	-	5.35	5.30	5.80	5.05
24	-	-	-	-	-	-	-	-	-	-	6.35	-	5.60	6.40	6.40	-
25	-	-	-	5.85	-	-	-	-	-	-	-	-	-	6.80	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	3.80	5.30	-	-	-	-	-	-	-	-	6.45	-	-	-
28	-	-	-	4.30	-	-	-	-	-	-	-	-	-	5.60	-	-
29	-	-	-	5.00	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	5.09	-	-	6.70	-	-	-	-	-	-	-	-	-
31	-	-	-	5.70	-	-	-	-	-	-	-	-	-	5.35	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

PH IN PRECIPITATION

DATE	N 18	N 19	N 20	N 21	N 22	N 23	N 24	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	3.90	-	4.22	4.55	-	4.00	5.35	-	-	-	7.60	-	4.20
2	-	-	-	-	-	-	5.25	6.30	-	-	-	-	-
3	3.90	-	-	-	-	-	5.90	-	8.05	-	-	-	-
4	4.20	-	4.53	4.50	3.65	4.10	5.25	-	4.71	6.31	5.06	8.14	-
5	4.65	-	6.00	5.30	3.65	-	-	-	-	5.32	5.70	7.73	-
6	-	4.30	6.15	4.25	3.50	4.00	4.30	-	5.84	-	4.41	7.43	4.30
7	3.85	3.85	4.40	4.35	3.20	4.00	4.10	-	-	-	-	-	-
8	4.20	4.25	4.40	4.40	3.75	4.45	4.30	-	-	-	-	-	-
9	4.50	-	-	-	3.40	-	4.60	-	8.30	-	-	6.82	-
10	-	-	-	-	-	-	5.15	-	-	-	-	-	-
11	-	-	-	-	-	-	5.50	-	6.44	-	-	-	-
12	-	-	-	-	-	-	-	-	5.18	7.12	6.18	-	-
13	-	4.50	-	-	-	3.65	-	-	-	7.02	-	-	-
14	4.50	-	4.45	4.55	4.06	3.95	-	6.48	-	-	-	-	-
15	4.20	4.40	5.60	4.95	-	-	-	6.16	5.11	5.69	6.50	-	-
16	-	-	4.85	4.55	3.45	-	5.35	-	-	8.19	-	6.88	-
17	4.70	-	5.95	5.15	4.00	4.70	5.35	-	-	-	-	7.41	-
18	5.70	-	-	-	4.60	-	-	7.55	-	6.59	3.94	-	-
19	-	-	-	6.70	-	-	-	-	-	8.31	-	-	-
20	-	-	-	-	-	-	-	5.82	-	-	7.00	-	-
21	-	-	-	-	-	-	-	5.57	6.22	5.95	5.89	-	-
22	-	-	-	-	-	-	5.35	5.18	4.83	6.77	6.02	-	-
23	5.70	-	-	-	5.05	6.30	5.25	6.93	6.90	7.10	6.32	-	-
24	5.80	-	6.60	5.50	-	-	-	4.97	6.35	5.20	-	6.63	-
25	-	-	-	-	-	-	-	-	-	-	6.11	5.97	-
26	-	-	-	-	-	-	-	-	-	-	6.93	6.78	-
27	-	-	-	-	-	-	-	-	5.79	6.80	-	-	-
28	-	-	-	-	-	-	-	-	6.17	7.04	-	-	-
29	-	-	-	-	-	-	-	-	-	-	5.23	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	D 01	D 02	D 03	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21
1	*80	-	*10	-	-	70	10	1	-21	3	-11	40	-8	-87	-50	108	165	-	61	19
2	-	*120	*160	-	-	-	-	-	-	47	-63	-	66	59	-	-	-	-	-	-
3	-	-	*50	-	-	-	-	-	-	45	-47	-	-9	6	-105	102	154	-	-	-
4	*80	-	-	-	39	57	-3	79	71	43	31	102	-269	-	102	31	66	-	29	19
5	-	*40	-	-	-	-	-	-	-	-	-180	-	-	4	-59	-	22	-	-16	0
6	-	-	-	-	122	85	64	43	112	23	18	93	13	15	3	-	-	55	-68	35
7	*60	-	-	-	40	36	50	13	26	18	59	47	14	57	95	129	167	163	41	42
8	*50	*50	-	-	35	40	29	66	49	51	55	34	-1	93	72	54	66	54	37	35
9	-	-	-	-	52	61	-	-	58	19	2	29	-46	33	-28	-	33	-	-	-
10	*60	-	*40	-	-	-2	-	26	-1	15	2	-	-20	1	1	12	-	-	-	-
11	-	*160	-	NEG	-	NEG	-	-20	-147	-	-90	-	-46	-3	-122	-	-	-	-	-
12	-	-	*60	NEG	-	-	-	-	-	-	-	-	-	-30	-	-	-	-	-	-
13	-	*10	*50	NEG	92	-736	-	111	31	-	-	-	-	-	-	-	-	31	-	-
14	-	*80	*100	NEG	87	46	82	78	-84	-1	14	55	-	-	-17	79	32	-	36	27
15	-	-	*160	NEG	-	-	-	-	-	-	-	-	-	-	-8	10	71	42	-16	7
16	-	-	*60	NEG	14	-33	-10	20	17	-1	4	-96	-20	NEG	37	4	-	-	11	28
17	*80	*50	*40	-	43	-13	-23	-19	-18	-39	-14	-1	-3	-14	-20	-1	14	-	-38	3
18	*40	-	*60	NEG	-	-	-	-	-	-	-	-	-22	-18	-22	-	-6	-	-	-
19	-	-	*120	NEG	-	-	-	-	-	-	-	-	-16	-5	-	-	-	-	-	-228
20	*80	-	-	NEG	-	-	-	-	-	-	-76	-	-	-16	-	-	-	-	-	-
21	*60	-	-	NEG	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-54	NEG	-	-	-	-	-	-
23	-	-	-	NEG	-34	-198	-176	-22	-70	-155	-24	-	-1	-6	-8	-21	-2	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-60	-	-1	-20	-110	-	-1	-	-120	-7
25	-	-	-	NEG	-	-	-	-	-	-	-	-	-	NEG	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	*160	NEG	-	-	-	-	-	-	-	-	NEG	-	-	-	-	-	-	-
28	-	-	-	*50	-	-	-	-	-	-	-	-	-	-14	-	-	-	-	-	-
29	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	NEG	-	-	-328	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-5	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	N 22	N 23	N 24	S 01	S 02	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	75	-19	70	-	-	23	-	-	-	-	NEG	-	44
2	-	-	-5	77	29	-	16	-	NEG	-	-	-	-	-
3	-	-	-13	21	29	73	14	50	-	NEG	-	-	-	-
4	257	60	2	-	29	45	-	-	-	16	NEG	10	NEG	-
5	256	-	-	0	29	-	-	80	-	-	8	4	NEG	-
6	238	70	56	-	29	-	-	34	-	5	-	34	NEG	25
7	620	85	81	-	29	-	-	-	-	-	-	-	-	-
8	185	32	37	-	29	0	-	-	-	-	-	-	-	-
9	416	-	31	-	59	60	33	65	-	NEG	-	-	NEG	-
10	-	-	4	-	59	-	-	-	-	-	-	-	-	-
11	-	-	-8	0	59	-	-	-	-	NEG	-	-	-	-
12	-	-	-	-	59	-	-	-	-	11	NEG	NEG	-	-
13	-	200	-	-	59	0	-	-	-	-	NEG	-	-	-
14	97	104	-	0	59	41	0	50	NEG	-	-	-	-	-
15	-	-	-	29	59	-	0	-	NEG	10	NEG	NEG	-	-
16	340	-	-4	-	72	0	-	-	-	-	NEG	-	NEG	-
17	20	21	-6	0	72	18	0	-	-	-	-	-	NEG	-
18	11	-	-	-	72	-	0	0	NEG	-	NEG	126	-	-
19	-	-	0	-	72	-	-	-	-	-	NEG	-	-	-
20	-	-	0	-	-	-	-	-	NEG	-	-	NEG	-	-
21	-	-	-	-	-	-	-	-	NEG	NEG	NEG	5	-	-
22	-	-	-1	-	-	0	-	-	NEG	13	NEG	NEG	-	-
23	10	-54	-1	0	0	-	0	0	NEG	NEG	NEG	NEG	-	-
24	-	-	-	0	-	-	0	-	12	NEG	5	-	NEG	-
25	-	-	-	-	-	-	0	-	-	-	-	NEG	NEG	-
26	-	-	-	-	-	-	-	-	-	-	-	NEG	NEG	-
27	-	-	-	-	-	-	-	-	-	8	NEG	-	-	-
28	-	-	-	-	-	-	-	-	-	NEG	NEG	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	4	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	D 01	D 02	D 03	DK 2	DK 3	DK 5	IC 1	N 01	N 03	N 09	N 21	N 22	N 23	NL 1	NL 2	NL 3
1	10	2	-	-	-	-	2	0	12	9	24	17	27	7	5	13
2	7	0	-	-	-	-	4	0	5	8	7	17	8	6	6	0
3	3	2	0	-	-	-	0	0	13	4	9	7	6	5	1	1
4	3	4	-	-	-	-	0	0	11	3	7	11	8	22	8	10
5	8	9	-	-	-	-	5	8	7	0	8	8	8	5	9	2
6	8	8	0	-	-	-	4	5	3	0	18	8	8	8	17	7
7	11	52	0	-	-	57	-	12	5	0	2	42	22	14	22	11
8	5	3	0	-	-	26	2	10	0	2	2	5	0	11	17	3
9	15	4	0	-	-	11	0	11	0	0	1	4	2	19	8	1
10	14	0	0	-	-	51	2	10	0	0	0	4	0	18	10	7
11	3	7	0	-	-	14	6	10	0	0	2	5	0	9	5	7
12	6	3	0	-	-	11	14	2	1	0	3	7	0	28	16	17
13	2	44	0	-	-	17	19	-	2	0	6	18	0	18	12	35
14	3	0	0	-	-	-	8	-	1	0	12	11	4	12	7	9
15	1	-	-	-	-	-	5	-	3	7	12	36	0	4	4	4
16	6	0	1	-	-	-	5	-	1	2	7	6	2	0	1	14
17	18	10	1	-	-	-	3	-	0	3	5	3	3	13	9	7
18	10	6	1	-	-	-	10	3	0	4	4	3	3	4	0	1
19	3	0	1	-	-	-	5	1	20	2	5	5	12	2	0	0
20	4	0	2	-	-	-	5	2	10	0	5	13	4	17	0	9
21	17	1	0	10	12	12	5	3	0	2	7	6	4	1	0	2
22	12	0	7	75	6	9	4	0	6	2	6	12	2	2	0	2
23	15	2	8	10	12	6	5	0	5	1	11	4	0	2	3	5
24	19	0	2	7	12	12	6	1	9	1	3	5	0	5	2	1
25	15	1	7	10	12	6	5	0	7	0	4	11	3	3	2	2
26	15	1	5	7	6	6	6	2	14	-	4	17	5	1	2	2
27	12	2	2	14	12	6	6	3	9	-	3	13	3	3	4	3
28	13	4	1	12	10	9	5	3	11	-	12	-	6	6	5	5
29	15	1	3	8	10	9	7	3	13	0	12	23	6	15	9	9
30	20	0	6	20	7	12	3	2	7	4	7	29	6	17	6	4
31	17	0	3	12	10	18	-	0	12	3	8	28	6	3	4	3

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	S 01	S 02	S 03	S 04	S 05	SF 2	SF 5	UK 1
1	0	0	0	0	0	-	-	23
2	0	0	0	0	0	-	-	47
3	52	0	0	0	0	-	-	18
4	0	-	0	0	0	-	-	5
5	0	-	0	0	0	-	-	8
6	0	-	0	0	0	-	-	5
7	0	0	0	0	0	25	12	9
8	0	0	0	0	0	19	19	3
9	0	0	0	0	0	11	15	12
10	0	0	0	0	0	19	8	31
11	0	0	0	0	0	25	0	31
12	0	0	0	0	0	0	0	21
13	0	0	0	0	0	0	0	10
14	0	0	0	0	40	11	0	21
15	0	0	0	0	0	23	0	13
16	0	0	0	0	0	6	0	43
17	0	0	0	0	0	11	0	32
18	0	0	0	0	0	6	0	40
19	0	0	0	3	0	14	0	82
20	0	0	0	0	0	11	0	24
21	0	0	0	0	0	17	23	13
22	0	0	0	0	0	14	0	24
23	0	0	0	4	0	17	0	-
24	0	0	0	0	0	13	10	93
25	0	0	0	0	-	11	0	34
26	0	0	3	0	0	26	0	-
27	0	0	0	0	0	11	0	-
28	0	0	34	0	0	21	10	-
29	0	0	34	0	0	15	9	-
30	0	0	4	28	0	5	10	-
31	0	0	0	22	0	29	7	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	IC 1	NL 1	NL 2	NL 3	S 03	S 04	S 05	SF 2	SF 5	UK 1
1	0.5	10.0	12.5	12.5	10.9	12.2	7.7	-	-	4.0
2	0.2	15.0	12.5	12.5	12.7	4.1	5.0	-	-	4.0
3	0.2	7.5	7.5	5.0	9.8	7.6	2.4	-	-	6.0
4	-	20.0	12.5	25.0	0.1	1.1	0.0	-	-	3.0
5	0.0	15.0	10.0	7.5	3.7	3.2	1.0	-	-	3.0
6	0.2	15.0	10.0	10.0	2.7	1.9	0.6	-	-	3.0
7	-	17.5	15.0	12.5	12.2	9.0	10.3	19.0	8.0	3.0
8	0.0	10.0	10.0	10.0	15.2	7.9	14.5	13.8	4.6	1.0
9	0.5	12.5	10.0	5.0	4.9	5.0	5.5	14.0	7.6	2.0
10	0.5	12.5	10.0	5.0	3.1	3.6	1.3	10.6	6.0	4.0
11	0.2	7.5	10.0	7.5	1.3	1.4	0.0	8.4	1.7	8.0
12	0.0	35.0	25.0	25.0	1.0	0.0	0.1	2.2	1.1	11.0
13	0.0	47.5	42.5	70.0	0.7	0.5	0.0	1.9	3.4	9.0
14	0.0	35.0	27.5	20.0	3.0	1.8	0.6	3.9	1.6	13.0
15	0.0	10.0	10.0	17.5	10.0	3.0	3.1	4.8	1.9	7.0
16	0.0	7.5	5.0	17.5	3.1	3.1	2.5	5.0	3.2	11.0
17	1.4	20.0	17.5	12.5	4.7	8.5	1.1	8.7	3.3	5.0
18	0.7	2.5	15.0	2.5	1.0	1.8	0.0	20.3	1.5	4.0
19	1.9	2.5	0.0	2.5	1.1	0.5	0.2	8.7	0.3	8.0
20	1.0	20.0	7.5	15.0	1.2	1.8	0.0	8.8	1.1	5.0
21	1.7	2.5	2.5	2.5	1.3	-	0.0	9.1	0.4	4.0
22	2.2	2.5	2.5	2.5	1.6	0.5	0.4	1.9	0.4	9.0
23	0.5	7.5	2.5	5.0	0.6	0.2	0.4	4.6	0.6	-
24	2.6	10.0	2.5	2.5	0.1	0.1	0.0	2.3	0.8	11.0
25	0.5	5.0	2.5	5.0	0.0	0.4	0.1	1.2	1.4	12.0
26	0.7	2.5	7.5	2.5	0.0	0.1	0.4	2.6	1.3	2.0
27	1.4	7.5	10.0	7.5	0.1	0.8	1.1	2.9	2.7	2.0
28	4.3	12.5	10.0	7.5	0.2	0.0	1.7	2.7	1.3	5.0
29	1.0	15.0	12.5	10.0	1.9	2.8	0.5	2.2	0.4	6.0
30	0.5	17.5	10.0	12.5	1.6	0.5	1.0	0.6	0.3	5.0
31	0.0	7.5	10.0	10.0	1.9	1.7	0.5	3.4	1.0	6.0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20
1	-	-	13	13	14	5	9	4	4	5	1	3	25	19	-	20
2	-	-	-	-	-	-	20	2	-	11	40	-	-	-	-	-
3	-	-	-	-	-	-	3	2	-	16	11	4	10	35	-	-
4	-	37	44	18	53	63	46	33	30	2	-	6	25	19	-	4
5	-	-	-	-	-	-	-	0	-	-	1	8	-	29	-	19
6	-	68	109	34	34	59	106	111	85	8	2	13	-	-	53	10
7	-	100	33	90	18	49	51	41	45	9	39	66	40	54	679	88
8	-	69	107	66	68	156	99	43	58	4	24	38	100	88	115	37
9	-	9	19	-	-	9	20	14	4	3	24	2	-	20	-	-
10	-	-	2	-	11	5	10	7	-	1	2	2	5	-	-	-
11	3	-	1	-	4	1	0	1	-	1	0	0	-	-	-	-
12	6	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
13	33	34	22	-	53	24	-	-	-	-	-	-	-	-	19	-
14	2	35	29	136	69	7	7	25	40	-	-	5	63	37	-	34
15	3	-	-	-	-	-	-	-	-	-	-	5	15	28	77	5
16	5	8	11	3	25	49	11	33	6	3	0	28	4	-	-	16
17	-	8	1	-	5	1	1	6	2	-	2	1	13	20	-	1
18	1	-	-	-	-	-	-	-	-	0	0	0	-	3	-	-
19	11	-	-	-	-	-	-	-	-	0	0	-	-	-	-	-
20	-	-	-	-	-	-	-	6	-	-	0	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	1	0	-	-	-	-	-
23	-	0	-	0	7	0	2	4	-	-	1	3	2	3	-	-
24	-	-	-	-	-	-	-	1	-	1	0	0	-	1	-	1
25	1	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
26	1	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
27	7	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-
28	67	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
29	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
31	13	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 21	N 22	N 23	N 24	S 01	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	17	-	241	3	22	55	-	-	-	-	9	-	181
2	-	-	-	14	100	4	-	6	-	-	-	-	-
3	-	-	-	5	43	14	37	-	3	-	-	-	-
4	10	229	80	19	-	-	-	-	15	52	8	11	-
5	9	117	-	-	6	-	9	-	-	21	21	27	-
6	38	93	14	68	-	-	2	-	5	-	9	0	1
7	84	163	146	18	-	-	-	-	-	-	-	-	-
8	44	159	47	34	-	-	-	-	-	-	-	-	-
9	-	70	-	41	-	36	14	5	10	-	-	70	-
10	-	-	-	29	-	-	-	-	-	-	-	-	-
11	-	-	-	4	59	-	-	-	13	9	-	-	-
12	-	-	-	-	-	-	-	-	42	99	10	2	-
13	-	-	16	-	-	-	-	-	-	3	-	-	-
14	33	260	35	-	13	14	12	30	-	-	-	-	-
15	5	-	-	-	26	9	-	53	91	48	41	4	-
16	11	21	-	26	-	-	-	-	-	15	-	11	-
17	7	18	18	1	44	4	-	-	-	-	-	14	-
18	-	2	-	-	-	40	4	82	-	50	23	-	-
19	1	-	-	4	-	-	-	-	-	18	-	-	-
20	-	-	-	1	-	-	-	42	2	2	9	-	-
21	-	-	-	-	-	-	-	13	127	14	37	-	-
22	-	-	-	3	-	-	-	3	26	63	17	-	-
23	-	7	2	4	17	0	2	2	5	78	31	-	-
24	1	-	-	-	5	-	-	25	5	25	3	9	-
25	-	-	-	-	-	4	-	-	-	-	5	5	-
26	-	-	-	-	-	-	-	-	-	-	5	4	-
27	-	-	-	0	-	-	-	-	6	12	-	-	-
28	-	-	-	-	-	-	-	-	28	10	-	-	-
29	-	-	-	-	-	-	-	-	-	-	5	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	D 01	D 02	D 03	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21
1	*120	-	NEG	-	-	210	19	4	-17	18	-96	32	-19	-61	-50	364	378	-	299	88
2	-	-	-	-	-	-	-	-	-	230	-44	-	191	531	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	50	-71	-	-117	164	-53	175	549	-	-	-
4	*96	-	-	-	683	923	-38	600	1243	860	508	612	-484	-	92	407	231	-	90	91
5	-	-	-	-	-	-	-	-	-	-	-36	-	-	8	-112	-	588	-	-50	NEG
6	-	-	-	-	1126	1785	334	585	952	1622	1431	1209	150	21	10	-	-	840	-122	281
7	*264	-	-	-	1375	468	1130	159	494	832	631	663	189	604	1102	567	755	9459	1201	842
8	*40	-	-	-	836	1580	637	1023	2631	1571	495	860	-12	391	425	1121	1134	1629	503	423
9	-	-	-	-	116	372	-	-	139	215	15	38	-156	277	-76	-	210	-	-	-
10	*132	-	-	-	-	-2	-	120	-2	90	8	-	-72	8	1	30	-	-	-	-
11	-	-	-	NEG	-	NEG	-	-36	-103	-	-126	-	-115	-12	-49	-	-	-	-	-
12	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-27	-	-	-	-	-	-
13	-	NEG	-	NEG	439	-5888	-	833	155	-	-	-	-	-	-	-	-	142	-	-
14	-	-	-	NEG	582	221	1853	998	-126	-5	129	643	-	-	-148	915	693	-	616	494
15	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-	-80	202	814	947	-112	42
16	-	-	-	NEG	107	-330	-30	214	413	-19	132	-144	-136	NEG	289	22	-	-	98	160
17	*400	-	-	-	96	-73	-123	-171	-126	-172	-169	-4	-42	-71	-130	-22	274	-	-167	25
18	*12	-	-	NEG	-	-	-	-	-	-	-	-	-22	-27	-51	-	-76	-	-	-
19	-	-	-	NEG	-	-	-	-	-	-	-	-	-29	-19	-	-	-	-	-	-181
20	*88	-	-	NEG	-	-	-	-	-	-	-152	-	-	-24	-	-	-	-	-	-
21	*6	-	-	NEG	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-70	NEG	-	-	-	-	-	-
23	-	-	-	NEG	-22	-99	-67	-99	-70	-403	-300	-	-18	-53	-80	-29	-3	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-36	-	-3	-22	-99	-	-2	-	-120	-22
25	-	-	-	NEG	-	-	-	-	-	-	-	-	-	NEG	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	NEG	-	-	-	-	-	-	-	-	NEG	-	-	-	-	-	-	-
28	-	-	-*	1088	-	-	-	-	-	-	-	-	-	-28	-	-	-	-	-	-
29	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	NEG	-	-	-230	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	NEG	-	-	-	-	-	-	-	-	-	-10	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA AUGUST 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	N 22	N 23	N 24	S 01	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	3760	-44	105	432	-	-	-	-	NEG	-	774
2	-	-	-18	1540	64	-	NEG	-	-	-	-	-
3	-	-	-39	189	81	775	-	NEG	-	-	-	-
4	4908	1604	14	-	-	-	-	130	NEG	101	NEG	-
5	2648	-	-	-	-	200	-	-	76	54	NEG	-
6	1364	187	1579	-	-	51	-	14	-	82	NEG	15
7	2960	2435	729	-	-	-	-	-	-	-	-	-
8	2650	689	518	-	-	-	-	-	-	-	-	-
9	1298	-	372	-	198	312	-	NEG	-	-	NEG	-
10	-	-	52	-	-	-	-	-	-	-	-	-
11	-	-	-22	-	-	-	-	NEG	-	-	-	-
12	-	-	-	-	-	-	-	287	NEG	NEG	-	-
13	-	185	-	-	-	-	-	-	NEG	-	-	-
14	4940	311	-	-	-	200	NEG	-	-	-	-	-
15	-	-	-	58	-	-	NEG	240	NEG	NEG	-	-
16	271	-	-206	-	-	-	-	-	NEG	-	NEG	-
17	110	147	-58	-	-	-	-	-	-	-	NEG	-
18	34	-	-	-	-	-	NEG	-	NEG	365	-	-
19	-	-	-	-	-	-	-	-	NEG	-	-	-
20	-	-	-	-	-	-	NEG	-	-	NEG	-	-
21	-	-	-	-	-	-	NEG	NEG	NEG	68	-	-
22	-	-	-7	-	-	-	NEG	112	NEG	NEG	-	-
23	13	-40	-21	-	-	-	NEG	NEG	NEG	NEG	-	-
24	-	-	-	-	-	-	149	NEG	74	-	NEG	-
25	-	-	-	-	-	-	-	-	-	NEG	NEG	-
26	-	-	-	-	-	-	-	-	-	NEG	NEG	-
27	-	-	-	-	-	-	-	18	NEG	-	-	-
28	-	-	-	-	-	-	-	NEG	NEG	-	-	-
29	-	-	-	-	-	-	-	-	-	10	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-

NORWEGIAN INSTITUTE FOR AIR RESEARCH

LRTAP GROUND SAMPLING STATIONS

MONTHLY SUMMARY OF RESULTS - SEPTEMBER 1972

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS							
NR	CODE	NAME	FUNCTION	LAT.			LONG.				ALT.
1	D 01	WESTERLAND	P	54	56	N	8	19	E		3
2	DK 2	HANSTHOLM	A	57	07	N	8	36	E		46
3	DK 3	TANGE	A	56	21	N	9	36	E		13
4	DK 5	KELDSNOR	A	54	44	N	10	44	E		8
5	IC 1	RJUPNAHÆD	PA	64	05	N	21	51	W		120
6	N 01	BIRKELAND	PA	58	23	N	8	15	E		190
7	N 03	FINSLAND	PA	58	19	N	7	35	E		275
8	N 05	GJERSTAD	P	58	53	N	8	57	E		240
9	N 06	LISTA	P	58	06	N	6	34	E		13
10	N 07	MANDAL	P	58	03	N	7	27	E		138
11	N 08	SKREÅDALEN	P	58	49	N	6	43	E		475
12	N 09	SØYLAND	PA	58	41	N	5	59	E		263
13	N 10	TOVDAL	P	58	48	N	8	14	E		227
14	N 14	SKEI I JØLSTER	P	61	34	N	6	29	E		205
15	N 15	TUSTERVATN	P	65	50	N	13	55	E		439
16	N 16	TÅGMYRA	P	61	25	N	12	04	E		536
17	N 17	KJELLER	P	59	59	N	11	03	E		120
18	N 18	LØKEN	P	59	48	N	11	27	E		150
19	N 19	BISLINGEN	P	60	14	N	10	37	E		680
20	N 20	GRIMELID	P	60	08	N	9	35	E		367
21	N 21	NOREFJELL	PA	60	13	N	9	31	E		810
22	N 22	VASSER	PA	59	04	N	10	25	E		35
23	N 23	LYNGØR	PA	58	38	N	9	04	E		20
24	N 24	FITJAR	P	59	55	N	5	19	E		20
25	NL 1	WAGENINGEN	A	51	58	N	5	38	E		7
26	NL 2	WITTEVEN	A	52	49	N	6	40	E		17
27	NL 3	DEN HELDER	A	52	55	N	4	47	E		0
28	S 01	EKERØD	PA	55	54	N	13	43	E		135
29	S 02	RÅÖ	PA	57	23	N	11	55	E		5
30	S 03	SJÖÄNGEN	PA	58	46	N	14	18	E		125
31	S 04	RYDA KUNGSGÅRD	PA	59	46	N	17	05	E		30
32	S 05	BREDKÄLEN	PA	63	51	N	15	17	E		405
33	SF 1	JOMALA	P	60	11	N	19	53	E		15
34	SF 2	JOKIOINEN	PA	60	49	N	23	30	E		104
35	SF 3	PUUMALA	P	61	34	N	29	04	E		120
36	SF 4	ÄHTÄRI	P	62	31	N	24	13	E		154
37	SF 5	SODANKYLÄ	PA	67	22	N	26	39	E		178
38	UK 1	COTTERED	PA	51	58	N	0	06	W		

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	0.1	1.7	-	-	-	-	-	-	-	-	-	19.4	-	-	-	-	-	-	-	-
2	-	1.8	-	-	-	-	-	-	2.2	-	5.8	24.3	-	-	-	-	-	-	-	-
3	-	24.0	-	-	-	-	-	-	-	-	1.8	11.9	-	-	-	-	-	-	-	-
4	-	11.1	-	-	-	-	-	-	-	-	4.1	2.0	-	-	-	-	-	-	-	-
5	0.1	-	-	-	-	-	-	-	2.9	-	3.4	15.9	-	-	-	-	-	-	-	-
6	-	-	4.8	5.0	1.6	0.8	1.8	5.0	3.8	2.9	8.1	11.5	-	-	-	-	-	1.6	-	0.4
7	0.7	-	0.3	1.5	1.0	4.1	0.6	13.0	17.8	1.7	17.6	0.5	1.7	-	0.7	-	1.1	3.5	0.3	-
8	0.4	-	-	-	-	0.4	-	5.3	1.6	-	7.3	5.8	0.6	-	-	-	-	-	-	-
9	9.6	-	72.9	63.7	51.5	25.0	37.6	40.0	18.4	56.3	7.8	20.1	22.9	39.8	25.3	47.9	30.5	33.1	20.1	35.2
10	3.0	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-
11	3.9	4.5	-	1.0	-	0.3	-	3.4	2.4	-	4.1	8.5	-	-	-	-	1.3	-	-	-
12	6.5	0.3	-	-	-	1.1	-	-	0.5	-	1.5	0.4	25.4	-	-	-	-	1.0	-	-
13	0.9	0.3	-	-	-	-	-	-	-	2.1	2.0	1.6	12.3	-	-	-	-	-	3.6	-
14	-	4.1	-	-	1.1	-	-	-	-	-	1.5	-	0.3	14.3	8.0	-	-	-	-	5.3
15	5.1	-	-	1.3	1.6	-	-	-	-	-	-	-	-	8.0	10.2	6.1	-	0.3	19.9	-
16	5.2	1.9	12.4	8.0	25.3	-	5.0	-	-	24.1	-	-	-	-	5.3	-	2.8	1.1	6.7	13.6
17	1.0	1.0	-	0.3	0.6	-	-	-	-	0.2	-	1.0	-	-	-	-	-	-	-	-
18	1.4	1.1	-	0.5	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	-	-
19	-	10.2	-	0.3	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-
20	-	2.9	-	-	-	-	-	-	-	-	0.8	7.2	-	-	-	-	-	-	-	-
21	-	2.3	0.4	3.4	-	4.7	4.8	21.6	18.8	-	49.9	3.7	1.4	1.7	2.2	-	0.6	2.4	-	-
22	0.1	6.1	-	0.3	-	0.5	0.4	3.9	4.5	-	17.2	1.7	-	-	-	-	-	-	-	-
23	0.9	9.5	-	-	-	-	-	-	-	-	0.4	0.6	-	-	-	-	-	-	-	-
24	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	0.3	-	-	-	-	1.1	5.4	2.6	-	-	-	-	-	-	-
26	2.8	2.0	-	-	-	-	-	-	-	-	0.9	0.5	-	0.4	-	-	-	-	2.5	-
27	-	5.6	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-
28	-	10.2	-	-	-	-	-	-	-	-	0.1	0.8	-	-	-	-	-	-	-	-
29	1.3	10.6	-	0.4	-	-	-	-	-	2.2	0.1	-	-	-	-	-	-	-	-	-
30	-	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	N 24	S 01	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	5.4	-
2	4.9	-	-	-	7.0	-	-	0.9	1.0	1.9	-
3	-	-	-	-	2.0	1.0	5.8	4.4	10.1	5.2	-
4	1.2	-	-	-	-	0.3	1.2	4.1	3.8	-	-
5	7.0	-	-	-	3.0	-	0.1	0.2	2.8	-	-
6	3.9	-	-	-	-	-	-	-	-	1.4	-
7	35.0	7.0	4.9	-	-	-	-	0.1	-	-	-
8	4.4	-	4.2	1.3	-	0.7	4.4	0.2	1.1	9.3	11.0
9	28.6	-	-	-	11.0	-	-	-	-	0.8	0.8
10	15.2	12.0	35.7	5.5	23.0	10.1	-	-	-	-	-
11	10.8	-	16.1	3.0	6.0	12.9	3.2	-	-	-	-
12	3.8	-	-	-	-	-	1.2	-	0.1	-	2.0
13	0.3	-	-	-	3.2	-	-	-	-	-	13.0
14	-	1.0	18.9	-	-	19.8	2.5	-	15.8	-	-
15	-	-	55.0	6.0	-	-	0.1	-	-	0.1	-
16	-	-	5.8	11.0	-	-	-	-	0.1	-	-
17	-	-	18.4	-	-	-	-	-	-	4.8	3.0
18	-	-	-	-	-	-	-	-	-	2.1	8.0
19	-	-	-	-	-	-	-	-	-	-	-
20	11.1	-	-	-	-	-	0.4	-	0.9	2.8	-
21	22.0	12.0	-	2.3	-	8.1	-	-	2.4	3.9	-
22	2.4	-	-	-	-	2.2	8.2	6.2	8.5	8.8	-
23	-	1.0	-	-	-	1.2	-	-	-	4.4	-
24	-	2.0	-	3.0	-	0.2	0.1	-	-	0.6	-
25	-	-	-	-	5.8	-	-	-	-	2.2	-
26	-	-	-	0.7	-	0.7	1.2	4.3	4.8	0.1	-
27	-	-	-	-	-	13.4	3.5	-	0.3	0.8	-
28	-	-	-	-	-	1.5	0.2	3.2	-	-	-
29	-	-	-	-	-	-	0.1	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

OFFICIAL PRECIPITATION DATA (MM)

DATE	IC 1	N 03	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 20	N 24	SF 1	SF 2	SF 3	SF 4	SF 5
1	2.1	-	-	-	-	-	-	-	19.6	-	-	-	-	-	-	-	5.7
2	2.0	-	-	-	-	1.8	-	6.0	25.0	-	-	5.0	-	-	1.2	1.5	2.4
3	27.0	-	-	-	-	-	-	1.9	11.7	-	-	-	2.9	5.6	4.1	10.5	5.7
4	15.5	-	-	-	-	-	-	4.0	2.5	-	-	1.5	0.4	1.2	4.3	4.1	0.1
5	-	-	-	-	-	2.0	-	3.3	14.7	-	-	6.5	-	0.1	0.3	2.8	-
6	-	5.1	0.7	2.3	4.6	4.5	2.6	7.8	10.8	-	-	4.5	-	-	0.1	-	1.6
7	-	1.7	4.7	0.5	12.2	18.5	1.5	16.0	0.5	1.3	1.0	35.5	-	-	0.1	0.2	-
8	-	-	0.6	0.3	5.0	0.8	-	6.8	5.5	0.3	-	5.1	0.9	4.6	0.2	1.2	9.0
9	-	57.5	22.6	29.5	38.2	20.5	57.7	7.3	17.9	23.0	28.6	27.5	-	-	-	-	1.4
10	-	-	-	-	-	0.7	-	0.1	-	-	-	14.5	9.9	-	-	-	0.1
11	4.5	0.7	0.2	-	3.4	2.5	-	4.2	8.3	-	1.5	10.1	12.5	3.3	-	-	-
12	1.0	-	1.0	-	-	1.1	-	1.5	0.3	9.7	-	4.1	-	1.4	-	0.3	-
13	0.3	-	-	-	-	-	0.2	2.0	1.7	9.3	-	0.5	-	-	-	-	-
14	4.6	-	-	-	-	-	-	1.4	-	0.3	-	-	19.3	2.6	-	15.5	-
15	0.2	2.0	-	-	-	-	-	0.1	-	-	-	-	-	0.3	0.1	-	0.3
16	2.0	7.4	-	4.5	-	-	23.2	0.1	-	-	3.0	-	-	-	-	0.3	0.1
17	1.3	0.5	-	0.1	-	-	0.5	0.1	1.2	-	-	-	-	-	-	-	4.5
18	1.6	0.3	-	-	-	-	-	-	4.5	-	-	-	-	-	-	-	2.4
19	10.5	0.3	-	-	-	-	-	-	2.0	-	-	-	-	-	-	-	0.1
20	3.4	-	-	-	-	-	-	0.7	7.0	-	-	10.1	-	0.5	-	1.1	2.8
21	2.6	3.0	4.1	5.0	19.6	22.0	-	45.9	3.7	1.0	0.8	20.8	8.0	-	-	2.4	3.8
22	6.4	0.3	0.7	0.4	4.0	5.4	-	15.7	1.8	-	-	3.0	2.0	7.8	-	8.4	8.7
23	13.0	-	-	-	-	-	-	0.3	0.5	-	-	-	1.3	0.1	-	-	4.7
24	2.8	-	-	-	-	-	-	-	-	-	-	-	0.2	0.2	-	-	1.0
25	-	-	0.1	-	-	-	-	1.0	5.7	2.2	-	-	-	-	0.1	-	2.6
26	2.2	-	-	-	-	-	-	0.9	0.6	-	-	-	0.8	1.3	4.2	4.8	0.4
27	4.4	-	-	-	-	-	-	0.1	-	-	-	-	13.6	3.6	8.7	0.6	1.1
28	12.7	-	-	-	-	-	-	0.1	0.7	-	-	-	1.4	0.5	3.1	-	-
29	10.0	0.2	-	-	-	-	2.1	0.1	-	-	-	-	-	0.3	0.1	-	-
30	5.2	-	-	-	-	-	-	0.1	-	-	-	-	-	-	0.1	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

CONCENTRATION OF SODIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	IC 1	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	6.3	-	-	-	-	0.1	-
2	-	-	-	-	0.4	0.1	-
3	0.6	0.9	0.1	0.1	0.0	0.0	-
4	0.5	-	0.3	0.0	0.1	-	-
5	-	-	-	-	0.2	-	-
6	-	-	-	-	-	0.1	-
7	-	-	-	-	-	-	-
8	-	-	0.1	-	0.2	0.0	0.5
9	-	-	-	-	-	0.2	0.2
10	-	0.1	-	-	-	-	-
11	0.5	0.1	0.2	-	-	-	-
12	4.0	-	0.2	-	-	-	0.5
13	5.6	-	-	-	-	-	0.2
14	1.2	0.1	0.1	-	0.0	-	-
15	-	-	-	-	-	-	-
16	1.4	-	-	-	-	-	-
17	4.5	-	-	-	-	0.0	2.0
18	0.7	-	-	-	-	0.0	1.3
19	1.0	-	-	-	-	-	-
20	2.4	-	-	-	-	0.0	-
21	1.3	0.2	-	-	0.2	0.1	-
22	2.3	1.5	0.1	0.2	0.1	0.0	-
23	1.0	0.4	-	-	-	0.0	-
24	2.3	-	-	-	-	-	-
25	-	-	-	-	-	0.1	-
26	4.1	1.3	0.6	0.2	0.1	-	-
27	4.9	1.5	0.1	0.1	-	-	-
28	2.2	-	-	0.1	-	-	-
29	1.3	-	-	-	-	-	-
30	1.0	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

CONCENTRATION OF MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	N 24	UK 1
1	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	0.30	-	0.03	0.02	-	-	-	-	-	-	-	-	0.09	-
3	-	-	-	-	-	-	-	-	0.23	0.08	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	0.03	0.11	-	-	-	-	-	-	-	-	0.15	-
5	-	-	-	-	-	-	0.30	-	0.03	0.04	-	-	-	-	-	-	-	-	0.15	-
6	0.11	0.13	0.30	2.30	-	0.18	0.25	0.11	0.05	0.05	-	-	-	-	-	0.08	-	4.50	0.60	-
7	-	0.27	0.30	2.10	0.61	0.13	0.16	0.19	0.02	0.09	0.32	-	0.50	-	0.10	0.09	-	-	0.11	-
8	-	-	-	0.90	-	0.09	0.22	-	0.09	0.03	0.81	-	-	-	-	-	-	-	0.67	0.07
9	0.08	0.08	0.08	0.51	0.29	0.02	0.29	0.02	0.03	0.01	0.03	0.04	0.04	0.06	0.01	0.01	1.65	0.97	0.24	0.01
10	-	-	-	-	-	-	0.51	-	0.20	-	-	-	-	-	-	-	-	-	0.24	-
11	-	0.18	-	12.40	-	0.18	0.21	-	0.08	0.03	-	-	-	-	0.06	-	-	-	0.17	-
12	-	-	-	3.08	-	-	0.45	-	0.07	0.20	0.03	-	-	-	-	2.10	-	-	0.30	0.04
13	-	-	-	-	-	-	-	0.03	0.05	0.05	0.01	-	-	-	-	-	0.20	-	0.17	0.02
14	-	-	0.13	-	-	-	-	-	0.12	-	0.16	0.01	0.04	-	-	-	-	0.35	-	-
15	-	0.08	0.02	-	-	-	-	-	0.60	-	-	0.04	0.02	0.07	-	0.14	0.15	-	-	-
16	0.02	0.02	0.03	-	0.08	-	-	0.14	-	-	-	-	0.10	-	0.09	0.12	0.20	0.11	-	-
17	-	0.48	0.42	-	-	-	-	-	0.16	0.08	-	-	-	-	-	-	-	-	-	0.29
18	-	0.12	-	-	-	-	-	-	-	0.04	-	-	-	-	-	-	-	-	-	0.14
19	-	0.06	-	-	-	-	-	-	-	0.05	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	0.16	0.01	-	-	-	-	-	-	-	-	0.01	-
21	-	0.13	-	1.85	0.52	0.14	0.28	-	0.06	0.02	0.20	0.12	0.19	-	0.12	2.15	-	-	0.29	-
22	-	0.36	-	4.10	0.64	0.40	0.78	-	-	0.06	-	-	-	-	-	-	-	-	1.30	-
23	-	-	-	-	-	-	-	-	0.28	0.40	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	2.20	-	-	-	-	0.20	0.11	0.04	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	0.10	0.48	-	0.10	-	-	-	-	0.40	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	0.28	0.08	-	-	-	-	-	-	-	-	-	-
29	-	0.30	-	-	-	-	-	0.08	0.48	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	*	**	**	**	**	**	**	**	**	**	**	**	**	**	**
DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20
1	1.6	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-
2	-	-	-	-	-	-	-	4.5	-	1.1	0.0	-	-	-	-	-
3	1.9	-	-	-	-	-	-	-	-	1.1	0.0	-	-	-	-	-
4	4.4	-	-	-	-	-	-	-	-	0.3	0.0	-	-	-	-	-
5	-	-	-	-	-	-	-	5.6	-	0.2	0.1	-	-	-	-	-
6	-	1.9	1.5	2.8	6.6	1.5	4.1	4.3	1.4	1.3	1.0	-	-	-	-	-
7	-	-	8.1	3.4	6.1	7.7	5.1	5.5	8.1	1.3	3.2	10.6	-	19.2	-	6.2
8	-	-	-	-	4.0	-	0.6	0.7	-	0.2	4.2	4.1	-	-	-	-
9	-	6.2	5.9	6.4	4.0	5.9	1.5	1.9	3.2	0.9	0.9	3.5	5.5	5.3	6.0	1.2
10	-	-	-	-	-	-	-	1.2	-	-	0.0	-	-	-	-	-
11	1.4	-	1.1	-	10.1	-	0.7	0.5	-	0.3	1.1	-	-	-	-	0.6
12	6.0	-	-	-	0.7	-	-	3.9	-	0.3	0.8	0.5	-	-	-	-
13	0.0	-	-	-	-	-	-	-	0.3	0.4	0.5	0.4	-	-	-	-
14	1.8	-	-	1.1	-	-	-	-	-	0.4	-	1.3	0.7	2.0	-	-
15	-	-	0.4	0.3	-	-	-	-	-	-	-	-	3.3	2.4	3.2	-
16	0.7	1.1	1.8	1.4	-	1.3	-	-	1.1	-	-	-	-	6.5	-	6.1
17	0.7	-	3.3	7.2	-	-	-	-	-	0.6	0.4	-	-	-	-	-
18	0.6	-	0.3	-	-	-	-	-	-	-	0.2	-	-	-	-	-
19	1.8	-	0.1	-	-	-	-	-	-	-	0.4	-	-	-	-	-
20	0.5	-	-	-	-	-	-	-	-	3.3	0.3	-	-	-	-	-
21	0.5	-	3.1	-	10.4	13.5	1.9	3.5	-	0.2	0.2	6.9	6.5	7.0	-	4.7
22	4.2	-	0.1	-	6.8	2.6	0.6	1.4	-	0.1	0.1	-	-	-	-	-
23	1.8	-	-	-	-	-	-	-	-	2.0	0.5	-	-	-	-	-
24	9.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	2.6	-	-	-	-	4.3	0.6	0.8	-	-	-	-
26	1.4	-	-	-	-	-	-	-	-	1.6	0.1	-	3.2	-	-	-
27	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.4	-	-	-	-	-	-	-	-	-	0.9	0.9	-	-	-	-
29	1.5	-	1.8	-	-	-	-	-	4.9	1.1	-	-	-	-	-	-
30	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	**	**	**	**						*	*	*	*	*	*
DATE	N 21	N 22	N 23	N 24	S 01	S 02	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-
2	-	-	-	2.8	-	-	-	-	0.0	-	-	2.1	6.1	1.8	-
3	-	-	-	-	-	-	-	-	0.0	6.1	2.9	2.0	1.5	0.9	-
4	-	-	-	0.4	-	-	-	-	-	-	0.6	0.5	1.4	-	-
5	-	-	-	2.4	-	-	-	-	0.0	-	-	-	1.4	-	-
6	1.5	-	12.3	19.1	-	-	-	-	-	-	-	-	-	0.9	-
7	9.3	-	-	1.5	8.6	-	21.2	-	7.6	-	-	-	-	-	-
8	-	-	-	0.7	-	7.2	12.8	1.2	5.1	17.1	10.2	-	10.3	2.9	5.9
9	1.6	10.3	10.4	1.3	-	7.2	-	-	6.1	-	-	-	-	6.1	0.6
10	-	-	-	0.3	3.5	7.2	5.0	5.0	2.7	2.4	-	-	-	-	-
11	-	-	-	0.2	-	-	0.5	2.9	2.6	2.1	8.3	-	-	-	-
12	1.3	-	-	0.4	-	-	-	-	-	-	10.1	-	-	-	4.0
13	-	2.2	-	1.5	-	-	-	-	0.0	-	-	-	-	-	2.5
14	-	-	1.1	-	5.2	-	1.2	-	-	0.9	7.8	-	5.0	-	-
15	2.4	1.6	-	-	-	8.3	0.0	5.2	-	-	-	-	-	-	-
16	8.3	3.2	1.8	-	-	8.3	0.0	2.0	-	-	-	-	-	-	-
17	-	-	-	-	-	8.3	0.0	-	-	-	-	-	-	0.6	4.1
18	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	1.9
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	6.1	-	6.9	-	-	-	-	-	-	2.3	1.1	-
21	6.7	-	-	1.4	5.0	6.9	-	4.7	-	3.8	-	-	3.5	1.5	-
22	-	-	-	0.8	-	-	-	-	-	8.1	3.8	5.6	2.0	1.2	-
23	-	-	-	-	2.6	-	-	-	-	3.0	-	-	-	1.5	-
24	-	-	-	-	1.5	-	-	0.0	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	0.0	-	-	-	-	0.6	-
26	-	5.0	-	-	-	-	-	-	-	2.0	2.2	1.7	0.8	2.7	-
27	-	-	-	-	-	-	-	-	-	6.0	1.5	2.3	-	2.7	-
28	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

PH IN PRECIPITATION

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19
1	-	6.50	-	-	-	-	-	-	-	-	-	5.35	-	-	-	-
2	-	-	-	-	-	-	-	-	6.20	-	5.00	5.30	-	-	-	-
3	-	5.20	-	-	-	-	-	-	-	-	6.25	5.35	-	-	-	-
4	-	5.00	-	-	-	-	-	-	-	-	5.90	5.70	-	-	-	-
5	-	-	-	-	-	-	-	-	5.70	-	5.50	5.45	-	-	-	-
6	-	-	4.40	4.55	6.25	6.15	-	4.85	4.70	5.25	4.80	4.80	-	-	-	-
7	3.80	-	-	3.95	6.50	4.10	6.05	4.15	4.05	3.95	4.50	4.25	4.15	-	3.85	-
8	-	-	-	-	-	6.20	-	5.50	6.35	-	5.45	4.15	6.10	-	-	-
9	4.20	-	4.05	4.10	4.20	5.20	4.10	4.55	4.75	4.40	5.05	4.60	4.25	4.05	4.15	5.95
10	4.20	-	-	-	-	-	-	-	6.45	-	-	-	-	-	-	-
11	4.30	5.50	-	6.30	-	6.60	-	5.50	6.05	-	5.75	4.50	-	-	-	-
12	4.40	5.80	-	-	-	6.50	-	-	7.00	-	6.20	6.30	5.65	-	-	-
13	4.40	3.60	-	-	-	-	-	-	-	6.10	6.05	5.70	5.10	-	-	-
14	-	6.30	-	-	5.95	-	-	-	-	-	6.40	-	6.95	4.80	4.90	-
15	4.40	-	-	5.90	5.55	-	-	-	-	-	-	-	-	6.50	4.70	5.45
16	4.50	6.20	4.85	5.35	5.10	-	5.55	-	-	4.65	-	-	-	-	4.80	-
17	4.20	6.00	-	6.65	6.60	-	-	-	-	-	6.45	5.90	-	-	-	-
18	-	5.00	-	6.30	-	-	-	-	-	-	-	5.45	-	-	-	-
19	-	5.60	-	-	-	-	-	-	-	-	-	5.65	-	-	-	-
20	-	5.70	-	-	-	-	-	-	-	-	5.60	5.35	-	-	-	-
21	-	5.90	-	3.85	-	3.65	3.60	4.50	4.30	-	5.50	5.30	4.25	4.00	4.65	-
22	4.20	6.00	-	5.95	-	6.85	6.10	5.20	5.75	-	5.60	5.70	-	-	-	-
23	-	5.70	-	-	-	-	-	-	-	-	6.55	6.20	-	-	-	-
24	-	4.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	6.20	-	-	-	-	5.80	5.30	6.05	-	-	-
26	4.10	4.90	-	-	-	-	-	-	-	-	6.35	6.00	-	5.12	-	-
27	-	6.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	5.40	-	-	-	-	-	-	-	-	-	5.45	-	-	-	-
29	4.20	6.00	-	-	-	-	-	-	-	6.15	-	-	-	-	-	-
30	-	5.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

PH IN PRECIPITATION

DATE	N 20	N 21	N 22	N 23	N 24	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	6.11	-
2	-	-	-	-	4.80	-	-	6.44	7.64	5.90	-
3	-	-	-	-	-	5.79	4.98	4.77	5.87	5.86	-
4	-	-	-	-	5.30	7.04	6.18	5.46	6.53	-	-
5	-	-	-	-	4.30	-	-	5.84	5.78	-	-
6	-	6.15	-	6.00	3.40	-	-	-	-	5.62	-
7	4.15	3.95	-	-	4.50	-	-	8.38	-	-	-
8	-	-	-	-	4.95	6.39	4.10	6.43	4.02	4.63	4.10
9	4.40	4.60	3.75	3.95	4.55	-	-	-	-	4.34	4.50
10	-	-	-	-	4.95	4.81	-	-	-	-	-
11	6.30	-	-	-	5.20	6.45	5.02	-	-	-	-
12	-	5.80	-	-	5.15	-	4.68	-	-	-	4.15
13	-	-	4.45	-	6.60	-	-	-	-	-	4.20
14	-	-	-	4.60	-	6.00	5.66	-	5.30	-	-
15	-	5.10	4.60	-	-	-	6.81	-	-	7.49	-
16	5.60	4.95	4.95	5.15	-	-	-	-	7.00	-	-
17	-	-	-	-	-	-	-	-	-	5.64	4.25
18	-	-	-	-	-	-	-	-	-	5.23	4.50
19	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	4.00	-	4.58	-	6.48	4.97	-
21	4.40	4.40	-	-	4.50	4.38	-	-	6.01	4.56	-
22	-	-	-	-	5.10	7.40	4.44	4.73	5.57	4.97	-
23	-	-	-	-	-	6.81	-	-	-	4.84	-
24	-	-	-	-	-	7.56	-	-	-	4.76	-
25	-	-	-	-	-	-	-	-	-	5.37	-
26	-	-	4.95	-	-	5.57	6.36	6.71	6.45	7.03	-
27	-	-	-	-	-	6.18	6.30	6.34	7.77	4.70	-
28	-	-	-	-	-	-	6.25	7.23	-	-	-
29	-	-	-	-	-	-	6.09	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	-	NEG	-	-	-	-	-	-	-	-	-	-3	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-157	-	6	-6	-	-	-	-	-	-	-	-
3	-	NEG	-	-	-	-	-	-	-	-	-62	-6	-	-	-	-	-	-	-	-
4	-	NEG	-	-	-	-	-	-	-	-	-24	-17	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-35	-	-22	-12	-	-	-	-	-	-	-	-
6	-	-	40	32	-108	-76	30	3	27	-21	11	13	-	-	-	-	-	-38	-	NEG
7	*158	-	-	129	-120	86	NEG	66	106	118	23	51	50	-	228	-	50	145	-	-
8	-	-	-	-	-	-40	-	-25	-71	-	-7	66	-42	-	-	-	-	-	-	-
9	*63	-	79	75	75	53	75	18	9	44	3	23	42	81	86	-45	30	34	276	137
10	*63	-	-	-	-	-	-	-	-93	-	-	-	-	-	-	-	-	-	-	-
11	*50	NEG	-	-74	-	NEG	-	-14	-36	-	-21	29	-	-	-	-	-88	-	-	-
12	*40	NEG	-	-	-	-116	-	-	-96	-	-75	-224	-17	-	-	-	-	-16	-	-
13	*40	*251	-	-	-	-	-	-	-	-29	-36	-35	1	-	-	-	-	-	29	-
14	-	NEG	-	-	-44	-	-	-	-	-	-127	-	-30	7	2	-	-	-	-	17
15	*40	-	-	-34	-8	-	-	-	-	-	-	-	-	-150	21	-21	-	NEG	16	-
16	*32	NEG	4	4	-1	-	-12	-	-	11	-	-	-	-	13	-	-36	-4	-4	-3
17	*63	NEG	-	NEG	-222	-	-	-	-	-	-264	-32	-	-	-	-	-	-	-	-
18	-	NEG	-	NEG	-	-	-	-	-	-	-	-19	-	-	-	-	-	-	-	-
19	-	NEG	-	-	-	-	-	-	-	-	-	-23	-	-	-	-	-	-	-	-
20	-	NEG	-	-	-	-	-	-	-	-	16	-5	-	-	-	-	-	-	-	-
21	-	NEG	-	143	-	234	285	22	49	-	3	-9	43	122	26	-	64	26	-	-
22	*63	NEG	-	NEG	-	-262	NEG	-26	-5	-	0	-30	-	-	-	-	-	-	-	-
23	-	NEG	-	-	-	-	-	-	-	-	-240	-96	-	-	-	-	-	-	-	-
24	-	*25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	NEG	-	-	-	-	-6	-12	-53	-	-	-	-	-	-	-
26	*79	*13	-	-	-	-	-	-	-	-	-84	-63	-	NEG	-	-	-	-	-14	-
27	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	NEG	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
29	*63	NEG	-	-	-	-	-	-	-	-68	-	-	-	-	-	-	-	-	-	-
30	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	N 24	S 01	S 02	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	NEG	-
2	8	-	-	-	-	14	-	-	NEG	NEG	NEG	-
3	-	-	-	-	-	0	NEG	15	16	NEG	NEG	-
4	-7	-	-	-	-	-	NEG	NEG	NEG	NEG	-	-
5	33	-	-	-	-	0	-	-	NEG	NEG	-	-
6	543	-	-	-	-	-	-	-	-	-	NEG	-
7	19	22	-	33	-	193	-	-	NEG	-	-	-
8	2	-	75	165	75	124	NEG	85	NEG	98	25	80
9	19	-	75	-	-	143	-	-	-	-	48	28
10	5	40	75	78	63	56	16	-	-	-	-	-
11	0	-	-	17	37	51	NEG	11	-	-	-	-
12	2	-	-	-	-	-	-	22	-	-	-	63
13	NEG	-	-	-	-	14	-	-	-	-	-	62
14	-	31	-	51	-	-	NEG	NEG	-	11	-	-
15	-	-	24	26	0	-	-	NEG	-	-	NEG	-
16	-	-	24	16	0	-	-	-	-	NEG	-	-
17	-	-	24	22	-	-	-	-	-	-	NEG	47
18	-	-	-	-	-	-	-	-	-	-	5	26
19	-	-	-	-	-	-	-	-	-	-	-	-
20	107	-	85	-	-	-	-	30	-	NEG	9	-
21	24	39	85	-	0	-	42	-	-	NEG	26	-
22	5	-	-	-	-	-	NEG	37	16	16	15	-
23	-	0	-	-	-	-	NEG	-	-	-	13	-
24	-	0	-	-	0	-	NEG	-	-	-	16	-
25	-	-	-	-	-	17	-	-	-	-	NEG	-
26	-	-	-	-	19	-	NEG	NEG	NEG	NEG	NEG	-
27	-	-	-	-	-	-	NEG	NEG	NEG	NEG	15	-
28	-	-	-	-	-	-	-	NEG	NEG	-	-	-
29	-	-	-	-	-	-	-	NEG	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	DK 2	DK 3	DK 5	IC 1	N 01	N 03	N 09	N 21	N 22	N 23	NL 1	NL 2	NL 3	S 01	S 02	S 03
1	12	7	9	16	0	16	-	12	16	8	5	9	3	0	0	9
2	8	13	6	5	6	10	5	4	8	7	2	9	-	0	0	37
3	59	10	6	5	1	0	0	3	13	7	2	5	-	0	0	18
4	8	-	12	6	2	6	3	4	19	5	1	2	0	0	0	14
5	27	-	6	7	1	5	4	3	13	1	1	2	0	0	0	18
6	4	-	6	6	0	5	5	14	12	2	19	5	4	0	4	27
7	12	-	15	6	3	4	0	11	12	3	19	17	19	0	0	31
8	12	-	9	9	0	6	2	3	11	3	31	7	12	0	3	23
9	8	-	6	11	3	16	10	10	11	3	17	10	7	0	0	17
10	8	-	6	10	0	4	7	5	4	3	12	0	5	0	0	30
11	7	13	3	2	0	5	10	12	8	4	34	2	9	0	-	23
12	7	13	6	2	0	4	6	15	9	2	34	1	4	0	-	33
13	7	13	6	7	0	7	2	14	26	6	24	0	10	0	-	0
14	7	13	6	7	0	4	0	8	17	4	11	9	7	0	-	0
15	4	10	9	6	0	5	0	7	4	4	0	1	4	0	0	0
16	7	16	6	4	0	9	0	8	7	0	0	0	5	0	0	0
17	7	20	6	3	8	6	0	8	20	0	3	5	7	0	0	0
18	4	16	18	2	6	9	0	10	16	11	15	1	11	0	0	0
19	7	7	15	10	0	18	0	14	18	4	56	3	40	0	0	3
20	7	7	6	3	0	4	0	6	6	4	6	3	8	31	0	0
21	11	7	9	6	16	6	0	2	17	14	4	7	5	6	0	0
22	7	7	9	5	6	7	0	7	6	3	11	9	17	22	0	0
23	11	3	6	5	0	12	3	7	13	8	0	0	2	29	0	0
24	7	7	6	4	0	6	4	6	11	4	0	1	1	22	0	0
25	7	10	6	5	0	4	5	7	24	7	0	1	2	27	0	0
26	7	3	6	6	0	4	4	8	20	5	0	1	2	25	0	0
27	7	6	9	7	0	5	1	12	21	2	0	1	2	26	0	0
28	7	3	9	9	0	5	6	9	30	2	4	1	3	32	0	0
29	11	3	9	7	0	-	5	10	13	2	2	0	6	32	0	0
30	7	6	9	37	0	9	-	11	10	2	29	3	14	26	0	0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	S 04	S 05	SF 2	SF 5	UK 1
1	25	0	10	11	3
2	27	0	14	0	0
3	27	0	12	8	0
4	33	0	15	10	2
5	48	0	27	7	0
6	32	0	30	9	11
7	26	0	18	8	15
8	28	0	27	0	20
9	30	0	18	0	15
10	23	0	19	0	28
11	24	0	16	13	8
12	25	0	34	15	43
13	35	0	8	0	12
14	19	0	13	0	7
15	0	0	18	0	16
16	0	26	13	0	53
17	0	3	0	0	22
18	0	0	11	5	7
19	4	30	5	7	10
20	0	0	36	5	30
21	0	30	40	5	21
22	0	0	13	5	32
23	0	20	5	5	5
24	0	0	8	9	5
25	0	17	-	5	-
26	0	32	-	15	43
27	0	4	-	17	43
28	0	0	-	6	29
29	0	29	-	10	89
30	0	23	-	5	31

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	IC 1	NL 1	NL 2	NL 3	S 03	S 04	S 05	SF 2	SF 5	UK 1
1	0.5	10.0	10.0	-	2.4	3.0	2.2	3.7	2.0	8.0
2	0.2	12.5	10.0	-	4.8	1.3	0.0	2.5	0.4	10.0
3	0.2	30.0	17.5	-	1.6	1.8	0.2	2.3	0.1	8.0
4	1.2	5.0	2.5	12.5	0.0	0.0	0.2	0.6	0.0	3.0
5	1.2	7.5	2.5	2.5	1.8	1.1	0.1	3.2	0.2	6.0
6	0.7	32.5	30.0	10.0	4.6	2.4	6.5	7.8	1.5	22.0
7	0.5	77.5	50.0	40.0	15.5	9.1	7.6	6.2	3.7	11.0
8	0.5	32.5	20.0	15.0	5.0	10.0	2.2	23.4	11.3	8.0
9	0.5	30.0	22.5	12.5	12.8	7.1	1.9	3.9	2.4	5.0
10	0.2	5.0	2.5	2.5	4.6	12.5	2.5	17.0	3.3	3.0
11	0.0	15.0	5.0	7.5	0.0	2.8	0.4	11.0	11.5	2.0
12	0.2	12.5	10.0	5.0	0.5	1.0	0.4	2.7	12.7	6.0
13	0.5	17.5	7.5	7.5	1.0	0.5	0.2	3.6	1.7	3.0
14	0.2	15.0	7.5	2.5	1.8	1.3	0.5	3.4	2.6	2.0
15	0.7	2.5	0.0	2.5	1.6	3.1	0.7	17.4	1.4	6.0
16	0.7	2.5	0.0	2.5	0.7	10.2	1.1	16.9	2.7	9.0
17	0.2	10.0	7.5	5.0	3.1	3.4	0.5	8.3	0.7	5.0
18	1.4	15.0	5.0	7.5	0.4	0.2	0.0	1.1	0.6	4.0
19	1.4	37.5	15.0	17.5	7.8	0.7	0.0	0.8	1.1	15.0
20	0.7	27.5	15.0	22.5	4.3	4.6	0.1	2.7	1.6	18.0
21	0.2	30.0	27.5	15.0	5.8	7.6	0.5	10.9	2.6	10.0
22	0.7	42.5	20.0	20.0	0.0	1.9	0.0	5.3	3.0	21.0
23	1.4	2.5	2.5	2.5	0.1	0.0	0.0	1.1	0.8	6.0
24	2.9	2.5	0.0	2.5	0.2	0.4	0.4	3.7	1.0	1.0
25	8.2	5.0	2.5	2.5	1.1	1.1	0.5	14.7	0.6	-
26	4.1	5.0	5.0	7.5	0.7	0.4	0.0	6.3	1.4	10.0
27	0.5	7.5	5.0	5.0	0.0	0.4	0.4	1.5	10.5	16.0
28	0.7	5.0	2.5	0.0	0.2	0.2	0.2	4.8	0.0	16.0
29	0.5	7.5	2.5	12.5	0.1	1.1	0.1	3.2	3.9	21.0
30	0.5	17.5	7.5	27.5	0.7	1.8	0.5	1.8	2.0	15.0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20
1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	8	-	7	-	-	-	-	-	-
3	53	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
4	68	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
5	-	-	-	-	-	-	-	11	-	1	1	-	-	-	-	-
6	-	9	8	4	5	3	19	19	4	10	11	-	-	-	-	-
7	-	-	14	3	29	4	62	102	12	21	2	14	-	13	-	6
8	-	-	-	-	2	-	3	1	-	1	23	1	-	-	-	-
9	-	452	339	330	90	174	57	39	185	7	16	81	219	137	288	34
10	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
11	6	-	1	-	2	-	2	1	-	1	9	-	-	-	-	1
12	6	-	-	-	1	-	-	1	-	0	0	5	-	-	-	-
13	-	-	-	-	-	-	-	-	0	1	1	4	-	-	-	-
14	8	-	-	1	-	-	-	-	-	1	-	0	10	16	-	-
15	-	-	1	0	-	-	-	-	-	-	-	-	26	24	20	-
16	1	14	13	35	-	6	-	-	26	-	-	-	-	35	-	18
17	1	-	2	5	-	-	-	-	-	0	0	-	-	-	-	-
18	1	-	0	-	-	-	-	-	-	-	1	-	-	-	-	-
19	19	-	0	-	-	-	-	-	-	-	1	-	-	-	-	-
20	2	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-
21	1	-	24	-	43	68	37	77	-	9	1	7	11	16	-	4
22	27	-	0	-	5	1	2	8	-	2	0	-	-	-	-	-
23	24	-	-	-	-	-	-	-	-	1	0	-	-	-	-	-
24	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	0	-	-	-	-	4	3	2	-	-	-	-
26	3	-	-	-	-	-	-	-	-	1	0	-	1	-	-	-
27	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	6	-	-	-	-	-	-	-	-	0	1	-	-	-	-	-
29	15	-	0	-	-	-	-	-	10	0	-	-	-	-	-	-
30	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 21	N 22	N 23	N 24	S 01	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-	11	-
2	-	-	-	14	-	-	-	-	-	-	3	9	4	-
3	-	-	-	-	-	-	-	-	18	16	8	16	5	-
4	-	-	-	1	-	-	-	-	-	1	2	6	-	-
5	-	-	-	16	-	-	-	-	-	-	-	4	-	-
6	2	-	5	86	-	-	-	-	-	-	-	-	1	-
7	33	-	-	53	60	104	-	-	-	-	-	-	-	-
8	-	-	-	4	-	54	2	-	15	47	-	12	25	65
9	53	207	366	36	-	-	-	67	-	-	-	-	9	0
10	-	-	-	4	42	179	28	62	24	-	-	-	-	-
11	-	-	-	2	-	8	9	16	26	28	-	-	-	-
12	1	-	-	2	-	-	-	-	-	14	-	-	-	8
13	-	8	-	1	-	-	-	-	-	-	-	-	-	33
14	-	-	6	-	5	23	-	-	17	20	-	78	-	-
15	1	32	-	-	-	-	31	-	-	-	-	-	-	-
16	9	22	24	-	-	-	22	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	3	12
18	-	-	-	-	-	-	-	-	-	-	-	-	2	15
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	62	-	-	-	-	-	-	-	3	3	-
21	16	-	-	29	60	-	11	-	31	-	-	9	6	-
22	-	-	-	2	-	-	-	-	16	29	-	17	10	-
23	-	-	-	-	3	-	-	-	4	-	-	-	7	-
24	-	-	-	-	3	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	1	-
26	-	13	-	-	-	-	-	-	2	3	7	4	1	-
27	-	-	-	-	-	-	-	-	82	5	20	-	3	-
28	-	-	-	-	-	-	-	-	-	-	5	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19
1	-	NEG	-	-	-	-	-	-	-	-	-	-59	-	-	-	-
2	-	-	-	-	-	-	-	-	-283	-	36	-150	-	-	-	-
3	-	NEG	-	-	-	-	-	-	-	-	-118	-70	-	-	-	-
4	-	NEG	-	-	-	-	-	-	-	-	-96	-43	-	-	-	-
5	-	-	-	-	-	-	-	-	-70	-	-73	-176	-	-	-	-
6	-	-	191	163	-172	-53	69	14	122	-55	86	140	-	-	-	-
7	*111	-	-	219	-122	404	NEG	805	1961	177	368	26	65	-	160	-
8	-	-	-	-	-	-24	-	-125	-57	-	-48	363	-13	-	-	-
9	*606	-	5759	4313	3863	1198	2213	588	185	2539	22	412	966	3223	2217	-2157
10	*189	-	-	-	-	-	-	-	-65	-	-	-	-	-	-	-
11	*195	NEG	-	-52	-	NEG	-	-48	-90	-	-88	241	-	-	-	-
12	*259	NEG	-	-	-	-116	-	-	-106	-	-113	-67	-165	-	-	-
13	*36	*75	-	-	-	-	-	-	-	-6	-72	-60	9	-	-	-
14	-	NEG	-	-	-48	-	-	-	-	-	-178	-	-9	100	16	-
15	*203	-	-	-68	-13	-	-	-	-	-	-	-	--1194		214	-129
16	*164	NEG	50	30	-25	-	-54	-	-	255	-	-	-	-	70	-
17	*63	NEG	-	NEG	-141	-	-	-	-	-	-26	-38	-	-	-	-
18	-	NEG	-	NEG	-	-	-	-	-	-	-	-86	-	-	-	-
19	-	NEG	-	-	-	-	-	-	-	-	-	-46	-	-	-	-
20	-	NEG	-	-	-	-	-	-	-	-	11	-35	-	-	-	-
21	-	NEG	-	429	-	959	1425	431	1078	-	138	-33	43	202	58	-
22	*6	NEG	-	NEG	-	-183	NEG	-104	-27	-	NEG	-54	-	-	-	-
23	-	NEG	-	-	-	-	-	-	-	-	-72	-48	-	-	-	-
24	-	*70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	NEG	-	-	-	-	-6	-68	-117	-	-	-
26	*222	*28	-	-	-	-	-	-	-	-	-76	-38	-	NEG	-	-
27	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	NEG	-	-	-	-	-	-	-	-	-	3	-	-	-	-
29	*82	NEG	-	-	-	-	-	-	-	-143	-	-	-	-	-	-
30	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA SEPTEMBER 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	N 20	N 21	N 22	N 23	N 24	S 01	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	NEG	-
2	-	-	-	-	40	-	-	-	98	-	-	NEG	NEG	NEG	-
3	-	-	-	-	-	-	-	-	-	NEG	84	66	NEG	NEG	-
4	-	-	-	-	-11	-	-	-	-	NEG	NEG	NEG	NEG	-	-
5	-	-	-	-	215	-	-	-	-	-	-	NEG	NEG	-	-
6	-	-60	-	NEG	2444	-	-	-	-	-	-	-	-	NEG	-
7	50	508	-	-	675	154	270	-	-	-	-	NEG	-	-	-
8	-	-	-	-	10	-	693	97	-	NEG	391	NEG	118	225	880
9	858	1126	5535	4823	523	-	-	-	1573	-	-	-	-	67	22
10	-	-	-	-	73	480	2785	347	1288	158	-	-	-	-	-
11	-132	-	-	-	NEG	-	274	111	306	NEG	36	-	-	-	-
12	-	-16	-	-	8	-	-	-	-	-	31	-	-	-	126
13	-	-	105	-	NEG	-	-	-	45	-	-	-	-	-	806
14	-	-	-	90	-	31	964	-	-	NEG	NEG	-	171	-	-
15	-	NEG	318	-	-	-	1430	-	-	-	NEG	-	-	NEG	-
16	-108	-4	-27	-41	-	-	93	-	-	-	-	-	NEG	-	-
17	-	-	-	-	-	-	405	-	-	-	-	-	-	NEG	141
18	-	-	-	-	-	-	-	-	-	-	-	-	-	12	208
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	1081	-	-	-	-	-	15	-	NEG	25	-
21	51	61	-	-	499	468	-	-	-	336	-	-	NEG	99	-
22	-	-	-	-	15	-	-	-	-	NEG	289	-	134	130	-
23	-	-	-	-	-	-	-	-	-	NEG	-	-	-	61	-
24	-	-	-	-	-	-	-	-	-	NEG	-	-	-	16	-
25	-	-	-	-	-	-	-	-	99	-	-	-	-	NEG	-
26	-	-	-36	-	-	-	-	13	-	NEG	NEG	NEG	NEG	NEG	-
27	-	-	-	-	-	-	-	-	-	NEG	NEG	NEG	NEG	17	-
28	-	-	-	-	-	-	-	-	-	-	-	NEG	NEG	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	NEG	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NORWEGIAN INSTITUTE FOR AIR RESEARCH

LRTAP GROUND SAMPLING STATIONS

MONTHLY SUMMARY OF RESULTS - OCTOBER 1972

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS		
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	D 01	WESTERLAND	P	54 56 N	8 19 E	3
2	DK 1	FÆRØERNE	A	62 04 N	6 58 W	740
3	DK 2	HANSTHOLM	A	57 07 N	8 36 E	46
4	DK 3	TANGE	A	56 21 N	9 36 E	13
5	DK 5	KELDSNOR	A	54 44 N	10 44 E	8
6	DK 6	DUECODE	A	55 00 N	15 05 E	6
7	F 01	VERT-LE-PETIT	A	48 32 N	2 22 E	64
8	IC 1	RJUPNAHÆD	PA	64 05 N	21 51 W	120
9	N 01	BIRKELAND	PA	58 23 N	8 15 E	190
10	N 03	FINSLAND	PA	58 19 N	7 35 E	275
11	N 05	GJERSTAD	P	58 53 N	8 57 E	240
12	N 06	LISTA	P	58 06 N	6 34 E	13
13	N 07	MANDAL	P	58 03 N	7 27 E	138
14	N 08	SKREÐDALEN	P	58 49 N	6 43 E	475
15	N 09	SØYLAND	PA	58 41 N	5 59 E	263
16	N 10	TOVDAL	P	58 48 N	8 14 E	227
17	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
18	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
19	N 16	TAGMYRA	P	61 25 N	12 04 E	536
20	N 17	KJELLER	P	59 59 N	11 03 E	120
21	N 18	LØKEN	P	59 48 N	11 27 E	150
22	N 19	BISLINGEN	P	60 14 N	10 37 E	680
23	N 20	GRIMELID	P	60 08 N	9 30 E	367
24	N 21	NOREFJELL	PA	60 13 N	9 31 E	810
25	N 22	VASSER	PA	59 04 N	10 25 E	35
26	N 23	LYNGØR	PA	58 38 N	9 08 E	20
27	N 24	FITJAR	P	59 55 N	5 19 E	20
28	NL 1	WAGENINGEN	A	51 58 N	5 38 E	7
29	NL 2	WITTEVEN	A	52 49 N	6 40 E	17
30	NL 3	DEN HELDER	A	52 55 N	4 47 E	0
31	S 01	EKERØD	PA	55 54 N	13 43 E	135
32	S 02	RØÖ	PA	57 23 N	11 55 E	5
33	S 03	SJÖÄNGEN	PA	58 46 N	14 13 E	125
34	S 04	RYDA KUNGSGÅRD	PA	59 46 N	17 02 E	30
35	S 05	BREDKÄLEN	PA	63 51 N	15 17 E	405
36	S 06	ESKERUM	PA	56 48 N	16 31 E	4
37	S 07	RØRBÄCKSNÄS	PA	61 08 N	12 45 E	
38	S 08	HOBURG	PA	56 55 N	18 06 E	
39	SF 1	JOMALA	PA	60 11 N	19 53 E	15
40	SF 2	JOKIOINEN	PA	60 49 N	23 30 E	104
41	SF 3	PUUMALA	PA	61 34 N	28 04 E	120
42	SF 4	ÄHTÄRI	PA	62 31 N	24 13 E	154
43	SF 5	SODANKYLÄ	PA	67 22 N	26 39 E	178
44	UK 1	COTTERED	PA	51 58 N	0 05 W	

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	D 01	IC 1	N 01	N 02	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	14.0	16.2	1.4	-	-	-	-	-	-	-
4	-	8.1	-	0.4	-	-	-	1.1	2.1	-	-	28.6	4.2	3.1	1.7	0.5	-	-	-	0.5	-
5	-	7.3	-	-	-	-	-	-	1.4	-	-	1.5	5.3	-	-	-	-	-	-	-	-
6	-	-	-	-	1.1	-	0.5	-	0.4	-	-	0.1	12.0	-	0.6	1.0	-	-	-	-	-
7	-	6.5	-	-	-	-	-	-	-	-	-	-	3.1	0.2	-	-	-	-	-	-	-
8	-	0.4	-	-	-	-	-	-	0.3	-	-	-	3.4	0.4	-	-	-	-	-	-	-
9	-	-	-	-	0.6	-	-	-	-	-	-	2.6	3.2	0.3	-	-	-	0.5	-	-	-
10	-	0.5	-	-	-	-	-	3.2	1.5	-	-	20.4	5.3	2.4	0.4	-	-	0.3	0.8	-	-
11	-	20.5	-	-	0.9	0.1	-	0.6	3.4	-	-	2.5	0.1	5.0	7.0	3.0	5.7	-	-	-	-
12	-	1.8	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-
13	-	1.8	-	-	-	-	-	-	-	-	-	2.2	0.7	-	-	-	-	-	-	-	-
14	-	0.4	-	-	-	-	-	-	-	-	-	1.0	3.1	-	-	-	-	-	-	-	-
15	-	2.4	-	-	-	-	-	-	-	-	-	2.4	15.5	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	2.9	-	-	7.5	29.5	-	-	-	-	-	-	-	-
17	-	7.5	-	-	-	-	-	-	0.2	-	-	6.7	6.7	0.1	-	-	-	-	-	-	-
18	-	-	-	-	-	0.6	-	2.2	8.0	-	-	14.6	3.4	-	-	-	-	-	-	-	-
19	3.0	-	-	-	-	-	0.2	0.2	0.4	-	-	12.7	0.6	-	-	-	-	-	-	-	-
20	2.6	0.4	-	-	-	-	-	-	-	-	-	8.1	-	-	-	-	-	-	-	-	-
21	4.5	1.6	0.3	-	2.7	5.3	1.8	5.6	7.6	1.4	7.4	-	-	8.9	8.0	-	3.8	-	-	2.1	
22	4.4	-	9.9	12.1	9.9	14.8	18.3	39.0	17.1	13.6	13.3	2.0	5.9	-	-	3.9	6.1	9.9	8.4	8.3	
23	3.6	4.1	2.9	7.5	1.8	4.6	3.6	31.6	10.1	1.8	38.5	2.6	1.6	-	-	-	-	-	-	0.1	
24	0.5	4.2	-	-	-	4.3	1.3	10.0	6.0	-	8.3	0.5	-	-	-	-	-	-	-	-	
25	1.8	1.1	-	0.8	-	1.2	0.3	21.3	16.6	-	29.8	4.8	0.6	-	-	-	-	-	-	-	
26	0.6	-	-	-	-	-	-	0.4	-	-	1.8	0.1	0.6	-	-	0.3	-	-	-	-	
27	0.2	2.9	-	-	-	-	-	-	-	-	-	0.1	0.8	-	-	-	1.0	2.3	-	-	
28	-	5.3	6.7	5.1	6.4	-	2.7	10.4	7.8	8.8	-	-	-	-	0.8	-	1.5	1.8	-	8.6	
29	-	1.0	6.0	7.7	1.8	-	1.9	21.5	9.5	-	-	-	0.6	-	1.0	-	-	0.3	3.2	0.9	
30	0.4	-	7.6	8.0	3.8	-	4.0	8.5	3.9	-	1.5	6.7	0.3	0.7	0.6	1.3	-	0.4	1.9	5.3	
31	-	1.6	6.2	7.3	2.6	-	7.1	0.2	-	-	-	1.5	-	-	-	-	-	-	1.0	1.5	

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	N 24	S 01	S 03	S 04	S 05	S 06	S 07	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	0.2	-
3	-	-	-	-	1.5	-	-	-	-	-	-	-	-
4	37.9	-	-	1.6	-	-	-	-	0.3	3.4	3.2	-	-
5	3.8	-	-	-	-	-	-	-	-	-	-	-	-
6	0.4	-	-	-	-	-	-	-	-	1.0	1.1	0.1	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	0.2	0.4	0.8	-	-
9	0.6	-	-	-	-	-	-	-	-	-	-	0.8	2.0
10	15.9	-	-	-	-	-	-	-	-	-	-	3.9	3.0
11	-	-	12.0	1.3	1.5	-	-	3.4	0.4	-	1.9	19.8	-
12	-	-	-	7.8	-	-	-	1.1	9.5	-	-	4.0	-
13	0.4	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	1.0	-	-	-	-	20.0	-	4.5	-
16	3.5	-	-	-	2.0	-	-	-	-	0.3	-	0.7	-
17	0.5	-	-	3.6	-	-	-	0.8	-	0.1	1.8	1.3	-
18	67.5	-	5.0	-	4.3	-	-	-	-	1.2	-	0.1	-
19	2.2	3.0	-	2.9	0.6	1.4	-	14.6	0.4	1.9	0.2	2.4	-
20	-	-	7.1	-	1.3	-	-	0.4	0.4	2.3	3.2	-	-
21	9.5	-	-	-	-	-	-	0.5	2.5	0.6	0.4	0.9	-
22	25.1	-	28.5	-	0.5	-	-	0.2	0.2	-	3.0	0.9	-
23	10.7	9.0	-	7.5	8.0	3.5	-	12.1	-	4.2	-	-	-
24	6.0	-	-	-	-	-	-	0.6	9.4	4.5	13.4	7.8	-
25	45.5	-	-	-	1.3	-	-	1.2	1.2	0.1	0.9	0.7	-
26	-	-	-	-	-	-	-	-	1.2	1.2	4.7	1.7	-
27	-	-	-	-	-	-	0.2	-	-	-	-	-	-
28	1.2	1.0	-	-	-	-	0.4	-	0.1	-	0.5	-	-
29	8.3	-	-	-	2.7	-	0.6	0.4	1.1	-	2.0	0.2	0.8
30	3.2	-	-	7.8	1.4	-	0.9	-	1.5	0.1	5.5	-	3.0
31	19.1	-	19.5	1.4	-	-	0.1	3.3	2.1	5.4	1.8	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, PRELIMINARY DATA OCTOBER 72

OFFICIAL PRECIPITATION DATA (MM)

DATE	IC 1	N 03	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 20	N 24	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5
1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
3	-	-	-	-	-	-	-	12.3	17.5	1.0	-	-	-	-	-	-	-	-	-
4	8.2	0.2	-	-	1.0	2.0	-	27.3	4.5	3.1	-	3.4	-	-	-	0.2	3.5	3.3	0.1
5	10.3	-	-	-	-	1.0	-	1.7	6.1	-	-	0.4	-	-	-	-	0.2	-	-
6	-	-	-	0.5	-	0.2	-	0.1	12.7	-	-	0.6	-	-	-	-	1.1	1.3	0.2
7	6.6	-	-	-	-	-	-	-	4.0	0.1	-	-	-	-	-	-	-	-	-
8	0.8	-	-	-	-	0.2	-	-	4.2	0.3	-	-	-	-	-	0.1	0.7	0.6	-
9	-	-	-	-	-	-	-	2.4	4.4	0.2	0.7	0.5	-	-	-	-	0.1	-	1.0
10	1.8	-	-	-	3.2	1.8	-	19.2	6.2	1.8	0.4	13.5	-	-	-	-	0.1	-	3.0
11	24.5	-	0.1	-	0.6	3.5	-	2.9	0.3	5.4	-	-	-	-	4.2	0.5	-	2.0	20.7
12	2.5	-	-	-	-	-	-	-	0.6	-	-	-	-	-	1.3	9.5	-	-	4.7
13	3.1	-	-	-	-	-	-	2.2	1.0	-	-	0.6	-	-	-	-	-	-	0.1
14	1.4	-	-	-	-	-	-	1.2	4.6	-	-	0.3	-	-	-	-	-	-	-
15	4.1	-	-	-	-	-	-	2.6	20.0	-	-	-	-	-	-	-	19.1	-	4.5
16	-	-	-	-	-	2.4	-	7.5	42.4	-	-	3.6	-	-	-	-	0.7	0.4	1.0
17	8.7	-	-	-	-	0.1	-	6.0	8.2	1.8	-	0.7	-	2.2	1.1	-	0.2	1.8	1.9
18	0.1	-	0.6	-	2.4	7.2	-	13.5	5.2	-	-	1.1	-	0.8	0.1	-	1.3	-	0.1
19	0.1	-	-	0.2	0.4	0.3	-	13.0	0.7	-	-	3.2	-	6.0	14.5	0.3	1.9	0.3	2.8
20	0.6	-	-	-	-	-	-	8.5	-	-	-	0.1	-	-	0.7	0.4	1.9	2.9	-
21	2.4	-	3.3	1.5	4.6	7.5	1.1	7.1	-	-	4.1	1.2	-	-	0.6	2.4	0.7	0.5	0.9
22	2.4	11.0	11.0	17.0	39.2	19.3	12.7	12.4	2.5	5.3	5.9	22.5	-	2.0	0.1	0.5	-	3.0	1.0
23	5.0	7.4	6.5	4.5	29.6	9.7	1.6	36.5	3.0	1.4	-	10.9	-	7.1	11.4	0.1	4.1	-	0.3
24	5.0	-	4.2	1.5	9.0	5.5	-	7.2	0.6	-	-	6.0	-	-	0.8	10.0	4.7	12.3	9.7
25	1.5	0.7	1.2	0.7	19.6	18.6	-	29.3	6.2	0.5	-	41.6	-	-	0.7	1.2	0.4	1.1	0.7
26	0.1	-	-	-	0.9	-	-	1.6	0.2	0.5	-	0.4	-	-	-	1.1	1.3	4.6	1.8
27	3.5	-	-	-	-	-	-	-	0.1	0.7	0.8	-	0.2	-	-	-	-	-	-
28	5.3	4.5	-	2.0	10.0	7.0	5.2	-	-	-	1.5	1.6	0.4	-	-	0.1	-	0.6	-
29	1.2	8.0	-	2.4	20.9	27.0	-	-	-	0.5	-	9.9	0.6	-	0.6	0.8	-	2.1	0.4
30	-	9.0	-	4.5	9.0	16.3	-	1.0	7.4	0.8	-	2.5	0.9	-	-	1.8	0.2	4.1	-
31	1.5	7.8	-	7.0	0.3	-	-	-	1.4	-	-	19.6	0.1	-	3.3	1.8	5.5	1.9	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

CONCENTRATION OF SODIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	IC 1	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-
2	6.6	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	1.1	-	-	0.2	0.2	-	-
5	0.5	-	-	-	-	-	-
6	-	-	-	-	0.3	-	-
7	0.6	-	-	-	-	-	-
8	1.9	-	-	-	0.2	-	-
9	-	-	-	-	-	0.1	8.7
10	20.0	-	-	-	-	0.0	1.8
11	0.7	0.4	1.1	-	0.2	0.0	-
12	15.0	0.8	0.0	-	-	0.1	-
13	27.0	-	-	-	-	-	-
14	72.0	-	-	-	-	-	-
15	31.0	-	-	0.0	-	0.2	-
16	-	-	-	-	-	-	-
17	2.4	1.9	-	-	0.5	0.3	-
18	-	-	-	0.2	-	-	-
19	-	0.4	-	1.3	-	0.1	-
20	-	1.7	-	0.2	0.2	-	-
21	52.0	0.2	0.2	1.0	-	0.2	-
22	-	-	-	-	0.2	0.2	-
23	7.8	2.2	-	0.1	-	-	-
24	4.9	-	0.1	0.2	0.0	0.0	-
25	5.3	1.4	0.6	-	0.2	0.1	-
26	-	-	0.4	0.2	0.1	0.3	-
27	1.2	-	-	-	-	-	-
28	1.6	-	-	-	0.3	-	-
29	2.6	-	0.2	-	0.2	-	0.3
30	-	-	0.1	-	0.1	-	0.4
31	5.5	0.2	0.2	0.2	0.2	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

CONCENTRATION OF MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	N 24	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	0.06	0.06	0.08	-	-	-	-	-	-	-	-	-
4	-	0.51	-	-	-	0.32	0.67	-	0.01	0.65	0.02	0.04	0.12	-	-	-	5.94	-	0.06	-
5	-	-	-	-	-	-	0.50	-	0.05	0.15	-	-	-	-	-	-	-	-	0.02	-
6	-	-	0.44	-	0.40	-	0.60	-	0.37	0.01	-	0.38	0.10	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	0.28	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	0.38	-	-	0.04	0.12	-	-	-	-	-	-	-	-	-
9	-	-	0.76	-	-	-	-	-	0.07	0.02	0.20	-	-	-	0.13	-	-	-	0.18	0.09
10	-	-	-	-	-	0.06	0.29	-	0.02	0.01	0.07	0.14	-	-	0.16	0.16	-	-	0.11	0.08
11	-	-	0.45	3.24	-	0.07	0.13	-	0.20	-	0.03	0.03	0.10	0.16	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	0.11	0.06	-	-	-	-	-	-	-	-	0.99	-
14	-	-	-	-	-	-	-	-	0.24	0.11	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	0.22	0.20	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	0.47	-	0.19	0.44	-	-	-	-	-	-	-	-	0.77	-
17	-	-	-	-	-	-	0.48	-	0.44	0.20	0.10	-	-	-	-	-	-	-	1.65	-
18	-	-	-	6.40	-	0.09	0.32	-	0.23	0.27	-	-	-	-	-	-	-	-	0.77	-
19	-	-	-	-	0.86	-	2.75	-	0.29	-	-	-	-	-	-	-	-	-	2.42	-
20	-	-	-	-	-	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-
21	-	-	0.25	0.60	0.10	0.01	0.22	0.02	0.12	-	-	0.03	0.05	-	0.06	-	-	0.44	0.10	-
22	0.06	0.07	-	0.61	0.27	0.05	0.33	0.03	0.13	0.03	0.04	-	-	0.16	-	0.03	0.65	0.35	0.15	-
23	0.22	0.15	0.28	0.37	1.25	0.81	4.62	0.04	0.32	0.07	0.50	-	-	-	-	-	-	-	4.29	-
24	-	-	-	5.50	0.60	0.20	1.85	-	0.25	0.11	-	-	-	-	-	-	-	-	0.67	-
25	-	1.11	-	3.70	0.74	0.08	0.44	-	0.04	0.07	-	-	-	-	-	-	-	-	0.16	-
26	-	-	-	-	-	0.52	-	-	0.10	0.38	-	-	-	0.54	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	0.22	-	-	-	0.18	0.22	-	-	-	-
28	0.07	0.05	0.10	-	0.34	0.02	0.19	0.04	-	-	-	-	0.18	-	0.05	0.12	-	0.26	0.12	-
29	0.50	0.35	-	-	1.08	0.04	0.17	-	-	-	0.36	-	0.12	-	-	0.12	1.46	0.87	0.21	0.35
30	0.11	0.08	0.25	-	0.62	0.07	0.15	-	0.51	0.84	-	0.24	0.54	-	-	0.16	1.56	0.54	0.26	0.06
31	0.05	0.05	0.24	-	0.07	0.28	-	-	-	0.14	-	-	-	-	-	-	1.47	0.22	0.10	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

DATE	* IC 1	** N 01	** N 03	** N 05	** N 06	** N 07	** N 08	** N 09	** N 10	** N 14	** N 15	** N 16	** N 17	** N 18	** N 19	** N 20	** N 21	** N 22	** N 23	** N 24
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	4.2	1.8	2.5	-	-	-	-	-	-	-	-
4	1.2	-	7.9	-	-	-	21.9	15.1	-	0.6	0.7	0.5	2.5	3.8	-	-	-	8.7	-	2.7
5	0.1	-	-	-	-	-	-	14.0	-	0.5	0.0	-	-	-	-	-	-	-	-	0.4
6	-	-	-	3.0	-	7.3	-	9.5	-	-	0.0	-	16.0	8.8	-	-	-	-	-	-
7	0.3	-	-	-	-	-	-	-	-	-	8.4	-	-	-	-	-	-	-	-	-
8	0.7	-	-	-	-	-	-	8.4	-	-	3.3	6.7	-	-	-	-	-	-	-	-
9	-	-	-	4.9	-	-	-	-	-	1.5	2.9	7.8	-	-	-	8.8	-	-	-	6.0
10	0.0	-	-	-	-	-	8.3	16.2	-	1.2	0.5	6.2	7.7	-	-	6.0	7.0	-	-	9.0
11	0.0	-	-	3.1	74.2	-	1.4	2.6	-	0.5	-	3.2	0.2	1.5	13.6	-	-	-	-	-
12	0.0	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-
13	0.0	-	-	-	-	-	-	-	-	1.7	0.6	-	-	-	-	-	-	-	-	4.8
14	0.0	-	-	-	-	-	-	-	-	0.9	1.2	-	-	-	-	-	-	-	-	-
15	0.0	-	-	-	-	-	-	-	-	1.8	0.2	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	3.5	-	0.3	0.1	-	-	-	-	-	-	-	-	5.2
17	9.4	-	-	-	-	-	-	4.4	-	0.6	0.0	1.6	-	-	-	-	-	-	-	3.5
18	-	-	-	-	5.5	-	0.9	1.1	-	0.3	0.2	-	-	-	-	-	-	-	-	2.3
19	-	-	-	-	-	6.2	-	3.6	-	0.3	-	-	-	-	-	-	-	-	-	1.0
20	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-
21	0.0	-	-	1.9	1.0	0.1	0.1	0.7	0.6	0.0	-	-	1.1	7.8	-	0.5	-	-	6.8	0.4
22	-	0.9	0.4	0.2	0.5	0.5	0.1	0.0	0.4	0.0	0.4	0.3	-	-	4.1	0.5	0.2	2.3	0.8	0.1
23	0.7	0.4	0.2	0.6	5.8	0.7	0.3	1.1	0.5	0.1	0.4	1.7	-	-	-	-	-	-	-	0.2
24	8.8	-	-	-	2.0	0.1	0.2	1.0	-	0.1	1.3	-	-	-	-	-	-	-	-	0.6
25	0.5	-	4.4	-	3.3	3.7	1.1	1.9	-	0.0	0.5	-	-	-	-	-	-	-	-	0.6
26	-	-	-	-	-	-	5.5	-	-	0.4	-	-	-	-	8.1	-	-	-	-	-
27	0.9	-	-	-	-	-	-	-	-	-	-	8.2	-	-	-	15.8	13.0	-	-	-
28	0.0	9.5	7.1	10.4	-	17.6	3.9	3.3	5.3	-	-	-	-	15.1	-	12.8	12.0	-	9.4	5.8
29	0.1	5.2	4.7	8.0	-	7.8	2.0	2.9	-	-	-	17.9	-	9.6	-	-	5.6	10.3	6.5	3.8
30	-	3.5	2.7	6.1	-	5.1	2.0	2.2	-	4.3	0.8	-	15.1	12.0	-	-	10.3	14.5	5.8	2.9
31	0.5	1.3	1.9	2.5	-	2.6	-	-	-	-	0.3	-	-	-	-	-	-	6.6	1.3	2.3

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY MARKED WITH ASTERISKS

DATE	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1 *	SF 2 *	SF 3 *	SF 4 *	SF 5 *	UK 1 *
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-
4	-	-	-	2.1	-	-	-	-	-	-	1.7	4.0	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	21.3	-	-	-	-	-	-	-	-	1.7	1.2	-	-
7	-	21.3	-	-	-	-	-	-	-	-	-	-	-	-
8	-	21.3	-	-	-	-	-	-	-	-	-	9.8	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	2.1	12.5
10	-	-	-	-	-	-	-	-	-	-	-	-	0.3	10.7
11	-	-	7.6	5.0	0.0	-	-	-	2.1	-	-	6.8	3.3	-
12	-	-	-	2.3	-	-	-	-	4.6	3.9	-	-	7.2	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	1.3	-	-	-	-	-	0.5	-	5.6	-
16	-	-	-	-	0.0	-	-	-	-	-	-	-	0.0	-
17	-	-	-	0.0	-	-	-	5.3	0.5	-	-	0.3	0.0	-
18	-	11.0	1.7	-	0.0	-	-	5.9	-	-	1.1	-	-	-
19	4.9	11.0	-	0.0	1.2	3.7	-	0.6	0.0	-	4.5	-	0.0	-
20	-	2.4	1.0	-	0.0	-	-	-	1.5	-	1.1	0.5	-	-
21	-	2.4	-	-	-	-	-	-	2.2	1.3	4.1	-	0.0	-
22	-	2.4	0.0	-	0.0	-	-	0.7	-	-	-	4.0	2.5	-
23	4.8	-	-	0.0	0.0	1.7	-	10.0	0.5	-	0.9	-	-	-
24	-	-	-	-	-	-	-	-	9.3	0.9	2.2	0.5	0.5	-
25	-	-	-	-	0.0	-	-	-	1.9	1.4	-	2.2	0.5	-
26	-	-	-	-	-	-	-	-	-	3.9	1.4	0.6	1.2	-
27	-	22.0	-	-	-	-	-	-	-	-	-	-	-	-
28	14.8	22.0	-	-	-	-	11.0	-	-	-	-	-	-	-
29	-	22.0	-	-	7.9	-	17.4	-	-	8.0	-	12.8	-	8.0
30	-	-	-	2.0	3.9	-	8.7	-	-	5.5	-	2.5	-	6.7
31	-	-	5.3	-	-	-	-	-	1.1	2.6	3.5	4.6	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

PH IN PRECIPITATION

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	5.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	4.20	4.50	6.45	-	-	-	-	-	-	-
4	-	5.80	-	4.15	-	-	-	3.45	4.10	-	4.90	5.35	6.20	4.35	4.30	-	-	-	3.70	-
5	-	4.90	-	-	-	-	-	-	5.85	-	5.95	5.20	-	-	-	-	-	-	-	-
6	-	-	-	-	6.30	-	7.15	-	7.15	-	-	5.20	-	5.05	4.55	-	-	-	-	-
7	-	5.60	-	-	-	-	-	-	-	-	-	3.75	6.40	-	-	-	-	-	-	-
8	-	6.20	-	-	-	-	-	-	5.42	-	-	4.35	6.55	-	-	-	-	-	-	-
9	-	-	-	-	6.70	-	-	-	-	-	5.65	4.35	6.40	-	-	-	6.15	-	-	-
10	-	6.70	-	-	-	-	-	3.95	3.90	-	4.85	4.95	4.35	4.10	-	-	6.20	6.45	-	-
11	-	5.90	-	-	6.55	3.58	-	6.25	4.80	-	6.05	-	4.80	4.15	5.65	6.35	-	-	-	-
12	-	6.10	-	-	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-
13	-	6.20	-	-	-	-	-	-	-	-	5.70	5.85	-	-	-	-	-	-	-	-
14	-	5.60	-	-	-	-	-	-	-	-	5.85	4.80	-	-	-	-	-	-	-	-
15	-	6.40	-	-	-	-	-	-	-	-	5.45	5.05	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	5.55	-	3.05	5.35	-	-	-	-	-	-	-	-
17	-	5.20	-	-	-	-	-	-	6.55	-	5.40	5.30	6.75	-	-	-	-	-	-	-
18	-	-	-	-	-	6.25	-	5.75	5.55	-	5.25	5.45	-	-	-	-	-	-	-	-
19	4.40	-	-	-	-	-	6.95	-	6.40	-	5.55	6.00	-	-	-	-	-	-	-	-
20	4.20	-	-	-	-	-	-	-	-	-	5.40	-	-	-	-	-	-	-	-	-
21	4.30	5.40	-	-	6.10	5.70	6.10	5.60	5.45	5.80	6.65	-	-	4.85	4.00	-	5.75	-	-	5.05
22	4.40	-	5.25	4.80	5.70	4.85	5.55	5.80	5.55	5.20	6.30	5.15	5.50	-	-	6.80	-	5.40	4.80	5.50
23	4.20	4.90	5.25	5.25	6.35	6.60	5.65	5.70	5.35	5.60	5.95	5.30	6.25	-	-	-	-	-	-	-
24	-	6.90	-	-	-	5.75	6.00	5.35	5.45	-	5.65	5.70	-	-	-	-	-	-	-	-
25	4.20	6.90	-	5.90	-	6.20	5.75	4.65	4.65	-	6.05	5.10	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	4.50	-	-	6.60	-	-	-	-	6.05	-	-	-	-
27	-	5.40	-	-	-	-	-	-	-	-	-	-	3.90	-	-	-	3.50	3.70	-	-
28	-	6.30	3.80	3.90	3.90	-	3.65	4.00	4.30	4.00	-	-	-	-	4.20	-	3.75	3.75	-	3.95
29	-	6.50	3.90	4.00	5.85	-	4.10	4.30	4.15	3.95	-	-	-	-	4.15	-	-	4.20	3.85	5.00
30	4.30	-	4.15	4.25	4.45	-	4.15	4.30	4.75	4.10	4.35	4.90	-	3.80	4.00	3.60	-	4.35	3.80	4.10
31	-	6.30	4.35	4.55	5.90	-	4.49	-	-	4.70	-	6.00	-	-	-	-	-	-	6.85	4.50

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

PH IN PRECIPITATION

DATE	N 24	S 01	S 02	S 05	S 06	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	6.70	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	4.40	-	-	-	-	-	-	4.16	4.97	6.35	-	-
5	5.00	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	6.78	6.89	6.95	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	4.20	5.87	4.03	-	-
9	4.00	-	-	-	-	-	-	-	-	-	5.21	4.55
10	3.95	-	-	-	-	-	-	-	-	-	5.85	4.30
11	-	-	-	-	-	-	4.55	3.82	-	4.52	4.57	-
12	-	-	-	-	-	-	6.58	4.60	-	-	4.13	-
13	4.55	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	6.48	-	5.48	-
16	4.05	-	-	-	-	-	-	-	7.75	-	7.21	-
17	5.75	-	-	-	-	-	6.91	-	6.68	6.29	6.70	-
18	6.00	-	-	-	-	-	-	-	7.09	-	-	-
19	5.15	6.59	-	-	4.80	-	5.14	6.71	4.65	6.15	5.41	-
20	-	-	-	-	-	-	7.20	5.92	5.25	5.32	-	-
21	4.80	-	-	-	-	-	7.00	4.69	6.57	7.66	4.79	-
22	5.15	-	-	-	-	5.95	7.05	6.56	-	4.12	4.59	-
23	5.60	6.44	-	4.37	-	7.07	4.32	-	4.89	-	-	-
24	5.30	-	-	-	-	-	6.38	4.99	5.25	5.29	6.13	-
25	4.90	-	-	5.09	-	-	6.91	4.70	6.92	4.89	4.56	-
26	-	-	-	-	-	-	-	4.69	6.77	5.18	7.41	-
27	-	-	6.36	-	-	-	-	-	-	-	-	-
28	3.90	-	6.36	-	-	-	-	4.48	-	7.72	-	-
29	4.05	-	6.36	-	-	-	4.06	4.00	-	3.66	7.42	4.95
30	4.45	-	-	-	-	-	-	4.16	8.13	4.69	-	4.36
31	4.30	-	-	-	-	-	6.19	4.39	4.81	4.36	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	76	27	-129	-	-	-	-	-	-	-
4	-	NEG	-	71	-	-	-	+52	65	-	22	-16	-22	30	72	-	-	-	291	-
5	-	*13	-	-	-	-	-	-	-46	-	-4	0	-	-	-	-	-	-	-	-
6	-	-	-	-	-180	-	-376	-	NEG	-	-	3	-	-14	52	-	-	-	-	-
7	-	NEG	-	-	-	-	-	-	-	-	-	175	NEG	-	-	-	-	-	-	-
8	-	NEG	-	-	-	-	-	-	NEG	-	-	49	-20	-	-	-	-	-	-	-
9	-	-	-	-	-436	-	-	-	-	-	4	37	NEG	-	-	-	NEG	-	-	-
10	-	NEG	-	-	-	-	-	128	126	-	19	16	46	70	-	-	NEG	-124	-	-
11	-	NEG	-	-	-186	200	-	-64	3	-	-24	-	12	65	-12	-138	-	-	-	-
12	-	NEG	-	-	-	-	-	-	-	-	-	NEG	-	-	-	-	-	-	-	-
13	-	NEG	-	-	-	-	-	-	-	-	7	-32	-	-	-	-	-	-	-	-
14	-	NEG	-	-	-	-	-	-	-	-	-57	10	-	-	-	-	-	-	-	-
15	-	NEG	-	-	-	-	-	-	-	-	-23	0	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-18	-	4	-1	-	-	-	-	-	-	-	-
17	-	NEG	-	-	-	-	-	-	NEG	-	-14	-5	-124	-	-	-	-	-	-	-
18	-	-	-	-	-	-92	-	-44	-23	-	-13	5	-	-	-	-	-	-	-	-
19	*40	-	-	-	-	-	NEG	-	NEG	-	-41	NEG	-	-	-	-	-	-	-	-
20	*63	-	-	-	-	-	-	-	-	-	-13	-	-	-	-	-	-	-	-	-
21	*50	NEG	-	-	-203	-2	-10	-9	-1	-248	-134	-	-	8	116	-	-25	-	-	10
22	*40	-	-4	5	-8	0	-8	-9	-9	0	-138	0	12	-	-	-300	-	-8	1	-21
23	*63	*13	13	12	-186	-104	-30	-12	-4	6	-43	-13	-105	-	-	-	-	-	-	-
24	-	NEG	-	-	-	-8	-4	-14	-2	-	-34	NEG	-	-	-	-	-	-	-	-
25	*63	NEG	-	-3	-	-10	NEG	20	9	-	-35	8	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	30	-	-	-114	-	-	-	-	NEG	-	-	-	-
27	-	NEG	-	-	-	-	-	-	-	-	-	-	110	-	-	-	384	202	-	-
28	-	NEG	158	114	119	-	236	100	53	120	-	-	-	-	63	-	180	180	-	109
29	-	NEG	112	87	0	-	87	50	61	110	-	-	-	-	70	-	-	60	156	27
30	*50	-	66	51	27	-	79	50	11	75	45	13	-	84	100	250	-	45	153	79
31	-	NEG	37	30	-74	-	41	-	-	20	-	-52	-	-	-	-	-	-	-166	14

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	NEG	-
3	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-
4	56	-	-	-	37	-	-	-	-	-	66	8	NEG	-	-
5	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	0	-	-	-	-	-	-	-	-	NEG	NEG	NEG	-
7	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	0	-	-	-	-	-	-	-	*63	NEG	68	-	-
9	100	-	-	-	-	-	-	-	-	-	-	-	-	NEG	19
10	119	-	-	-	-	-	-	-	-	-	-	-	-	NEG	41
11	-	-	-	63	56	13	-	-	-	25	*151	-	30	28	-
12	-	-	-	-	21	-	-	-	-	NEG	28	-	-	75	-
13	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	0	-	-	-	-	-	NEG	-	NEG	-
16	79	-	-	-	-	0	-	-	-	-	-	NEG	-	NEG	-
17	0	-	-	-	0	-	-	-	-	NEG	-	NEG	NEG	NEG	-
18	-35	-	0	18	-	0	-	-	0	-	-	NEG	-	-	-
19	-8	NEG	0	-	19	17	0	-	0	12	NEG	*22	NEG	NEG	-
20	-	-	17	25	-	21	-	-	-	NEG	NEG	26	NEG	-	-
21	-3	-	17	-	-	-	-	-	-	NEG	40	8	NEG	15	-
22	-1	-	17	16	-	0	-	-	0	NEG	NEG	-	67	23	-
23	-17	0	-	-	19	0	17	-	-356	16	-	14	-	-	-
24	1	-	-	-	-	-	-	-	-	NEG	11	11	7	NEG	-
25	3	-	-	-	-	0	-	-	-	NEG	20	NEG	12	26	-
26	-	-	-	-	-	-	-	-	-	-	22	NEG	8	NEG	-
27	-	-	210	-	-	-	-	-	-	-	-	-	-	-	-
28	122	32	210	-	-	-	-	90	-	-	*33	-	NEG	-	-
29	86	-	210	-	-	132	-	227	-	99	115	-	222	NEG	8
30	44	-	-	-	0	83	-	155	-	-	75	NEG	21	-	49
31	45	-	-	31	0	-	-	-	-	NEG	40	12	42	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	DK 1	DK 2	DK 3	DK 5	DK 6	F 01	IC 1	N 01	N 03	N 09	N 21	N 22	N 23	NL 1	NL 2	NL 3
1	-	7	3	6	-	-	28	0	3	0	-	15	2	72	31	44
2	-	7	16	6	6	22	25	0	3	0	7	26	6	83	33	45
3	-	7	13	9	16	32	5	0	4	2	7	8	5	80	16	36
4	-	7	10	53	19	42	4	9	6	15	12	9	2	116	25	59
5	-	4	13	22	34	50	23	0	6	3	11	3	3	-	33	48
6	-	4	7	12	13	-	30	0	0	3	11	1	-	180	173	106
7	-	4	7	12	13	-	16	0	20	3	5	7	6	76	94	50
8	-	11	10	12	9	-	4	1	0	11	7	26	3	23	33	28
9	8	18	13	24	6	33	5	3	20	8	2	43	-	24	21	15
10	8	18	16	21	6	19	7	20	9	8	7	45	25	154	40	70
11	8	11	7	9	6	13	27	3	0	0	2	8	4	46	18	17
12	8	11	3	6	3	-	26	0	4	0	5	9	3	1	3	6
13	8	14	7	12	3	-	25	0	2	0	3	29	3	2	1	6
14	8	11	7	6	10	-	25	0	0	4	3	34	2	6	8	13
15	8	7	7	12	10	-	25	0	3	5	3	13	2	0	0	6
16	-	10	6	9	-	54	25	5	0	3	2	9	6	0	2	9
17	-	82	10	6	-	38	5	2	0	3	1	7	2	0	10	6
18	-	125	10	6	-	20	4	-	0	6	1	6	2	0	2	3
19	-	173	10	6	-	50	24	4	0	6	0	0	0	2	2	2
20	-	14	6	9	-	28	4	1	0	3	5	4	0	0	0	0
21	-	10	6	9	-	28	4	0	0	5	3	5	0	0	0	0
22	-	10	6	6	-	28	22	0	0	0	4	3	0	7	0	1
23	7	8	7	6	-	0	8	0	0	0	-	6	3	14	7	8
24	10	4	3	6	-	22	22	0	0	0	-	8	1	20	1	8
25	7	4	3	3	-	15	24	6	0	2	-	4	1	47	24	28
26	7	4	7	19	-	13	6	5	0	2	-	9	14	53	52	37
27	7	8	16	19	-	-	4	46	32	14	-	49	27	45	31	26
28	7	8	16	12	-	-	7	12	17	30	-	38	4	59	9	17
29	7	8	15	6	-	-	23	6	0	7	-	12	2	13	44	37
30	-	8	6	12	-	2	8	9	0	3	8	10	-	56	47	58
31	8	8	6	24	-	13	4	10	0	5	2	11	-	38	19	38

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	13	0	0	0	13	-	-	-	-	8	-	-	5	17
2	4	0	0	0	0	-	-	-	122	18	70	47	13	26
3	0	0	0	0	0	-	-	-	23	21	8	15	10	31
4	25	0	0	0	24	-	-	-	15	42	0	11	7	36
5	0	0	0	0	0	-	-	-	13	18	0	10	7	23
6	0	0	0	0	0	-	-	-	15	32	0	0	5	33
7	0	0	0	55	0	-	-	-	8	16	0	0	5	41
8	0	0	0	0	0	-	-	-	23	24	0	11	10	17
9	0	0	0	0	9	-	-	-	15	16	0	0	6	17
10	0	0	0	0	0	-	-	-	18	37	8	12	0	18
11	0	0	0	0	0	-	-	-	16	17	16	0	0	15
12	0	0	0	0	0	-	-	-	16	14	16	0	0	-
13	32	0	0	0	0	-	-	-	8	13	8	0	5	4
14	0	0	0	0	0	-	-	-	0	11	0	0	0	-
15	0	0	0	0	0	-	-	-	0	5	0	0	0	9
16	0	0	0	0	0	-	-	-	24	31	30	15	15	3
17	0	0	0	0	0	-	-	0	15	8	26	15	17	5
18	0	0	0	0	0	0	-	0	28	5	33	17	17	7
19	0	0	0	0	0	0	-	0	33	0	27	13	16	3
20	0	0	0	0	0	0	-	0	33	0	28	13	14	3
21	0	0	0	0	0	0	-	0	28	0	28	13	15	25
22	0	0	0	0	0	0	-	72	15	0	20	11	15	12
23	0	0	0	0	0	-	-	0	8	10	12	0	15	35
24	0	0	0	0	0	0	0	0	11	10	0	0	16	36
25	0	0	0	0	0	0	0	0	10	16	0	0	10	40
26	0	0	0	0	0	0	0	0	0	13	0	0	0	60
27	0	0	0	0	0	0	0	0	11	8	7	0	0	31
28	0	0	0	0	0	0	0	0	34	16	0	0	0	27
29	0	0	0	22	0	0	104	0	15	11	0	0	0	15
30	0	0	0	22	0	0	0	0	9	16	11	7	7	35
31	0	0	0	22	0	0	0	0	9	28	7	0	2	59

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	DK 1	DK 2	DK 3	DK 5	DK 6	IC 1	NL 1	NL 2	NL 3	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	1.0	22.5	15.8	25.8	2.3	9.0	2.6	-	3.7	-	-	1.6	14.0
2	-	-	-	-	-	0.7	19.2	17.5	20.8	4.3	14.8	3.4	1.6	5.1	3.6	1.9	1.2	16.0
3	-	-	-	-	-	0.7	15.0	12.5	15.0	8.3	9.6	6.1	10.5	5.0	4.3	6.2	9.1	13.0
4	-	-	-	-	-	0.2	16.6	15.8	20.8	7.8	1.1	13.2	11.8	9.7	8.5	5.0	2.8	16.0
5	-	-	-	-	-	0.2	-	21.6	17.5	7.8	0.7	13.0	4.7	2.8	2.2	0.6	0.2	9.0
6	-	-	-	-	-	0.5	35.0	56.6	63.3	2.9	2.0	8.0	3.5	2.7	1.6	1.1	0.6	13.0
7	-	-	-	-	-	0.5	38.3	45.8	37.5	5.3	5.8	18.7	3.2	5.3	3.7	2.2	1.1	14.0
8	-	-	-	-	-	0.2	24.2	44.1	21.6	22.2	6.7	18.7	27.1	6.9	3.3	6.7	0.8	8.0
9	-	-	-	-	-	0.2	27.5	25.0	14.1	22.1	7.2	16.0	21.9	8.9	6.2	9.0	5.0	11.0
10	-	-	-	-	-	0.0	55.8	29.1	25.0	19.6	4.7	13.7	12.5	16.5	8.8	1.0	2.7	5.0
11	-	-	-	-	-	0.2	25.0	17.5	11.6	6.4	0.8	6.6	-	15.9	9.6	13.9	0.6	16.0
12	-	-	-	-	-	0.5	7.5	2.5	1.6	4.4	1.1	0.8	20.8	5.3	8.0	10.7	0.9	-
13	-	-	-	-	-	1.2	3.3	0.8	0.8	10.8	1.2	8.0	7.7	7.9	4.7	9.6	10.4	1.0
14	-	-	-	-	-	1.0	11.7	10.0	6.6	7.9	1.3	5.6	6.9	5.8	3.4	6.7	12.3	1.0
15	-	-	-	-	-	1.2	9.2	4.6	2.5	1.9	0.6	1.9	1.8	2.1	1.5	1.6	1.5	1.0
16	-	-	-	-	-	0.5	3.3	5.0	3.3	2.3	0.6	1.7	1.0	12.8	1.0	0.6	0.5	1.0
17	-	-	-	-	-	1.2	12.5	5.0	3.3	1.1	0.6	0.8	1.3	1.6	0.4	0.3	0.5	4.0
18	-	-	-	-	-	1.4	3.3	2.5	0.8	1.4	0.0	0.9	1.3	0.5	0.9	0.9	1.0	2.0
19	-	-	-	-	-	0.7	4.6	1.6	0.8	1.9	1.0	0.6	1.9	1.8	2.8	2.2	1.1	7.0
20	-	-	-	-	-	1.5	2.5	0.0	0.8	2.0	1.1	0.7	2.5	2.6	4.6	3.0	0.9	4.0
21	-	-	-	-	-	1.5	2.5	0.0	0.8	1.0	0.8	1.3	0.7	3.3	4.1	3.2	2.1	5.0
22	-	-	-	-	-	1.0	5.0	1.6	3.3	2.5	0.8	1.7	1.8	2.2	14.5	9.7	1.5	4.0
23	-	-	-	-	-	0.5	3.3	2.5	4.6	2.5	1.4	0.7	1.3	6.4	11.1	1.0	6.7	3.0
24	-	-	-	-	-	0.2	4.6	3.3	4.6	1.1	1.8	0.2	3.7	3.2	2.9	0.7	6.5	5.0
25	-	-	-	-	-	0.0	18.3	12.5	6.6	2.6	0.7	2.0	1.3	2.6	1.3	0.8	3.4	8.0
26	-	-	-	-	-	0.5	20.8	19.1	13.3	1.0	0.5	5.9	1.5	2.9	0.7	0.7	1.1	12.0
27	-	-	-	-	-	0.0	11.7	10.0	6.6	2.6	1.3	15.2	4.8	3.8	1.1	0.9	0.6	5.0
28	-	-	-	-	-	0.2	10.8	4.6	5.0	13.2	2.2	17.4	27.0	2.7	3.0	2.5	0.6	3.0
29	-	-	-	-	-	0.0	9.2	11.6	5.8	12.1	2.5	9.6	9.9	5.4	1.0	5.5	1.1	3.0
30	-	7.1	11.9	1.8	-	0.2	20.8	14.1	8.3	5.4	0.8	7.1	7.2	3.3	3.0	1.4	1.6	6.0
31	0.5	1.4	20.8	0.7	9.6	0.2	27.5	19.1	11.6	5.4	1.2	9.0	5.5	9.5	3.7	1.7	1.4	11.0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	N 24
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	52	31	3	-	-	-	-	-	-	-	-
4	12	-	2	-	-	-	22	30	-	16	3	2	4	2	-	-	-	4	-	9
5	2	-	-	-	-	-	-	14	-	1	-	-	-	-	-	-	-	-	-	0
6	-	-	-	3	-	4	-	2	-	-	-	-	9	9	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-	-	-
8	1	-	-	-	-	-	-	2	-	-	14	2	-	-	-	-	-	-	-	-
9	-	-	-	3	-	-	-	-	-	4	13	2	-	-	-	6	-	-	-	3
10	6	-	-	-	-	-	27	29	-	23	3	11	3	-	-	2	5	-	-	122
11	5	-	-	3	7	-	1	9	-	1	-	17	43	4	77	-	-	-	-	-
12	9	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
13	7	-	-	-	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-	3
14	14	-	-	-	-	-	-	-	-	1	6	-	-	-	-	-	-	-	-	-
15	27	-	-	-	-	-	-	-	-	5	4	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	8	-	2	4	-	-	-	-	-	-	-	-	19
17	87	-	-	-	-	-	-	0	-	4	-	3	-	-	-	-	-	-	-	2
18	-	-	-	-	3	-	2	8	-	4	1	-	-	-	-	-	-	-	-	3
19	-	-	-	-	-	1	-	0	-	4	-	-	-	-	-	-	-	-	-	3
20	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
21	29	-	-	5	3	0	0	5	1	-	-	-	10	62	-	2	-	-	14	0
22	-	9	4	2	6	9	4	-	5	-	1	2	-	-	16	3	2	19	7	2
23	14	1	1	1	38	3	9	11	1	4	1	2	-	-	-	-	-	-	-	2
24	50	-	-	-	8	0	2	6	-	1	1	-	-	-	-	-	-	-	-	4
25	3	-	3	-	4	3	22	35	-	-	3	-	-	-	-	-	-	-	-	25
26	-	-	-	-	-	-	5	-	-	1	-	-	-	-	3	-	-	-	-	-
27	4	-	-	-	-	-	-	-	-	-	-	6	-	-	-	13	30	-	-	-
28	2	64	32	66	-	35	39	23	28	-	-	-	-	12	-	19	21	-	81	9
29	1	31	38	15	-	19	42	78	-	-	-	9	-	10	-	-	2	33	6	38
30	-	27	24	23	-	23	18	36	-	4	6	-	11	8	-	-	5	28	31	7
31	3	8	15	7	-	18	-	-	-	-	0	-	-	-	-	-	-	7	2	45

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	S 01	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	3	-	-	-	-	-	-	6	13	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	2	2	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	6	-	-
9	-	-	-	-	-	-	-	-	-	-	-	2	25
10	-	-	-	-	-	-	-	-	-	-	-	1	32
11	-	91	6	-	-	-	-	9	-	-	14	68	-
12	-	-	18	-	-	-	-	6	37	-	-	34	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	1	-	-	-	-	-	10	-	25	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	12	1	-	-	0	-	-
18	-	9	-	-	-	-	5	-	-	1	-	-	-
19	15	-	-	1	5	-	4	-	-	8	-	-	-
20	-	7	-	-	-	-	-	1	-	2	2	-	-
21	-	-	-	-	-	-	-	1	3	3	-	-	-
22	-	-	-	-	-	-	1	-	-	-	12	3	-
23	43	-	-	-	6	-	71	6	-	4	-	-	-
24	-	-	-	-	-	-	-	7	9	11	6	5	-
25	-	-	-	-	-	-	-	1	2	-	2	0	-
26	-	-	-	-	-	-	-	-	4	2	3	2	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	15	-	-	-	-	4	-	-	-	-	-	-	-
29	-	-	-	21	-	10	-	-	6	-	27	-	6
30	-	-	16	5	-	8	-	-	12	-	10	-	20
31	-	103	-	-	-	-	-	4	5	20	9	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	935	473	-129	-	-	-	-	-	-	-
4	-	NEG	-	14	-	-	-	452	130	-	601	-72	-68	50	37	-	-	-	139	-
5	-	*130	-	-	-	-	-	-	-46	-	-7	NEG	-	-	-	-	-	-	-	-
6	-	-	-	-	-195	-	-188	-	NEG	-	-	38	-	-8	53	-	-	-	-	-
7	-	NEG	-	-	-	-	-	-	-	-	-	700	NEG	-	-	-	-	-	-	-
8	-	NEG	-	-	-	-	-	-	NEG	-	-	206	-5	-	-	-	-	-	-	-
9	-	-	-	-	-278	-	-	-	-	-	10	163	NEG	-	-	-	NEG	-	-	-
10	-	NEG	-	-	-	-	-	410	227	-	365	99	83	31	-	-	NEG	-95	-	-
11	-	NEG	-	-	-166	20	-	-38	11	-	-70	-	65	455	-36	-786	-	-	-	-
12	-	NEG	-	-	-	-	-	-	-	-	-	NEG	-	-	-	-	-	-	-	-
13	-	NEG	-	-	-	-	-	-	-	-	15	-32	-	-	-	-	-	-	-	-
14	-	NEG	-	-	-	-	-	-	-	-	-68	46	-	-	-	-	-	-	-	-
15	-	NEG	-	-	-	-	-	-	-	-	-60	NEG	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-43	-	30	-42	-	-	-	-	-	-	-	-
17	-	NEG	-	-	-	-	-	-	NEG	-	-84	-41	-223	-	-	-	-	-	-	-
18	-	-	-	-	-	-55	-	-106	-166	-	-176	26	-	-	-	-	-	-	-	-
19	*119	-	-	-	-	-	NEG	-	NEG	-	-533	NEG	-	-	-	-	-	-	-	-
20	*164	-	-	-	-	-	-	-	-	-	-111	-	-	-	-	-	-	-	-	-
21	*226	NEG	-	-	-361	-7	-15	-41	-8	-273	-951	-	-	72	923	-	-102	-	-	21
22	*175	-	-39	55	-79	*155	-136	-353	-174	NEG	-1711	NEG	75	-	--1184		-	-79	8	-174
23	*227	*63	37	89	-337	-676	-135	-355	-39	10	-1570	-39	-148	-	-	-	-	-	-	-
24	-	NEG	-	-	-	-34	-6	-126	-11	-	-245	NEG	-	-	-	-	-	-	-	-
25	*114	NEG	-	-2	-	-12	NEG	392	167	--	1025	50	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	27	-	-	-182	-	-	-	-	NEG	-	-	-	-
27	-	NEG	-	-	-	-	-	-	-	-	-	-	77	-	-	-	307	463	-	-
28	-	NEG	1056	513	758	-	472	+00	371	624	-	-	-	-	48	-	270	321	-	937
29	-	NEG	677	696	NEG	-	209	1045	1647	-	-	-	-	-	71	-	-	19	497	24
30	*20	-	504	459	101	-	356	450	179	-	45	96	-	61	64	326	-	20	304	417
31	-	NEG	228	234	-193	-	287	-	-	-	-	-73	-	-	-	-	-	-	-169	21

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA OCTOBER 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	NEG	-
3	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-
4	190	-	-	-	59	-	-	-	-	-	13	28	NEG	-	-
5	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	NEG	NEG	NEG	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	*6	NEG	41	-	-
9	50	-	-	-	-	-	-	-	-	-	-	-	-	NEG	38
10	1607	-	-	-	-	-	-	-	-	-	-	-	-	NEG	123
11	-	-	-	756	73	20	-	-	-	105	*76	-	60	580	-
12	-	-	-	-	164	-	-	-	-	NEG	266	-	-	352	-
13	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	NEG	-	NEG	-
16	284	-	-	-	-	-	-	-	-	-	-	NEG	-	NEG	-
17	NEG	-	-	-	-	-	-	-	-	NEG	-	NEG	NEG	NEG	-
18	-39	-	-	90	-	-	-	-	-	-	-	NEG	-	-	-
19	-26	NEG	-	-	55	10	*22	-	-	174	NEG	*43	NEG	NEG	-
20	-	-	-	177	-	27	-	-	-	NEG	NEG	49	NEG	-	-
21	-4	-	-	-	-	-	-	-	-	NEG	96	6	NEG	13	-
22	-23	-	-	456	-	-	-	-	NEG	NEG	NEG	-	201	23	-
23	-185	NEG	-	-	143	*86	60	--	2528	182	-	57	-	-	-
24	6	-	-	-	-	-	-	-	-	NEG	113	52	85	NEG	-
25	125	-	-	-	-	NEG	-	-	-	NEG	24	NEG	13	18	-
26	-	-	-	-	-	-	-	-	-	-	24	NEG	37	NEG	-
27	-	-	NEG	-	-	-	-	-	-	-	-	-	-	-	-
28	195	32	NEG	-	-	-	-	36	-	-	*3	-	NEG	-	-
29	851	-	NEG	-	-	356	-	136	-	59	92	-	466	NEG	6
30	110	-	-	-	-	116	-	139	-	-	135	NEG	85	-	147
31	882	-	-	1580	-	-	-	-	-	NEG	72	66	81	-	-

NORWEGIAN INSTITUTE FOR AIR RESEARCH

LRTAP GROUND SAMPLING STATIONS

MONTHLY SUMMARY OF RESULTS - NOVEMBER 1972

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS							
NR	CODE	NAME	FUNCTION	LAT.			LONG.				ALT.
1	A 01	KITTSEE	A	48	05	N	17	04	E		137
2	D 01	WESTERLAND	P	54	56	N	8	19	E		3
3	D 02	WALDHOF	A	52	48	N	10	46	E		73
4	DK 1	FÆRØERNE	A	62	04	N	6	58	W		740
5	DK 2	HANSTHOLM	A	57	07	N	8	36	E		46
6	DK 3	TANGE	A	56	21	N	9	35	E		13
7	DK 4	GNIBEN	A	56	00	N	11	17	E		3
8	DK 5	KELDSNOR	A	54	44	N	10	44	E		8
9	DK 6	DUEODDE	A	55	00	N	15	05	E		6
10	F 01	VERT-LE-PETIT	A	48	32	N	2	22	E		64
11	IC 1	RJUPNAHÆD	PA	64	05	N	21	51	W		120
12	N 01	BIRKELAND	PA	58	23	N	8	15	E		190
13	N 03	FINSLAND	PA	58	19	N	7	35	E		275
14	N 05	GJERSTAD	P	58	53	N	8	57	E		240
15	N 06	LISTA	P	58	06	N	6	34	E		13
16	N 07	MANDAL	P	58	03	N	7	27	E		138
17	N 08	SKREADALEN	P	58	49	N	6	43	E		475
18	N 09	SØYLAND	PA	58	41	N	5	59	E		263
19	N 10	TOVDAL	P	58	48	N	8	14	E		227
20	N 14	SKEI I JØLSTER	P	61	34	N	6	29	E		205
21	N 15	TUSTERVATN	P	65	50	N	13	55	E		439
22	N 16	TAGMYRA	P	61	25	N	12	04	E		536
23	N 17	KJELLER	P	59	59	N	11	03	E		120
24	N 18	LØKEN	P	59	48	N	11	27	E		150
25	N 19	BISLINGEN	P	60	14	N	10	37	E		680
26	N 20	GRIMELID	P	60	08	N	9	36	E		367
27	N 21	NOREFJELL	PA	60	13	N	9	31	E		810
28	N 22	VASSER	PA	59	04	N	10	26	E		35
29	N 23	LYNGØR	PA	58	38	N	9	08	E		20
30	N 24	FITJAR	P	59	55	N	5	19	E		20
31	NL 1	WAGENINGEN	A	51	58	N	5	38	E		7
32	NL 2	WITTEVEN	A	52	49	N	6	40	E		17
33	NL 3	DEN HELDER	A	52	55	N	4	47	E		0
34	S 01	EKERØD	PA	55	54	N	13	43	E		135
35	S 02	RAÖ	PA	57	23	N	11	55	E		5
36	S 03	SJÖÄNGEN	PA	58	46	N	14	18	E		125
37	S 04	RYDA KUNGSGARD	PA	59	46	N	17	05	E		30
38	S 05	BREDKÄLEN	PA	63	51	N	15	17	E		405
39	S 06	EKERUM	PA	56	48	N	16	31	E		4
40	S 07	RØRBÄCKSNÄS	PA	61	08	N	12	45	E		
41	S 08	HOBURG	PA	56	55	N	18	09	E		
42	SF 1	JOMALA	PA	60	11	N	19	59	E		15
43	SF 2	JOKIOINEN	PA	60	49	N	23	30	E		104
44	SF 3	PUUMALA	PA	61	34	N	28	04	E		120
45	SF 4	ÄHTÄRI	PA	62	31	N	24	13	E		154
46	SF 5	SODANKYLÄ	PA	67	22	N	26	39	E		178
47	UK 1	COTTERED	PA	51	58	N	0	06	W		

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	-	2.9	1.3	4.5	-	6.8	9.2	29.0	20.0	-	22.9	3.5	4.4	2.0	3.8	-	-	-	-	-
2	-	1.3	0.2	0.6	-	0.4	0.8	1.5	0.5	-	41.6	13.6	2.2	0.8	1.1	-	-	-	-	-
3	1.5	6.4	-	-	-	0.7	-	2.5	9.8	-	11.5	9.9	-	-	-	-	-	-	-	-
4	0.7	0.8	-	1.3	-	0.8	1.0	17.3	4.6	-	47.9	6.2	-	-	-	-	-	-	-	-
5	1.2	9.0	-	-	-	1.7	-	14.0	11.1	-	6.4	12.1	-	-	-	-	-	-	-	-
6	-	5.3	1.5	1.9	1.9	10.1	3.2	12.6	18.1	0.8	11.3	8.7	2.9	1.8	1.8	2.0	3.5	3.8	1.3	2.1
7	18.3	2.7	-	-	-	0.1	0.4	3.6	4.6	-	16.1	15.3	-	-	-	-	-	-	-	-
8	-	-	-	1.6	-	1.5	1.5	30.9	14.0	-	43.3	7.0	-	-	-	-	-	-	-	-
9	2.5	-	15.0	25.8	2.0	8.4	24.8	55.5	19.1	6.4	17.5	5.6	4.4	-	6.9	-	0.3	-	-	1.5
10	15.7	1.0	6.7	10.5	1.3	3.8	1.6	27.1	9.8	7.3	21.2	15.7	1.2	-	-	-	-	-	-	-
11	5.8	-	0.8	8.0	-	3.4	1.0	20.8	9.8	-	32.3	0.3	-	-	-	-	-	-	-	-
12	13.8	-	-	1.6	-	1.9	5.4	3.6	14.5	-	4.0	2.5	0.3	-	-	-	-	0.3	-	-
13	13.4	-	0.2	-	-	0.1	-	0.4	11.7	-	5.1	0.5	4.6	1.5	5.7	-	-	-	18.1	-
14	2.2	-	-	-	-	1.6	-	6.4	10.8	-	16.1	0.4	0.5	-	-	-	-	-	-	-
15	3.7	-	-	1.6	-	5.9	3.0	30.8	17.5	0.3	6.9	-	-	-	-	-	-	-	-	-
16	6.8	-	0.5	2.0	4.3	0.5	1.5	12.8	6.6	1.5	0.8	3.1	-	-	-	-	-	-	-	2.5
17	0.7	-	-	-	-	-	-	-	-	-	4.5	7.4	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	0.8	2.7	-	-	-	-	-	-	-	-
19	0.2	-	-	-	-	-	-	0.4	0.3	0.1	-	4.0	-	-	-	-	-	-	-	-
20	8.9	-	25.8	10.8	15.9	7.1	15.1	-	-	11.8	-	-	1.1	-	0.8	-	6.1	-	-	15.9
21	10.2	-	2.4	1.6	4.8	-	0.3	-	-	2.2	-	1.6	4.6	2.4	4.2	-	0.5	7.6	-	3.0
22	4.3	-	0.2	-	-	0.6	-	-	-	-	-	1.3	-	-	-	3.9	-	0.3	-	-
23	1.5	2.1	-	-	-	-	-	-	-	-	-	4.6	-	-	2.0	-	-	-	-	-
24	-	8.0	-	-	-	-	-	0.7	3.1	-	3.3	3.4	1.5	-	-	-	-	-	-	-
25	0.2	11.0	0.2	-	-	-	0.8	0.5	1.8	-	-	5.5	-	-	-	-	-	-	-	-
26	-	1.6	-	0.4	-	0.3	-	0.6	6.0	-	12.0	9.4	-	-	-	-	-	-	-	-
27	-	3.9	1.1	5.7	-	1.0	3.4	25.9	24.8	0.5	16.7	4.5	2.9	-	0.8	-	-	-	-	-
28	3.4	-	6.7	12.7	0.5	5.1	4.8	30.8	15.8	5.8	33.9	13.6	0.2	-	-	-	-	-	-	-
29	1.4	-	3.3	7.3	-	5.0	10.3	18.3	18.4	2.0	0.9	4.6	1.0	2.8	-	-	0.1	0.7	-	-
30	0.7	-	11.5	11.9	3.1	1.8	7.9	36.6	22.4	10.1	12.0	4.4	6.1	5.6	11.8	-	3.1	4.8	6.0	3.1

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

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DATE	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	27.2	1.5	-	14.7	7.9	7.8	6.0	6.5	5.6	12.0	9.7	-	1.0	0.1	-
2	20.9	-	-	-	1.6	-	-	2.1	-	0.6	0.2	-	0.1	-	-
3	2.2	2.0	-	-	0.7	-	-	-	2.3	4.4	7.3	5.3	4.7	4.8	-
4	13.3	-	-	-	-	-	-	-	0.2	-	-	1.3	-	0.1	-
5	2.8	-	-	-	2.9	-	-	-	-	8.7	1.5	6.7	3.7	-	-
6	19.1	-	-	-	1.5	-	7.0	1.7	2.6	3.1	0.1	3.7	0.9	0.3	3.0
7	5.8	24.0	-	-	-	-	6.8	-	16.9	-	1.3	2.1	0.5	3.5	10.0
8	11.5	-	-	-	-	-	-	-	-	-	-	0.3	-	3.0	-
9	29.0	9.0	-	-	-	1.0	-	6.9	3.0	-	-	0.1	-	1.2	5.0
10	3.8	10.0	-	11.2	4.6	2.3	1.9	5.1	2.0	5.4	8.9	11.1	11.4	3.9	1.0
11	5.1	2.0	-	-	-	1.9	-	-	-	-	0.6	0.3	1.2	2.2	-
12	10.5	2.0	-	5.5	0.1	0.9	-	-	14.8	1.9	1.1	5.7	1.6	3.5	17.0
13	7.3	24.0	-	10.1	-	11.0	8.5	2.4	7.0	0.5	1.4	2.0	0.1	0.1	-
14	14.3	-	-	-	2.8	8.7	-	9.8	2.9	-	-	5.1	-	-	-
15	10.5	3.0	-	-	1.0	-	-	-	-	-	0.1	1.4	1.0	5.1	0.6
16	3.4	-	3.5	-	1.4	-	0.9	-	-	-	0.2	0.8	0.4	2.1	0.5
17	-	-	-	4.7	-	-	1.7	-	-	0.6	1.5	1.7	0.3	0.4	-
18	-	-	-	-	-	-	-	-	-	0.5	0.4	0.1	1.5	1.8	3.0
19	-	-	-	-	-	-	-	-	-	-	-	0.1	0.5	2.8	10.0
20	-	11.0	-	5.0	1.1	-	2.8	0.4	1.1	-	0.3	-	-	0.8	-
21	-	3.0	9.8	13.2	2.5	15.0	3.2	15.2	1.2	-	0.8	2.5	0.2	0.2	-
22	-	-	-	-	7.0	17.0	0.6	2.4	0.8	-	0.5	9.5	3.9	1.9	-
23	-	1.0	-	-	-	-	4.8	2.5	-	3.3	1.2	2.0	1.0	-	-
24	4.1	-	-	-	-	2.8	-	2.6	-	3.2	-	-	-	-	-
25	-	-	-	-	0.1	2.9	-	-	3.4	0.2	-	0.2	1.8	1.4	3.0
26	28.0	-	-	-	-	2.9	-	-	1.2	-	2.7	0.3	1.5	0.6	-
27	37.9	-	0.9	2.7	-	-	-	1.1	0.5	0.3	-	1.2	0.9	1.1	1.0
28	9.2	5.0	-	-	0.1	-	-	-	-	-	4.7	7.0	6.0	0.6	-
29	25.8	5.0	0.8	3.6	-	-	-	1.7	-	-	4.8	2.0	1.1	0.4	0.3
30	18.5	6.0	-	1.5	3.0	18.5	-	7.5	1.1	2.5	2.9	2.4	0.4	0.4	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

OFFICIAL PRECIPITATION DATA (MM)

DATE	IC 1	N 03	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 20	N 24	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5
1	3.7	5.5	9.3	11.7	27.8	27.9	-	21.6	4.3	4.4	-	29.0	6.5	5.6	11.1	9.2	-	1.1	0.3
2	1.3	1.0	0.3	1.9	1.3	1.2	-	39.8	13.0	2.2	-	22.3	2.1	-	0.6	0.5	-	0.2	-
3	6.3	-	0.4	-	2.5	10.0	-	11.3	13.0	-	-	3.5	-	2.3	5.7	7.1	5.3	5.2	5.5
4	1.4	0.8	2.4	1.7	16.0	5.0	-	47.2	7.0	-	-	14.8	-	0.2	-	-	1.3	-	0.3
5	10.0	-	2.9	0.1	13.5	12.2	-	6.0	15.1	-	-	4.5	-	-	9.0	1.1	6.8	2.8	0.2
6	9.2	2.7	10.4	4.2	11.9	22.7	0.7	11.2	9.7	2.9	3.0	20.6	1.7	2.6	3.4	0.1	3.6	1.2	0.5
7	4.5	-	0.9	1.0	3.4	4.5	-	16.0	19.3	-	-	7.3	-	16.9	-	1.3	2.2	0.5	3.8
8	-	2.0	2.4	3.0	28.4	14.8	-	40.0	12.1	-	-	13.4	-	-	-	-	0.4	-	2.8
9	-	28.0	12.0	26.6	52.6	34.5	6.1	16.2	8.5	4.1	0.2	3.2	6.9	3.0	-	-	0.3	-	2.3
10	0.4	11.5	5.8	3.5	25.4	15.5	7.2	20.7	16.9	1.6	-	8.5	5.1	2.0	4.9	8.5	11.0	12.1	3.8
11	-	7.5	6.2	5.5	18.6	13.5	-	33.2	0.5	-	-	7.2	-	-	-	0.7	0.3	1.4	3.6
12	-	2.0	3.5	6.5	3.1	14.2	-	4.2	4.5	0.3	-	11.0	-	14.8	1.8	0.9	5.6	1.6	4.9
13	-	-	0.2	-	0.5	10.5	-	5.2	0.6	5.3	-	8.4	2.4	7.0	0.6	1.3	2.1	0.5	0.4
14	-	-	1.2	0.4	5.6	11.0	-	18.1	0.6	0.7	-	13.6	9.8	2.9	-	-	5.4	-	-
15	-	2.0	10.0	4.5	28.3	17.6	0.1	7.0	-	-	-	10.6	-	-	-	0.1	1.5	1.6	5.0
16	-	2.4	2.0	1.6	11.4	7.0	1.2	0.9	3.7	-	-	4.5	-	-	-	0.2	0.9	0.4	2.2
17	-	-	-	-	-	-	-	4.8	10.5	-	-	-	-	-	0.6	1.5	1.7	0.4	0.5
18	-	-	-	-	-	-	-	0.9	3.6	-	-	-	-	-	0.6	0.5	-	1.5	1.8
19	-	-	-	-	1.0	0.1	-	-	10.9	-	-	-	-	-	-	-	0.1	0.4	2.9
20	-	12.3	7.8	13.1	-	-	11.0	-	-	1.4	5.6	-	0.4	1.1	-	-	-	-	0.8
21	-	1.6	-	0.5	-	-	1.7	-	2.0	9.0	0.6	-	15.2	1.2	-	0.7	2.5	0.4	0.2
22	-	-	0.6	-	-	-	-	-	1.5	-	-	-	2.4	0.9	-	0.5	9.2	3.6	1.9
23	2.1	-	-	0.1	-	-	-	-	5.5	-	-	-	2.5	-	4.6	1.2	2.1	1.0	-
24	10.0	-	-	-	1.4	2.9	-	4.0	4.0	1.6	-	8.1	2.6	-	3.4	-	0.2	-	-
25	11.4	-	0.2	0.9	0.5	2.0	-	-	6.0	-	-	-	-	3.4	0.4	-	0.2	1.9	1.3
26	2.0	-	0.1	-	0.7	6.0	-	11.5	10.8	-	-	28.2	-	1.2	-	2.6	0.3	1.5	0.3
27	4.5	6.5	2.1	5.3	24.0	30.0	0.1	15.5	5.0	2.6	-	38.5	1.1	0.5	0.4	-	1.2	0.9	1.5
28	0.7	12.5	7.4	6.5	28.4	18.5	5.4	30.3	13.9	0.2	-	3.5	-	-	-	4.5	7.1	5.2	0.8
29	0.1	7.6	7.4	12.9	17.4	27.0	1.6	0.8	5.5	1.0	0.1	26.2	1.7	-	-	4.6	1.9	1.1	0.8
30	-	11.5	3.0	8.4	37.3	31.0	9.5	11.6	5.1	5.8	3.0	18.5	7.5	1.1	2.7	2.9	2.5	0.6	0.5

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

CONCENTRATION OF SODIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	IC 1	S 02	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	23.0	3.0	0.8	0.1	0.1	-	-	-	-
2	30.0	57.5	-	1.0	-	-	-	-	-
3	6.2	57.5	4.1	0.6	0.0	0.1	0.0	0.0	-
4	24.0	36.0	0.7	-	-	0.2	-	-	-
5	27.0	36.0	-	0.4	0.2	0.2	0.0	-	-
6	-	36.0	5.4	0.5	-	0.5	0.3	1.3	0.1
7	11.0	5.0	0.2	-	0.1	0.7	0.3	0.1	0.5
8	-	5.0	-	-	-	1.6	-	0.1	-
9	-	13.0	3.2	-	-	-	-	0.1	0.7
10	15.0	13.0	4.1	0.4	0.2	0.1	0.1	0.0	0.3
11	-	65.0	-	-	2.1	1.4	0.8	0.0	-
12	-	65.0	0.9	0.4	0.9	0.2	0.7	0.1	0.1
13	-	65.0	2.1	-	0.4	1.9	-	-	-
14	-	9.6	1.3	-	-	0.1	-	-	-
15	-	9.6	-	-	-	0.3	0.3	0.1	2.0
16	-	33.0	-	-	-	0.3	0.3	0.1	0.8
17	-	33.0	-	0.4	0.1	0.7	-	0.1	-
18	-	-	-	1.6	0.4	-	0.2	0.0	4.2
19	-	-	-	-	-	-	0.3	0.1	1.5
20	-	-	7.7	-	-	-	-	0.3	-
21	-	10.2	3.4	-	0.2	0.2	-	-	-
22	-	10.2	5.2	-	-	0.0	0.0	0.0	-
23	8.7	-	-	1.0	0.1	0.1	0.0	-	-
24	2.6	-	-	0.2	-	-	-	-	-
25	1.6	-	0.5	-	-	-	0.1	0.3	0.8
26	26.0	-	0.5	-	0.2	-	0.1	-	-
27	0.7	82.0	1.1	-	-	0.2	0.4	0.3	8.5
28	-	82.0	-	-	0.3	0.1	0.1	-	-
29	-	43.0	-	-	0.3	0.8	0.2	-	13.0
30	-	-	20.0	0.3	0.1	0.4	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

CONCENTRATION OF MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	N 24	UK 1
1	-	0.07	-	1.87	0.52	0.11	0.19	-	0.42	0.11	0.03	0.10	0.08	-	-	-	-	-	0.21	-
2	-	0.55	-	11.44	0.72	0.51	0.97	-	0.01	0.08	0.04	0.19	0.12	-	-	-	-	-	0.26	-
3	-	-	-	5.28	-	0.33	0.23	-	0.41	0.36	-	-	-	-	-	-	-	-	0.10	-
4	-	0.42	-	2.55	0.56	0.13	0.47	-	0.08	0.14	-	-	-	-	-	-	-	-	0.21	-
5	-	-	-	2.86	-	0.12	0.28	-	0.57	0.09	-	-	-	-	-	-	-	-	1.80	-
6	0.20	0.18	0.14	0.47	0.25	0.03	0.12	0.03	0.25	0.37	0.04	0.06	0.08	0.12	0.02	2.02	7.60	0.38	0.11	0.02
7	-	-	-	-	1.20	0.77	0.88	-	0.54	0.15	-	-	-	-	-	-	-	-	1.46	0.03
8	-	0.68	-	6.16	1.50	0.22	0.61	-	0.33	0.17	-	-	-	-	-	-	-	-	1.40	-
9	0.25	0.19	0.30	5.28	0.76	0.15	0.40	0.17	0.13	0.14	0.05	-	0.29	-	-	-	-	3.40	0.40	0.10
10	0.89	2.80	1.20	13.65	5.39	1.50	1.80	1.25	0.28	0.01	0.06	-	-	-	-	-	-	-	3.90	0.03
11	0.39	0.20	-	5.20	1.20	0.33	0.84	-	0.06	0.12	-	-	-	-	-	-	-	-	1.30	-
12	-	0.53	-	4.20	0.53	0.11	0.25	-	0.07	-	0.26	-	-	-	-	0.41	-	-	0.23	0.01
13	-	-	-	-	-	0.24	0.17	-	0.05	0.16	0.03	0.07	0.30	-	-	-	1.50	-	0.36	-
14	-	-	-	4.00	-	0.29	0.54	-	0.04	-	0.74	-	-	-	-	-	-	-	1.20	-
15	-	0.36	-	3.00	0.60	0.13	0.79	1.00	0.05	-	-	-	-	-	-	-	-	-	0.70	0.13
16	-	0.03	0.12	7.20	0.68	0.23	1.40	-	0.10	0.02	-	-	-	-	-	-	-	0.66	0.25	0.07
17	-	-	-	-	-	-	0.00	-	0.08	0.18	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	0.12	0.59	-	-	-	-	-	-	-	-	-	0.50
19	-	-	-	-	-	1.40	1.85	-	-	0.41	-	-	-	-	-	-	-	-	-	0.19
20	0.25	1.23	0.35	0.75	0.56	-	-	0.20	-	-	0.24	-	0.32	-	0.22	-	-	1.50	-	-
21	0.01	0.37	0.05	-	0.48	-	-	0.12	-	0.08	0.02	0.03	0.03	-	-	0.16	-	0.30	-	-
22	-	-	-	-	-	-	-	-	-	0.05	-	-	-	0.32	-	0.03	-	-	-	-
23	-	-	-	-	-	-	-	-	-	0.20	-	-	0.08	-	-	-	-	-	-	-
24	-	-	-	-	-	0.50	0.50	-	0.32	0.07	0.04	-	-	-	-	-	-	-	0.40	-
25	-	-	-	-	0.70	0.95	0.56	-	-	0.06	-	-	-	-	-	-	-	-	-	0.13
26	-	4.77	-	-	-	0.29	0.15	-	0.02	0.12	-	-	-	-	-	-	-	-	0.05	-
27	0.28	3.40	-	-	1.60	0.13	0.29	0.12	0.01	0.17	0.03	-	0.09	-	-	-	-	-	0.32	0.40
28	0.53	1.11	0.42	7.30	1.95	0.41	1.10	0.19	0.04	0.01	-	-	-	-	-	-	-	-	1.40	-
29	0.10	2.02	-	3.20	0.38	0.07	0.53	0.06	0.06	0.02	0.06	0.10	-	-	-	0.11	-	-	0.11	1.10
30	0.13	1.56	0.13	6.40	0.41	0.09	0.14	0.05	0.03	0.01	0.03	0.05	0.12	-	0.02	0.02	2.30	0.87	0.16	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	*	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	N 24
1	0.0	2.0	1.7	-	2.3	2.7	0.8	1.0	-	0.3	0.0	1.7	3.7	2.1	-	-	-	-	-	3.8
2	0.0	-	3.5	-	12.9	7.7	4.3	5.9	-	0.1	0.1	0.8	4.3	2.3	-	-	-	-	-	2.9
3	1.2	-	-	-	3.8	-	0.6	0.7	-	0.4	0.1	-	-	-	-	-	-	-	-	2.3
4	0.9	-	1.4	-	1.2	0.6	0.3	1.0	-	0.1	0.0	-	-	-	-	-	-	-	-	0.8
5	0.0	-	-	-	0.8	-	0.2	0.5	-	0.3	0.0	-	-	-	-	-	-	-	-	0.6
6	-	3.8	2.9	1.1	1.9	4.0	0.4	0.5	0.8	0.2	0.0	0.5	4.5	4.0	3.7	0.3	0.7	3.6	2.8	0.4
7	0.0	-	-	-	-	1.2	0.8	0.7	-	0.1	3.4	-	-	-	-	-	-	-	-	0.1
8	-	-	1.1	-	0.9	1.3	0.3	0.5	-	0.1	0.1	-	-	-	-	-	-	-	-	-0.1
9	-	1.5	1.1	1.9	2.1	1.8	0.9	1.4	1.5	0.3	0.2	2.0	-	3.1	-	-	-	-	3.4	0.9
10	0.0	1.0	0.0	0.9	0.7	2.2	0.4	0.5	0.4	0.0	0.1	1.0	-	-	-	-	-	-	-	-0.8
11	-	1.2	0.6	-	0.5	0.3	0.0	0.0	-	0.0	0.7	-	-	-	-	-	-	-	-	0.0
12	-	-	0.6	-	0.7	0.4	0.2	0.2	-	0.1	0.5	3.2	-	-	-	-	5.7	-	-	0.7
13	-	-	-	-	-	-	1.0	0.1	-	0.5	0.9	1.4	2.7	2.7	-	-	-	0.0	-	0.6
14	-	-	-	-	0.8	-	0.0	0.0	-	0.1	-	0.7	-	-	-	-	-	-	-	-1.0
15	-	-	0.6	-	0.0	0.2	0.0	0.0	0.0	0.1	-	-	-	-	-	-	-	-	-	0.5
16	-	-	0.4	1.1	0.0	1.1	0.1	0.0	1.0	0.4	0.0	-	-	-	-	-	-	-	2.4	1.1
17	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	0.7	0.0	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	2.3	20.4	-	-	0.0	-	-	-	-	-	-	-	-	-
20	-	1.3	1.3	1.0	5.2	2.3	-	-	1.1	-	-	3.1	-	9.1	-	2.2	-	-	0.8	-
21	-	0.4	0.3	0.8	-	8.0	-	-	0.5	-	1.0	0.9	1.7	1.1	-	-	4.5	-	2.6	-
22	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	4.1	-	3.3	-	-	-
23	1.3	-	-	-	-	-	-	-	-	-	0.3	-	-	2.7	-	-	-	-	-	-
24	0.0	-	-	-	-	-	2.8	1.2	-	1.7	0.2	0.7	-	-	-	-	-	-	-	0.6
25	0.4	-	-	-	-	2.0	4.5	2.9	-	-	0.1	-	-	-	-	-	-	-	-	-
26	0.0	-	3.6	-	-	-	3.8	0.7	-	0.3	0.0	-	-	-	-	-	-	-	-	0.1
27	3.6	4.1	2.7	-	-	5.3	1.5	1.5	3.4	0.3	0.0	0.5	-	5.7	-	-	-	-	-	1.5
28	-	1.6	1.7	4.3	0.0	0.3	0.3	0.5	0.6	0.3	0.0	-	-	-	-	-	-	-	-	0.6
29	-	2.4	1.5	-	8.3	2.3	0.8	1.2	2.1	0.5	0.0	0.6	2.9	-	-	-	6.5	-	-	1.0
30	-	1.0	1.2	2.8	3.7	3.1	0.9	1.3	1.2	0.6	0.1	0.5	3.0	2.7	-	1.3	1.5	6.3	5.3	0.9

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY MARKED WITH ASTERISKS

DATE	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
		*						*	*	*	*	*	*	*
1	31.9	4.5	3.6	5.9	0.0	9.6	1.4	3.0	1.9	1.8	-	1.7	-	-
2	-	13.5	-	3.4	-	-	2.4	-	5.6	-	-	-	-	-
3	15.8	13.5	-	-	-	-	-	7.0	2.4	0.7	1.7	0.8	0.2	-
4	-	11.5	-	-	-	-	-	5.0	-	-	2.3	-	-	-
5	-	11.5	-	3.2	-	-	-	-	1.0	1.4	3.2	1.4	-	-
6	-	11.5	-	3.6	-	13.5	3.9	5.8	2.1	-	0.9	2.1	0.3	1.8
7	3.8	4.8	-	-	-	1.4	-	1.3	-	3.3	0.8	-	0.5	1.9
8	-	4.8	-	-	-	-	-	-	-	-	-	-	0.3	-
9	4.8	4.3	-	-	0.0	-	2.2	5.0	-	-	-	-	0.0	2.5
10	9.6	4.3	1.3	1.4	2.4	6.1	1.0	5.6	3.1	3.8	3.3	2.6	0.0	1.7
11	6.0	8.7	-	-	1.9	-	-	-	-	-	-	2.2	0.0	-
12	4.3	8.7	0.7	7.7	3.7	-	-	1.7	1.3	3.5	3.4	2.0	-	1.8
13	1.4	8.7	3.2	-	1.8	2.5	-	1.9	-	2.7	8.5	-	-	-
14	-	1.6	-	5.9	0.0	-	0.0	2.8	-	-	1.8	-	-	-
15	2.9	1.6	-	5.3	-	-	-	-	-	-	2.2	2.1	0.0	4.8
16	-	5.8	-	6.7	-	2.0	-	-	-	-	2.2	-	0.5	6.2
17	-	5.8	1.5	-	-	4.4	-	-	-	1.8	2.3	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	1.1	0.6	6.8
19	-	-	-	-	-	-	-	-	-	-	-	-	0.9	5.5
20	5.8	-	3.6	2.2	-	5.8	-	8.3	-	-	-	-	0.7	-
21	6.1	2.6	2.2	10.3	2.1	4.4	1.3	6.8	-	5.6	3.4	-	-	-
22	-	2.6	-	3.7	1.2	6.2	2.9	10.4	-	-	1.1	0.6	0.8	-
23	7.9	-	-	-	-	4.9	3.3	-	5.4	1.7	1.1	0.8	-	-
24	-	-	-	-	0.0	-	0.0	-	6.4	-	-	-	-	-
25	-	-	-	-	0.0	-	-	2.4	-	-	-	0.5	0.3	4.1
26	-	-	-	-	0.0	-	-	2.5	-	1.4	-	1.4	-	-
27	-	14.1	10.7	-	-	-	-	1.7	-	-	4.1	2.2	0.6	4.8
28	9.1	14.1	-	-	-	-	-	-	-	1.8	1.5	1.8	-	-
29	3.4	31.0	4.1	-	-	-	1.6	-	-	0.0	1.9	1.3	-	0.3
30	5.8	-	4.2	4.6	0.0	-	1.7	7.2	2.8	1.7	0.6	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

PH IN PRECIPITATION

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19
1	-	5.80	4.50	4.75	-	4.25	4.40	4.75	4.65	-	4.75	5.20	5.05	4.30	4.60	-
2	-	5.70	-	4.50	-	4.45	3.90	4.25	4.30	-	5.00	5.15	5.15	4.40	4.95	-
3	3.40	5.60	-	-	-	6.30	-	4.95	5.15	-	5.40	5.40	-	-	-	-
4	-	5.30	-	5.12	-	5.60	5.70	5.10	5.60	-	5.55	5.45	-	-	-	-
5	3.80	5.90	-	-	-	5.05	-	5.25	5.15	-	5.60	5.35	-	-	-	-
6	-	-	4.35	4.75	5.00	4.40	4.20	5.15	5.05	5.85	5.80	5.25	5.60	4.40	4.70	4.90
7	4.20	5.90	-	-	-	-	5.50	5.60	5.20	-	5.30	5.45	-	-	-	-
8	-	-	-	5.70	-	5.10	4.85	5.35	6.05	-	5.90	5.55	-	-	-	-
9	3.90	-	4.50	4.55	4.95	4.30	4.35	4.45	4.55	4.45	6.75	5.55	4.75	-	4.30	-
10	4.40	7.00	4.80	5.10	5.50	5.65	4.85	4.90	5.20	5.20	4.95	5.15	5.45	-	-	-
11	6.50	-	5.60	5.55	-	5.70	5.50	5.25	5.05	-	5.45	5.65	-	-	-	-
12	5.00	-	-	5.35	-	5.60	5.55	5.80	5.40	-	6.10	-	6.90	-	-	-
13	6.70	-	-	-	-	-	-	6.45	5.45	-	5.75	4.62	5.40	6.70	4.35	-
14	6.20	-	-	-	-	5.80	-	5.20	5.40	-	5.55	-	6.65	-	-	-
15	6.10	-	-	6.05	-	5.35	5.60	5.35	5.45	-	6.35	-	-	-	-	-
16	4.90	-	-	6.10	5.60	5.80	5.20	5.25	5.35	-	6.35	4.90	-	-	-	-
17	4.90	-	-	-	-	-	-	-	-	-	5.40	5.15	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	6.55	5.15	-	-	-	-
19	-	-	-	-	-	-	-	5.70	4.06	-	-	5.45	-	-	-	-
20	4.10	-	4.60	4.30	4.80	4.60	4.50	-	-	4.65	-	-	5.95	-	5.80	-
21	4.20	-	4.65	5.65	4.50	-	5.00	-	-	5.05	-	4.70	4.50	4.85	4.45	-
22	4.20	-	-	-	-	4.95	-	-	-	-	-	5.20	-	-	-	6.05
23	4.30	6.40	-	-	-	-	-	-	-	-	-	4.70	-	-	4.75	-
24	-	5.00	-	-	-	-	-	6.55	4.85	-	5.90	5.60	5.20	-	-	-
25	-	5.50	-	-	-	-	4.75	6.00	5.40	-	-	5.55	-	-	-	-
26	-	6.10	-	5.95	-	-	-	4.45	5.35	-	5.75	5.40	-	-	-	-
27	-	5.20	4.10	4.30	-	5.75	4.05	4.70	4.65	6.20	6.15	5.55	6.05	-	5.90	-
28	4.00	-	4.80	4.75	6.10	5.10	5.05	5.10	4.95	5.15	5.80	5.45	-	-	-	-
29	4.00	-	4.25	4.40	-	4.30	4.50	4.75	4.60	4.50	6.35	5.65	5.20	4.95	-	-
30	4.00	-	4.35	4.40	5.10	4.30	4.25	4.65	4.45	4.55	5.25	5.10	5.00	4.30	4.40	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

PH IN PRECIPITATION

DATE	N 20	N 21	N 22	N 23	N 24	S 02	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	-	-	4.05	-	-	-	4.71	4.79	-	8.27	7.33	-
2	-	-	-	-	4.45	-	6.83	-	6.90	5.39	-	7.52	-	-
3	-	-	-	-	4.30	-	-	-	5.61	5.47	5.87	7.15	6.81	-
4	-	-	-	-	4.50	-	-	-	-	-	4.93	-	6.37	-
5	-	-	-	-	5.20	-	-	-	5.30	4.95	4.59	7.16	-	-
6	5.20	4.95	5.60	5.90	4.95	-	-	4.96	5.84	-	7.15	5.93	7.04	4.40
7	-	-	-	-	5.60	-	-	-	-	4.73	6.29	6.81	6.74	4.50
8	-	-	-	-	5.45	-	-	-	-	-	4.20	-	6.42	-
9	-	-	-	4.40	4.60	-	-	-	-	-	7.26	-	6.16	4.70
10	-	-	-	-	5.25	-	4.88	-	4.64	4.20	4.33	4.36	5.40	4.40
11	-	-	-	-	5.45	-	-	-	-	4.98	6.86	7.85	5.75	-
12	-	4.85	-	-	4.95	-	-	-	6.33	4.43	5.01	6.41	6.12	4.40
13	-	-	4.35	-	5.05	-	-	4.83	8.06	4.58	7.02	7.46	-	-
14	-	-	-	-	5.25	-	-	6.35	-	-	5.72	-	-	-
15	-	-	-	-	5.05	-	-	-	-	-	8.27	5.18	5.91	4.40
16	-	-	-	4.80	4.90	5.30	-	-	-	5.23	5.85	7.78	4.79	4.20
17	-	-	-	-	-	5.30	-	-	7.07	4.62	6.03	6.45	5.15	-
18	-	-	-	-	-	-	-	-	6.30	7.57	-	6.81	5.88	5.50
19	-	-	-	-	-	-	-	-	-	-	6.94	6.61	4.99	4.80
20	4.20	-	-	4.60	-	-	-	-	-	6.64	-	-	6.70	-
21	-	5.70	-	4.70	-	-	-	-	-	4.58	5.21	8.25	6.97	-
22	-	4.45	-	-	-	-	-	-	-	4.37	5.13	5.83	4.76	-
23	-	-	-	-	-	-	-	-	4.47	8.27	7.98	6.52	-	-
24	-	-	-	-	4.95	-	-	-	4.06	-	-	-	-	-
25	-	-	-	-	-	-	-	-	6.62	-	6.70	5.89	6.74	4.10
26	-	-	-	-	5.35	-	-	-	-	4.97	7.80	5.24	7.51	-
27	-	-	-	-	4.60	-	-	-	6.56	-	7.31	5.99	7.73	4.15
28	-	-	-	-	5.10	-	-	-	-	4.65	4.74	6.68	6.36	-
29	-	5.00	-	-	4.60	-	-	-	-	5.16	4.96	6.30	7.42	4.60
30	4.55	4.40	4.05	4.35	4.55	-	-	-	4.62	4.55	6.96	6.03	7.26	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	-	NEG	43	20	-	53	50	17	17	-	18	5	5	45	20	-	-	-	-	-
2	-	NEG	-	30	-	25	129	55	50	-	10	6	0	20	11	-	-	-	-	-
3	*398	NEG	-	-	-	NEG	-	10	-5	-	2	2	-	-	-	-	-	-	-	-
4	-	NEG	-	-30	-	-33	-30	-1	-9	-	-17	1	-	-	-	-	-	-	-	-
5	*158	NEG	-	-	-	9	-	2	0	-	-14	3	-	-	-	-	-	-	-	-
6	-	-	18	19	-1	40	63	-12	8	-24	-17	4	-14	20	-2	13	NEG	8	-14	-37
7	*63	NEG	-	-	-	-	0	-6	-7	-	4	1	-	-	-	-	-	-	-	-
8	-	-	-	-14	-	8	14	0	-55	-	-29	-26	-	-	-	-	-	-	-	-
9	*126	-	30	21	5	50	45	35	22	37	-222	-16	17	-	43	-	-	-	-	32
10	*40	NEG	10	-8	-24	-8	14	4	-2	-6	13	0	0	-	-	-	-	-	-	-
11	NEG	-	-57	-25	-	-26	-6	-4	-13	-	-25	0	-	-	-	-	-	-	-	-
12	NEG	-	-	-16	-	-7	-9	-15	-11	-	-64	10	NEG	-	-	-	-	13	-	-
13	NEG	-	-	-	-	-	-	NEG	0	-	-25	22	-5	-154	30	-	-	-	55	-
14	NEG	-	-	-	-	-24	-	-4	-13	-	-24	-	NEG	-	-	-	-	-	-	-
15	NEG	-	-	-64	-	-9	-9	-4	-4	-	-59	-	-	-	-	-	-	-	-	-
16	*13	-	-	-42	-13	-3	-16	-10	-9	0	NEG	-15	-	-	-	-	-	-	-	10
17	*13	-	-	-	-	-	-	-	-	-	-11	-13	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	NEG	-6	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	NEG	85	-	-	-19	-	-	-	-	-	-	-	-
20	*79	-	14	-1	6	23	28	-	-	21	-	-	-24	-	NEG	-	50	-	-	26
21	*63	-	3	-24	19	-	10	-	-	1	-	20	-8	9	25	-	-	-79	-	17
22	*63	-	-	-	-	5	-	-	-	-	-	5	-	-	-	-26	-	34	-	-
23	*50	NEG	-	-	-	-	-	-	-	-	-	6	-	-	14	-	-	-	-	-
24	-	NEG	-	-	-	-	-	NEG	-2	-	-47	-9	-8	-	-	-	-	-	-	-
25	-	NEG	-	-	-	-	5	NEG	0	-	-	-6	-	-	-	-	-	-	-	-
26	-	NEG	-	NEG	-	-	-	35	-9	-	-36	-5	-	-	-	-	-	-	-	-
27	-	NEG	68	30	-	-42	90	27	17	NEG	-19	-9	-21	-	NEG	-	-	-	-	-
28	*100	-	13	13	NEG	8	11	8	6	2	-22	-3	-	-	-	-	-	-	-	-
29	*100	-	58	41	-	40	45	13	22	27	-64	-14	-40	9	-	-	-	10	-	-
30	*100	-	43	27	0	40	50	24	28	19	-7	6	9	30	30	-	30	41	88	57

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	86	180	76	72	49	22	128	27	44	17	15	-	NEG	NEG	-
2	44	-	100	-	61	-	-	NEG	-	NEG	4	-	NEG	-	-
3	45	137	100	-	117	-	-	-	59	NEG	NEG	NEG	NEG	NEG	-
4	7	-	26	-	-	-	-	-	63	-	-	14	-	NEG	-
5	-5	-	26	-	35	-	-	-	-	6	8	27	NEG	-	-
6	6	-	26	-	68	-	96	22	*11	NEG	-	NEG	NEG	NEG	23
7	-4	59	55	-	-	-	21	-	19	-	16	NEG	NEG	NEG	21
8	0	-	55	-	-	-	-	-	-	-	-	74	-	NEG	-
9	23	85	47	-	-	41	-	29	143	-	-	NEG	-	NEG	12
10	5	106	47	42	47	63	81	*13	62	22	67	60	41	NEG	27
11	0	76	47	-	-	45	-	-	-	-	10	NEG	NEG	NEG	-
12	0	62	47	22	112	73	-	-	26	NEG	41	10	NEG	NEG	31
13	8	21	47	76	-	44	32	51	*15	NEG	28	NEG	NEG	-	-
14	2	-	26	-	109	21	-	24	NEG	-	-	NEG	-	-	-
15	8	17	26	-	82	-	-	-	-	-	-	NEG	NEG	NEG	55
16	15	-	NEG	-	106	-	19	-	-	-	NEG	NEG	NEG	15	83
17	-	-	NEG	24	-	-	75	-	-	NEG	20	NEG	NEG	7	-
18	-	-	-	-	-	-	-	-	-	NEG	NEG	-	NEG	NEG	NEG
19	-	-	-	-	-	-	-	-	-	-	-	NEG	NEG	8	15
20	-	-62	-	39	56	-	64	-	-32	-	NEG	-	-	NEG	-
21	-	67	59	76	152	55	66	66	18	-	25	NEG	NEG	NEG	-
22	-	-	59	-	149	37	118	60	75	-	43	5	NEG	8	-
23	-	45	-	-	-	-	106	29	-	34	NEG	NEG	NEG	-	-
24	10	-	-	-	-	15	-	122	-	93	-	-	-	-	-
25	-	-	-	-	-	-32	-	-	29	NEG	-	NEG	NEG	NEG	54
26	2	-	-	-	-	14	-	-	21	-	7	NEG	NEG	NEG	-
27	26	-	31	180	-	-	-	-	30	NEG	-	NEG	NEG	NEG	44
28	10	45	31	-	-	-	-	-	-	-	17	16	NEG	NEG	-
29	24	61	-62	77	-	-	-	-2	-	-	NEG	8	NEG	NEG	8
30	24	96	-	65	90	14	-	26	77	12	24	NEG	NEG	NEG	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	A 01	D 02	DK 1	DK 2	DK 3	DK 4	DK 5	DK 6	F 01	IC 1	N 01	N 03	N 09	N 21	N 22	N 23	NL 1	NL 2	NL 3	S 01
1	13	34	4	8	6	-	9	9	22	3	12	0	2	2	14	-	41	26	31	0
2	41	43	8	8	3	-	6	9	29	3	8	3	0	2	9	-	85	19	37	0
3	53	83	8	8	3	-	3	16	97	6	7	3	2	8	8	-	79	28	31	4
4	51	41	4	4	10	-	6	16	77	4	0	0	0	2	8	-	46	20	24	0
5	14	38	4	8	10	-	6	9	5	4	0	0	0	4	5	-	47	17	11	0
6	7	25	4	21	10	-	6	9	11	-	0	0	0	1	41	0	46	12	8	-
7	-	28	8	21	7	-	6	6	0	2	0	0	2	1	2	0	34	13	5	0
8	-	11	4	14	7	-	6	9	5	3	0	0	3	2	11	0	9	4	5	0
9	-	19	8	14	7	-	9	13	32	6	0	0	4	11	0	6	33	28	19	0
10	-	13	12	10	7	-	6	6	3	5	0	0	2	1	8	0	63	6	3	0
11	-	22	8	7	7	-	6	6	3	5	0	1	6	2	7	0	56	7	8	0
12	-	15	8	7	7	-	9	6	3	5	1	0	0	8	2	0	23	3	6	0
13	-	17	8	7	10	-	6	6	3	4	0	4	0	3	15	0	25	0	2	0
14	13	9	8	4	7	-	6	3	5	6	0	0	0	17	47	0	23	0	2	0
15	20	4	8	7	4	-	6	9	11	3	0	0	0	0	28	0	47	12	13	0
16	-	33	4	7	4	-	6	9	48	3	0	0	6	0	15	0	48	23	9	0
17	24	64	8	7	7	-	6	6	69	3	2	0	-	0	5	0	90	14	5	61
18	14	13	4	7	7	-	12	9	15	4	3	2	2	2	4	0	14	0	14	0
19	24	36	4	7	10	-	6	6	15	6	5	2	7	1	7	2	38	23	35	0
20	35	43	4	7	10	-	12	6	6	9	0	5	0	19	10	6	20	16	13	7
21	12	8	8	7	7	-	6	6	5	4	0	4	6	14	7	4	37	14	14	26
22	25	-	8	7	7	-	3	6	13	6	3	0	7	10	5	0	42	1	6	0
23	5	3	4	7	13	-	6	6	25	4	1	5	6	9	18	0	21	5	4	0
24	23	6	8	7	7	-	6	6	56	5	0	3	2	2	7	0	0	1	9	0
25	28	5	8	7	20	-	6	19	35	5	0	0	5	0	11	0	9	4	18	0
26	26	24	12	7	7	-	6	6	21	4	0	0	5	0	9	0	38	33	20	0
27	35	43	11	7	6	-	12	22	16	3	3	0	5	0	3	0	71	45	22	0
28	-	42	8	7	6	13	9	13	13	4	4	6	8	4	0	0	60	31	9	0
29	50	31	16	7	6	6	6	9	6	5	6	2	14	3	0	0	56	29	11	0
30	10	17	19	7	3	10	12	9	8	5	6	0	9	3	0	0	43	24	12	0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	0	0	0	0	0	0	0	8	8	7	0	22	57
2	0	0	0	0	0	0	0	8	13	3	0	6	32
3	0	0	0	0	0	0	0	8	21	4	10	7	32
4	0	0	0	0	0	0	0	7	11	4	0	7	16
5	0	0	0	0	0	0	0	4	15	4	0	5	10
6	0	0	0	0	0	0	0	7	8	3	7	3	10
7	0	0	0	0	0	0	0	7	18	7	0	4	18
8	0	0	0	0	0	0	0	7	24	10	4	5	51
9	0	0	0	0	0	0	0	13	21	7	0	2	26
10	0	0	0	0	0	0	0	11	12	14	4	3	18
11	0	0	0	0	0	0	0	7	7	11	3	6	7
12	0	0	0	0	0	0	0	3	6	10	0	5	17
13	0	0	0	0	0	0	0	0	5	3	3	4	36
14	0	0	0	0	0	0	0	10	6	0	6	8	137
15	0	0	0	0	0	0	0	3	12	6	6	12	49
16	0	0	0	0	0	0	0	3	44	7	3	8	101
17	0	0	7	0	0	0	0	3	14	10	9	4	127
18	0	0	0	0	0	0	0	3	5	10	0	2	145
19	0	0	0	102	0	0	0	0	8	3	3	2	29
20	0	0	0	0	0	0	0	6	33	9	6	0	16
21	0	0	0	0	0	0	0	7	9	17	3	4	20
22	0	0	0	0	0	4	0	10	23	20	0	1	29
23	0	0	17	0	0	0	0	6	18	13	0	5	47
24	-	0	0	0	0	0	0	0	5	0	3	5	100
25	-	0	0	0	0	0	0	3	9	0	3	0	42
26	-	0	0	0	0	0	0	0	10	3	3	2	47
27	-	0	0	0	0	0	0	6	23	14	6	1	22
28	-	0	0	0	0	0	0	0	9	10	10	4	21
29	-	0	0	0	0	0	0	0	36	7	6	2	13
30	0	0	0	0	0	0	0	7	6	7	9	2	19

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	A 01	DK 1	DK 2	DK 3	DK 4	DK 5	DK 6	F 01	IC 1	N 01	N 03	N 09	N 21	N 22	N 23	NL 1
1	19.4	0.6	0.8	4.9	-	12.2	11.4	-	1.1	1.6	1.6	0.2	0.5	6.7	1.6	19.2
2	8.7	0.5	0.5	5.9	-	0.0	12.7	-	1.0	1.9	1.1	1.6	0.7	4.6	2.4	21.7
3	8.2	0.6	1.6	3.8	-	6.7	19.2	-	0.7	0.6	1.3	0.0	0.2	4.7	1.7	18.3
4	19.2	0.4	0.5	1.6	-	0.8	10.2	-	0.6	0.2	0.8	0.7	0.3	2.6	0.4	16.7
5	13.2	0.5	0.4	1.9	-	0.0	7.8	-	0.8	0.4	0.5	0.8	0.0	1.1	0.4	13.3
6	7.0	0.8	0.2	5.5	-	4.2	10.1	-	0.6	0.7	0.5	0.7	-	5.6	1.5	11.7
7	-	0.4	0.8	2.3	-	2.2	5.6	-	0.6	0.5	0.1	0.0	0.1	1.7	0.6	8.3
8	-	0.6	0.2	1.6	-	1.1	8.0	-	0.2	0.4	0.3	0.6	0.1	2.1	0.5	2.5
9	-	0.5	1.3	3.2	-	4.4	5.6	-	0.3	1.2	0.7	0.9	0.2	5.8	1.8	5.8
10	-	0.6	0.5	0.8	-	2.4	5.4	-	0.2	0.5	1.1	3.7	0.4	2.8	0.9	4.2
11	-	0.1	0.2	0.8	-	1.9	6.5	-	0.5	-	0.3	0.3	0.1	2.1	0.2	2.5
12	-	0.4	0.2	1.2	-	1.4	4.4	-	0.3	0.0	0.0	0.3	0.1	2.3	0.2	1.7
13	-	0.5	0.4	1.4	-	1.1	0.8	-	0.3	0.1	0.0	0.3	0.2	6.8	0.4	2.5
14	8.0	0.7	0.6	0.7	-	0.6	0.4	5.7	0.2	0.1	0.2	0.3	0.2	15.9	0.4	3.3
15	4.9	0.2	0.4	0.6	-	0.5	1.9	4.0	0.2	0.2	0.0	0.5	0.1	15.7	0.2	5.8
16	-	0.7	0.6	1.9	-	2.6	1.4	3.0	0.2	0.2	0.2	0.2	0.0	3.4	2.1	8.3
17	12.8	1.1	0.4	3.0	-	1.3	4.8	3.8	0.0	0.4	0.3	0.2	0.1	0.1	1.8	15.0
18	6.8	0.4	0.6	2.2	-	1.3	1.7	4.9	0.0	0.0	0.1	0.2	0.2	0.3	0.1	3.3
19	3.8	0.6	0.7	2.0	-	2.8	2.2	4.9	0.2	0.6	0.7	1.8	0.6	0.2	1.1	6.7
20	10.8	0.5	2.4	7.8	-	0.4	2.6	0.3	0.0	0.9	1.0	0.0	0.8	4.9	1.4	2.5
21	6.6	0.8	1.3	3.7	-	2.0	1.2	0.6	0.6	0.8	0.4	1.5	1.2	3.1	1.1	2.5
22	1.9	0.7	0.7	4.3	-	1.8	1.1	3.7	0.4	0.9	1.6	0.8	0.9	3.0	1.2	3.3
23	4.8	0.6	1.2	3.6	-	1.3	3.2	5.2	0.8	1.1	1.0	0.8	0.8	1.5	0.8	0.8
24	7.0	0.0	0.5	2.8	-	1.6	4.6	5.3	0.2	0.1	0.3	0.7	0.2	1.3	0.3	1.7
25	4.0	0.0	0.5	2.3	-	1.1	4.7	11.4	0.6	0.8	0.9	0.9	0.1	7.5	0.5	3.3
26	6.3	0.1	0.5	2.8	-	8.0	4.4	8.0	0.2	0.9	0.4	1.2	0.1	6.9	1.1	5.8
27	7.8	0.2	0.2	5.2	-	7.9	10.3	10.4	0.1	1.4	1.4	1.8	0.1	4.1	1.6	5.8
28	-	0.7	0.2	2.6	2.2	6.7	11.4	10.4	0.2	0.8	1.5	0.6	0.3	0.5	1.4	4.2
29	-	0.0	0.0	2.6	2.0	1.3	10.7	5.4	0.1	1.1	0.3	1.4	0.1	1.5	1.5	8.3
30	29.9	0.4	0.5	4.8	3.6	4.8	12.5	5.1	0.1	1.3	2.0	1.3	0.2	2.0	2.5	6.7

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	NL 2	NL 3	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	11.7	16.7	4.1	4.4	1.0	4.3	1.8	2.0	0.3	4.6	16.0
2	5.8	11.7	1.2	1.8	0.2	3.5	1.8	0.8	1.3	1.1	9.0
3	11.7	9.2	3.0	0.0	0.0	2.6	1.4	3.0	2.0	0.6	12.0
4	5.0	6.7	0.5	1.2	0.0	3.4	2.3	1.9	0.7	1.9	5.0
5	5.0	5.0	0.5	1.4	0.7	0.8	1.0	1.8	0.7	0.6	4.0
6	5.0	4.2	1.4	1.9	0.5	0.6	2.2	1.0	1.3	1.3	4.0
7	4.2	2.5	1.0	1.1	0.0	1.8	1.7	0.9	0.7	0.7	3.0
8	0.8	1.7	0.5	1.0	0.0	0.9	3.2	2.9	0.8	1.9	7.0
9	5.0	5.0	1.9	3.0	1.1	2.0	1.0	1.9	1.1	0.3	3.0
10	2.5	1.7	1.0	2.8	0.5	3.9	4.8	1.1	0.6	1.4	2.0
11	0.8	1.7	0.8	2.0	0.5	13.7	2.5	2.2	1.7	0.9	1.0
12	0.8	1.7	0.5	2.5	2.3	3.9	1.1	2.0	1.1	1.1	2.0
13	0.8	1.7	2.3	2.4	1.1	3.3	2.0	4.1	1.3	0.2	4.0
14	0.8	0.8	1.3	3.8	0.7	1.3	5.1	2.5	2.9	0.4	13.0
15	2.5	1.7	0.6	5.0	0.7	2.0	1.3	1.0	3.9	0.4	5.0
16	5.0	1.7	0.8	3.8	0.2	1.2	3.1	1.7	5.1	0.8	9.0
17	7.5	0.8	1.9	2.5	0.6	3.4	2.2	3.9	3.7	1.4	12.0
18	0.8	1.7	0.1	1.3	0.0	0.8	0.9	1.4	3.0	1.7	18.0
19	5.0	7.5	1.1	1.1	0.0	0.9	1.3	0.9	4.6	0.4	5.0
20	1.7	2.5	1.9	3.1	2.0	1.3	1.7	1.5	1.4	2.0	2.0
21	1.7	1.7	2.8	6.6	2.2	-	2.3	3.5	5.1	1.9	3.0
22	0.8	4.2	2.5	4.3	3.2	6.9	3.4	6.4	1.4	1.5	5.0
23	1.7	2.5	3.8	4.4	1.6	6.8	2.8	3.7	2.0	1.7	4.0
24	2.5	1.7	0.7	1.0	0.5	1.5	1.4	1.5	1.2	0.9	9.0
25	3.3	0.8	1.0	1.1	0.1	1.5	1.5	2.7	2.7	1.5	6.0
26	6.7	11.7	0.0	2.0	1.1	1.5	1.5	4.1	2.2	0.1	8.0
27	10.0	13.3	2.6	2.9	0.2	3.4	2.2	3.2	1.0	1.4	5.0
28	6.7	10.0	2.8	1.0	0.2	2.9	1.8	2.5	1.5	2.2	3.0
29	3.8	3.3	0.7	1.7	0.2	1.3	1.3	2.5	0.7	0.7	2.0
30	4.2	3.3	4.4	3.4	1.8	2.9	2.5	2.4	1.8	1.1	3.0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	48	-	53	47	-	58	9	28	21	16	-	2	-	-
2	-	-	-	5	-	-	5	-	3	-	-	-	-	-
3	32	-	-	-	-	-	-	16	14	5	9	4	1	-
4	-	-	-	-	-	-	-	1	-	-	3	-	-	-
5	-	-	-	9	-	-	-	-	9	2	22	4	-	-
6	-	-	-	5	-	95	7	15	7	-	3	3	0	5
7	91	-	-	-	-	10	-	23	-	4	2	-	2	19
8	-	-	-	-	-	-	-	-	-	-	-	-	1	-
9	43	-	-	-	-	-	15	15	-	-	-	-	-	13
10	96	-	15	6	6	12	5	13	15	33	36	31	-	2
11	12	-	-	-	4	-	-	-	-	-	-	3	-	-
12	9	-	4	1	3	-	-	25	2	3	19	3	-	31
13	34	-	32	-	20	21	-	13	-	4	18	-	-	-
14	-	-	-	17	-	-	-	8	-	-	10	-	-	-
15	9	-	-	5	-	-	-	-	-	-	3	3	-	3
16	-	20	-	9	-	2	-	-	-	-	2	-	1	3
17	-	-	7	-	-	7	-	-	-	3	4	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	2	1	20
19	-	-	-	-	-	-	-	-	-	-	-	-	3	55
20	64	-	18	2	-	16	-	9	-	-	-	-	1	-
21	18	26	29	26	31	14	20	8	-	4	9	-	-	-
22	-	-	-	26	20	4	7	9	-	-	10	2	2	-
23	8	-	-	-	-	24	8	-	25	2	2	1	-	-
24	-	-	-	-	-	-	-	-	22	-	-	-	-	-
25	-	-	-	-	-	-	-	8	-	-	-	1	0	12
26	-	-	-	-	-	-	-	3	-	4	-	2	-	-
27	-	13	29	-	-	-	-	1	-	-	5	2	1	5
28	46	-	-	-	-	-	-	-	-	-	8	10	11	-	-
29	17	25	15	-	-	-	3	-	-	-	4	1	-	0
30	35	-	6	14	-	-	13	8	8	5	1	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	N 24
1	21	3	9	-	21	32	22	28	-	6	-	7	8	8	-	-	-	-	-	110
2	9	-	7	-	4	15	6	7	-	4	1	2	4	3	-	-	-	-	-	65
3	18	-	-	-	2	-	2	7	-	5	1	-	-	-	-	-	-	-	-	8
4	10	-	1	-	3	1	5	5	-	5	-	-	-	-	-	-	-	-	-	12
5	54	-	-	-	2	-	3	6	-	2	-	-	-	-	-	-	-	-	-	3
6	-	6	8	2	20	17	5	11	1	2	-	1	8	7	8	1	3	5	6	8
7	9	-	-	-	-	1	3	3	-	2	66	-	-	-	-	-	-	-	-	1
8	-	-	2	-	2	4	9	7	-	4	1	-	-	-	-	-	-	-	-	-1
9	-	22	31	4	25	48	47	48	9	5	2	8	-	22	-	-	-	-	5	3
10	1	7	-	1	4	8	10	8	3	-	2	2	-	-	-	-	-	-	-	-7
11	-	1	5	-	3	2	-	-	-	-	0	-	-	-	-	-	-	-	-	-
12	-	-	1	-	2	3	1	3	-	0	2	1	-	-	-	-	2	-	-	8
13	-	-	-	-	-	-	1	1	-	3	1	7	4	15	-	-	-	-	-	5
14	-	-	-	-	1	-	-	-	-	2	-	0	-	-	-	-	-	-	-	-14
15	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	5
16	-	-	1	5	-	2	1	-	1	0	-	-	-	-	-	-	-	-	6	5
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
20	-	34	16	16	41	30	-	-	12	-	-	4	-	7	-	12	-	-	13	-
21	-	1	0	4	-	4	-	-	1	-	2	8	4	5	-	-	34	-	8	-
22	-	-	-	-	-	-	-	-	-	-	0	-	-	-	16	-	1	-	-	-
23	7	-	-	-	-	-	-	-	-	-	2	-	-	5	-	-	-	-	-	-
24	3	-	-	-	-	-	4	3	-	7	1	1	-	-	-	-	-	-	-	5
25	9	-	-	-	-	2	2	6	-	-	1	-	-	-	-	-	-	-	-	-
26	11	-	-	-	-	-	3	4	-	3	-	-	-	-	-	-	-	-	-	3
27	17	5	18	-	-	28	36	45	0	5	-	1	-	5	-	-	-	-	-	58
28	-	11	21	2	-	2	9	9	3	9	-	-	-	-	-	-	-	-	-	5
29	-	8	11	-	61	30	14	32	3	0	-	1	8	-	-	-	5	-	-	26
30	-	12	14	9	11	26	34	40	11	7	1	3	17	32	-	4	7	42	16	17

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	D 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23
1	-	NEG	57	110	-	493	585	473	474	-	389	22	22	92	76	-	-	-	-	-
2	-	NEG	-	30	-	8	245	71	60	-	398	78	NEG	15	13	-	-	-	-	-
3	*597	NEG	-	-	-	NEG	-	25	-50	-	23	26	-	-	-	-	-	-	-	-
4	-	NEG	-	-40	-	-79	-51	-16	-45	-	-802	7	-	-	-	-	-	-	-	-
5	*190	NEG	-	-	-	26	-	27	NEG	-	-84	45	-	-	-	-	-	-	-	-
6	-	-	28	51	-2	416	265	-143	182	-17	-190	39	-41	37	-4	26	NEG	31	-18	-77
7	*1155	NEG	-	-	-	-	NEG	-20	-32	-	64	19	-	-	-	-	-	-	-	-
8	-	-	-	-28	-	19	42	NEG	-814	-	-1160	-315	-	-	-	-	-	-	-	-
9	*315	-	449	588	10	600	1197	1841	759	226	-3596	-136	70	-	298	-	-	-	-	49
10	*625	NEG	67	-92	-32	-46	49	102	-31	-43	269	NEG	NEG	-	-	-	-	-	-	-
11	NEG	-	-45	-188	-	-161	-33	-74	-176	-	-830	NEG	-	-	-	-	-	-	-	-
12	NEG	-	-	-32	-	-25	-59	-46	-156	-	-269	45	NEG	-	-	-	-	4	-	-
13	NEG	-	-	-	-	-	-	NEG	NEG	-	-130	13	-27	-225	172	-	-	-	998	-
14	NEG	-	-	-	-	-29	-	-22	-143	-	-434	-	NEG	-	-	-	-	-	-	-
15	NEG	-	-	-128	-	-90	-41	-113	-70	-	-413	-	-	-	-	-	-	-	-	-
16	*86	-	-	-101	-56	-6	-26	-114	-63	-	NEG	-56	-	-	-	-	-	-	-	25
17	*9	-	-	-	-	-	-	-	-	-	-53	-137	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	NEG	-22	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	NEG	9	-	-	-207	-	-	-	-	-	-	-	-
20	*707	-	361	-12	95	179	367	-	-	231	-	-	-34	-	NEG	-	280	-	-	414
21	*644	-	7	-38	91	-	5	-	-	2	-	40	-72	21	105	-	-	-604	-	51
22	*271	-	-	-	-	3	-	-	-	-	-	8	-	-	-	-103	-	11	-	-
23	*75	NEG	-	-	-	-	-	-	-	-	-	33	-	-	28	-	-	-	-	-
24	-	NEG	-	-	-	-	-	NEG	-6	-	-188	-36	-13	-	-	-	-	-	-	-
25	-	NEG	-	-	-	-	4	NEG	NEG	-	-	-36	-	-	-	-	-	-	-	-
26	-	NEG	-	NEG	-	-	-	24	-54	-	-414	-54	-	-	-	-	-	-	-	-
27	-	NEG	76	325	-	-88	477	648	510	NEG	-295	-45	-55	-	NEG	-	-	-	-	-
28	*340	-	87	163	NEG	59	72	227	111	11	-667	-42	-	-	-	-	-	-	-	-
29	*140	-	192	312	-	296	580	226	594	43	-51	-77	-40	25	-	-	-	7	-	-
30	*70	-	495	311	NEG	120	420	895	868	181	-81	31	52	168	353	-	90	196	532	176

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA NOVEMBER 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	2494	270	-	1058	387	172	768	176	246	189	138	-	NEG	NEG	-
2	981	-	-	-	98	-	-	NEG	-	NEG	2	-	NEG	-	-
3	158	274	-	-	82	-	-	-	136	NEG	NEG	NEG	NEG	NEG	-
4	104	-	-	-	-	-	-	-	13	-	-	18	-	NEG	-
5	-23	-	-	-	102	-	-	-	-	54	9	184	NEG	-	-
6	124	-	-	-	102	-	672	37	*29	NEG	-	NEG	NEG	NEG	69
7	-29	1416	-	-	-	-	143	-	321	-	21	NEG	NEG	NEG	210
8	NEG	-	-	-	-	-	-	-	-	-	-	30	-	NEG	-
9	74	765	-	-	-	41	-	200	429	-	-	NEG	-	NEG	60
10	43	1060	-	470	216	145	154	*67	124	108	570	660	495	NEG	27
11	NEG	152	-	-	-	85	-	-	-	-	7	NEG	NEG	NEG	-
12	*123	124	-	121	11	66	-	-	385	NEG	37	56	NEG	NEG	527
13	67	504	-	768	-	484	272	122	*104	NEG	36	NEG	NEG	-	-
14	27	-	-	-	305	183	-	235	NEG	-	-	NEG	-	-	-
15	85	51	-	-	82	-	-	-	-	-	-	NEG	NEG	NEG	33
16	68	-	NEG	-	148	-	17	-	-	-	NEG	NEG	NEG	33	42
17	-	-	NEG	113	-	-	128	-	-	NEG	30	NEG	NEG	4	-
18	-	-	-	-	-	-	-	-	-	NEG	NEG	-	NEG	NEG	NEG
19	-	-	-	-	-	-	-	-	-	-	-	NEG	NEG	23	150
20	-	-682	-	195	62	-	179	-	-35	-	NEG	-	-	NEG	-
21	-	201	578	1003	380	825	211	1003	22	-	17	NEG	NEG	NEG	-
22	-	-	-	-	1043	629	71	144	67	-	22	46	NEG	15	-
23	-	45	-	-	-	-	509	73	-	156	NEG	NEG	NEG	-	-
24	81	-	-	-	-	42	-	317	-	316	-	-	-	-	-
25	-	-	-	-	-	-93	-	-	99	NEG	-	NEG	NEG	NEG	162
26	56	-	-	-	-	41	-	-	25	-	18	NEG	NEG	NEG	-
27	1001	-	28	486	-	-	-	-	15	NEG	-	NEG	NEG	NEG	44
28	85	225	-	-	-	-	-	-	-	-	77	114	NEG	NEG	-
29	629	305	-50	277	-	-	-	-3	-	-	NEG	15	NEG	NEG	2
30	444	576	-	98	270	259	-	195	85	32	70	NEG	NEG	NEG	-

NORWEGIAN INSTITUTE FOR AIR RESEARCH

LRTAP GROUND SAMPLING STATIONS

MONTHLY SUMMARY OF RESULTS - DECEMBER 1972

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS								
NR	CODE	NAME	FUNCTION	LAT.			LONG.				ALT.	
1	A 01	KITTSEE	A	48	05	N	17	04	E		137	
2	D 01	WESTERLAND	P	54	56	N	8	19	E		3	
3	D 02	WALDHOF	A	52	48	N	10	46	E		73	
4	DK 1	FÆRØERNE	A	62	04	N	6	53	W		740	
5	DK 2	HANSTHOLM	PA	57	07	N	8	36	E		46	
6	DK 3	TANGE	A	56	21	N	9	36	E		13	
7	DK 4	GNIBEN	A	56	00	N	11	17	E		3	
8	DK 5	KELDSNOR	A	54	44	N	10	44	E		8	
9	DK 6	DUEODDE	A	55	00	N	15	05	E		6	
10	F 01	VERT-LE-PETIT	PA	48	32	N	2	22	E		64	
11	IC 1	RJUPNAHÆD	PA	64	05	N	21	51	W		120	
12	N 01	BIRKELAND	PA	58	23	N	8	15	E		190	
13	N 03	FINSLAND	PA	58	19	N	7	35	E		275	
14	N 05	GJERSTAD	P	58	53	N	8	57	E		240	
15	N 06	LISTA	P	58	06	N	6	34	E		13	
16	N 07	MANDAL	P	58	03	N	7	27	E		138	
17	N 08	SKREADALEN	P	58	49	N	6	43	E		475	
18	N 09	SØYLAND	PA	58	41	N	5	59	E		263	
19	N 10	TOVDAL	P	58	48	N	8	14	E		227	
20	N 14	SKEI I JØLSTER	P	61	34	N	6	29	E		205	
21	N 15	TUSTERVATN	P	65	50	N	13	55	E		439	
22	N 16	TÅGMYRA	P	61	25	N	12	04	E		536	
23	N 17	KJELLER	P	59	59	N	11	03	E		120	
24	N 18	LØKEN	P	59	48	N	11	27	E		150	
25	N 19	BISLINGEN	P	60	14	N	10	37	E		680	
26	N 20	GRIMELID	P	60	08	N	9	36	E		367	
27	N 21	NOREFJELL	PA	60	13	N	9	31	E		810	
28	N 22	VASSER	PA	59	04	N	10	26	E		35	
29	N 23	LYNGØR	PA	58	38	N	9	08	E		20	
30	N 24	FITJAR	P	59	55	N	5	19	E		20	
31	NL 1	WAGENINGEN	A	51	58	N	5	38	E		7	
32	NL 2	WITTEVEN	A	52	49	N	6	40	E		17	
33	NL 3	DEN HELDER	A	52	55	N	4	47	E		0	
34	S 01	EKERØD	PA	55	54	N	13	43	E		135	
35	S 02	RØ	PA	57	23	N	11	55	E		5	
36	S 03	SJÖÄNGEN	PA	58	46	N	14	18	E		125	
37	S 04	RYDA KUNGSGÅRD	PA	59	46	N	17	05	E		30	
38	S 05	BREDKÄLEN	PA	63	51	N	15	17	E		405	
39	S 06	EKERUM	PA	56	48	N	16	31	E		4	
40	S 07	RØRBÄCKSNÄS	PA	61	08	N	12	45	E			
41	S 08	HOBURG	PA	56	55	N	18	05	E			
42	SF 1	JOMALA	PA	60	11	N	19	54	E		15	
43	SF 2	JOKIOINEN	PA	60	49	N	23	30	E		104	
44	SF 3	PUUMALA	PA	61	34	N	28	04	E		120	
45	SF 4	ÄHTÄRI	PA	62	31	N	24	13	E		154	
46	SF 5	SODANKYLÄ	PA	67	22	N	26	39	E		178	
47	UK 1	COTTERED	PA	51	58	N	0	05	W			

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	D 01	DK 2	F 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21
1	0.8	-	-	-	56.0	37.2	18.1	11.8	17.8	37.3	13.9	31.8	15.3	1.1	5.1	20.1	18.9	13.4	7.6	9.9
2	-	-	-	-	29.3	17.8	14.4	9.9	12.7	14.4	5.1	13.5	4.6	3.9	7.4	-	12.1	6.9	4.3	5.1
3	-	-	-	-	0.3	6.5	3.5	1.0	2.2	15.1	4.7	1.5	15.5	-	6.7	-	2.8	4.6	-	-
4	0.8	-	-	-	31.2	20.7	21.6	6.0	11.4	41.1	8.5	19.8	1.0	0.4	3.6	7.2	9.2	8.1	6.1	7.6
5	5.0	-	-	-	21.0	20.6	19.4	7.0	5.9	29.3	3.5	16.0	25.1	0.8	4.8	12.4	22.7	3.9	4.6	3.8
6	6.4	-	1.4	-	21.0	22.0	18.5	9.8	16.7	20.4	8.8	20.8	7.1	1.3	-	12.2	12.9	5.3	9.6	13.7
7	0.7	-	-	-	0.3	2.9	2.4	7.1	5.7	12.7	7.1	6.7	-	1.7	10.9	4.2	6.7	-	5.8	1.6
8	4.4	-	-	-	0.4	1.0	-	3.4	0.8	0.3	2.2	-	1.3	-	-	-	-	-	-	-
9	6.8	-	-	4.7	12.4	8.0	4.0	4.8	8.1	20.9	15.0	9.2	1.0	-	3.4	4.9	4.0	2.7	3.4	2.9
10	5.2	-	0.1	0.5	16.2	9.2	15.0	3.4	8.0	22.3	12.6	10.4	2.5	0.4	2.7	-	0.5	-	7.8	8.1
11	1.1	-	-	-	19.1	23.9	8.1	9.2	13.3	32.7	22.8	12.7	4.5	1.1	3.8	5.5	1.9	8.0	1.9	7.6
12	2.2	-	0.6	-	16.6	21.0	4.9	9.2	9.4	51.1	15.7	9.5	10.5	4.7	1.4	0.8	5.5	3.3	1.7	-
13	1.9	-	2.7	0.5	8.3	12.7	4.8	7.8	19.4	8.6	12.4	7.3	21.3	13.7	0.5	0.9	3.3	-	-	-
14	-	-	-	-	0.2	0.3	-	0.1	0.4	0.5	0.1	0.3	4.2	3.7	-	-	-	-	-	-
15	-	-	-	1.2	0.6	1.1	-	0.8	2.3	2.2	0.9	0.3	18.1	22.6	-	-	-	-	1.6	2.2
16	0.2	-	-	-	1.6	1.7	1.3	1.1	1.8	0.3	0.7	1.1	2.1	10.2	2.2	1.5	1.9	-	-	-
17	-	0.1	-	21.7	0.2	-	-	-	0.2	-	-	-	0.5	0.9	-	-	-	-	-	-
18	-	-	-	13.1	-	-	-	-	-	-	-	-	-	0.4	1.3	0.5	-	-	-	-
19	-	-	-	4.8	-	-	-	-	-	0.6	-	-	-	3.9	-	-	-	-	-	-
20	-	-	-	4.2	-	-	-	-	-	0.2	-	-	-	3.9	-	-	-	-	-	-
21	0.2	-	-	7.5	0.3	0.4	-	0.6	0.1	0.9	0.6	-	3.3	4.3	-	-	-	-	-	-
22	0.1	-	-	2.2	0.4	0.6	-	-	-	1.5	0.4	0.5	-	5.7	-	0.6	-	-	-	-
23	0.2	1.4	-	0.7	-	1.2	0.8	0.8	2.8	6.4	8.0	1.8	2.4	1.1	-	-	-	-	-	-
24	0.4	-	-	22.3	1.6	-	-	0.8	-	2.5	2.9	-	4.0	4.6	2.9	-	-	-	-	-
25	-	-	0.1	10.2	1.9	2.4	-	0.1	-	0.4	-	0.4	-	-	-	-	-	-	-	-
26	0.2	-	1.6	2.9	0.7	1.0	8.7	-	-	0.5	-	3.1	-	-	-	-	-	-	2.6	3.8
27	0.2	-	0.2	3.0	0.2	1.1	4.7	-	-	0.3	-	3.2	-	-	-	-	-	-	1.8	4.5
28	0.1	-	-	1.6	-	-	0.9	-	-	0.1	-	1.3	1.6	0.8	-	-	-	-	0.7	1.3
29	-	-	-	12.1	-	0.3	-	-	-	0.7	-	0.3	5.9	3.6	-	-	-	-	-	-
30	-	-	-	1.7	-	-	-	-	-	0.1	-	0.2	5.4	17.8	-	-	-	-	-	-
31	-	-	-	3.1	0.2	-	-	0.4	-	0.8	1.7	-	11.5	11.3	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

AMOUNT OF PRECIPITATION (MM) OFFICIAL METEOROLOGICAL STATIONS
MARKED WITH ASTERISKS

DATE	N 22	N 23	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	5.1	15.6	8.1	3.0	6.7	3.8	3.0	7.5	1.8	8.4	2.9	-	1.8	5.0	2.5	3.8	4.0
2	2.2	8.6	2.1	-	13.2	3.3	-	-	-	13.0	-	0.2	4.5	0.9	5.0	5.2	3.9
3	2.9	1.1	17.9	-	-	4.3	1.5	-	-	6.1	0.1	1.9	0.2	1.1	2.3	4.1	-
4	-	6.2	8.9	-	-	-	-	-	-	2.4	-	-	-	0.1	-	1.9	8.2
5	4.1	12.7	19.1	6.0	16.1	8.2	4.2	4.2	-	4.1	0.6	0.8	0.3	-	0.2	1.9	18.0
6	7.4	9.4	7.0	3.0	-	5.3	4.8	2.4	0.4	-	-	0.1	5.9	5.9	4.8	4.2	24.4
7	8.9	3.2	0.6	9.0	6.2	-	-	3.0	3.4	9.6	4.2	0.2	3.3	1.1	3.9	2.3	-
8	-	-	4.0	-	-	8.6	0.5	-	-	-	6.0	0.5	4.4	8.5	0.2	0.2	4.8
9	1.8	6.0	17.8	-	10.4	3.4	1.3	-	0.4	2.4	0.3	1.1	3.7	1.9	1.2	0.1	4.4
10	0.6	11.7	15.3	10.0	-	2.0	-	-	-	3.8	-	0.8	0.6	1.4	4.3	0.3	-
11	1.3	9.5	22.0	8.0	-	2.8	2.8	3.0	-	4.1	6.0	3.1	-	-	0.1	-	2.6
12	-	4.8	13.4	-	9.1	4.5	-	6.2	3.5	3.0	-	-	1.9	1.6	0.6	1.8	1.3
13	2.7	-	-	6.0	-	3.8	1.0	2.9	-	2.4	0.1	1.8	0.3	2.2	0.5	2.6	0.2
14	-	-	-	-	4.8	-	-	5.0	-	-	-	-	-	-	-	-	-
15	-	1.2	3.6	-	-	-	-	-	-	-	0.6	-	-	0.1	-	0.4	2.6
16	0.6	-	-	-	1.1	-	-	-	-	-	0.2	0.1	-	-	-	0.1	-
17	-	-	-	-	-	-	-	-	-	-	1.4	0.1	0.1	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	3.8	0.7	-
20	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	0.6	-	-	-	-	-	-	-	-	-	-	0.8	0.2	-	-
22	-	0.3	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	8.5	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-
24	-	-	5.1	-	-	-	-	-	-	3.7	-	-	0.2	-	-	0.2	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	-
30	-	-	22.0	-	-	-	-	-	-	-	-	-	-	-	-	0.8	0.1
31	-	-	23.6	-	-	-	-	-	-	-	-	-	-	-	-	0.6	0.7

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

OFFICIAL PRECIPITATION DATA (MM)

DATE	DK 2	F 01	IC 1	N 03	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 20	N 24	S 07	S 08
1	-	-	-	38.5	14.0	18.0	39.9	35.1	32.3	15.3	1.4	5.1	7.9	10.5	8.4	2.9
2	-	-	-	17.0	10.4	12.5	13.5	5.3	12.8	4.5	4.4	7.5	4.2	2.0	13.0	-
3	-	-	-	6.0	1.7	2.5	14.9	5.5	1.7	15.2	-	6.2	-	1.9	6.1	0.1
4	-	-	-	20.0	9.7	11.9	39.8	23.0	18.8	0.7	1.0	3.1	6.5	1.0	2.4	-
5	-	-	-	20.5	9.7	7.0	27.2	13.5	15.7	25.1	1.1	4.8	4.7	2.2	4.1	0.6
6	-	1.4	-	21.5	10.9	16.0	19.0	10.6	20.5	7.0	1.4	-	8.4	8.6	-	-
7	-	-	-	2.8	8.1	6.0	10.1	8.0	6.0	-	2.0	10.6	5.3	1.2	9.6	4.2
8	-	-	-	1.0	4.0	1.0	0.4	2.5	-	1.2	-	-	-	4.9	-	6.0
9	-	-	6.0	7.5	6.2	8.4	19.4	24.4	8.8	0.9	-	3.0	3.5	1.9	2.4	0.3
10	-	0.1	1.3	9.0	5.1	9.0	22.8	19.1	9.5	2.9	0.5	2.5	7.6	1.7	3.8	-
11	-	-	-	24.5	13.4	13.2	31.2	42.0	12.0	4.3	2.4	4.6	2.0	23.8	4.1	6.0
12	-	0.6	-	19.3	9.5	10.7	48.4	25.8	9.4	10.4	6.2	1.6	1.2	15.5	3.0	-
13	-	2.7	0.8	13.2	13.8	19.5	8.0	19.0	7.8	20.6	16.5	0.5	-	-	2.4	0.1
14	-	-	1.4	0.5	0.3	0.6	0.5	0.3	-	4.8	6.1	-	-	0.4	-	-
15	-	-	1.4	1.0	0.8	2.5	2.3	1.0	-	17.7	25.6	-	1.5	4.5	-	0.6
16	-	-	0.5	1.5	0.8	2.0	0.4	1.4	0.8	1.5	11.7	2.2	-	-	-	0.2
17	0.6	-	15.7	-	-	0.1	-	-	-	0.6	0.8	-	-	0.3	-	1.4
18	-	-	19.0	-	-	-	-	-	-	-	0.3	1.6	-	-	-	-
19	-	-	6.0	-	-	-	0.6	-	-	-	4.7	-	-	-	-	-
20	-	-	5.6	-	-	-	0.2	-	-	-	4.9	-	-	2.0	-	-
21	0.2	-	13.0	0.3	0.3	0.1	0.8	0.8	-	3.0	5.5	-	-	1.5	-	-
22	-	-	3.0	0.3	-	-	1.9	1.3	0.5	-	8.4	-	-	2.5	-	-
23	1.4	-	1.0	0.7	1.0	3.0	6.0	10.7	1.7	2.5	1.0	-	-	8.9	-	-
24	-	-	26.0	-	1.3	-	2.6	2.6	-	4.2	8.4	3.0	-	5.8	3.7	-
25	-	0.1	15.2	2.3	-	0.1	0.4	-	0.2	-	-	-	-	-	-	-
26	-	1.6	3.8	0.8	-	-	0.5	-	2.5	-	-	-	2.5	-	-	-
27	-	0.2	4.5	1.0	-	-	0.3	-	4.0	-	-	-	2.0	-	-	-
28	-	-	1.5	-	-	-	0.1	-	1.0	1.4	0.6	-	0.7	0.1	-	-
29	-	-	12.2	0.3	-	-	0.6	-	0.1	5.1	5.2	-	-	-	-	-
30	-	-	1.7	-	-	-	0.1	-	-	5.2	27.7	-	-	24.0	-	-
31	-	-	4.8	-	0.6	-	1.0	3.5	-	11.0	16.4	-	-	24.5	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

OFFICIAL PRECIPITATION DATA (MM)

DATE	SF 1	SF 2	SF 3	SF 4	SF 5
1	-	1.7	5.9	2.6	4.9
2	0.4	4.4	0.8	5.5	5.8
3	1.0	0.3	1.0	2.4	3.5
4	-	-	0.4	0.4	2.8
5	0.9	0.3	-	0.5	1.9
6	0.1	5.5	5.1	5.6	4.7
7	0.2	3.7	1.2	1.3	2.5
8	0.5	4.1	8.4	-	0.3
9	1.1	3.5	1.8	1.4	0.1
10	0.7	0.5	1.6	4.7	0.4
11	3.4	0.1	-	0.3	0.1
12	-	1.9	1.8	0.9	2.2
13	2.1	0.5	2.2	0.8	2.7
14	-	-	-	0.1	0.1
15	-	-	0.3	-	0.5
16	0.1	-	-	-	0.3
17	0.1	0.1	0.1	-	-
18	-	-	-	-	-
19	-	-	3.7	0.9	0.9
20	-	-	-	-	-
21	-	-	0.9	0.5	0.2
22	-	-	0.1	0.1	-
23	-	-	0.4	-	0.4
24	-	-	-	-	0.4
25	-	-	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	0.1
30	-	-	-	-	1.9
31	-	-	0.1	0.5	0.8

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

CONCENTRATION OF SODIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	DK 2	IC 1	S 02	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	-	-	43.0	2.4	-	0.1	0.2	0.2	0.0	3.5
2	-	-	17.3	-	-	0.4	0.6	0.2	0.0	1.8
3	-	-	17.3	-	0.4	-	0.6	0.2	0.0	-
4	-	-	17.3	-	-	-	-	-	0.1	1.3
5	-	-	20.5	-	-	-	-	-	0.4	1.1
6	-	-	20.5	-	-	0.3	0.2	0.2	0.1	0.4
7	-	-	7.4	3.3	-	0.3	0.6	0.6	0.0	-
8	-	-	7.4	1.9	-	0.8	0.3	-	-	1.6
9	-	1.2	13.2	3.3	0.6	0.3	0.4	1.0	-	0.6
10	-	15.0	13.2	-	1.0	-	0.4	0.1	-	-
11	-	-	13.2	3.9	-	-	-	-	-	-
12	-	-	26.0	-	-	1.0	1.1	-	0.2	0.8
13	-	6.5	26.0	-	0.7	-	1.3	-	0.1	2.2
14	-	-	11.5	-	-	-	-	-	-	-
15	-	4.0	11.5	10.8	-	-	-	-	-	0.8
16	-	-	1.8	-	-	-	-	-	-	-
17	-	2.6	1.8	1.0	-	-	-	-	-	-
18	-	2.2	1.8	-	-	-	-	-	-	-
19	-	15.5	-	-	-	-	-	-	-	-
20	-	100.0	-	-	-	-	-	-	-	-
21	-	14.5	-	-	-	-	-	-	-	-
22	-	16.0	-	-	-	-	-	-	-	-
23	8.3	5.5	-	-	-	-	-	-	-	-
24	-	3.5	-	-	-	-	-	-	-	-
25	-	4.3	-	-	-	-	-	-	-	-
26	-	1.8	-	-	-	-	-	-	-	-
27	-	5.2	-	-	-	-	-	-	-	-
28	-	7.8	-	-	-	-	-	-	-	-
29	-	11.0	-	-	-	-	-	-	0.3	-
30	-	39.0	-	-	-	-	-	-	2.0	2.2
31	-	9.0	-	-	-	-	-	-	1.8	1.6

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

CONCENTRATION OF MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22	N 23	N 24	UK 1
1	0.17	0.14	0.14	3.00	0.76	0.11	0.20	0.08	0.10	0.03	0.02	0.20	0.10	0.05	0.08	0.07	2.30	1.45	1.10	0.24
2	0.22	0.25	0.10	1.20	0.26	0.09	0.09	0.07	0.15	0.08	0.03	-	0.09	0.05	0.04	0.09	2.50	0.82	0.46	0.14
3	-	0.16	0.36	3.60	0.47	0.10	0.18	0.16	0.02	-	0.03	-	0.15	0.12	-	-	2.30	0.96	0.09	-
4	0.45	0.31	0.22	3.80	1.20	0.27	0.38	-	0.31	0.18	0.14	0.20	0.21	0.16	0.12	0.11	-	1.50	0.67	0.17
5	0.63	0.76	0.24	9.10	1.90	0.87	1.40	0.18	0.17	0.11	0.08	0.40	0.52	0.45	0.11	0.13	3.60	2.50	5.60	0.17
6	0.34	0.56	0.19	1.90	0.33	0.50	-	0.16	0.66	0.06	-	0.06	0.05	0.08	0.05	0.03	1.20	0.69	1.00	0.05
7	-	0.86	0.33	2.20	0.81	0.11	0.67	0.14	-	0.05	0.04	0.35	0.69	-	0.01	0.03	1.40	0.41	0.43	-
8	-	0.50	-	1.20	0.20	-	0.24	-	0.10	-	-	-	-	-	-	-	-	-	0.14	0.23
9	0.11	0.14	0.13	2.00	0.37	0.10	0.25	0.07	0.04	-	0.03	0.21	0.15	0.09	0.02	0.03	1.80	0.74	0.16	0.09
10	0.49	0.79	0.18	8.40	1.10	0.51	0.65	0.35	0.34	0.42	0.02	-	0.79	-	0.06	0.05	3.60	0.92	0.56	-
11	0.17	0.15	0.14	4.10	0.85	0.13	0.34	0.22	0.09	0.12	0.09	0.15	0.31	0.16	0.91	0.07	3.20	1.40	0.47	-
12	0.32	0.42	0.11	5.80	0.82	0.31	0.47	0.21	0.31	0.40	0.10	0.45	0.25	0.18	0.08	-	-	1.10	0.66	0.09
13	0.04	0.05	0.22	3.20	0.35	0.08	0.09	0.24	3.60	0.25	0.16	0.34	0.16	-	-	-	2.00	-	-	0.08
14	-	1.20	-	-	2.48	-	-	0.35	2.40	1.00	-	-	-	-	-	-	-	-	-	-
15	0.28	0.12	-	14.40	0.10	0.17	0.30	0.46	0.04	0.03	-	-	-	-	0.07	0.16	-	0.66	0.11	0.10
16	0.08	0.12	0.17	1.65	0.15	0.36	0.72	0.04	0.18	0.06	0.07	0.42	0.15	-	-	-	3.80	-	-	-
17	-	-	-	-	-	-	-	-	0.16	0.12	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	0.26	0.06	0.11	-	-	-	-	-	-	-	-
19	-	-	-	-	-	0.56	-	-	-	0.18	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	0.77	-	-	-	0.14	-	-	-	-	-	-	-	-	1.76	-
21	-	1.72	-	1.12	2.08	-	0.80	-	0.07	0.38	-	-	-	-	-	-	-	-	1.08	-
22	-	0.48	-	-	-	0.13	1.76	1.32	-	0.06	-	1.22	-	-	-	-	-	3.44	0.48	-
23	-	0.60	0.78	1.96	0.41	0.07	0.24	0.14	0.07	0.22	-	-	-	-	-	-	-	-	0.55	-
24	-	-	-	3.32	-	0.38	0.76	-	0.14	0.48	0.07	-	-	-	-	-	-	-	0.29	-
25	0.76	0.50	-	0.90	-	0.18	-	0.78	-	-	-	-	-	-	-	-	-	-	-	-
26	1.48	1.38	0.94	-	-	0.66	-	0.84	-	-	-	-	-	-	0.10	0.10	-	-	-	-
27	5.20	-	3.08	-	-	-	-	1.24	-	-	-	-	-	-	0.26	0.13	-	-	-	-
28	-	-	3.48	-	-	-	-	1.10	0.16	-	-	-	-	-	1.20	0.40	-	-	0.39	-
29	-	4.00	-	-	-	0.48	-	0.21	0.03	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	0.12	0.03	1.06	-	-	-	-	-	-	-	-	0.64	0.20
31	-	-	-	19.20	-	0.48	1.16	-	0.04	1.76	-	-	-	-	-	-	-	-	0.19	0.20

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	*		*	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
DATE	OK 2	F 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22
1	-	-	-	1.2	0.8	1.1	1.7	1.7	0.6	0.9	0.6	1.1	1.3	1.1	3.0	1.6	1.8	1.1	1.9	5.1
2	-	-	-	2.8	2.3	2.4	2.3	2.3	1.1	0.6	1.7	0.6	1.5	1.3	-	4.7	2.4	0.6	1.3	4.5
3	-	-	-	-	1.8	3.4	2.8	2.3	2.1	1.7	1.5	0.3	-	2.3	-	4.6	3.2	-	-	4.8
4	-	-	-	2.5	2.2	2.4	3.4	2.9	1.8	1.8	1.8	8.2	0.4	3.0	3.5	3.7	3.3	2.0	2.8	-
5	-	-	-	1.5	1.3	0.8	4.3	1.5	1.2	1.9	1.0	0.5	5.3	2.2	2.3	1.8	2.1	0.9	0.9	13.7
6	-	6.0	-	1.8	1.7	1.7	2.1	1.5	0.9	1.0	0.6	0.2	1.0	-	1.6	1.6	1.1	0.3	2.2	3.6
7	-	-	-	-	1.3	1.9	1.6	1.2	0.5	0.8	0.4	-	0.9	0.6	2.9	0.6	-	0.2	0.8	3.1
8	-	-	-	-	1.0	-	1.8	1.8	-	1.3	-	1.1	-	-	-	-	-	-	-	-
9	-	-	0.7	1.0	1.4	1.1	1.4	1.7	0.8	1.5	0.8	1.4	-	0.5	3.5	2.1	2.1	0.7	1.3	8.0
10	-	-	0.0	1.3	1.1	0.8	0.0	1.4	0.0	0.9	0.1	0.1	1.4	0.6	-	3.8	-	0.7	0.8	10.4
11	-	-	-	1.9	1.7	2.1	0.0	2.7	4.4	1.2	1.6	0.7	0.9	0.1	2.4	1.5	1.9	1.5	1.8	5.9
12	-	9.8	-	1.5	1.2	2.2	0.0	2.5	0.0	1.9	1.4	0.4	0.6	4.0	13.5	5.4	4.8	3.4	-	-
13	-	4.8	2.2	0.8	0.6	2.8	1.6	1.6	0.0	1.0	0.9	0.0	0.2	3.1	5.0	2.1	-	-	-	4.0
14	-	-	-	-	8.7	-	-	11.6	-	-	-	0.4	0.1	-	-	-	-	-	-	-
15	-	-	1.1	8.4	6.8	-	0.0	8.8	0.0	5.2	3.2	0.2	0.7	-	-	-	-	0.5	0.9	-
16	-	-	-	7.2	7.6	7.3	11.2	11.8	15.9	17.7	4.7	3.1	0.9	2.6	17.1	8.8	-	-	-	47.8
17	-	-	0.2	-	-	-	-	-	-	-	-	6.3	4.0	-	-	-	-	-	-	-
18	-	-	0.2	-	-	-	-	-	-	-	-	-	5.9	2.5	-	-	-	-	-	-
19	-	-	0.0	-	-	-	-	-	11.0	-	-	-	0.5	-	-	-	-	-	-	-
20	-	-	0.0	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-
21	-	-	1.2	-	17.7	-	13.9	25.3	10.0	15.4	-	3.6	1.3	-	-	-	-	-	-	-
22	-	-	0.0	-	17.3	-	-	-	8.9	23.3	8.9	-	0.3	-	32.8	-	-	-	-	-
23	4.9	-	0.7	-	17.3	22.0	10.0	11.4	3.4	2.3	12.6	2.6	0.3	-	-	-	-	-	-	-
24	-	-	0.8	5.0	-	-	0.0	-	0.9	1.1	-	0.7	0.1	3.2	-	-	-	-	-	-
25	-	-	0.4	11.3	3.8	-	2.2	-	3.7	-	7.1	-	-	-	-	-	-	-	-	-
26	-	18.7	0.1	6.8	7.7	9.4	-	-	12.3	-	8.4	-	-	-	-	-	-	8.0	7.9	-
27	-	4.8	0.1	2.1	10.0	23.2	-	-	-	-	18.7	-	-	-	-	-	-	22.3	13.2	-
28	-	-	0.1	-	-	11.6	-	-	-	-	9.1	3.7	2.0	-	-	-	-	20.7	30.7	-
29	-	-	0.0	-	54.0	-	-	-	22.1	-	14.3	1.4	2.0	-	-	-	-	-	-	-
30	-	-	0.0	-	-	-	-	-	-	-	1.6	1.3	1.0	-	-	-	-	-	-	-
31	-	-	1.7	-	-	-	14.9	-	7.3	3.4	-	0.7	0.1	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), WHEN CORRECTED FOR SEA-SPRAY
MARKED WITH ASTERISKS

	**	**		*						*	*	*	*	*	*	*
DATE	N 23	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	1.7	1.4	6.2	7.4	4.0	2.6	0.7	3.6	3.1	2.2	-	2.7	2.8	1.7	1.1	5.1
2	2.9	2.9	-	6.6	10.0	-	-	-	1.0	-	-	4.8	3.6	2.8	2.3	2.6
3	3.1	0.8	-	6.6	2.7	2.4	-	-	3.5	-	5.8	-	2.0	2.9	0.8	-
4	5.4	2.0	-	6.6	-	-	-	-	10.4	-	-	-	-	-	0.9	3.6
5	2.4	0.2	-	5.1	2.0	3.2	1.5	-	4.9	-	-	-	-	-	3.4	1.2
6	3.0	1.0	5.0	5.1	1.1	1.7	0.9	9.6	-	-	-	3.0	2.6	1.7	2.1	0.4
7	0.9	0.8	7.6	5.7	-	-	0.0	3.8	1.2	6.7	-	4.0	3.2	7.0	0.8	-
8	-	1.1	-	5.7	3.2	4.6	-	-	-	4.8	-	2.8	2.4	-	-	5.0
9	1.7	0.7	-	4.3	3.0	6.2	-	6.2	4.4	10.9	4.9	3.6	3.3	2.9	-	2.3
10	2.2	0.9	6.8	4.3	2.1	1.7	-	-	2.5	-	5.4	-	1.8	1.5	-	-
11	3.5	1.3	2.3	4.3	3.3	2.1	0.0	-	2.9	5.2	-	-	-	-	-	3.8
12	2.5	1.6	-	7.0	8.9	-	0.2	3.0	15.9	-	-	5.6	6.6	-	1.3	5.0
13	-	-	4.7	7.0	2.4	2.6	1.4	-	4.1	25.1	1.9	-	2.4	-	0.8	8.0
14	-	-	-	7.1	-	-	0.0	-	-	-	-	-	-	-	-	-
15	15.7	2.8	-	7.1	-	-	-	-	-	11.4	-	-	-	-	-	9.1
16	-	-	-	11.8	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	11.8	-	-	-	-	-	5.5	-	-	-	-	-	-
18	-	-	-	11.8	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	3.1	2.5	1.2	-
20	-	30.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	14.0	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-
22	57.0	23.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	3.1	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	13.3
31	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	8.4

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

PH IN PRECIPITATION

DATE	D 01	DK 2	F 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17
1	4.00	-	-	-	4.90	4.55	4.75	4.55	4.55	4.85	4.60	4.75	4.80	4.60	4.70	4.15
2	-	-	-	-	4.25	4.30	4.45	4.45	4.45	4.45	4.85	4.40	5.95	4.75	4.50	-
3	-	-	-	-	-	4.30	4.35	4.35	4.35	4.30	4.50	4.55	5.80	-	4.40	-
4	4.20	-	-	-	4.30	4.35	4.45	4.30	4.30	4.45	4.50	4.35	4.30	5.90	6.00	4.10
5	4.30	-	-	-	4.55	4.55	4.85	4.60	4.50	4.55	4.45	4.65	5.75	3.95	4.90	4.10
6	4.20	-	4.15	-	4.40	4.55	4.55	4.50	4.45	4.60	4.65	4.65	5.90	4.75	-	4.65
7	-	-	-	-	-	6.20	5.50	4.65	4.80	4.95	4.85	4.95	-	4.85	5.20	4.50
8	3.90	-	-	-	-	5.30	-	4.95	5.45	-	4.75	-	6.35	-	-	-
9	4.10	-	-	6.20	4.45	4.55	5.75	4.30	4.40	4.75	4.40	4.50	5.55	-	5.50	4.30
10	4.20	-	-	5.70	4.55	4.70	4.75	4.55	4.55	4.60	4.60	4.50	6.40	4.87	5.70	-
11	-	-	-	-	4.40	4.55	4.55	4.50	4.40	4.90	4.60	5.30	6.05	4.54	5.85	4.30
12	4.20	-	-	-	4.90	4.60	4.75	4.65	4.40	4.75	4.45	4.60	5.60	5.25	4.55	3.95
13	4.00	-	6.50	5.70	4.60	5.20	4.45	4.55	4.60	4.65	4.65	4.65	5.15	5.05	-	4.10
14	-	-	-	-	-	4.50	-	-	3.55	-	-	-	6.05	5.10	-	-
15	-	-	-	6.00	3.55	3.85	-	3.50	3.80	4.00	4.00	5.25	5.85	4.60	-	-
16	-	-	-	-	3.91	4.75	3.85	3.65	3.85	3.63	4.20	3.95	4.35	4.50	5.35	4.30
17	-	-	-	5.70	-	-	-	-	-	-	-	-	6.35	3.80	-	-
18	-	-	-	5.70	-	-	-	-	-	-	-	-	-	4.00	6.15	5.70
19	-	-	-	5.10	-	-	-	-	-	4.45	-	-	-	4.10	-	-
20	-	-	-	5.30	-	-	-	-	-	3.08	-	-	-	4.20	-	-
21	-	-	-	7.20	-	4.50	-	3.70	3.41	-	4.20	-	4.30	4.55	-	-
22	-	-	-	6.00	-	4.00	-	-	-	3.75	4.05	6.15	-	4.80	-	4.15
23	-	4.07	-	6.70	-	3.85	4.05	3.75	3.75	4.05	4.30	3.65	4.15	5.20	-	-
24	-	-	-	5.90	4.00	-	-	5.25	-	5.40	4.85	-	6.95	5.00	4.40	-
25	-	-	-	5.90	4.05	4.15	-	6.25	-	4.20	-	4.86	-	-	-	-
26	-	-	4.60	6.40	3.85	3.90	3.80	-	-	3.65	-	3.80	-	-	-	-
27	-	-	-	5.90	3.95	3.75	3.85	-	-	-	-	3.60	-	-	-	-
28	-	-	-	5.90	-	-	5.65	-	-	-	-	4.05	4.20	4.45	-	-
29	-	-	-	5.90	-	3.81	-	-	-	3.66	-	4.35	4.50	4.55	-	-
30	-	-	-	5.20	-	-	-	-	-	-	-	5.05	4.95	4.65	-	-
31	-	-	-	6.40	-	-	-	3.45	-	3.90	4.10	-	4.80	5.05	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

PH IN PRECIPITATION

DATE	N 18	N 19	N 20	N 21	N 22	N 23	N 24	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	4.60	4.50	4.60	4.55	4.05	4.95	4.55	-	4.28	4.87	4.75	4.82	4.40
2	4.25	4.40	4.50	4.60	4.10	4.40	4.35	6.57	-	4.14	4.31	4.50	4.10
3	4.20	6.25	-	-	4.10	4.10	4.70	4.45	4.20	4.76	7.59	4.92	-
4	4.25	4.30	4.30	4.35	-	4.75	4.40	-	-	-	-	7.20	4.45
5	4.50	4.50	4.65	4.70	3.70	4.85	4.35	7.29	3.87	-	-	7.10	4.85
6	4.60	4.90	5.00	5.10	4.25	4.70	5.00	4.92	4.28	4.57	4.57	4.57	4.60
7	4.70	-	4.80	6.20	4.50	5.10	5.50	4.63	4.75	6.69	7.26	5.03	-
8	-	-	-	-	-	-	4.50	7.82	4.70	4.72	-	5.81	4.15
9	4.45	5.30	4.55	4.60	3.90	4.70	4.70	4.23	4.15	4.45	8.04	-	4.40
10	4.55	-	4.65	4.85	3.90	4.95	4.70	8.08	4.55	3.97	5.23	5.27	-
11	5.60	4.40	5.60	4.40	5.25	4.55	4.50	-	-	-	7.84	-	4.45
12	4.05	4.60	4.25	-	-	4.50	4.45	-	4.07	4.27	5.49	5.37	4.45
13	4.40	-	-	-	4.55	-	-	4.93	4.07	4.49	4.45	5.23	4.10
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	5.40	4.65	-	3.80	4.20	-	-	8.58	-	6.57	4.00
16	3.80	-	-	-	3.50	-	-	7.46	-	-	-	7.66	-
17	-	-	-	-	-	-	-	7.14	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	4.81	6.66	7.21	-
20	-	-	-	-	-	-	3.10	-	-	-	-	-	-
21	-	-	-	-	-	-	3.50	-	-	4.85	7.39	-	-
22	-	-	-	-	-	4.20	3.46	-	-	-	-	-	-
23	-	-	-	-	-	-	4.80	-	-	-	-	5.12	-
24	-	-	-	-	-	-	4.30	-	8.35	-	-	5.95	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	3.75	4.00	-	-	-	-	-	-	-	-	-
27	-	-	3.70	3.85	-	-	-	-	-	-	-	-	-
28	-	-	3.75	6.70	-	-	3.84	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	6.62	-
30	-	-	-	-	-	-	3.90	-	-	-	-	8.18	4.40
31	-	-	-	-	-	-	4.30	-	-	-	-	4.93	4.20

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	D 01	DK 2	F 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21
1	*100	-	-	-	26	24	12	26	32	13	25	17	15	27	18	60	31	37	23	27
2	-	-	-	-	57	57	35	30	35	35	9	40	-24	23	30	-	40	40	28	22
3	-	-	-	-	-	52	22	35	45	50	32	36	-7	-	40	-	60	-79	-	-
4	*63	-	-	-	47	51	35	40	50	40	36	45	50	0	-41	75	55	50	25	44
5	*50	-	-	-	27	34	10	28	38	25	36	23	-9	100	10	75	43	33	17	11
6	*63	-	100	-	39	37	24	30	35	24	21	21	-10	2	-	21	29	14	10	-1
7	-	-	-	-	-	-34	-25	25	16	10	5	6	-	13	-2	39	28	-	9	-20
8	*126	-	-	-	-	-2	-	14	NEG	-	17	-	-26	-	-	-	-	-	-	-
9	*79	-	-	NEG	22	20	-54	50	40	13	38	30	-78	-	-5	50	35	-4	29	29
10	*63	-	-	NEG	23	8	15	25	29	21	12	27	-36	12	-34	-	28	-	20	15
11	-	-	-	-	30	54	18	23	40	1	18	-2	-24	28	-21	50	-26	40	-26	53
12	*63	-	-	-	26	21	14	26	40	7	35	23	-1	-1	14	112	88	18	8	-
13	*100	-	-60	NEG	19	4	35	31	25	13	18	18	3	6	-	75	40	-	-	-
14	-	-	-	-	-	25	-	-	280	-	-	-	-38	-11	-	-	-	-	-	-
15	-	-	-	NEG	240	123	-	330	160	100	100	4	-12	17	-	-	-	-	-8	21
16	-	-	-	-	134	20	140	225	140	230	50	112	45	21	0	50	160	-	-	-
17	-	-	-	NEG	-	-	-	-	-	-	-	-	-18	160	-	-	-	-	-	-
18	-	-	-	NEG	-	-	-	-	-	-	-	-	-	100	-54	0	-	-	-	-
19	-	-	-	NEG	-	-	-	-	-	35	-	-	-	75	-	-	-	-	-	-
20	-	-	-	NEG	-	-	-	-	-	320	-	-	-	60	-	-	-	-	-	-
21	-	-	-	NEG	-	25	-	200	400	50	50	-	50	23	-	-	-	-	-	-
22	-	-	-	NEG	-	100	-	-	-	180	80	-9	-	12	-	68	-	-	-	-
23	-	*85	-	NEG	-	164	88	180	180	88	58	225	68	8	-	-	-	-	-	-
24	-	-	-	NEG	100	-	-	-4	-	-12	4	-	-668	0	40	-	-	-	-	-
25	-	-	-	NEG	89	66	-	-12	-	60	-	13	-	-	-	-	-	-	-	-
26	-	-	*25	NEG	194	111	160	-	-	225	-	160	-	-	-	-	-	-	180	132
27	-	-	-	NEG	112	192	140	-	-	-	-	250	-	-	-	-	-	-	200	145
28	-	-	-	NEG	-	-	-33	-	-	-	-	88	60	35	-	-	-	-	180	-302
29	-	-	-	NEG	-	125	-	-	-	220	-	45	30	35	-	-	-	-	-	-
30	-	-	-	NEG	-	-	-	-	4	-	-	8	17	26	-	-	-	-	-	-
31	-	-	-	NEG	-	-	-	355	-	125	70	-	18	10	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER) * COMPUTED FROM PH

DATE	N 22	N 23	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	83	10	32	40	86	68	47	34	52	25	66	-	47	13	11	11	28
2	81	41	40	-	81	199	-	-	-	12	-	NEG	-	62	48	29	37
3	87	92	18	-	81	52	36	-	-	15	292	*35	65	13	NEG	9	-
4	-	19	48	-	61	-	-	-	-	24	-	-	-	-	-	NEG	29
5	239	24	14	-	37	36	103	46	-	42	165	NEG	154	-	-	NEG	16
6	70	17	6	37	37	26	40	12	36	-	-	*12	81	42	47	50	24
7	34	6	NEG	42	37	-	-	12	39	13	41	31	25	NEG	NEG	11	-
8	-	-	33	-	37	65	112	-	-	-	93	NEG	22	26	-	NEG	65
9	114	19	21	-	71	75	96	-	109	24	42	73	105	57	NEG	-	32
10	110	12	18	57	71	57	35	-	-	26	-	NEG	38	188	11	NEG	-
11	6	23	28	19	71	65	40	30	-	17	19	-	-	-	NEG	-	22
12	-	29	35	-	62	124	-	46	45	77	-	-	96	84	NEG	NEG	29
13	29	-	-	36	62	54	16	31	-	54	72	*10	85	37	32	NEG	77
14	-	-	-	-	40	-	-	13	-	-	-	-	-	-	-	-	-
15	-	183	55	-	40	-	-	-	-	-	61	-	-	NEG	-	NEG	78
16	150	-	-	-	155	-	-	-	-	-	-	NEG	-	-	-	NEG	-
17	-	-	-	-	155	-	-	-	-	-	17	NEG	-	-	-	-	-
18	-	-	-	-	155	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	20	NEG	NEG	-
20	-	-	795	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	315	-	-	-	-	-	-	-	-	-	-	15	NEG	-	-
22	-	63	355	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	NEG	-
24	-	-	50	-	-	-	-	-	-	82	-	-	NEG	-	-	NEG	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NEG	-
30	-	-	147	-	-	-	-	-	-	-	-	-	-	-	-	NEG	28
31	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	12	66

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	A 01	D 02	DK 1	DK 2	DK 3	DK 4	DK 5	DK 6	F 01	IC 1	N 01	N 03	N 09	N 21	N 22	N 23	NL 1	NL 2	NL 3	S 01
1	66	26	16	4	6	10	12	-	5	7	3	0	7	0	2	0	25	17	23	0
2	62	30	16	7	6	6	9	16	9	6	6	0	0	0	4	0	17	45	23	0
3	29	30	19	4	6	13	12	16	11	6	1	0	0	0	3	0	47	31	8	0
4	-	13	11	6	10	6	19	10	3	6	12	0	0	7	7	8	17	26	21	0
5	35	13	12	6	6	-	6	16	3	8	7	0	0	19	0	4	26	11	10	0
6	98	14	6	6	6	9	6	45	3	15	5	0	1	7	3	8	15	10	14	0
7	31	13	5	6	3	6	6	16	4	14	5	0	9	7	0	3	21	14	14	0
8	52	12	5	6	3	6	6	13	6	16	3	0	0	0	15	5	31	18	12	0
9	39	14	4	6	6	9	13	10	6	17	0	2	0	19	0	0	31	15	23	0
10	32	13	8	6	6	6	22	13	6	9	0	0	0	3	0	4	24	12	11	0
11	14	7	5	7	4	7	4	5	8	7	0	2	0	34	15	14	25	12	22	0
12	65	14	6	7	2	5	11	5	10	21	0	0	0	7	0	0	21	12	10	0
13	27	15	6	4	3	9	6	15	0	8	0	0	0	6	2	0	22	9	14	0
14	37	24	4	4	3	4	9	13	24	9	3	0	3	4	2	6	47	15	44	107
15	28	66	4	4	3	6	19	15	-	11	3	0	13	3	5	1	63	37	61	26
16	36	46	5	4	8	6	19	14	-	-	6	0	26	3	7	4	77	86	41	61
17	44	15	5	3	4	4	35	15	-	5	4	0	0	5	17	2	62	32	51	28
18	61	9	3	4	6	7	31	7	-	9	3	0	0	26	15	0	33	12	48	0
19	34	5	4	4	6	14	6	7	-	14	0	0	0	0	2	0	47	13	29	0
20	40	20	3	8	10	14	47	8	-	23	0	0	9	2	0	0	116	32	52	0
21	17	52	2	7	52	82	94	5	-	8	4	0	6	2	7	9	72	27	97	0
22	36	20	2	5	36	148	37	7	-	7	2	0	4	7	9	4	154	80	123	84
23	28	36	2	17	46	126	9	-	15	14	27	15	16	26	48	49	54	48	113	125
24	0	36	2	5	10	10	-	-	59	20	1	1	0	8	10	4	51	41	48	19
25	0	127	5	4	10	17	59	-	15	7	3	3	6	5	13	2	127	51	57	0
26	8	92	6	4	16	21	39	-	21	11	11	11	0	6	7	5	68	56	36	0
27	30	66	5	5	16	14	33	-	11	6	14	11	20	11	4	6	82	43	48	0
28	25	83	6	8	33	21	36	-	13	13	28	15	33	11	9	20	95	33	38	0
29	69	67	6	10	55	34	39	-	-	14	19	2	8	6	11	25	110	51	47	0
30	42	63	6	9	72	48	45	-	-	14	14	13	17	2	15	15	70	86	50	0
31	68	14	6	17	106	65	119	-	51	15	11	23	5	-	21	14	69	102	127	0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

SO2 IN AIR (MICROGRAMS PER M3)

DATE	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	0	0	0	0	0	0	0	10	12	14	9	4	16
2	0	0	0	0	30	0	20	14	16	21	10	6	38
3	0	0	0	0	25	0	10	25	30	14	7	4	20
4	5	0	0	0	35	0	0	17	35	14	6	4	7
5	0	0	0	0	44	0	10	24	10	13	10	9	9
6	0	0	0	0	0	0	0	10	9	11	3	7	9
7	0	0	0	0	0	0	0	17	3	25	10	6	26
8	0	0	91	0	0	0	0	5	10	11	7	14	40
9	0	0	0	0	0	0	0	11	10	13	10	5	32
10	0	0	0	0	0	0	0	7	7	7	10	6	23
11	0	0	0	0	0	0	0	6	17	7	6	0	30
12	0	0	0	0	0	0	54	11	17	10	13	5	27
13	0	47	0	0	0	0	0	11	17	7	0	3	23
14	0	0	0	0	0	26	0	3	11	0	0	0	54
15	0	0	0	0	0	-	0	13	9	3	0	0	71
16	19	0	0	0	0	0	0	10	9	10	0	0	80
17	7	0	0	0	0	0	0	6	4	0	9	0	32
18	0	0	0	0	0	0	0	12	21	6	6	5	44
19	0	0	0	0	100	0	0	10	24	10	6	11	90
20	0	0	0	0	0	0	0	9	11	10	0	3	92
21	69	43	45	0	40	0	4	22	22	10	0	6	87
22	57	20	0	0	37	0	15	29	13	0	6	6	293
23	66	53	10	0	19	0	29	13	19	10	7	0	85
24	0	5	14	0	11	13	0	25	13	17	3	8	82
25	0	0	0	0	0	0	0	10	8	10	6	7	61
26	0	0	23	0	0	0	0	6	10	15	6	11	65
27	0	0	0	0	0	0	0	7	8	14	12	19	58
28	0	0	0	0	0	143	0	10	10	19	15	10	44
29	10	0	0	0	0	73	0	13	22	10	24	10	25
30	18	32	0	0	0	138	0	21	25	14	0	8	71
31	65	26	6	0	0	0	0	24	16	13	14	8	53

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	A 01	DK 1	DK 2	DK 3	DK 4	DK 5	DK 6	F 01	IC 1	N 01	N 03	N 09	N 21	N 22	N 23	NL 1
1	15.7	0.8	0.4	3.4	3.8	0.5	7.4	2.1	0.4	1.3	1.1	0.1	0.2	6.7	3.3	4.2
2	13.0	0.2	0.0	4.8	3.7	0.4	8.2	1.3	0.1	2.8	4.0	2.5	1.2	7.2	4.1	4.2
3	6.7	0.2	0.4	3.1	5.5	0.1	9.5	2.5	0.1	3.0	2.7	1.9	0.5	5.9	2.6	7.5
4	-	0.6	2.9	4.6	3.6	1.1	4.7	0.8	0.2	1.3	0.3	1.6	0.8	0.3	1.0	3.3
5	6.6	0.4	3.6	2.0	-	0.8	5.4	2.9	0.1	1.2	1.4	0.3	0.5	0.3	2.7	3.3
6	15.6	0.6	2.6	2.9	3.1	1.0	6.2	3.2	0.1	0.5	0.8	1.3	0.4	0.2	0.9	3.3
7	8.1	0.8	2.8	1.9	2.0	0.8	11.5	0.6	0.2	0.2	0.8	0.6	0.3	0.2	0.6	3.3
8	10.4	0.6	2.0	3.5	4.2	1.8	4.3	2.6	0.2	0.0	0.4	0.4	0.5	0.1	0.0	5.8
9	20.0	0.4	1.3	3.5	4.1	1.6	3.5	1.4	0.2	1.2	1.3	1.4	0.4	0.3	0.2	4.2
10	7.1	0.7	3.0	3.7	3.1	0.8	2.6	2.9	0.1	0.7	0.7	0.3	0.3	0.1	0.5	4.2
11	10.6	0.1	2.2	3.1	4.8	3.2	8.6	5.8	0.1	1.6	0.4	0.7	0.3	0.1	1.3	5.0
12	38.0	0.2	4.7	5.3	6.6	1.1	0.5	6.6	0.1	1.4	1.4	1.0	0.8	0.0	2.4	5.0
13	18.6	0.1	3.1	3.7	4.8	4.7	12.2	3.1	0.1	1.2	1.8	2.0	0.6	0.1	2.1	6.7
14	17.7	0.2	0.1	8.3	4.0	6.1	16.4	7.0	0.3	3.2	2.8	2.7	1.0	2.7	4.1	16.7
15	18.1	0.1	2.6	11.6	3.2	0.4	10.3	14.4	0.1	2.3	2.7	5.5	1.2	1.6	4.2	17.5
16	18.6	2.0	0.0	24.8	11.3	21.7	13.6	11.2	-	4.3	7.8	15.1	0.6	8.7	3.0	32.5
17	24.6	1.3	0.1	18.5	10.9	13.0	12.0	17.6	0.5	4.4	3.5	3.1	0.5	2.9	4.0	32.5
18	17.6	1.4	0.0	10.7	6.6	0.2	2.5	26.4	0.6	1.5	2.6	3.7	0.8	2.0	0.7	18.3
19	12.6	0.0	5.2	5.5	3.5	1.8	4.1	29.6	1.5	5.2	4.0	5.3	0.8	2.7	5.6	14.2
20	6.4	0.1	5.4	7.6	7.2	10.2	3.1	22.4	1.4	6.1	5.7	6.4	1.1	4.2	6.8	25.0
21	11.4	0.1	13.2	30.7	22.8	24.0	5.0	22.4	0.3	6.8	7.0	6.7	1.7	10.5	10.8	35.0
22	18.6	0.0	25.2	24.5	43.2	12.0	4.8	25.6	1.6	4.5	8.1	2.4	0.7	12.2	6.8	33.3
23	27.0	0.0	24.2	40.0	42.6	5.3	-	13.3	0.3	16.0	12.8	8.9	7.4	22.8	27.0	23.3
24	23.8	0.0	12.7	3.1	9.8	-	-	27.2	0.1	0.3	1.5	0.4	1.5	5.8	2.4	24.2
25	20.8	3.0	1.2	5.3	7.0	8.8	-	3.0	0.8	1.6	0.8	4.7	0.5	3.5	0.9	31.6
26	21.0	2.2	0.2	21.1	15.8	0.5	-	2.1	0.7	9.8	7.8	1.7	1.2	4.9	7.3	20.0
27	11.2	0.5	18.8	16.3	11.8	0.1	-	2.0	0.1	11.5	12.5	12.3	1.7	1.8	9.7	17.5
28	15.3	0.1	13.3	8.3	7.0	6.2	-	3.5	0.3	7.1	8.5	10.2	2.7	3.0	3.1	15.8
29	12.6	0.0	0.2	6.7	7.2	5.0	-	28.8	0.4	8.8	7.2	4.2	3.0	8.7	10.2	17.5
30	18.2	0.1	7.0	7.9	9.4	5.0	-	11.2	0.1	-	-	-	2.9	9.9	1.8	14.2
31	12.3	0.0	0.6	22.0	19.3	0.1	-	76.0	0.0	-	-	-	2.1	14.3	0.9	70.8

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	NL 2	NL 3	S 03	S 04	S 05	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	3.3	4.2	3.8	4.8	0.8	8.0	4.9	2.1	11.4	1.3	3.0
2	5.0	3.3	4.9	4.7	0.7	11.4	9.2	5.5	12.9	1.5	2.0
3	5.0	2.5	5.8	8.2	1.1	17.8	10.5	5.0	8.9	1.0	2.0
4	2.5	4.2	4.4	4.1	1.1	4.0	4.1	3.5	2.4	0.8	1.0
5	1.7	3.3	4.4	6.2	3.1	9.8	5.5	4.1	4.3	1.3	2.0
6	2.5	3.3	1.3	1.3	0.6	5.6	2.2	2.6	1.1	2.0	2.0
7	2.5	3.3	1.8	2.6	1.0	6.4	2.1	3.7	5.7	2.2	3.0
8	3.3	3.3	2.4	2.8	0.5	4.6	1.8	2.9	1.9	2.3	5.0
9	3.3	5.0	2.0	3.4	0.4	3.5	2.4	2.5	4.2	1.7	4.0
10	4.2	4.2	1.8	2.2	0.7	2.6	2.0	3.3	1.4	0.9	3.0
11	3.3	5.8	2.3	1.8	1.4	2.3	3.1	1.5	1.5	0.4	4.0
12	5.0	8.3	4.1	3.1	1.0	3.6	5.6	4.1	3.7	1.3	8.0
13	3.8	3.3	2.3	2.6	0.6	4.8	2.4	2.7	3.4	0.4	4.0
14	9.2	15.0	4.1	1.4	0.0	1.0	0.8	0.6	0.8	0.4	10.0
15	10.8	17.5	4.7	5.3	0.2	3.9	0.8	1.5	1.3	0.1	15.0
16	20.0	9.2	5.4	2.5	0.4	3.7	2.3	1.8	2.6	1.7	6.0
17	15.8	21.7	5.6	2.2	1.2	2.3	0.5	0.6	2.1	0.4	15.0
18	3.3	10.0	2.2	3.2	2.2	2.0	2.4	1.2	2.3	0.5	18.0
19	6.7	9.2	5.4	5.0	1.7	2.1	2.6	3.3	3.7	1.1	29.0
20	13.3	15.8	7.6	5.3	1.3	3.0	2.4	1.2	1.2	1.0	23.0
21	24.2	25.0	11.0	12.6	1.0	5.5	7.8	2.9	5.4	0.5	34.0
22	26.7	31.7	15.4	7.8	0.7	9.2	4.5	4.4	6.4	0.2	29.0
23	21.7	28.3	12.8	11.6	0.8	5.7	8.9	4.1	6.3	0.6	20.5
24	23.3	15.8	12.6	9.8	1.4	8.0	12.6	11.6	14.5	0.7	20.0
25	31.7	20.0	4.7	2.6	0.0	1.6	1.2	0.8	0.7	0.3	16.0
26	24.7	14.2	6.1	3.4	1.0	1.2	1.0	2.0	1.6	0.1	8.0
27	15.0	14.2	3.5	1.3	3.2	0.8	0.2	1.4	4.1	0.2	6.0
28	16.7	11.7	1.1	1.2	1.8	1.5	0.7	1.4	10.1	0.1	5.0
29	15.0	18.3	4.1	3.4	2.6	2.7	2.1	1.4	3.4	0.8	7.0
30	14.2	14.2	3.5	3.6	2.6	9.1	0.2	1.8	2.9	1.1	17.0
31	35.8	46.7	6.1	6.2	1.6	3.7	0.2	2.0	0.7	0.1	19.0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	DK 2	F 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21	N 22
1	-	-	-	67	31	20	24	31	24	32	19	17	2	6	60	30	24	9	19	26
2	-	-	-	82	39	35	24	29	15	3	22	3	7	10	-	57	17	3	7	10
3	-	-	-	-	11	12	5	6	31	9	3	5	-	14	-	13	15	-	-	14
4	-	-	-	78	44	52	33	35	72	41	34	6	0	9	25	34	27	13	21	-
5	-	-	-	32	27	15	42	11	33	26	16	13	5	11	29	41	8	4	3	57
6	-	8	-	38	37	31	23	24	17	11	12	1	1	-	19	21	6	3	30	27
7	-	-	-	-	4	4	13	7	5	6	2	-	2	6	12	4	-	1	1	28
8	-	-	-	-	1	-	7	2	-	3	-	1	-	-	-	-	-	-	-	-
9	-	-	6	12	10	4	9	14	16	37	7	1	-	2	17	8	6	2	4	14
10	-	-	5	21	10	12	-	13	-	17	1	0	1	2	-	2	-	5	6	6
11	-	-	-	36	42	17	-	36	137	50	19	3	2	0	13	3	15	3	14	8
12	-	6	-	25	23	11	-	27	-	49	13	4	4	6	11	30	16	4	-	-
13	-	13	3	7	8	13	22	31	-	19	7	-	3	2	4	7	-	-	-	11
14	-	-	-	-	4	-	-	7	-	-	-	2	1	-	-	-	-	-	-	-
15	-	-	3	5	7	-	-	22	-	5	-	4	18	-	-	-	-	1	2	-
16	-	-	-	11	11	10	9	24	6	25	4	5	11	6	25	17	-	-	-	30
17	-	-	14	-	-	-	-	-	-	-	-	4	3	-	-	-	-	-	-	-
18	-	-	15	-	-	-	-	-	-	-	-	-	2	4	-	-	-	-	-	-
19	-	-	22	-	-	-	-	-	7	-	-	-	2	-	-	-	-	-	-	-
20	-	-	73	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-
21	-	-	62	-	5	-	4	3	8	12	-	11	7	-	-	-	-	-	-	-
22	-	-	10	-	5	-	-	-	17	30	4	-	3	-	21	-	-	-	-	-
23	7	-	2	-	12	17	10	34	20	25	21	6	1	-	-	-	-	-	-	-
24	-	-	44	8	-	-	-	-	2	3	-	3	1	10	-	-	-	-	-	-
25	-	-	23	22	9	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
26	-	30	2	5	6	81	-	-	6	-	21	-	-	-	-	-	-	20	30	-
27	-	1	6	0	10	109	-	-	-	-	75	-	-	-	-	-	-	45	60	-
28	-	-	3	-	-	11	-	-	-	-	9	5	1	-	-	-	-	14	39	-
29	-	-	33	-	16	-	-	-	13	-	1	9	10	-	-	-	-	-	-	-
30	-	-	5	-	-	-	-	-	-	-	-	7	28	-	-	-	-	-	-	-
31	-	-	19	-	-	-	9	-	7	12	-	8	2	-	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 23	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	27	15	19	50	15	8	5	6	26	6	-	5	17	5	5	20
2	25	6	-	87	33	-	-	-	13	-	-	21	3	16	13	10
3	4	2	-	-	12	4	-	-	21	-	6	-	2	7	3	-
4	34	2	-	-	-	-	-	-	25	-	-	-	-	-	2	30
5	31	0	-	81	16	13	6	-	20	-	-	-	-	-	6	22
6	28	9	15	-	6	8	2	4	-	-	-	20	15	10	10	10
7	3	1	68	36	-	-	-	13	12	28	-	15	11	9	2	-
8	-	5	-	-	28	2	-	-	-	29	-	11	20	-	-	24
9	10	1	-	45	10	8	-	2	11	3	5	13	6	4	-	10
10	26	2	68	-	4	-	-	-	9	-	4	-	3	7	-	-
11	33	31	18	-	9	6	-	-	12	37	-	-	-	-	-	10
12	12	25	-	63	40	-	1	13	48	-	-	11	12	-	3	6
13	-	-	28	-	9	3	4	-	10	3	4	-	5	-	2	2
14	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-	-
15	19	13	-	-	-	-	-	-	-	7	-	-	-	-	-	24
16	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	11	2	1	-
20	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	21	-	-	-	-	-	-	-	-	-	-	3	-	-	-
22	18	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	18	-	-	-	-	-	-	9	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	1
31	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	6

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	D 01	DK 2	F 01	IC 1	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 17	N 18	N 19	N 20	N 21
1	*80	-	-	-	1457	924	218	364	576	519	877	549	230	38	92	1209	586	495	182	266
2	-	-	-	-	1569	969	504	312	438	473	48	512	-108	101	225	-	484	278	118	112
3	-	-	-	-	-	312	77	60	113	745	176	61	-106	-	248	-	168	-362	-	-
4	*50	-	-	-	1466	1020	758	388	595	1592	828	846	35	NEG	-127	540	504	403	163	336
5	*251	-	-	-	567	697	194	272	266	680	486	361	-226	110	48	931	977	130	80	42
6	*404	-	140	-	819	796	445	327	560	456	223	431	-70	3	-	255	375	75	84	-14
7	-	-	-	-	-	-95	-59	203	96	101	40	36	-	26	-21	163	187	-	48	-32
8	*554	-	-	-	-	-2	-	56	NEG	-	43	-	-31	-	-	-	-	-	-	-
9	*540	-	-	NEG	273	150	-217	310	336	252	927	264	-70	-	-15	247	140	-11	102	83
10	*328	-	-	NEG	373	72	224	127	261	479	229	257	-104	6	-85	-	14	-	152	122
11	-	-	-	-	573	1323	146	308	528	31	756	-24	-103	67	-97	274	-50	318	-52	405
12	*139	-	-	-	430	405	69	247	428	339	903	216	-13	-6	22	89	487	60	10	-
13	*190	-	-162	NEG	157	53	167	428	488	104	342	140	62	99	-	67	132	-	-	-
14	-	-	-	-	-	13	-	-	168	-	-	-	-152	-67	-	-	-	-	-	-
15	-	-	-	NEG	153	123	-	264	400	230	100	NEG	-212	435	-	-	-	-	-12	47
16	-	-	-	-	213	30	187	180	280	92	70	90	58	246	NEG	73	306	-	-	-
17	-	-	-	NEG	-	-	-	-	-	-	-	-	-11	128	-	-	-	-	-	-
18	-	-	-	NEG	-	-	-	-	-	-	-	-	-	30	-86	NEG	-	-	-	-
19	-	-	-	NEG	-	-	-	-	-	21	-	-	-	352	-	-	-	-	-	-
20	-	-	-	NEG	-	-	-	-	-	164	-	-	-	294	-	-	-	-	-	-
21	-	-	-	NEG	-	8	-	60	40	40	40	-	150	127	-	-	-	-	-	-
22	-	-	-	NEG	-	30	-	-	-	342	104	-5	-	101	-	43	-	-	-	-
23	-	*119	-	NEG	-	115	67	180	540	528	621	383	170	8	-	-	-	-	-	-
24	-	-	-	NEG	159	-	-	-5	-	-31	10	--2806		NEG	120	-	-	-	-	-
25	-	-	-	NEG	170	152	-	NEG	-	24	-	3	-	-	-	-	-	-	-	-
26	-	-	*40	NEG	103	89	1385	-	-	113	-	400	-	-	-	-	-	-	450	504
27	-	-	-	NEG	21	192	655	-	-	-	-	+00	-	-	-	-	-	-	400	655
28	-	-	-	NEG	-	-	-30	-	-	-	-	88	84	21	-	-	-	-	126	-385
29	-	-	-	NEG	-	38	-	-	-	132	-	5	183	182	-	-	-	-	-	-
30	-	-	-	NEG	-	-	-	-	-	-	-	NEG	88	720	-	-	-	-	-	-
31	-	-	-	NEG	-	-	-	213	-	125	245	-	198	164	-	-	-	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA DECEMBER 72

PRECIPITATED ACID (MICROEQUIVALENTS PER M2) * COMPUTED FROM PH

DATE	N 22	N 23	N 24	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	SF 1	SF 2	SF 3	SF 4	SF 5	UK 1
1	423	156	336	120	442	258	141	255	94	210	191	-	80	77	29	54	112
2	180	352	80	-	805	657	-	-	-	156	-	NEG	-	50	264	168	144
3	249	105	34	-	-	224	84	-	-	91	29	*35	20	13	NEG	32	-
4	-	118	48	-	-	-	-	-	-	58	-	-	-	-	-	NEG	238
5	989	306	31	-	596	295	433	193	-	172	99	NEG	46	-	-	NEG	288
6	521	160	52	111	-	138	192	29	14	-	-	*1	535	256	263	235	586
7	303	19	NEG	378	229	-	-	36	133	125	172	6	93	NEG	NEG	28	-
8	-	-	152	-	-	559	56	-	-	-	558	NEG	90	218	-	NEG	312
9	203	115	40	-	738	255	125	-	44	58	13	80	368	103	NEG	-	141
10	63	140	31	570	-	114	-	-	-	99	-	NEG	19	301	52	NEG	-
11	8	220	666	152	-	182	112	90	-	70	114	-	-	-	NEG	-	57
12	-	138	543	-	564	558	-	285	158	231	-	-	182	151	NEG	NEG	38
13	78	-	-	216	-	205	16	90	-	130	7	*22	43	81	26	NEG	15
14	-	-	-	-	192	-	-	65	-	-	-	-	-	-	-	-	-
15	-	221	248	-	-	-	-	-	-	-	37	-	-	NEG	-	NEG	203
16	95	-	-	-	171	-	-	-	-	-	-	NEG	-	-	-	NEG	-
17	-	-	-	-	-	-	-	-	-	-	24	NEG	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	74	NEG	NEG	-
20	-	-	1590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	473	-	-	-	-	-	-	-	-	-	-	13	NEG	-	-
22	-	20	888	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	116	-	-	-	-	-	-	-	-	-	-	-	-	NEG	-
24	-	-	290	-	-	-	-	-	-	303	-	-	NEG	-	-	NEG	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NEG	-
30	-	-	3528	-	-	-	-	-	-	-	-	-	-	-	-	NEG	3
31	-	-	1225	-	-	-	-	-	-	-	-	-	-	-	-	10	46