

DØGNOBSERVASJONER AV  
NEDBØRMENGDER, NEDBØRKOMPONENTER,  
SVOVELDIOKSYD OG SULFATPARTIKLER  
I LUFT 1974

TILLEGG TIL NILU TN 9/75

"SVOVELFORURENSNINGER I LUFT OG NEDBØR  
VED NORSKE BAKGRUNNSTASJONER  
DØGNMÅLINGER 1974"

AV

JØRGEN SCHJOLDAGER

NORSK INSTITUTT FOR LUFTFORSKNING  
POSTBOKS 115, 2007 KJELLER  
NORGE

## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - JANUARY 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS			LOCATIONS			
NP	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREDALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

## 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 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	0.41	0.02	-	-	-	-	-	-
2	-	0.30	-	7.60	0.38	-	-	1.00	-	0.08	-	-	-	-	-	-
3	0.41	0.36	0.28	1.16	0.33	2.52	-	0.15	-	-	-	-	-	0.09	4.54	4.60
4	-	0.20	0.24	0.66	0.32	-	-	0.11	-	-	-	-	-	0.08	-	-
5	0.42	0.24	0.23	-	1.24	-	-	0.12	-	-	-	-	0.15	-	-	9.20
6	1.17	0.54	0.64	0.28	0.89	0.14	-	0.23	-	-	-	-	-	0.02	-	17.20
7	0.34	0.20	0.21	0.41	0.40	-	-	0.18	-	-	0.22	-	-	0.10	-	15.40
8	0.12	0.07	0.15	0.31	0.19	-	-	0.14	-	-	0.09	-	0.07	0.06	1.00	12.70
9	0.72	0.56	0.41	1.97	1.45	0.30	1.76	0.30	-	0.06	0.04	0.11	-	0.03	1.20	25.00
10	0.17	0.09	0.46	0.37	0.30	0.08	-	0.21	-	-	3.69	0.07	0.08	0.04	1.68	19.00
11	0.09	0.05	0.05	0.60	0.44	0.04	0.17	0.03	-	-	0.03	0.01	0.08	0.01	0.42	5.30
12	0.51	0.41	0.25	1.04	0.71	0.49	0.91	0.16	0.83	-	0.08	0.19	0.07	0.06	1.12	3.80
13	0.22	0.14	0.16	0.42	0.16	0.09	0.16	0.09	-	-	0.03	0.13	0.09	0.02	0.33	3.80
14	0.14	0.18	0.02	0.99	0.32	0.13	0.49	0.11	0.40	0.04	0.06	0.10	0.21	0.16	0.57	2.40
15	0.21	0.47	0.11	3.90	0.32	0.40	0.55	0.14	-	0.09	0.04	-	0.03	0.07	-	3.48
16	0.08	0.05	0.17	0.66	0.15	-	0.53	0.09	0.26	0.16	-	-	-	-	0.60	1.06
17	-	0.28	-	0.49	0.22	0.04	0.07	-	0.38	0.04	0.08	0.21	-	-	-	-
18	-	0.14	-	1.71	0.72	0.17	0.38	-	0.06	0.21	0.05	-	-	-	-	-
19	-	-	-	6.00	-	0.03	0.32	-	0.43	1.05	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	0.04	0.02	-	-	-	-	-	-
21	-	-	-	-	-	-	1.52	-	0.35	0.79	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	0.36	0.54	-	-	-	-	-	-
23	0.10	0.10	0.07	0.35	0.16	0.18	0.14	0.04	0.14	0.07	0.02	0.04	0.04	0.01	0.42	1.67
24	-	-	-	1.85	0.97	0.33	0.39	-	0.11	-	-	-	-	-	-	-
25	-	0.33	-	2.88	-	0.11	0.31	-	0.03	0.02	-	-	-	-	-	-
26	0.17	0.20	0.34	1.65	0.37	0.08	0.13	0.11	-	0.44	0.08	-	-	-	-	4.20
27	0.09	0.08	0.17	0.13	0.14	0.02	0.04	0.04	-	-	0.10	0.22	0.12	0.02	0.40	2.63
28	0.19	0.14	0.19	1.55	0.61	0.24	0.36	0.10	0.80	0.08	0.04	0.14	-	0.08	1.42	1.63
29	-	0.60	0.06	-	0.88	0.08	0.90	0.09	-	0.44	-	0.09	0.24	-	0.37	1.03
30	0.90	0.74	1.34	5.70	3.10	0.10	0.21	0.37	-	-	0.06	-	-	0.16	-	-
31	0.34	0.29	0.34	0.79	0.73	0.19	0.23	0.11	-	0.06	0.05	0.46	0.17	0.08	1.72	7.50

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	1.39	-	-	-	-
2	-	-	-	-	-
3	-	0.06	-	0.32	-
4	-	0.09	0.12	-	-
5	-	0.03	-	-	-
6	-	0.05	0.12	0.05	-
7	-	0.28	0.11	0.08	-
8	-	0.10	0.05	0.08	-
9	1.07	0.10	0.14	0.12	-
10	1.12	0.08	0.20	0.06	-
11	0.34	0.32	0.02	0.03	-
12	1.15	0.36	0.12	0.18	-
13	0.14	0.06	0.09	0.02	0.05
14	0.42	0.14	0.10	0.07	-
15	0.45	0.95	0.05	0.05	0.04
16	-	-	-	0.11	-
17	0.09	0.36	-	0.03	0.04
18	0.45	-	-	0.25	0.10
19	0.28	-	-	0.08	0.04
20	-	0.67	-	-	-
21	0.60	1.15	-	1.02	-
22	-	0.14	-	-	-
23	0.63	0.11	0.05	0.04	0.04
24	0.76	0.15	-	0.09	0.03
25	0.72	0.06	-	0.05	0.03
26	0.17	0.15	0.09	0.05	-
27	0.09	0.26	0.07	0.02	-
28	0.35	0.75	0.10	0.43	-
29	-	-	0.12	-	-
30	0.11	0.78	0.32	0.06	-
31	0.23	0.09	0.13	0.07	-



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JANUARY 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	1.1	0.3	-	-	-	-	-	-
2	-	5.1	-	17.5	15.7	-	-	13.1	-	2.4	-	-	-	-	-	-
3	13.1	16.6	8.6	20.4	13.7	20.8	-	19.8	-	1	-	-	-	10.2	42.1	11.1
4	-	25.4	6.4	21.4	19.1	-	-	17.5	-	-	-	-	-	11.2	-	-
5	19.8	13.9	17.5	-	23.5	-	-	11.1	-	-	-	-	10.0	-	-	46.8
6	16.8	13.0	16.7	4.1	11.3	9.0	-	13.3	-	-	-	-	-	8.5	-	19.0
7	5.6	4.1	7.1	5.0	6.2	-	-	17.6	-	-	11.8	-	-	11.6	-	8.7
8	4.7	3.5	6.9	5.5	5.6	-	-	6.2	-	-	8.8	-	7.2	4.2	31.8	10.7
9	7.2	6.0	10.5	5.8	10.3	0.7	2.9	5.8	-	2.6	4.3	7.4	-	4.7	15.2	6.4
10	4.1	2.2	8.3	4.5	6.0	3.9	-	8.0	-	-	1.8	11.3	7.0	7.4	16.6	12.9
11	2.8	2.7	1.2	4.4	5.7	0.1	3.5	1.0	-	-	2.3	0.4	6.3	3.3	3.0	3.9
12	3.4	2.4	3.7	1.7	3.0	0.5	6.8	2.1	7.1	-	4.6	6.2	12.2	3.0	6.7	4.1
13	2.8	2.4	2.5	2.7	3.4	1.6	1.9	1.9	-	-	1.9	5.9	3.6	1.0	3.8	4.2
14	1.7	1.6	3.0	1.7	2.3	1.4	2.7	1.1	4.1	3.2	2.4	3.4	7.2	2.1	3.2	1.9
15	2.3	2.2	1.7	3.9	3.2	0.5	0.7	2.0	-	1.6	0.5	-	1.0	1.1	-	6.2
16	0.4	0.2	0.7	0.6	0.7	-	1.1	0.4	0.5	0.1	-	-	-	-	5.6	0.6
17	-	1.8	-	1.1	2.4	0.2	0.3	1.2	4.5	0.2	3.7	4.5	-	-	-	-
18	-	0.9	-	0.6	2.4	0.1	0.4	-	0.5	0.0	0.8	-	-	-	-	-
19	-	-	-	0.8	-	0.1	0.4	-	0.5	0.8	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	0.5	0.3	-	-	-	-	-	-
21	-	-	-	-	-	-	4.0	-	0.3	0.6	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	0.0	0.8	-	-	-	-	-	-
23	4.1	2.0	4.4	3.0	3.6	1.9	1.7	2.5	0.3	0.5	0.4	3.2	2.0	0.4	4.7	7.9
24	-	-	-	0.5	1.9	0.1	1.0	-	0.2	-	-	-	-	-	-	-
25	-	4.6	-	4.0	-	2.9	3.7	-	0.1	0.1	-	-	-	-	-	-
26	4.4	4.2	5.9	3.9	4.0	4.2	3.9	4.4	-	0.1	1.5	-	-	7.5	-	7.7
27	5.8	4.6	6.5	3.0	4.5	1.8	1.9	4.3	-	-	5.0	9.7	5.7	4.9	7.3	6.5
28	2.6	2.1	1.7	4.1	3.4	2.0	3.6	1.3	11.8	2.5	1.6	4.5	-	2.7	4.2	3.7
29	-	2.6	0.5	-	3.9	2.1	1.9	0.1	-	0.9	-	2.4	3.8	-	3.4	2.2
30	3.8	3.9	4.1	3.1	6.1	1.9	2.6	4.8	-	-	0.9	-	-	2.7	-	-
31	6.5	6.3	9.8	4.7	6.3	2.6	2.4	5.3	-	0.8	2.9	21.5	6.4	9.0	11.4	7.8

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA JANUARY 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	6.9	-	-	-	-
2	-	-	-	-	-
3	-	12.2	-	6.8	-
4	-	6.0	18.3	-	-
5	-	4.4	-	-	-
6	-	12.2	14.7	4.4	-
7	-	16.5	5.9	3.7	-
8	-	19.0	6.3	-	-
9	1.7	11.2	3.9	1.8	-
10	10.0	13.0	8.0	2.7	-
11	4.4	23.5	0.4	1.0	-
12	3.2	11.8	2.0	1.4	-
13	1.1	6.0	2.1	0.7	2.7
14	1.2	4.2	2.0	0.9	-
15	1.5	2.1	0.5	0.0	1.0
16	-	-	-	0.1	-
17	0.6	2.1	-	0.1	0.7
18	0.3	-	-	0.2	0.5
19	0.0	-	-	0.3	0.5
20	-	1.6	-	-	-
21	2.3	0.6	-	7.5	-
22	-	0.8	-	-	-
23	0.9	5.6	3.2	0.5	0.2
24	0.2	1.5	-	0.3	0.1
25	3.4	0.8	-	1.4	0.8
26	4.9	18.1	4.9	2.9	-
27	1.6	7.3	6.6	2.1	-
28	2.4	11.9	1.9	2.1	-
29	-	-	1.4	-	-
30	1.4	19.4	4.4	1.4	-
31	2.7	15.9	7.5	1.7	-

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	6.60	5.15	-	-	-	-	-	-
2	-	4.30	-	-	3.60	-	-	-	-	4.50	-	-	-	-	-	-
3	3.70	3.70	3.65	3.50	3.80	3.50	-	3.55	-	-	-	-	-	3.80	-	3.80
4	-	3.60	3.50	3.60	3.70	-	-	3.50	-	-	-	-	-	3.80	-	-
5	3.50	3.90	3.65	-	3.50	-	-	3.80	-	-	-	-	3.95	-	-	3.15
6	3.55	3.75	3.70	4.15	3.85	3.80	-	3.65	-	-	-	-	-	3.85	-	3.70
7	4.05	4.25	4.05	4.05	4.15	-	-	3.90	-	-	4.30	-	-	3.90	-	4.00
8	4.05	4.30	4.00	4.00	4.15	-	-	4.30	-	-	4.00	-	4.05	3.90	-	3.80
9	4.10	4.00	3.90	4.00	3.85	4.60	4.35	4.00	-	4.20	4.15	4.00	-	4.10	3.70	3.80
10	4.55	4.60	4.00	4.25	4.30	4.10	-	4.00	-	-	7.40	3.80	4.40	3.90	3.70	3.80
11	4.80	4.65	4.95	4.20	4.40	4.80	4.30	4.90	-	-	4.45	4.65	4.55	4.25	4.20	4.25
12	4.35	4.45	4.30	4.30	4.40	4.45	4.35	4.45	5.70	-	4.15	3.95	4.30	4.10	4.00	4.20
13	4.30	4.40	4.40	4.35	4.30	4.30	4.35	4.40	-	-	4.45	4.15	4.30	4.45	4.30	4.20
14	4.40	4.45	4.40	4.30	4.40	4.50	4.10	4.55	5.15	4.15	4.65	4.30	4.40	4.45	4.40	4.40
15	4.20	4.30	4.60	4.10	4.15	4.90	4.80	4.55	-	4.70	4.50	-	4.75	4.40	-	4.15
16	4.80	4.90	5.60	4.80	5.10	-	5.00	4.70	6.40	5.20	-	-	-	-	4.25	4.70
17	-	5.85	-	4.75	4.50	5.40	5.15	-	6.30	5.20	5.20	4.60	-	-	-	-
18	-	6.20	-	5.10	4.55	4.90	5.25	-	6.30	5.30	-	-	-	-	-	-
19	-	-	-	5.15	-	6.00	5.30	-	6.00	4.90	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	6.60	5.50	-	-	-	-	-	-
21	-	-	-	-	-	-	6.50	-	6.00	5.30	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	6.30	5.25	-	-	-	-	-	-
23	4.10	4.35	4.20	4.20	4.20	4.40	4.45	4.30	6.10	4.85	4.75	4.40	4.45	4.70	4.20	4.05
24	-	-	-	4.75	4.85	5.05	5.50	-	5.70	-	-	-	-	-	-	-
25	-	4.05	-	4.00	-	4.30	4.20	-	5.80	5.20	-	-	-	-	-	-
26	4.00	4.10	4.50	4.05	4.30	4.00	4.10	4.00	-	-	5.50	-	-	3.90	-	3.80
27	4.10	4.30	4.10	4.25	4.30	4.40	4.45	4.15	-	-	4.20	4.00	4.20	4.00	3.75	4.05
28	4.35	4.40	4.50	4.00	4.30	4.35	4.20	4.40	3.85	4.30	5.00	4.20	-	4.30	4.00	4.25
29	-	4.45	4.80	-	4.50	4.35	4.55	4.45	-	4.90	-	4.95	4.25	-	4.15	4.35
30	4.20	4.10	4.10	4.05	-	4.70	4.30	4.05	-	-	4.65	-	-	4.20	-	-
31	4.10	4.10	4.10	4.20	4.10	4.30	4.30	4.35	-	4.50	4.25	3.70	4.15	3.90	3.90	4.00

## LONG RANGE TRANSPORT OF AIR POLLUTANTS. FINAL DATA

JANUARY 74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	3.80	-	-	-	-
2	-	-	-	-	-
3	-	3.65	-	4.95	-
4	-	6.45	3.50	-	-
5	-	4.25	-	-	-
6	-	4.60	3.70	4.30	-
7	-	-	4.00	4.25	-
8	-	3.70	3.95	-	-
9	4.70	3.80	4.10	4.60	-
10	3.85	3.85	3.85	4.20	-
11	4.20	-	4.70	4.90	-
12	4.25	3.85	4.35	4.55	-
13	4.45	4.00	4.30	4.75	4.15
14	4.50	4.10	4.15	4.50	-
15	4.80	4.45	4.50	5.30	4.80
16	-	-	-	5.90	-
17	5.05	-	-	5.45	5.00
18	5.00	-	-	5.20	5.20
19	5.60	-	-	-	5.20
20	-	5.20	-	-	-
21	4.55	7.10	-	-	-
22	-	6.45	-	-	-
23	4.65	5.05	4.20	5.20	4.80
24	5.50	5.50	-	5.80	5.30
25	4.40	6.30	-	5.20	4.60
26	3.95	-	3.95	4.25	-
27	4.15	6.00	3.60	4.20	-
28	4.10	4.60	4.25	4.15	-
29	-	-	4.45	-	-
30	5.65	-	4.00	4.05	-
31	4.20	3.70	3.85	4.40	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	-272	8	-	-	-	-	-	-
2	-	52	-	-	250	-	-	-	-	40	-	-	-	-	-	-
3	204	230	225	315	160	315	-	280	-	-	-	-	-	160	-	185
4	-	286	315	250	200	-	-	315	-	-	-	-	-	160	-	-
5	354	148	225	-	315	-	-	160	-	-	-	-	112	-	-	880
6	308	201	200	71	140	160	-	225	-	-	-	-	-	140	-	250
7	91	67	89	89	71	-	-	125	-	-	50	-	-	125	-	127
8	96	63	100	100	71	-	-	50	-	-	100	-	89	125	-	177
9	84	113	125	100	140	29	45	100	-	63	71	100	-	80	236	180
10	29	31	100	56	50	80	-	100	-	-	-	160	40	125	254	188
11	14	28	9	63	40	19	56	14	-	-	35	24	52	56	70	66
12	59	44	50	50	40	35	45	35	-29	-	71	112	50	80	126	63
13	55	43	40	45	50	50	49	40	-	-	35	71	50	35	62	69
14	43	42	40	50	40	32	76	26	12	71	28	50	40	35	40	43
15	64	53	26	80	71	10	21	31	-	30	36	-	15	40	-	76
16	13	16	-16	19	21	-	10	34	-80	-1	-	-	-	-	52	25
17	-	-3	-	17	32	-2	4	-	-68	3	5	31	-	-	-	-
18	-	-16	-	11	28	4	0	-	-72	2	-	-	-	-	-	-
19	-	-	-	-4	-	-18	-2	-	-12	16	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-85	0	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-62	-1	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-168	2	-	-	-	-	-	-
23	88	50	63	63	63	40	40	50	-45	14	19	40	35	24	69	107
24	-	-	-	21	14	8	-3	-	-10	-	-	-	-	-	-	-
25	-	89	-	100	-	50	68	-	-8	3	-	-	-	-	-	-
26	108	94	38	89	50	100	88	100	-	-	-14	-	-	125	-	180
27	90	64	80	56	50	40	42	71	-	-	63	100	63	100	193	112
28	53	45	-1	100	50	45	76	40	140	50	40	63	-	50	111	67
29	-	34	19	-	32	45	30	35	-	15	-	33	56	-	80	41
30	71	83	80	89	-	34	63	89	-	-	27	-	-	63	-	-
31	93	91	80	63	80	50	57	45	-	30	56	200	71	125	125	94

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	177	-	-	-	-
2	-	-	-	-	-
3	-	230	-	11	-
4	-	-	378	-	-
5	-	56	-	-	-
6	-	25	228	50	-
7	-	-	110	56	-
8	-	198	122	-	-
9	25	158	88	30	-
10	140	116	157	63	-
11	80	-	22	18	-
12	62	132	50	36	-
13	37	100	50	20	71
14	35	78	74	32	-
15	14	45	23	1	16
16	-	-	-	-4	-
17	8	-	-	1	9
18	8	-	-	-3	3
19	1	-	-	-	6
20	-	-12	-	-	-
21	38	-	-	-	-
22	-	-120	-	-	-
23	25	0	64	3	16
24	1	-	-	-16	0
25	40	-	-	9	25
26	112	-	112	56	-
27	87	-352	256	63	-
28	92	25	53	71	-
29	-	-	40	-	-
30	1	-	100	89	-
31	80	200	160	40	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

SO<sub>2</sub> IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	4	1	1	17	1	1	1
2	29	1	22	1	4	1	1
3	43	26	15	21	37	4	1
4	32	20	10	30	30	5	1
5	18	6	-	35	20	5	1
6	12	6	45	17	7	4	1
7	11	8	23	4	7	1	5
8	23	11	29	10	12	8	5
9	10	8	-	24	14	20	3
10	41	37	-	25	38	12	1
11	33	29	-	3	38	16	1
12	12	8	1	20	19	14	2
13	6	12	3	13	9	5	1
14	7	5	1	5	4	8	1
15	1	3	1	6	19	6	1
16	1	3	1	9	10	6	1
17	1	3	1	6	13	7	1
18	-	1	1	2	4	5	1
19	3	2	6	11	3	1	1
20	1	3	4	6	4	1	1
21	1	9	6	1	13	1	3
22	2	3	5	1	13	1	1
23	4	3	8	1	10	1	1
24	4	7	1	1	6	1	5
25	6	1	1	1	13	1	1
26	12	13	10	4	7	1	1
27	23	15	13	44	52	5	1
28	1	4	6	6	4	3	5
29	1	11	14	5	6	5	5
30	8	21	6	15	17	3	3
31	3	6	11	6	22	16	6

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	1.9	1.1	2.5	3.5	0.4	1.3	1.8
2	7.8	2.3	8.3	6.9	9.7	1.6	3.2
3	13.7	12.5	7.0	18.8	17.6	1.5	4.6
4	13.0	10.7	4.1	13.2	23.6	2.3	6.5
5	4.4	8.3	-	19.1	15.8	0.3	6.1
6	10.8	3.9	12.8	10.9	14.0	0.8	4.5
7	6.8	9.3	7.9	7.0	11.2	2.5	3.1
8	9.6	4.5	1.9	12.5	15.0	4.0	3.0
9	8.0	6.7	-	6.3	6.7	2.0	2.4
10	12.4	5.0	-	17.3	10.7	2.9	3.3
11	6.3	10.5	-	14.9	7.4	3.6	5.5
12	7.1	1.7	2.4	13.8	13.4	2.7	4.2
13	2.4	2.4	2.2	13.1	1.3	1.2	2.0
14	2.3	2.1	3.0	4.5	3.6	0.4	1.8
15	0.6	1.9	1.4	3.7	0.8	0.4	0.7
16	0.6	0.0	0.3	2.9	3.5	0.2	0.2
17	0.8	0.3	0.1	1.2	0.8	0.3	0.3
18	0.0	0.4	1.0	1.9	2.1	0.2	0.2
19	0.7	0.1	0.9	2.9	1.4	0.4	0.2
20	2.2	2.9	4.8	16.4	3.3	0.3	0.3
21	2.7	2.4	1.1	8.1	4.9	0.3	0.8
22	0.6	1.1	5.8	4.0	1.6	0.1	0.4
23	2.8	2.4	0.8	10.3	5.4	1.3	0.5
24	0.7	1.0	2.0	3.7	3.4	0.3	0.3
25	6.1	4.3	3.0	5.4	19.5	0.2	1.0
26	7.7	7.8	5.3	10.5	0.1	0.9	5.2
27	8.2	6.0	2.6	23.7	31.9	0.6	9.7
28	3.3	3.0	2.6	6.4	1.6	0.2	2.9
29	1.6	2.1	7.4	7.4	2.3	1.7	1.6
30	8.4	7.7	1.5	9.0	9.2	1.2	2.4
31	5.0	4.7	1.9	10.7	10.0	1.6	3.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

## PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	52	0	0	0
2	0	5	0	4	26	0	0	2	0	8	0	0	0	0	0	0	0	0	0	0
3	51	30	44	39	23	9	0	28	0	-	0	0	0	12	13	31	0	0	3	0
4	-	19	34	37	21	-	0	19	0	0	0	0	0	8	0	0	0	77	0	0
5	66	30	107	0	11	0	0	24	0	0	0	0	49	0	-	60	0	0	0	-
6	59	77	56	66	73	35	0	86	0	0	0	0	0	66	0	31	0	131	3	-
7	166	93	103	80	96	-	0	163	0	0	17	0	0	9	0	66	0	29	4	-
8	136	69	88	23	154	0	0	64	0	0	17	0	62	30	8	96	0	37	-	0
9	96	72	223	44	36	11	18	68	0	5	18	25	0	54	24	17	16	59	3	0
10	91	43	89	78	89	29	0	122	0	0	2	37	10	51	67	60	8	88	6	0
11	85	50	31	54	88	0	22	15	0	0	8	9	20	41	15	136	8	6	1	0
12	71	43	52	14	32	8	54	32	41	-	11	21	24	14	24	45	12	29	6	0
13	100	81	78	54	89	67	52	66	0	0	15	84	28	22	72	141	26	58	5	11
14	25	26	28	16	36	28	57	9	25	9	7	27	26	9	26	12	12	12	6	-
15	6	8	6	6	14	10	9	7	-	9	2	0	7	4	0	8	5	6	0	3
16	4	2	5	4	7	-	0	2	3	1	0	0	0	0	13	5	0	0	0	-
17	0	1	0	7	4	1	3	0	39	2	3	11	0	0	0	0	9	0	0	2
18	0	1	0	2	2	3	11	0	8	0	0	0	0	0	0	0	3	0	2	3
19	0	0	0	1	0	0	10	0	9	4	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	-
21	0	0	0	0	0	0	3	0	2	7	0	0	0	0	0	0	7	0	3	-
22	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	-
23	54	38	32	38	73	50	39	27	6	1	3	31	14	2	49	68	8	22	6	0
24	0	0	0	2	1	1	7	0	7	0	0	0	0	0	0	0	2	0	1	0
25	-	12	0	3	0	26	20	-	1	1	0	0	0	0	0	0	4	0	2	1
26	24	20	17	5	10	46	51	16	0	0	2	0	0	8	0	13	7	8	3	-
27	40	44	33	78	62	14	15	24	0	0	9	22	33	48	35	30	6	37	4	-
28	61	45	24	32	45	22	49	17	8	2	7	21	0	18	15	41	17	17	2	-
29	0	7	5	0	4	15	4	0	0	1	0	15	11	0	10	7	0	7	0	0
30	31	39	3	7	2	67	122	20	0	0	3	0	0	2	0	0	26	9	7	-
31	41	51	32	28	19	38	55	28	0	2	5	41	36	16	13	24	16	15	7	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

## PRECIPITATED ACID (MICROEQUIVALENTS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0	0	0	0	0	0	0	0	-589	76	0	0	0	0	0	0	1352	0	0	0
2	0	56	0	-	414	0	0	-	0	140	0	0	0	0	0	0	0	0	0	0
3	792	410	1146	602	265	140	0	401	0	-	0	0	0	183	-	512	0	0	5	0
4	-	218	1695	430	223	-	0	351	0	0	0	0	0	112	0	0	0	1576	0	0
5	1172	320	1375	0	150	0	0	346	0	0	0	0	549	0	-	1120	0	0	0	-
6	1078	1190	675	1148	900	621	0	1461	0	0	0	0	0	1092	0	406	0	2032	32	-
7	2708	1523	1303	1416	1094	-	0	1154	0	0	70	0	0	95	0	962	0	532	53	-
8	2781	1263	1273	417	1953	0	0	522	0	0	188	0	762	887	-	1589	0	715	-	0
9	1123	1345	2642	764	490	447	279	1171	0	120	294	331	0	907	376	476	235	1322	45	0
10	637	596	1063	970	748	601	0	1528	0	0	-	519	55	859	1019	874	111	1739	140	0
11	423	508	221	762	616	117	347	213	0	0	118	481	166	706	345	2269	153	317	23	0
12	1221	770	703	395	430	584	360	537	-168	-	165	385	99	359	461	692	237	724	142	0
13	1943	1443	1245	900	1305	2066	1323	1378	0	0	283	1017	398	770	1164	2306	913	1404	148	277
14	657	687	374	484	616	658	1596	200	72	206	80	395	145	149	331	281	334	448	198	-
15	171	186	93	127	316	193	296	111	-	165	121	0	104	163	0	92	45	280	7	54
16	132	130	-119	123	187	-	2	156	-438	-9	0	0	0	0	116	185	0	0	-4	-
17	0	-2	0	114	59	-13	40	-	-593	23	4	75	0	0	0	0	127	0	1	32
18	0	-21	0	35	29	105	0	0	-1288	47	-	0	0	0	0	0	87	0	-23	18
19	0	0	0	-4	0	-93	-52	0	-241	72	0	0	0	0	0	0	9	0	-	18
20	0	0	0	0	0	0	0	0	-725	0	0	0	0	0	0	0	0	0	0	-
21	0	0	0	0	0	0	-	0	-320	-12	0	0	0	0	0	0	109	0	-	-
22	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	-
23	1148	929	457	802	1283	1072	944	541	-851	22	151	379	247	88	725	920	219	432	37	30
24	0	0	0	66	10	113	-22	0	-319	0	0	0	0	0	0	0	8	0	-48	0
25	-	244	0	70	0	449	374	-	-100	21	0	0	0	0	0	0	45	0	10	35
26	584	449	106	108	121	1095	1153	369	0	-	-22	0	0	127	0	309	171	178	50	-
27	625	611	407	1444	688	313	340	407	0	0	110	229	357	980	934	513	318	1426	128	-
28	1248	960	-14	780	668	473	1026	512	98	40	172	289	0	331	389	746	638	464	54	-
29	0	87	187	0	30	332	60	94	0	21	0	204	157	0	229	125	0	188	0	0
30	579	845	61	204	-	1199	2999	380	0	0	76	0	0	58	0	0	18	207	465	-
31	592	736	260	381	237	723	1322	238	0	72	87	382	405	223	143	293	484	326	162	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JANUARY 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	-	-	-
3	1.37	-	-
4	-	-	-
5	3.20	-	-
6	2.50	1.02	-
7	1.30	0.79	-
8	0.58	0.67	-
9	1.19	0.65	-
10	1.15	1.30	-
11	0.35	0.20	-
12	0.56	0.39	-
13	0.47	0.30	-
14	0.35	0.64	0.12
15	0.37	0.18	-
16	0.17	-	0.09
17	-	-	0.04
18	-	-	0.07
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	0.66	0.41	0.18
24	-	-	0.03
25	-	-	0.20
26	1.45	1.18	-
27	1.13	3.00	-
28	0.57	0.40	-
29	-	0.31	-
30	1.51	0.94	-
31	1.90	2.00	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	-	-	-
3	2.00	-	-
4	-	2.40	-
5	3.50	-	-
6	2.50	0.93	-
7	1.61	0.85	-
8	0.86	-	-
9	2.10	-	-
10	1.00	-	-
11	0.71	0.12	-
12	0.67	0.34	-
13	0.49	0.24	-
14	0.26	0.18	0.05
15	0.16	0.10	-
16	0.05	-	0.07
17	-	-	0.02
18	-	-	0.03
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	0.65	0.33	0.05
24	-	-	0.50
25	-	-	0.13
26	1.00	0.83	-
27	1.10	0.95	-
28	0.57	0.17	-
29	-	0.13	-
30	1.10	0.69	-
31	1.90	1.90	-

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	-	-	-
3	0.65	-	-
4	-	0.28	-
5	0.75	-	-
6	1.03	0.17	-
7	0.40	0.17	-
8	0.08	0.11	-
9	0.45	0.18	-
10	1.06	0.26	-
11	0.09	0.02	-
12	0.30	0.12	0.08
13	0.14	0.05	-
14	0.07	0.07	0.05
15	0.09	0.04	-
16	0.03	-	0.07
17	-	-	0.06
18	-	-	0.04
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	0.09	0.06	0.02
24	-	-	0.01
25	-	-	0.03
26	0.23	0.24	-
27	0.36	0.27	-
28	0.12	0.07	-
29	-	0.09	-
30	0.51	0.22	-
31	0.53	0.25	-

12



Blank

50  
16

## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - FEBRUARY 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS		
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREADALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEDALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## AMOUNT OF PRECIPITATION(MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	5.4	7.8	4.4	8.1	18.1	2.3	0.7	2.5	0.0	1.7	0.0	0.0	0.0	1.3	0.0	7.3	0.0	0.0	0.0	0.1
2	3.4	10.2	5.2	3.3	0.5	28.5	7.9	9.9	0.0	0.0	1.4	3.2	0.0	6.1	4.3	7.5	6.2	0.0	1.4	0.1
3	5.4	7.3	2.3	3.5	4.1	15.7	10.6	3.9	1.9	0.4	4.5	4.5	2.8	0.6	0.0	0.0	18.0	0.0	4.8	4.6
4	0.0	2.2	0.0	0.8	3.1	1.4	2.7	0.1	13.4	0.4	0.0	0.0	0.0	0.0	0.2	0.0	5.7	0.0	0.4	1.7
5	30.9	12.2	9.4	9.2	7.3	18.5	3.1	18.0	0.0	0.0	2.9	5.5	0.0	5.3	5.2	8.3	0.7	6.6	2.6	0.4
6	0.2	1.8	6.5	0.6	3.3	0.0	0.0	2.5	0.0	0.4	0.0	0.7	7.9	5.4	0.7	2.0	0.0	3.1	0.0	0.1
7	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
8	0.2	4.1	0.0	2.9	12.0	2.2	2.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
9	6.7	5.1	0.6	6.4	7.8	8.7	1.5	1.6	6.2	0.7	1.8	0.0	0.0	0.0	0.0	0.5	7.3	0.0	3.1	1.5
10	17.8	18.5	10.8	11.5	14.4	19.0	15.0	12.7	0.0	0.0	5.0	8.3	0.0	5.7	7.3	13.3	10.0	9.2	6.2	0.6
11	40.0	39.8	29.3	6.0	18.6	80.2	23.2	32.8	1.8	1.0	12.1	24.5	16.2	16.7	14.8	29.2	28.3	28.6	9.5	0.9
12	2.2	7.6	1.4	2.3	1.0	35.7	15.0	1.5	3.0	3.8	1.7	5.7	0.0	0.2	0.0	12.4	2.1	4.4	0.3	
13	0.0	0.4	0.0	1.4	0.0	2.1	0.0	0.0	6.4	1.8	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.6	0.0
14	0.0	1.0	0.0	0.0	0.0	0.3	0.0	0.8	0.0	0.0	0.0	9.2	0.0	0.0	4.5	0.0	0.6	0.0	0.7	0.1
15	2.2	0.7	1.1	8.9	0.4	2.0	2.2	0.1	0.4	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	3.0
16	8.1	6.6	2.6	10.8	14.3	0.0	0.0	2.5	0.6	0.1	0.0	0.0	0.0	3.5	0.0	2.1	1.8	0.0	0.6	1.6
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.2	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	7.6	0.0	0.9	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.2	0.4
20	0.0	0.9	0.0	3.4	2.7	5.0	7.6	0.0	11.7	1.4	0.0	1.7	2.0	0.0	0.0	0.0	12.1	0.0	0.0	2.9
21	0.0	0.0	0.0	1.8	0.0	2.7	10.4	0.0	26.1	10.5	0.0	0.0	0.0	0.0	0.0	0.8	24.0	0.0	0.3	0.3
22	0.0	0.4	0.0	0.7	0.4	4.3	7.4	0.0	16.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	1.4	0.5
23	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.0	3.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0	3.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	2.3	0.0	0.0	0.0	0.0	0.3	0.0	2.2	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
27	0.0	0.0	1.1	0.3	0.0	0.0	0.0	0.9	0.0	0.0	0.5	0.0	0.0	0.0	0.2	0.6	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	8.0	4.4	7.0	16.3	2.5	0.8	2.5	0.0	2.4	0.0	-	-	1.3	-	6.7	0.0	-	-	0.3
2	-	10.0	4.6	3.3	1.0	28.5	27.0	9.6	0.0	0.0	1.5	-	-	5.6	-	1.7	8.0	-	-	0.4
3	-	6.8	1.6	3.7	4.5	14.0	12.9	3.9	1.6	0.5	4.7	-	-	0.3	-	0.0	18.5	-	-	6.6
4	-	2.0	0.0	0.8	3.5	1.5	3.5	0.2	13.4	0.6	0.0	-	-	0.0	-	0.0	6.9	-	-	2.2
5	-	12.5	9.5	5.9	8.0	14.5	12.4	16.7	0.0	0.0	3.2	-	-	4.8	-	8.1	1.7	-	-	1.2
6	-	2.0	6.1	0.6	3.5	0.0	0.0	1.4	0.0	0.6	0.0	-	-	4.9	-	1.3	0.0	-	-	0.1
7	-	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.2	0.0	-	-	0.0	-	0.0	1.0	-	-	0.0
8	-	5.0	0.0	0.6	11.0	4.4	2.0	0.0	0.0	0.4	0.7	-	-	0.0	-	0.0	0.0	-	-	0.0
9	-	5.5	0.4	5.6	8.0	8.7	3.0	1.5	6.4	1.2	1.9	-	-	0.0	-	0.0	7.0	-	-	2.5
10	-	18.0	10.2	11.8	15.0	19.1	27.1	12.4	0.0	0.0	5.9	-	-	5.3	-	14.6	11.0	-	-	1.8
11	-	37.0	28.0	10.6	17.5	76.4	56.0	31.5	1.9	2.0	11.8	-	-	15.9	-	28.4	30.5	-	-	3.3
12	-	7.5	1.8	2.8	1.5	28.1	36.5	1.8	3.0	5.4	1.9	-	-	0.0	-	0.0	10.5	-	-	0.7
13	-	0.5	0.0	1.2	0.2	2.2	0.0	0.0	6.4	3.7	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
14	-	0.8	0.0	0.1	0.0	0.2	0.0	0.7	0.0	0.0	0.0	-	-	0.0	-	0.0	1.5	-	-	0.3
15	-	0.5	1.2	7.5	0.5	3.5	4.5	0.1	0.5	0.0	0.0	-	-	0.9	-	0.0	0.0	-	-	4.7
16	-	7.0	2.4	10.7	14.3	0.0	0.0	2.2	0.8	0.3	0.0	-	-	3.0	-	1.0	2.5	-	-	2.5
17	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	6.0	2.0	-	-	0.0	-	0.0	0.2	-	-	0.1
18	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
19	-	0.0	0.0	0.1	0.0	0.0	1.2	0.0	8.1	0.0	1.1	-	-	0.0	-	0.0	3.5	-	-	0.8
20	-	0.9	0.0	3.5	3.5	5.1	9.7	0.0	14.0	2.0	0.0	-	-	0.0	-	0.0	13.2	-	-	4.6
21	-	0.0	0.0	2.3	0.0	2.6	10.2	0.0	25.5	15.4	0.0	-	-	0.0	-	0.8	26.1	-	-	0.3
22	-	0.5	0.0	0.8	0.4	4.1	10.4	0.0	17.0	6.2	0.0	-	-	0.0	-	0.0	4.5	-	-	1.4
23	-	0.0	0.0	0.0	0.0	0.4	1.0	0.0	6.5	20.4	0.0	-	-	0.0	-	0.0	2.0	-	-	0.1
24	-	0.0	0.0	0.0	0.0	0.6	0.8	0.0	2.9	1.7	0.0	-	-	0.0	-	0.0	5.0	-	-	0.1
25	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.6	0.0	-	-	0.0	-	0.0	3.2	-	-	0.0
26	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-	-	0.0	-	0.2	0.0	-	-	0.0
27	-	0.0	1.2	0.3	0.0	0.0	0.0	0.8	0.0	0.0	0.5	-	-	0.0	-	1.4	0.0	-	-	0.0
28	-	0.0	0.0	0.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.3

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## 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 18	N 19	N 20	N 22	N 23
1	0.09	0.05	0.12	0.06	0.05	0.18	0.20	0.11	-	0.11	-	-	-	0.05	-	1.38
2	0.58	0.61	0.37	1.76	1.50	0.11	0.21	0.30	-	-	0.07	0.11	-	0.05	0.58	1.60
3	0.45	0.29	0.70	2.74	0.96	0.11	0.28	0.14	0.10	0.10	0.03	0.24	0.09	0.03	-	-
4	-	0.24	-	1.16	0.34	0.11	0.42	0.29	0.03	0.05	-	-	-	-	15.00	-
5	0.15	0.19	0.30	0.79	0.39	0.10	0.30	0.07	-	-	0.03	0.06	-	0.09	0.78	4.10
6	-	0.06	0.22	0.84	0.10	-	-	0.12	-	0.14	-	0.06	0.11	0.01	0.29	2.92
7	-	-	-	-	-	-	0.48	-	-	0.10	-	-	-	-	-	-
8	-	0.02	-	0.16	0.04	0.04	0.34	-	-	0.16	0.06	-	-	-	-	-
9	0.26	0.06	0.26	0.11	0.07	0.07	0.24	0.16	0.04	-	0.02	-	-	-	-	1.77
10	0.20	0.18	0.06	0.56	0.40	0.28	0.14	0.08	-	-	0.03	0.05	-	0.02	0.58	0.96
11	0.25	0.19	0.09	3.10	0.44	0.06	0.16	0.08	0.09	0.10	0.02	0.06	0.02	0.02	0.27	1.29
12	0.65	0.84	0.90	5.60	1.40	0.57	0.42	0.42	0.05	0.03	0.06	0.08	-	-	15.60	-
13	-	0.66	-	0.60	-	0.59	-	-	0.20	0.23	-	-	0.15	-	-	-
14	-	0.35	-	-	-	1.04	-	0.40	-	-	-	0.06	-	-	0.20	-
15	0.52	0.24	0.45	0.34	0.42	0.24	0.18	0.56	-	-	-	-	-	0.12	-	-
16	0.08	0.11	0.42	0.24	0.24	-	-	0.12	0.30	-	-	-	-	0.06	-	11.32
17	-	-	-	-	-	-	-	-	0.08	0.20	0.02	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	0.66	-	-	-	-	-	-
19	-	-	-	-	-	-	0.21	-	0.07	-	0.07	-	-	-	-	-
20	-	0.35	-	0.60	0.20	0.12	0.18	-	0.02	0.04	-	0.09	0.08	-	-	-
21	-	-	-	0.62	-	0.15	0.02	-	0.22	0.01	-	-	-	-	-	3.26
22	-	0.36	-	3.10	1.84	0.40	0.37	-	0.22	0.20	-	-	-	-	-	-
23	-	-	-	-	-	0.22	0.42	-	0.22	0.10	-	-	-	-	-	-
24	-	-	-	-	-	0.19	0.32	-	0.08	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	0.04	-	-	-	-	-	3.76	-
26	-	-	-	-	-	-	-	-	-	0.78	-	-	-	-	-	6.88
27	-	-	0.21	0.38	-	-	-	0.12	-	-	0.11	-	-	-	1.17	10.14
28	-	-	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	0.24	-	-	-
2	0.15	0.30	-	0.09	-
3	0.28	0.21	-	0.06	0.22
4	0.27	0.03	-	0.07	0.02
5	0.66	0.16	0.12	0.02	0.04
6	-	0.22	0.02	-	-
7	0.17	0.32	-	-	-
8	-	1.32	0.07	-	-
9	0.42	0.64	-	0.06	0.01
10	0.22	0.18	0.04	0.08	0.02
11	0.14	0.06	0.04	0.05	0.01
12	0.53	0.18	0.23	0.04	-
13	-	-	-	0.40	-
14	0.96	1.29	-	0.20	-
15	-	0.17	-	-	0.02
16	0.18	0.36	-	0.09	0.01
17	-	0.64	0.12	0.64	-
18	-	0.75	-	-	-
19	0.08	0.21	-	0.16	0.02
20	0.08	0.04	-	-	0.03
21	0.09	0.04	-	0.36	0.03
22	0.71	0.19	-	0.12	-
23	0.82	0.16	-	-	-
24	0.27	-	-	-	-
25	0.28	0.20	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	5.5	4.8	7.2	3.6	5.0	4.4	4.7	4.3	-	1.3	-	-	-	6.2	-	9.1
2	7.6	5.6	5.8	4.1	11.9	2.5	2.7	5.2	-	-	3.5	8.8	-	5.3	4.3	9.0
3	3.7	2.5	5.4	3.0	3.1	1.4	1.5	3.9	2.5	2.8	1.9	5.8	5.4	5.2	-	-
4	-	4.4	-	6.6	5.9	1.7	1.8	11.7	0.5	1.1	-	-	-	-	18.2	-
5	3.4	3.8	4.3	4.8	6.4	2.3	1.8	2.9	-	-	1.9	4.5	-	4.8	8.3	6.5
6	-	4.1	4.9	8.9	6.5	-	-	5.3	-	1.7	-	2.9	5.5	1.5	4.3	2.6
7	-	-	-	-	-	-	1.4	-	-	1.1	-	-	-	-	-	-
8	-	0.1	-	0.4	0.5	0.4	0.2	-	-	1.2	2.6	-	-	-	-	-
9	1.6	2.4	5.2	1.6	1.8	1.8	3.1	4.2	1.3	-	1.0	-	-	-	-	5.8
10	0.6	2.0	1.7	1.1	2.5	2.4	1.8	1.3	-	-	1.3	1.4	-	1.0	3.0	1.7
11	2.2	2.3	1.9	2.5	6.0	1.4	1.9	1.8	2.4	1.3	0.6	2.3	2.2	1.0	2.4	2.3
12	4.5	3.3	4.4	3.2	2.2	1.4	1.4	2.6	0.5	0.4	0.9	2.4	-	-	12.5	-
13	-	1.3	-	7.7	-	2.8	-	-	0.2	1.5	-	-	6.6	-	-	-
14	-	6.8	-	-	-	11.6	-	7.6	-	-	-	0.8	-	-	2.6	-
15	8.5	11.5	16.6	5.3	7.5	13.9	5.2	18.6	-	-	-	-	-	10.4	-	-
16	10.2	10.1	18.9	12.5	13.6	-	-	14.1	10.2	-	-	-	-	5.9	-	17.8
17	-	-	-	-	-	-	-	-	3.7	0.8	2.5	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	-
19	-	-	-	-	-	-	13.8	-	2.1	-	1.4	-	-	-	-	-
20	-	5.3	-	2.3	4.4	3.8	1.9	-	1.3	0.5	-	5.8	2.5	-	-	-
21	-	-	-	0.8	-	2.7	0.7	-	0.3	0.3	-	-	-	-	-	6.0
22	-	3.1	-	2.5	6.1	0.5	1.5	-	0.4	0.3	-	-	-	-	-	-
23	-	-	-	-	-	0.9	2.0	-	0.6	0.2	-	-	-	-	-	-
24	-	-	-	-	-	1.7	1.3	-	0.7	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-	15.3	-
26	-	-	-	-	-	-	-	-	-	3.0	-	-	-	-	-	12.1
27	-	-	9.5	16.6	-	-	-	7.2	-	-	8.2	-	-	-	38.1	5.0
28	-	-	-	-	12.1	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	-	7.7	-	-	-
2	2.8	14.1	-	2.2	-
3	2.0	4.4	-	1.5	0.0
4	0.9	4.4	-	1.4	0.7
5	10.3	12.7	3.8	1.0	0.2
6	-	12.4	3.9	-	-
7	1.4	9.8	-	-	-
8	-	6.4	3.9	-	-
9	0.0	5.9	-	8.3	0.7
10	1.3	4.6	1.4	1.0	0.9
11	1.7	0.3	1.6	1.5	0.4
12	0.7	1.9	2.1	0.7	1.0
13	-	-	-	1.6	-
14	18.8	24.8	-	3.5	-
15	-	28.4	-	-	1.3
16	7.4	38.8	-	6.9	1.3
17	-	-	14.1	10.7	-
18	-	6.5	-	-	-
19	8.7	6.8	-	5.7	1.6
20	0.7	2.6	-	-	1.1
21	0.4	1.1	-	6.9	1.1
22	0.3	0.5	-	0.9	-
23	1.3	0.7	-	-	-
24	1.8	-	-	-	-
25	2.6	1.5	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	3.90	4.40	3.80	4.00	4.00	4.00	4.25	4.00	-	4.85	-	-	-	3.90	-	3.75
2	3.90	4.00	4.10	4.25	4.80	4.25	4.25	4.05	-	-	4.35	3.90	-	4.10	3.80	3.75
3	4.20	4.30	4.20	4.20	4.30	4.40	4.60	4.10	6.30	4.80	4.40	4.10	4.10	4.10	-	-
4	-	4.20	-	3.90	4.00	4.25	4.60	-	6.35	4.80	-	-	-	-	-	-
5	4.15	4.05	4.00	4.00	3.90	4.20	4.35	4.10	-	-	4.30	4.00	-	3.95	3.80	3.95
6	-	4.30	4.00	3.90	4.05	-	-	5.50	-	-	-	4.25	4.30	4.20	4.10	4.50
7	-	-	-	-	-	-	4.70	-	-	-	-	-	-	-	-	-
8	-	5.30	-	4.70	4.80	5.00	5.30	-	-	-	4.30	-	-	-	-	-
9	4.25	4.55	4.05	4.40	4.60	4.50	4.45	4.00	6.50	-	4.30	-	-	-	-	4.05
10	4.45	4.50	4.50	4.70	4.45	4.40	4.60	4.55	-	-	4.65	4.40	-	4.45	4.35	4.40
11	4.45	4.50	4.50	4.40	4.45	4.60	4.50	4.45	6.10	4.60	5.10	4.55	4.35	4.50	4.40	4.35
12	3.95	4.20	4.20	4.50	4.10	4.70	4.70	4.50	5.25	4.55	5.10	4.40	-	-	-	-
13	-	3.80	-	3.50	-	4.30	-	-	5.70	4.60	-	-	4.20	-	-	-
14	-	4.20	-	-	-	-	-	3.70	-	-	-	4.60	-	-	4.20	-
15	3.70	3.70	3.60	3.85	3.70	3.50	3.90	-	-	-	-	-	-	3.65	-	-
16	3.65	3.75	3.60	3.60	3.55	-	-	3.55	-	-	-	-	-	3.85	-	3.50
17	-	-	-	-	-	-	-	-	4.60	4.75	4.20	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	3.75	-	4.70	-	5.90	-	-	-	-	-
20	-	4.50	-	4.30	4.30	4.15	4.80	-	4.70	5.15	-	4.30	5.40	-	-	-
21	-	-	-	4.80	-	4.50	5.30	-	5.65	5.40	-	-	-	-	-	4.50
22	-	4.75	-	5.05	-	5.40	4.90	-	5.75	5.90	-	-	-	-	-	-
23	-	-	-	-	-	5.10	6.20	-	5.80	5.50	-	-	-	-	-	-
24	-	-	-	-	-	5.70	6.20	-	5.90	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	6.00	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	5.50	-	-	-	-	-	3.75
27	-	-	4.60	-	-	-	-	4.10	-	-	4.90	-	-	-	-	4.40
28	-	-	-	-	4.05	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	-	4.80	-	-	-
2	4.25	-	-	4.30	-
3	4.20	6.80	-	4.40	4.70
4	4.50	4.00	-	4.70	4.30
5	3.75	-	3.75	5.00	4.50
6	-	-	4.05	-	-
7	4.50	5.75	-	-	-
8	-	6.20	4.05	-	-
9	4.15	-	-	3.80	4.60
10	4.50	4.25	4.50	4.45	4.45
11	4.45	6.20	4.50	4.45	4.25
12	4.90	4.60	4.30	5.30	4.55
13	-	-	-	6.30	-
14	3.40	-	-	4.30	-
15	-	4.50	-	-	4.10
16	3.50	3.90	-	3.70	4.00
17	-	4.50	3.55	-	-
18	-	4.10	-	-	-
19	3.70	4.10	-	-	4.25
20	4.70	4.50	-	-	4.55
21	4.85	5.40	-	-	4.55
22	5.25	5.35	-	5.50	-
23	4.70	5.40	-	-	-
24	4.65	-	-	-	-
25	4.20	5.15	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	140	50	173	100	100	100	56	100	-	10	-	-	-	125	-	188
2	132	111	80	56	16	56	71	89	-	-	45	125	-	80	180	192
3	73	48	63	63	50	40	28	80	-2	16	40	80	80	80	-	-
4	-	60	-	125	100	56	28	-	-53	16	-	-	-	-	-	-
5	74	92	100	100	125	63	50	80	-	-	50	100	-	112	182	133
6	-	56	100	125	89	-	-	-	-	-	-	56	50	63	80	22
7	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-
8	-	2	-	18	18	10	0	-	-	-	50	-	-	-	-	-
9	62	31	89	40	29	33	48	100	-60	-	50	-	-	-	-	89
10	35	36	32	17	35	40	30	29	-	-	23	40	-	35	46	31
11	38	35	35	40	35	30	30	35	-	25	8	34	45	39	43	42
12	121	65	63	30	80	15	24	32	2	24	-8	40	-	-	-	-
13	-	160	-	315	-	50	-	-	1	22	-	-	63	-	-	-
14	-	63	-	-	-	-	-	200	-	-	-	28	-	-	72	-
15	253	252	250	140	180	315	152	-	-	-	-	-	-	225	-	-
16	248	187	250	250	280	-	-	280	-	-	-	-	-	140	-	396
17	-	-	-	-	-	-	-	-	23	23	63	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	189	-	3	-	-4	-	-	-	-	-	-
20	-	32	-	50	50	71	14	-	23	6	-	50	-8	-	-	-
21	-	-	-	28	-	36	1	-	-7	-3	-	-	-	-	-	32
22	-	18	-	9	-	2	12	-	-21	-6	-	-	-	-	-	-
23	-	-	-	-	-	8	-	-	-8	-2	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-32	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-46	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180
27	-	-	25	-	-	-	-	80	-	-	13	-	-	-	-	40
28	-	-	-	-	89	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	16	-	-	-
2	66	-	-	50	-
3	66	-	-	40	16
4	31	100	-	20	50
5	180	-	209	1	32
6	-	-	99	-	-
7	32	-	-	-	-
8	-	-	89	-	-
9	73	-	-	160	25
10	40	62	32	35	35
11	45	-114	36	35	56
12	9	20	46	3	28
13	-	-	-	-	-
14	400	-	-	50	-
15	-	66	-	-	96
16	352	125	-	200	100
17	-	6	341	-	-
18	-	80	-	-	-
19	229	80	-	-	56
20	24	32	-	-	31
21	17	2	-	-	31
22	9	-8	-	-42	-
23	20	2	-	-	-
24	25	-	-	-	-
25	66	6	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	3	1	20	2	11	1	1
2	4	1	3	3	8	7	4
3	2	1	1	2	11	4	1
4	4	4	4	7	8	1	9
5	8	4	6	23	16	5	9
6	3	4	7	17	1	3	8
7	3	5	4	9	4	2	8
8	2	4	4	15	1	1	5
9	5	1	5	13	1	3	5
10	2	1	6	15	1	4	5
11	3	1	5	4	1	1	6
12	5	1	5	6	8	3	5
13	1	1	9	4	7	4	6
14	1	1	38	16	10	2	6
15	23	15	22	10	11	6	8
16	21	10	14	11	9	18	9
17	18	7	15	35	10	2	8
18	-	1	7	13	8	1	1
19	8	1	1	13	6	1	1
20	10	1	1	3	8	1	1
21	5	1	1	3	5	1	1
22	6	1	3	1	3	1	1
23	11	1	4	1	5	1	1
24	2	1	1	1	1	2	1
25	3	4	1	1	1	2	2
26	7	6	3	12	1	2	2
27	5	4	3	9	1	1	2
28	11	1	6	5	1	2	1

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	3.3	3.5	5.1	7.2	9.5	0.9	2.3
2	4.3	4.8	0.2	12.4	6.8	0.8	3.4
3	1.6	1.8	0.8	5.1	6.7	0.9	1.4
4	3.2	3.9	2.9	4.8	2.3	0.7	0.7
5	4.2	4.3	2.1	12.6	14.7	1.5	2.8
6	3.9	4.3	2.6	6.2	5.3	2.4	1.2
7	2.8	2.8	3.0	3.5	2.9	1.2	1.2
8	1.2	0.9	1.5	1.6	3.2	0.7	0.5
9	3.8	4.3	0.7	5.1	3.9	0.5	1.1
10	3.3	3.1	2.4	5.4	7.6	0.2	1.8
11	2.5	2.3	1.5	3.8	5.4	0.2	1.1
12	3.1	2.9	2.8	5.4	5.9	0.6	1.0
13	4.0	4.4	3.1	5.6	5.9	0.5	0.5
14	5.8	5.6	11.5	7.2	14.9	1.5	1.9
15	15.2	14.7	2.1	11.6	11.8	2.3	6.8
16	6.8	5.1	4.3	12.4	10.6	3.7	8.5
17	5.8	9.4	6.7	17.2	18.0	0.9	5.5
18	3.6	5.4	7.8	4.0	6.7	0.6	2.6
19	3.6	4.6	6.2	4.0	4.2	0.9	1.2
20	3.8	1.9	1.5	5.5	4.5	0.7	0.7
21	1.6	2.5	2.8	5.9	1.4	0.2	0.4
22	1.5	1.0	0.6	3.9	3.7	0.1	0.4
23	0.4	2.3	3.4	1.7	0.4	0.1	0.2
24	0.6	3.3	0.9	2.4	0.9	0.1	0.3
25	0.8	3.5	3.4	5.2	2.3	0.3	1.6
26	1.6	4.5	0.6	6.8	5.1	0.4	0.9
27	6.6	9.8	1.5	11.5	6.6	0.5	2.4
28	-	1.5	5.3	5.6	7.1	3.0	2.9



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*Blank*

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## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

FEBRUARY 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	1.48	-	-
2	2.50	-	-
3	0.55	-	0.21
4	-	-	0.63
5	0.74	2.60	0.60
6	-	0.64	-
7	-	-	-
8	-	0.67	-
9	0.54	-	0.19
10	0.21	0.15	0.43
11	0.37	-	0.75
12	0.76	0.29	0.51
13	-	-	-
14	-	-	-
15	2.10	-	0.96
16	1.45	-	1.17
17	-	2.60	-
18	-	-	-
19	-	-	-
20	-	-	0.35
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	1.00	-	-
2	1.90	-	-
3	0.34	-	0.04
4	-	-	0.06
5	0.60	0.54	0.11
6	-	0.43	-
7	-	-	-
8	-	0.34	-
9	0.23	-	0.04
10	0.15	0.06	0.09
11	0.36	-	0.08
12	0.38	0.12	0.19
13	-	-	-
14	-	-	-
15	1.01	-	0.13
16	1.00	-	0.16
17	-	1.20	-
18	-	-	-
19	-	-	-
20	-	-	0.09
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 26	N 28
1	0.12	-	-
2	0.68	-	-
3	0.20	-	0.04
4	-	-	0.02
5	0.14	0.10	0.29
6	-	0.04	-
7	-	-	-
8	-	0.08	-
9	0.17	-	0.01
10	0.09	0.04	0.07
11	0.14	-	0.04
12	0.30	0.11	-
13	-	-	-
14	-	-	-
15	0.51	-	0.04
16	0.22	-	0.04
17	-	0.54	-
18	-	-	-
19	-	-	0.10
20	-	-	0.07
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-

## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

MONTHLY SUMMARY OF RESULTS - MARCH 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS			LOCATIONS			
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREDALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH

74

AMOUNT OF PRECIPITATION(MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	8.3	8.9	1.1	1.1	9.2	0.0	0.0	8.5	0.0	0.0	0.6	0.0	0.0	5.5	0.0	1.5	0.0	2.1	0.6	0.0
3	13.1	5.6	2.7	0.4	10.8	0.0	0.0	7.4	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0
4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.4	0.0	0.0	1.0	0.2	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.6	0.0
6	0.3	0.9	0.0	0.8	0.5	0.4	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
7	0.0	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	4.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.2
15	0.0	0.0	0.0	0.6	0.3	0.7	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.1	0.0
16	0.0	0.0	0.0	0.0	1.3	1.1	0.0	0.8	0.0	0.3	0.0	0.0	3.8	7.4	0.0	0.0	0.0	1.1	2.9	0.0
17	6.4	8.0	7.5	7.9	6.6	21.6	14.5	7.5	0.0	1.3	3.8	5.1	0.0	18.5	2.5	5.9	7.0	8.8	6.9	0.4
18	16.2	15.9	27.1	22.0	15.4	13.7	12.4	11.7	0.0	2.6	3.8	6.0	8.2	13.2	8.0	11.4	0.7	13.0	14.3	1.8
19	14.0	12.7	5.6	1.7	10.8	17.3	3.6	8.9	0.0	0.5	0.0	2.8	1.5	0.0	2.8	4.1	6.7	8.8	2.6	0.1
20	0.0	0.0	1.7	0.3	0.0	25.3	7.8	4.1	0.0	0.0	2.3	19.0	0.0	3.7	20.1	1.9	8.8	4.6	9.0	0.1
21	0.3	1.7	1.3	7.7	3.8	5.1	4.8	1.7	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.8	0.0	0.3	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH

74

OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	0.0	0.1	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.8
2	-	10.5	1.3	0.3	8.4	0.0	0.0	5.4	0.0	0.0	0.6	-	-	5.5	-	1.6	0.0	-	-	0.1
3	-	7.5	2.7	0.7	9.0	0.0	0.0	7.0	0.0	0.0	0.3	-	-	0.0	-	2.0	0.0	-	-	0.0
4	-	1.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.1
5	-	0.5	0.0	0.0	0.8	0.2	0.0	0.6	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.5
6	-	0.8	0.0	0.7	0.5	1.0	0.0	1.4	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
7	-	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
8	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
9	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.3	-	0.0	0.0	-	-	0.0
10	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
11	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
12	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
13	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
14	-	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.5	2.5	0.0	-	-	0.0	-	0.0	2.5	-	-	0.8
15	-	0.0	0.0	0.8	0.3	1.2	0.0	0.0	0.0	0.3	0.0	-	-	0.0	-	0.0	3.0	-	-	0.1
16	-	0.0	0.0	0.0	1.0	1.3	0.0	0.8	0.0	0.3	0.0	-	-	8.5	-	0.0	0.0	-	-	0.2
17	-	10.5	7.2	7.0	6.3	22.1	23.3	6.6	0.0	1.6	4.1	-	-	18.5	-	5.5	8.0	-	-	1.4
18	-	15.5	27.5	22.5	15.5	14.0	11.6	11.6	0.0	3.3	4.9	-	-	14.5	-	12.8	1.3	-	-	2.6
19	-	12.0	4.9	2.0	11.4	18.5	5.2	9.2	0.0	0.7	0.0	-	-	0.0	-	3.2	4.0	-	-	0.1
20	-	0.0	1.5	0.2	0.0	23.9	11.0	3.8	0.0	0.0	2.7	-	-	3.1	-	2.9	10.5	-	-	0.4
21	-	1.5	0.8	8.4	4.0	5.0	6.0	1.3	0.0	0.0	0.0	-	-	0.9	-	0.0	1.3	-	-	0.0
22	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
23	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
24	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
25	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
26	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
27	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
28	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
29	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
30	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
31	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## 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 18	N 19	N 20	N 22	N 23
1	-	-	0.88	-	-	-	-	0.78	-	-	-	-	-	-	-	-
2	0.47	0.29	0.60	0.96	0.69	-	-	0.33	-	-	0.26	-	-	0.29	-	33.60
3	0.13	0.07	0.30	0.52	0.14	-	-	0.16	-	-	2.32	-	-	-	-	2.96
4	0.63	0.48	-	-	-	-	-	0.26	-	-	-	-	-	-	-	-
5	-	0.76	-	-	0.68	0.90	-	0.36	-	-	-	-	-	-	-	-
6	-	0.80	-	2.10	1.56	0.48	-	0.32	-	-	-	-	-	-	-	-
7	-	0.36	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	0.16	-	-	-	-	-	-
14	-	-	-	-	-	0.10	-	-	1.13	0.12	-	-	-	-	-	-
15	-	-	-	0.92	0.57	0.56	-	-	-	0.18	-	-	-	-	-	-
16	-	-	-	-	0.80	0.04	-	0.72	-	0.09	-	-	0.21	0.03	-	-
17	0.26	0.39	0.17	0.52	0.42	0.04	0.20	0.12	-	0.05	0.11	0.06	-	0.02	0.44	5.40
18	0.06	0.08	0.06	0.15	0.13	0.01	0.06	0.04	-	0.02	0.05	0.11	0.06	0.02	0.18	0.59
19	0.10	0.06	0.18	0.74	0.16	0.14	0.37	0.08	-	0.07	-	0.14	0.06	-	0.38	0.53
20	-	-	0.50	0.63	-	0.14	0.12	0.23	-	-	0.06	0.05	-	0.05	0.14	1.28
21	-	0.09	0.08	0.17	0.07	0.05	0.08	0.05	-	-	-	-	-	0.06	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	0.28	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	0.37	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	0.60	-	-	-
2	-	0.36	0.47	0.28	-
3	-	0.21	-	-	-
4	-	0.24	-	-	-
5	-	0.28	0.22	0.58	-
6	-	0.30	-	0.20	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	0.27	-	-	-	-
15	0.20	0.12	-	0.09	-
16	-	3.60	0.30	0.12	-
17	0.24	0.03	0.08	0.02	0.04
18	1.05	0.05	0.03	0.01	0.02
19	0.12	0.03	0.06	0.05	-
20	0.08	-	0.22	0.07	-
21	0.12	0.06	-	0.06	-
22	-	-	-	-	-
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	-
31	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	2.8	-	-	-	-	10.1	-	-	-	-	-	-	-	-
2	11.0	7.8	11.9	13.0	11.2	-	-	11.8	-	-	9.5	-	-	10.2	-	-
3	9.2	9.2	10.6	14.2	9.9	-	-	14.4	-	-	8.7	-	-	-	-	19.3
4	20.9	17.0	-	-	-	-	-	18.1	-	-	-	-	-	-	-	-
5	-	24.5	-	-	8.2	22.4	-	20.2	-	-	-	-	-	-	-	-
6	-	17.8	-	62.2	23.7	32.3	-	14.6	-	-	-	-	-	-	-	-
7	-	16.6	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	37.5	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-
14	-	-	-	-	-	2.2	-	-	72.6	0.0	-	-	-	-	-	-
15	-	-	-	21.8	15.5	41.4	-	-	0.5	-	-	-	-	-	-	-
16	-	-	-	-	21.1	5.6	-	59.7	-	0.3	-	-	16.5	2.5	-	-
17	7.1	7.3	7.6	3.0	5.6	1.6	1.5	4.5	-	0.9	8.0	6.5	-	2.5	7.2	14.5
18	2.6	2.1	1.7	1.8	2.0	0.3	0.3	2.2	-	1.2	1.5	6.4	3.0	2.5	3.8	3.0
19	2.6	1.7	3.1	5.4	1.9	2.7	4.0	1.5	-	0.6	-	4.4	2.3	-	4.3	5.5
20	-	-	7.7	4.1	-	3.2	2.1	4.3	-	-	4.1	3.9	-	5.6	4.4	8.1
21	-	5.2	2.1	6.5	4.1	2.1	1.6	2.9	-	-	-	-	-	5.1	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	11.1	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	-	31.1	-	-	-
2	-	28.6	13.3	7.4	-
3	-	47.6	-	-	-
4	-	38.5	-	-	-
5	-	22.2	14.8	12.7	-
6	-	25.8	-	7.5	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	2.1	-	-	-	5.7
15	9.0	13.2	-	11.1	-
16	-	-	26.4	2.0	-
17	3.2	17.0	3.1	1.0	3.2
18	5.3	7.7	1.9	0.4	0.7
19	1.5	5.3	1.1	1.4	-
20	1.9	-	6.0	3.2	-
21	4.2	9.5	-	0.8	-
22	-	-	-	-	-
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	-
31	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	5.20	-	-	-	-	4.10	-	-	-	-	-	-	-	-
2	4.05	4.35	4.30	3.85	4.10	-	-	4.10	-	-	4.65	-	-	4.40	-	4.60
3	4.05	3.95	4.10	3.40	3.85	-	-	3.90	-	-	-	-	-	-	-	4.20
4	3.80	4.20	-	-	-	-	-	3.90	-	-	-	-	-	-	-	-
5	-	4.55	-	-	4.05	-	-	4.20	-	-	-	-	-	-	-	-
6	-	4.10	-	3.30	3.80	3.60	-	4.10	-	-	-	-	-	-	-	-
7	-	4.30	4.55	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	4.60	-	-	3.30	5.30	-	-	-	-	-	-
15	-	-	-	3.90	-	3.15	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	3.70	3.95	-	3.30	-	-	-	-	3.95	4.60	-	-
17	4.10	5.55	4.00	4.20	4.00	4.45	4.50	4.10	-	-	4.00	5.25	-	4.30	3.85	3.90
18	4.35	4.45	4.70	4.50	4.40	5.00	5.55	4.30	-	4.30	4.60	4.50	4.50	4.30	4.10	4.20
19	4.30	4.50	4.15	3.80	4.30	4.20	4.00	4.40	-	4.75	-	4.10	4.90	-	4.05	3.95
20	-	-	4.50	4.60	-	4.05	4.20	4.00	-	-	4.20	4.30	-	3.95	4.00	3.90
21	-	5.90	5.20	3.90	4.05	4.40	4.60	4.35	-	-	-	-	-	4.05	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	4.40	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	-	5.15	-	-	-
2	-	5.50	4.15	4.10	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	4.20	3.90	4.90	-
6	-	3.80	-	4.10	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	4.75	-	-	-	4.10
15	3.80	4.60	-	3.65	-
16	-	-	3.60	4.45	-
17	4.10	3.80	4.15	4.70	4.15
18	-	3.90	4.30	5.10	4.55
19	4.45	3.85	4.40	4.60	-
20	4.20	-	3.90	4.05	-
21	3.90	3.70	-	-	-
22	-	-	-	-	-
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	-
31	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH

74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	-	-	5	-	-	-	-	80	-	-	-	-	-	-	-	-
2	110	48	50	140	80	-	-	80	-	-	22	-	-	40	-	25
3	109	120	80	400	140	-	-	125	-	-	-	-	-	-	-	63
4	208	63	-	-	-	-	-	125	-	-	-	-	-	-	-	-
5	-	28	-	-	89	-	-	63	-	-	-	-	-	-	-	-
6	-	80	-	500	160	250	-	80	-	-	-	-	-	-	-	-
7	-	50	28	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	125	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	27	-	-	500	6	-	-	-	-	-	-
15	-	-	-	125	-	705	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	200	112	-	500	-	-	-	-	112	26	-	-
17	94	-41	100	63	100	35	53	80	-	-	100	2	-	50	176	152
18	45	37	23	33	40	7	-10	50	-	50	25	35	35	50	80	64
19	58	30	71	160	50	63	114	40	-	18	-	80	16	-	86	117
20	-	-	22	25	-	89	61	100	-	-	63	50	-	112	107	144
21	-	-15	6	125	89	40	25	45	-	-	-	-	-	89	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH

74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	6	-	-	-
2	-	-	100	80	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	63	142	13	-
6	-	160	-	80	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	18	-	-	-	80
15	180	25	-	225	-
16	-	-	308	35	-
17	88	200	75	19	80
18	-	122	54	6	30
19	35	138	43	26	-
20	65	-	150	89	-
21	160	204	-	-	-
22	-	-	-	-	-
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	-
31	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	16	1	6	7	1	2	1
2	22	12	3	14	8	5	3
3	12	4	11	12	19	8	2
4	11	13	1	13	13	6	2
5	9	8	1	9	10	3	2
6	6	8	1	9	7	4	2
7	3	5	1	18	8	4	2
8	6	3	1	19	18	2	3
9	9	12	9	10	18	3	2
10	11	10	5	26	23	2	4
11	13	10	5	80	22	1	1
12	18	17	1	36	23	3	1
13	11	7	1	26	5	1	1
14	7	4	4	3	2	3	1
15	9	11	11	25	3	6	4
16	49	55	7	1	20	18	15
17	6	80	5	5	7	17	7
18	4	6	4	17	1	1	5
19	-	3	5	8	1	1	4
20	7	12	10	18	6	1	1
21	5	9	5	21	3	1	3
22	2	2	8	45	3	1	1
23	7	5	40	28	4	1	2
24	1	4	2	41	3	1	1
25	4	7	1	29	6	1	1
26	2	9	1	28	7	1	1
27	1	9	3	14	4	1	1
28	1	8	6	45	1	5	1
29	9	6	7	32	4	1	1
30	4	6	15	28	7	2	2
31	8	3	4	34	1	1	1

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	7.8	1.3	4.6	6.5	9.7	3.7	0.7
2	9.4	12.5	23.1	0.5	14.5	5.2	8.1
3	12.2	0.9	8.7	17.9	13.5	8.5	6.9
4	12.4	4.5	9.8	14.4	15.9	4.3	5.3
5	9.8	4.9	10.5	11.4	10.3	3.2	4.2
6	10.1	11.2	11.5	9.6	7.3	2.0	4.6
7	10.1	1.0	10.8	14.0	10.8	2.7	3.9
8	15.0	2.3	1.5	17.8	16.0	0.8	0.1
9	11.0	5.7	7.4	12.9	15.8	1.5	7.1
10	7.2	8.4	4.8	10.9	9.1	1.3	4.8
11	6.1	5.9	4.3	13.8	7.1	0.5	2.4
12	7.5	7.6	9.9	7.4	7.6	1.0	3.5
13	7.6	9.4	2.6	11.9	1.1	1.0	3.9
14	3.1	5.2	12.1	12.5	4.6	0.7	2.1
15	14.9	19.8	18.5	22.6	7.8	0.7	2.8
16	30.4	35.0	1.9	4.6	6.3	10.4	15.3
17	5.5	1.4	1.0	10.9	0.7	5.3	4.8
18	1.3	2.5	1.7	5.2	1.7	1.1	0.9
19	1.7	0.8	3.1	3.8	1.8	1.1	1.0
20	7.8	7.1	4.5	9.6	2.8	1.5	1.7
21	2.7	3.9	2.9	3.5	0.8	2.0	2.6
22	2.8	3.0	3.3	5.2	2.6	0.7	2.4
23	4.2	5.2	19.1	6.8	0.7	0.8	2.3
24	2.6	2.8	1.7	5.0	1.2	0.9	1.5
25	2.1	2.2	0.7	3.4	2.0	1.4	1.7
26	1.9	2.0	0.8	5.1	6.1	1.7	0.4
27	3.7	3.0	1.3	4.6	2.2	1.1	1.7
28	3.3	2.5	3.1	12.7	6.5	2.1	2.2
29	4.0	4.3	4.7	7.6	6.1	2.9	2.1
30	6.5	6.2	5.6	8.7	5.3	4.2	2.2
31	6.0	6.4	7.1	8.2	6.2	4.0	1.7





## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MARCH 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	2.30	3.20	-
3	1.80	-	-
4	2.70	-	-
5	-	2.90	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	3.30	-
17	0.99	0.44	-
18	0.32	0.28	0.38
19	0.39	0.26	-
20	-	1.60	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-
31	-	-	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	2.50	3.30	-
3	2.35	-	-
4	4.35	-	-
5	-	3.50	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	5.40	-
17	2.65	0.37	-
18	0.23	0.14	0.13
19	0.20	0.14	-
20	-	1.60	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-
31	-	-	-

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	1.98	3.30	-
3	0.88	-	-
4	2.68	-	-
5	-	1.91	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	2.28	-
17	0.47	0.09	0.20
18	0.07	0.07	0.07
19	0.12	0.05	-
20	-	0.25	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-
31	-	-	-

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Blank

## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - APRIL 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS			LOCATIONS			
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREÅDALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEDALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL

74

## AMOUNT OF PRECIPITATION (MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	2.1	1.5	0.5	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL

74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-	0.0
2	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-	0.0
3	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	-	-	-	-	0.0	0.0	-	-	0.0
4	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	-	-	-	-	0.0	0.0	-	-	0.0
5	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	-	-	-	-	0.0	0.0	-	-	0.0
6	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-	-	-	-	0.0	0.0	-	-	0.0
7	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	-	-	-	-	0.0	0.0	-	-	0.0
8	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.5	-	-	-	-	0.0	0.0	-	-	0.0
9	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	-	-	-	-	0.0	0.0	-	-	0.0
10	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	-	-	-	-	0.0	0.0	-	-	0.6
11	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	-	-	-	-	0.0	0.0	-	-	0.0
12	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-	-	-	-	0.0	0.0	-	-	0.0
13	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	13.0	-	-	-	-	0.0	0.0	-	-	0.4
14	-	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	2.1	2.4	-	-	-	-	0.0	9.0	-	-	0.0
15	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-	-	-	-	0.0	0.0	-	-	0.0
16	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	-	-	-	-	0.0	0.0	-	-	0.0
17	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	-	-	-	-	0.0	0.0	-	-	0.0
18	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	-	0.0	0.0	-	-	0.0
19	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.7	-	-	-	-	0.0	0.0	-	-	0.0
20	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.4	-	-	-	-	0.0	0.0	-	-	0.0
21	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	-	-	-	-	0.0	0.0	-	-	0.0
22	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	7.1	-	-	-	-	0.0	0.0	-	-	0.0
23	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-	0.0
24	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	-	-	-	-	0.0	0.0	-	-	0.0
25	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	-	-	-	-	0.0	0.0	-	-	0.0
26	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-	-	-	-	0.0	0.0	-	-	0.0
27	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-	0.0
28	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-	0.0
29	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-	0.0
30	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 09	N 10	N 14	N 15	N 16	N 24	N 25
1	-	-	-	-	-	-	-
2	-	-	-	-	-	-	1.12
3	-	-	-	0.06	-	-	-
4	-	-	-	0.02	-	-	-
5	-	-	-	0.10	-	-	-
6	-	-	-	0.28	-	-	-
7	-	-	-	0.02	-	-	0.07
8	-	-	0.46	0.29	-	-	0.12
9	-	-	0.74	0.06	-	-	0.72
10	-	-	0.08	-	-	-	0.06
11	-	-	-	0.06	-	-	0.76
12	-	-	-	0.36	-	-	-
13	-	-	0.16	0.05	-	-	-
14	0.13	-	0.23	1.33	0.64	0.11	0.10
15	-	-	-	-	-	-	0.07
16	-	-	-	0.14	-	-	0.12
17	-	-	-	0.35	-	-	0.11
18	-	-	-	0.19	-	-	0.11
19	-	-	0.54	0.11	-	-	0.04
20	-	-	0.64	0.06	-	-	0.29
21	-	-	-	0.07	-	-	0.11
22	-	-	-	0.04	-	-	-
23	-	-	-	-	-	-	0.10
24	-	-	-	0.23	-	-	-
25	-	-	-	0.04	-	-	-
26	-	0.51	-	-	-	-	-
27	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 09	N 14	N 15	N 16	N 24	N 25
1	-	-	-	-	-	-
2	-	-	-	-	-	63.7
3	-	-	1.7	-	-	-
4	-	-	0.6	-	-	-
5	-	-	1.1	-	-	-
6	-	-	10.2	-	-	-
7	-	-	1.6	-	-	17.9
8	-	62.0	0.4	-	-	0.8
9	-	139.5	0.5	-	-	19.6
10	-	19.6	-	-	-	2.9
11	-	-	0.3	-	-	14.0
12	-	-	1.0	-	-	-
13	-	16.9	0.3	-	-	-
14	1.7	27.7	1.7	19.7	1.9	0.8
15	-	-	-	-	-	2.9
16	-	-	4.8	-	-	7.1
17	-	-	10.1	-	-	7.6
18	-	-	1.9	-	-	16.9
19	-	66.1	1.0	-	-	0.7
20	-	135.5	0.0	-	-	4.6
21	-	-	3.9	-	-	7.3
22	-	-	1.3	-	-	-
23	-	-	-	-	-	1.6
24	-	-	1.3	-	-	-
25	-	-	0.8	-	-	-
26	-	-	-	-	-	-
27	-	-	-	-	-	-
28	-	-	-	-	-	-
29	-	-	-	-	-	-
30	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL

74

## PH IN PRECIPITATION

DATE	N 09	N 14	N 15	N 16	N 24	N 25
1	-	-	-	-	-	-
2	-	-	-	-	-	5.55
3	-	-	5.25	-	-	-
4	-	-	5.25	-	-	-
5	-	-	5.15	-	-	-
6	-	-	-	-	-	-
7	-	-	4.80	-	-	3.60
8	-	3.15	5.35	-	-	4.95
9	-	2.70	5.80	-	-	-
10	-	3.80	-	-	-	4.70
11	-	-	5.45	-	-	-
12	-	-	-	-	-	-
13	-	5.70	5.20	-	-	-
14	5.60	3.40	4.90	5.30	4.65	6.15
15	-	-	-	-	-	4.70
16	-	-	4.15	-	-	3.90
17	-	-	3.85	-	-	4.15
18	-	-	5.95	-	-	3.60
19	-	3.40	5.05	-	-	5.65
20	-	2.70	5.75	-	-	-
21	-	-	4.20	-	-	4.05
22	-	-	4.80	-	-	-
23	-	-	-	-	-	6.60
24	-	-	-	-	-	-
25	-	-	5.80	-	-	-
26	-	-	-	-	-	-
27	-	-	-	-	-	-
28	-	-	-	-	-	-
29	-	-	-	-	-	-
30	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL

74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 09	N 14	N 15	N 16	N 24	N 25
1	-	-	-	-	-	-
2	-	-	-	-	-	-90
3	-	-	10	-	-	-
4	-	-	-1	-	-	-
5	-	-	12	-	-	-
6	-	-	-	-	-	-
7	-	-	20	-	-	295
8	-	705	3	-	-	10
9	-	2000	-10	-	-	-
10	-	160	-	-	-	12
11	-	-	1	-	-	-
12	-	-	-	-	-	-
13	-	-88	6	-	-	-
14	-4	400	14	4	17	-56
15	-	-	-	-	-	20
16	-	-	71	-	-	125
17	-	-	140	-	-	20
18	-	-	-34	-	-	262
19	-	400	5	-	-	-24
20	-	2000	-10	-	-	-
21	-	-	63	-	-	32
22	-	-	17	-	-	-
23	-	-	-	-	-	-137
24	-	-	-	-	-	-
25	-	-	-36	-	-	-
26	-	-	-	-	-	-
27	-	-	-	-	-	-
28	-	-	-	-	-	-
29	-	-	-	-	-	-
30	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL

74

## SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	14	5	5	40	1	3	1
2	13	14	3	26	11	6	1
3	10	11	13	31	16	4	1
4	10	11	9	21	3	3	1
5	12	12	11	37	9	3	1
6	11	3	5	23	6	8	1
7	5	5	6	13	4	4	1
8	5	4	7	6	5	1	1
9	6	2	3	4	3	1	2
10	10	3	1	1	1	1	1
11	5	1	1	1	1	1	1
12	4	1	1	1	1	1	1
13	5	1	1	4	1	1	1
14	1	1	1	2	1	2	1
15	2	1	1	8	1	1	2
16	2	1	-	9	1	1	1
17	3	1	-	7	5	1	1
18	1	1	-	8	1	1	1
19	1	1	-	1	1	1	1
20	6	2	1	1	1	2	1
21	5	1	1	7	1	1	1
22	5	1	1	11	1	2	1
23	4	1	1	9	1	1	2
24	1	1	1	9	7	1	1
25	3	1	3	11	7	1	1
26	2	1	2	12	2	2	1
27	13	5	4	9	7	1	1
28	9	1	5	9	7	1	1
29	6	1	1	16	7	2	5
30	8	3	1	6	5	2	10

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL

74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	12.6	10.4	7.8	11.0	8.2	4.3	3.8
2	17.7	18.5	2.7	2.6	12.0	9.9	9.3
3	21.5	23.3	17.6	28.4	8.6	13.5	9.4
4	29.4	38.5	20.0	23.5	18.8	6.6	14.5
5	34.0	33.8	34.1	32.2	11.4	6.4	10.9
6	12.7	7.8	14.9	13.9	4.8	16.9	2.5
7	6.4	10.0	22.3	15.5	1.8	10.0	3.8
8	7.7	10.0	44.0	11.3	4.5	0.4	2.8
9	13.6	16.2	15.9	3.8	0.8	2.2	8.4
10	8.3	9.6	0.5	14.6	4.9	0.8	2.9
11	1.3	1.5	1.9	1.7	1.5	1.1	1.1
12	1.6	1.4	2.1	1.9	1.6	0.5	5.7
13	1.6	0.1	1.5	1.8	1.6	0.3	0.9
14	1.4	0.0	1.1	1.0	0.7	0.1	0.7
15	0.9	0.1	18.3	1.0	0.8	0.1	0.6
16	1.6	0.2	1.1	1.3	1.9	1.0	0.5
17	2.8	0.5	0.9	4.8	7.2	1.4	1.4
18	6.5	0.1	0.7	6.0	3.5	1.7	3.2
19	4.5	2.9	0.1	7.2	1.6	0.1	2.8
20	1.3	0.6	1.0	1.3	1.7	0.1	0.9
21	0.8	0.3	1.6	2.6	1.2	0.7	0.6
22	2.3	0.3	6.2	3.4	2.9	0.2	1.3
23	0.6	0.3	0.4	1.2	0.7	0.1	0.9
24	0.7	0.3	0.9	1.2	1.0	0.5	0.8
25	1.5	0.1	1.2	2.5	1.3	1.2	1.0
26	2.5	0.5	5.5	3.5	2.3	1.4	1.4
27	2.8	3.5	3.1	5.6	4.0	1.0	2.5
28	7.7	1.9	4.0	9.5	8.0	1.9	2.3
29	9.3	7.4	5.2	10.6	10.9	1.4	6.3
30	8.6	10.3	6.7	5.7	9.3	2.1	6.0



LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL 74

## PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 09	N 14	N 15	N 16	N 24
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	8	0	0
4	0	0	6	0	0
5	0	0	6	0	0
6	0	0	4	0	0
7	0	0	35	0	0
8	0	122	2	0	0
9	0	107	1	0	0
10	0	162	0	0	0
11	0	0	2	0	0
12	0	0	0	0	0
13	0	101	4	0	0
14	7	58	4	10	15
15	0	0	-	0	0
16	0	0	7	0	0
17	0	0	42	0	0
18	0	0	5	0	0
19	0	59	5	0	0
20	0	60	0	0	0
21	0	0	14	0	0
22	0	0	9	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	1	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

APRIL 74

## PRECIPITATED ACID (MICROEQUIVALENTS PER M2)

DATE	N 09	N 14	N 15	N 16	N 24
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	46	0	0
4	0	0	-11	0	0
5	0	0	66	0	0
6	0	0	-	0	0
7	0	0	432	0	0
8	0	1391	17	0	0
9	0	1528	-15	0	0
10	0	1324	0	0	0
11	0	0	7	0	0
12	0	0	-	0	0
13	0	-527	78	0	0
14	-17	840	34	2	137
15	0	0	-	0	0
16	0	0	107	0	0
17	0	0	588	0	0
18	0	0	-95	0	0
19	0	357	23	0	0
20	0	891	-34	0	0
21	0	0	221	0	0
22	0	0	121	0	0
23	0	0	0	0	0
24	0	0	-	0	0
25	0	0	-36	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - MAY

1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS		
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKFNES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREDALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

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## AMOUNT OF PRECIPITATION (MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.3	1.5	0.0	3.4	4.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	8.6	3.5	0.0	0.2	0.0	0.0	0.0	12.7	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.3
4	1.2	0.0	1.9	0.0	0.8	0.0	8.8	1.3	0.0	0.0	0.0	2.5	2.3	5.0	0.2	1.6	2.5	5.6	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
13	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.5	0.0	1.2	0.0	1.1	5.2	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.3	3.6	0.2
20	0.0	0.0	1.2	1.0	0.4	1.7	0.7	5.1	3.2	0.0	0.0	0.0	4.9	5.5	1.3	0.6	16.6	2.4	3.0	2.1
21	0.2	0.0	0.0	0.0	0.0	1.3	0.8	0.0	4.2	0.0	0.0	0.0	15.6	0.8	0.0	1.7	1.9	0.0	0.0	11.9
22	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.3	0.5	0.0	3.3	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.4	1.8
23	0.5	0.0	3.0	8.6	1.7	3.7	1.8	9.4	0.0	0.3	0.0	0.0	0.0	2.4	0.0	0.0	0.0	4.7	0.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	1.3	3.2	0.0	16.6	11.3	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.9
26	0.0	1.0	0.4	2.0	0.4	7.6	10.5	0.3	9.5	3.0	0.0	0.9	0.0	0.0	0.0	0.0	5.2	0.4	1.6	0.2
27	1.3	1.1	0.0	0.0	0.0	8.3	5.0	0.0	5.6	0.1	0.9	0.0	0.0	0.0	2.8	0.0	0.6	0.0	1.4	0.2
28	18.8	24.2	18.7	17.4	27.3	15.5	13.6	10.3	1.4	0.0	6.2	12.5	0.3	13.8	18.1	20.6	14.0	11.5	8.5	1.6
29	0.0	0.0	0.5	0.3	0.3	10.8	8.9	0.0	11.0	0.0	0.0	2.7	0.0	0.0	6.4	0.0	3.6	0.0	0.9	0.8
30	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

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## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
2	-	1.5	0.0	3.5	4.0	0.0	0.0	0.1	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
3	-	0.0	0.0	9.8	4.0	0.0	0.1	0.0	0.0	0.1	14.0	-	-	0.2	-	0.0	0.0	-	-	0.7
4	-	0.0	1.7	0.0	1.4	0.0	10.5	1.1	0.0	0.0	0.0	-	-	3.8	-	1.1	3.5	-	-	0.0
5	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
6	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
7	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
8	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
9	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
10	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
11	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
12	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.2	0.0	-	-	0.0
13	-	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
14	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
15	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
16	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
17	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
18	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
19	-	0.0	0.9	0.0	1.5	5.1	0.0	1.8	0.0	0.0	0.0	-	-	0.0	-	0.0	3.2	-	-	0.1
20	-	0.0	1.1	1.1	0.3	2.0	1.0	5.0	3.2	0.0	0.0	-	-	5.1	-	0.5	15.2	-	-	1.9
21	-	0.0	0.0	0.0	0.0	1.9	1.0	0.0	4.3	0.1	0.0	-	-	1.6	-	1.8	2.8	-	-	11.6
22	-	0.0	0.0	0.0	0.0	2.1	0.0	0.2	0.4	0.0	3.6	-	-	4.0	-	0.0	0.0	-	-	1.7
23	-	0.0	3.1	7.8	1.7	4.1	2.0	9.3	0.0	0.3	0.0	-	-	3.1	-	0.0	0.0	-	-	0.0
24	-	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	2.4	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
25	-	0.0	0.0	0.0	0.0	1.4	3.0	0.0	16.7	11.6	0.0	-	-	0.0	-	0.0	2.6	-	-	1.0
26	-	1.3	0.2	1.5	0.8	7.9	10.1	0.1	9.5	2.4	0.0	-	-	0.0	-	0.0	6.0	-	-	0.3
27	-	1.4	0.0	0.0	0.0	8.2	4.9	0.0	5.6	0.1	0.8	-	-	0.0	-	0.0	0.6	-	-	0.1
28	-	23.6	18.2	17.4	27.0	15.6	18.5	10.1	1.5	0.0	5.8	-	-	12.5	-	16.0	15.0	-	-	2.2
29	-	0.0	0.3	0.8	0.3	11.5	8.8	0.0	9.9	0.0	0.0	-	-	0.0	-	0.0	5.0	-	-	0.9
30	-	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.1	0.0	-	-	0.0	-	0.0	0.0	-	-	0.2
31	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

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## 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 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	0.76	0.50	-	0.29	0.24	-	-	0.39	-	-	-	-	-	-	-	-
3	-	-	-	0.09	0.32	-	5.76	-	-	-	0.06	-	-	0.21	-	-
4	0.35	-	0.17	-	0.12	-	0.15	2.40	-	-	-	0.06	0.45	0.01	2.31	1.57
5	-	-	-	-	-	-	-	-	-	0.11	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	0.08	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.76	8.40
13	-	-	0.64	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	0.71	-	0.58	-	0.36	0.10	-	3.54	-	-	-	-	-	-	-	-
20	-	-	0.24	0.20	0.18	0.11	0.36	0.14	0.02	-	-	-	0.15	0.26	0.91	3.36
21	-	-	-	-	-	0.02	0.22	-	0.02	-	-	-	0.03	0.03	-	0.64
22	-	-	-	-	-	0.04	-	0.57	-	-	0.36	-	-	0.05	-	-
23	0.44	-	0.11	0.10	0.28	0.04	0.18	0.65	-	0.40	-	-	-	0.06	-	-
24	-	-	-	-	-	-	-	0.24	-	0.06	-	-	-	-	-	-
25	-	-	-	-	-	0.11	0.40	-	0.04	0.02	-	-	-	-	-	-
26	-	0.09	0.23	0.92	0.15	0.04	0.28	0.64	0.06	0.12	-	0.48	-	-	-	-
27	0.16	0.08	-	-	-	0.05	0.28	-	0.08	0.30	0.38	-	-	-	0.07	-
28	0.13	0.08	0.04	0.31	0.19	0.05	0.12	0.04	0.23	-	0.05	0.05	1.89	0.01	0.23	0.40
29	-	-	0.05	10.80	0.84	0.21	0.58	-	0.03	-	-	0.06	-	-	0.18	-
30	-	-	-	-	-	-	-	-	-	0.44	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

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## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	0.13
4	0.47	-	0.08	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	-	-	-	-	-
16	-	-	-	-	-
17	-	-	-	-	-
18	-	-	-	-	-
19	0.32	-	0.10	0.08	0.32
20	0.08	-	0.09	0.02	0.04
21	0.46	-	-	-	0.01
22	-	-	-	0.09	0.01
23	-	-	0.30	0.05	-
24	-	-	-	-	-
25	0.91	-	-	-	0.03
26	0.28	0.35	-	0.06	0.11
27	0.43	0.04	-	0.04	0.32
28	0.06	0.01	0.02	0.02	0.01
29	0.60	0.06	-	0.03	0.01
30	-	0.21	-	-	0.34
31	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

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## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	15.7	14.7	-	8.8	10.9	-	-	9.5	-	-	-	-	-	-	-	-
3	-	-	-	3.6	6.8	-	150.0	-	-	-	1.5	-	-	8.9	-	-
4	6.2	-	5.2	-	3.5	-	6.1	2.0	-	-	-	4.4	9.9	0.9	28.0	12.3
5	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.1	50.9
13	-	-	23.3	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	13.8	-	22.2	-	13.3	13.9	-	14.2	-	-	-	-	-	-	-	-
20	-	-	14.5	12.8	11.8	15.1	23.2	9.0	13.2	-	-	-	4.6	16.3	24.2	42.3
21	-	-	-	-	-	3.9	6.9	-	2.1	-	-	-	5.0	6.8	-	6.8
22	-	-	-	-	-	2.0	-	6.0	-	-	7.9	-	-	3.0	-	-
23	11.1	-	7.0	2.2	1.8	1.6	5.6	3.7	-	12.4	-	-	-	6.2	-	-
24	-	-	-	-	-	-	-	4.7	-	11.0	-	-	-	-	-	-
25	-	-	-	-	-	1.6	2.2	-	0.8	0.4	-	-	-	-	-	-
26	-	0.7	4.2	1.7	0.1	0.7	0.8	0.0	1.1	0.0	-	14.9	-	-	-	-
27	1.5	0.4	-	-	-	0.3	0.5	-	1.8	-	5.4	-	-	-	2.0	-
28	0.6	0.1	0.7	0.7	0.4	0.2	0.3	0.5	5.2	-	0.5	1.4	54.9	0.6	1.0	1.1
29	-	-	0.8	3.6	0.6	0.3	0.6	-	0.8	-	-	2.3	-	-	1.1	-
30	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	8.6
4	7.7	-	4.5	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	-	-	-	-	-
16	-	-	-	-	-
17	-	-	-	-	-
18	-	-	-	-	-
19	12.5	-	12.4	13.6	-
20	7.2	-	17.5	6.4	6.1
21	2.5	-	-	-	0.3
22	-	-	-	5.7	1.9
23	-	-	5.4	3.0	-
24	-	-	-	-	-
25	2.6	-	-	-	0.8
26	0.5	2.4	-	1.4	-
27	1.1	0.7	-	1.1	-
28	1.1	0.9	0.6	0.6	0.7
29	1.0	1.7	-	0.4	0.9
30	-	1.5	-	-	-
31	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	6.90	6.10	-	4.85	5.45	-	-	6.20	-	-	-	-	-	-	-	-
3	-	-	-	4.65	6.10	-	-	-	-	-	4.65	-	-	-	-	-
4	4.80	-	5.60	-	5.25	-	5.65	7.20	-	-	-	4.30	-	4.75	-	4.20
5	-	-	-	-	-	-	-	-	-	4.95	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	5.00	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	4.90	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	-
13	-	-	4.50	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	7.00	-	4.30	-	5.25	3.70	-	6.55	-	-	-	-	-	-	-	-
20	-	-	3.85	3.75	4.15	3.80	3.90	3.95	3.70	-	-	-	6.05	3.85	3.75	3.65
21	-	-	-	-	-	5.90	5.80	-	4.50	-	-	-	4.35	4.20	-	4.45
22	-	-	-	-	-	5.05	-	5.80	-	5.00	-	-	-	4.50	-	-
23	6.55	-	4.40	4.60	5.85	4.55	6.05	5.75	-	3.80	-	-	-	4.20	-	-
24	-	-	-	-	-	-	-	4.45	-	3.85	-	-	-	-	-	-
25	-	-	-	-	-	6.10	6.10	-	5.80	5.05	-	-	-	-	-	-
26	-	5.20	6.40	5.20	5.25	5.40	5.60	-	5.60	5.55	-	5.45	-	-	-	-
27	6.40	6.50	-	-	-	5.40	4.90	-	5.10	-	6.15	-	-	-	5.40	-
28	4.90	4.95	5.10	5.30	5.00	5.55	5.10	5.20	6.50	-	5.10	5.05	-	5.25	4.80	4.80
29	-	-	5.90	-	-	5.40	4.80	-	5.65	-	-	6.00	-	-	4.75	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	3.85
4	4.60	-	4.25	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	-	-	-	-	-
16	-	-	-	-	-
17	-	-	-	-	-
18	-	-	-	-	-
19	4.70	-	3.70	3.70	-
20	4.10	-	3.55	4.00	4.00
21	6.15	-	-	-	5.05
22	-	-	-	-	4.30
23	-	-	5.00	4.70	-
24	-	-	-	-	-
25	5.85	-	-	-	4.65
26	5.65	5.15	-	5.25	-
27	6.10	6.10	-	5.20	-
28	5.10	5.10	6.00	5.90	4.80
29	5.90	5.55	-	5.50	4.45
30	-	5.60	-	-	-
31	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-74	-202	-	9	-7	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	25	-31	-	-	-	-	-	11	-	-	-	-	-
4	18	-	-2	-	4	-	-33	-	-	-	-	50	-	19	-	72
5	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-
13	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-438	-	50	-	-8	200	-	-324	-	-	-	-	-	-	-	-
20	-	-	140	180	71	160	136	112	200	-	-	-	-64	140	180	288
21	-	-	-	-	-	-14	-8	-	38	-	-	-	45	63	-	40
22	-	-	-	-	-	8	-	-3	-	-	1	-	-	33	-	-
23	-44	-	40	34	-38	30	-190	-23	-	160	-	-	-	63	-	-
24	-	-	-	-	-	-	-	35	-	140	-	-	-	-	-	-
25	-	-	-	-	-	-24	-101	-	-24	12	-	-	-	-	-	-
26	-	3	-	7	12	1	-67	-	-6	1	-	-28	-	-	-	-
27	-34	-50	-	-	-	1	5	-	0	-	-84	-	-	-	-2	-
28	10	15	4	4	11	0	8	4	-236	-	5	2	-	3	15	14
29	-	-	-4	-	-	0	14	-	-7	-	-	-18	-	-	16	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	210
4	21	-	66	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	-	-	-	-	-
16	-	-	-	-	-
17	-	-	-	-	-
18	-	-	-	-	-
19	25	-	238	200	-
20	88	-	338	100	117
21	-40	-	-	-	12
22	-	-	-	-	52
23	-	-	10	20	-
24	-	-	-	-	-
25	-26	-	-	-	24
26	-6	6	-	-6	-
27	-8	-34	-	6	-
28	7	10	-25	-39	16
29	-18	-8	-	-3	40
30	-	-4	-	-	-
31	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

74

SO<sub>2</sub> IN AIR ( MICROGRAMS PER M<sup>3</sup>)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	14	3	1	7	4	1	4
2	9	3	1	9	4	1	5
3	13	3	1	3	2	1	5
4	9	1	5	1	1	1	4
5	2	1	3	4	3	1	2
6	2	1	4	11	4	2	10
7	2	1	3	9	2	3	8
8	2	1	3	18	6	1	16
9	3	3	2	9	6	2	15
10	12	4	14	11	8	3	16
11	25	16	17	17	8	1	9
12	8	3	10	2	5	2	9
13	6	3	9	5	7	1	3
14	6	2	7	5	8	1	4
15	6	3	11	5	10	2	4
16	7	3	5	4	8	1	8
17	5	3	4	7	10	1	22
18	7	4	4	3	13	1	5
19	10	4	4	6	9	1	6
20	9	1	4	1	5	1	39
21	1	1	1	1	4	1	5
22	3	1	1	1	4	1	4
23	8	1	1	1	5	1	3
24	24	1	1	2	2	1	3
25	11	4	3	13	3	4	3
26	4	1	1	4	2	2	1
27	4	1	2	4	1	2	3
28	2	1	3	4	1	1	1
29	2	1	2	3	2	1	1
30	2	1	1	4	2	1	2
31	3	1	1	4	4	1	2

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

MAY

74

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M<sup>3</sup>)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	5.1	6.6	4.6	5.7	3.7	2.6	3.6
2	5.7	6.7	8.2	5.4	5.0	2.0	5.0
3	4.0	3.6	3.3	3.4	3.4	1.6	2.7
4	2.0	2.2	1.9	2.1	2.1	1.0	1.4
5	1.6	1.8	0.8	1.9	1.6	1.1	1.4
6	2.5	2.2	1.2	2.4	2.8	1.3	1.4
7	2.9	2.4	1.8	3.2	2.9	1.4	1.6
8	3.0	3.2	2.4	4.4	2.6	1.7	2.5
9	5.9	7.1	4.5	6.5	5.3	1.7	5.8
10	6.2	7.2	15.0	7.9	7.4	4.1	5.7
11	3.9	4.7	3.7	5.0	4.4	3.4	3.5
12	6.9	7.9	2.3	-	5.4	4.0	6.3
13	3.2	4.2	2.9	3.1	3.9	2.6	2.8
14	3.7	3.4	2.3	2.8	3.8	1.3	2.6
15	2.5	3.1	2.7	4.3	3.7	1.9	2.5
16	3.0	3.9	3.2	2.8	3.0	1.8	3.1
17	3.8	5.0	4.8	4.8	3.7	1.5	3.9
18	4.8	0.2	2.8	5.3	4.4	2.6	3.2
19	7.8	2.9	8.4	9.6	6.0	2.6	7.0
20	9.7	2.9	4.0	12.7	10.9	3.3	7.9
21	1.5	5.8	1.4	3.9	1.8	5.0	0.7
22	0.8	0.5	1.1	2.9	0.9	3.2	0.6
23	4.3	2.7	1.9	6.6	4.1	3.1	4.0
24	4.8	2.8	4.2	6.2	4.7	0.8	4.2
25	2.3	1.5	1.3	3.1	2.3	0.4	2.2
26	0.4	0.4	1.6	0.5	0.6	0.3	0.4
27	0.5	0.4	0.6	0.6	0.4	0.2	0.3
28	0.4	0.4	1.3	0.8	0.8	0.3	0.2
29	0.4	0.4	0.5	0.8	0.3	0.5	0.3
30	0.4	0.5	0.2	0.6	0.7	0.3	0.3
31	-	0.8	0.2	1.1	1.0	0.5	0.5





## LONG RANGE TRANSPORT OF AIR POLLUTANTS. FINAL DATA

MAY 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	-	-	-
3	-	-	-
4	0.84	0.47	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	0.06	-	-
20	-	1.04	0.52
21	-	-	0.04
22	-	-	0.18
23	-	0.43	-
24	-	-	-
25	-	-	0.46
26	-	-	-
27	0.15	-	-
28	0.07	0.05	0.19
29	-	-	0.46
30	-	-	-
31	-	-	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	-	-	-
3	-	-	-
4	0.70	0.60	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	6.50	-	-
20	-	1.65	0.40
21	-	-	0.00
22	-	-	0.11
23	-	0.35	-
24	-	-	-
25	-	-	0.04
26	-	-	-
27	0.48	-	-
28	0.07	0.06	0.04
29	-	-	0.07
30	-	-	-
31	-	-	-

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	4.26	-	-
3	-	-	1.11
4	1.38	0.49	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	2.18	0.62	2.01
20	-	0.49	0.24
21	-	-	0.04
22	-	0.45	0.12
23	1.02	0.08	-
24	-	-	-
25	-	-	0.08
26	-	0.73	0.13
27	0.28	-	0.26
28	0.12	0.06	0.08
29	-	-	0.05
30	-	-	0.63
31	-	-	-

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Blank

## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - JUNE 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS			LOCATIONS			
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREDALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNE 74

## AMOUNT OF PRECIPITATION (MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	9.3	0.0	0.0
2	16.2	16.8	12.1	17.3	21.0	25.3	17.6	8.1	12.7	0.0	5.8	0.0	5.3	5.5	7.4	11.9	17.2	0.0	7.5	3.0
3	0.0	0.3	0.0	0.4	0.4	16.4	6.4	0.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	2.9	0.6
4	1.0	4.3	0.0	0.4	0.8	14.5	10.5	0.0	10.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	1.7	1.8
5	9.4	10.5	2.2	2.9	5.5	11.6	8.6	4.3	3.8	1.7	0.6	0.0	18.9	0.5	0.0	0.0	18.5	2.7	2.7	1.8
6	7.4	0.5	15.3	15.2	8.8	20.8	13.4	12.6	5.7	1.0	10.2	11.9	7.6	18.9	6.5	8.9	7.5	11.6	5.1	5.6
7	0.0	2.0	0.0	0.0	0.0	0.1	7.5	0.0	14.6	7.4	6.9	3.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.1
8	0.0	0.0	2.1	0.0	0.0	0.5	7.8	0.0	5.6	0.6	4.8	9.9	0.0	2.0	0.0	0.0	2.2	0.0	0.0	14.4
9	0.0	0.0	4.0	0.0	0.0	3.1	0.4	0.7	-	0.0	2.6	0.0	0.0	9.6	0.0	0.0	2.1	0.4	0.0	0.0
10	1.1	0.0	10.4	2.8	0.0	3.3	1.8	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.3	0.0	12.9	4.6	7.4	0.0
11	2.7	0.0	1.3	0.3	0.2	3.8	3.4	1.5	0.0	1.2	0.0	3.0	0.0	4.6	2.4	0.0	0.0	0.7	2.3	0.7
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
17	1.7	0.0	2.7	2.1	5.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	10.2	5.7	1.1	14.1	6.7	15.6	6.9	5.1	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	2.6	1.9	2.7	0.0
19	0.0	0.0	0.0	0.0	0.2	0.0	0.8	0.0	0.0	0.0	6.2	0.0	0.0	3.7	0.0	1.3	4.2	7.1	0.2	5.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	4.6	1.0	0.0	0.0	1.7	0.0	0.0	0.3	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.3	0.0	2.0	0.0	0.0
22	3.9	14.6	1.5	0.0	1.1	0.0	0.0	0.6	0.0	0.0	5.4	9.6	0.0	0.0	6.0	0.3	0.0	0.0	0.0	0.0
23	0.1	8.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.6	4.8	6.3	10.3	4.9	3.2	0.0	0.0	0.0	0.0	4.5
27	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.7	10.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNE 74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	3.0	-	-	0.1
2	-	16.0	11.8	17.4	20.6	24.9	31.7	11.4	12.1	0.0	5.4	-	-	5.1	-	12.0	17.0	-	-	3.0
3	-	0.5	0.0	0.3	0.5	16.1	6.1	0.0	16.2	0.0	0.0	-	-	0.0	-	0.0	7.0	-	-	0.9
4	-	4.5	0.0	0.5	0.8	15.3	10.6	0.0	10.2	5.5	0.0	-	-	0.0	-	0.0	7.0	-	-	1.5
5	-	10.0	2.1	2.2	5.5	11.6	13.2	4.1	3.9	1.4	0.6	-	-	0.2	-	0.0	18.5	-	-	1.5
6	-	0.5	15.5	15.9	9.0	20.5	15.5	12.6	5.7	1.0	9.0	-	-	16.0	-	8.0	7.9	-	-	5.9
7	-	2.0	0.0	0.0	0.0	0.2	7.1	0.0	14.1	7.8	6.8	-	-	0.0	-	0.0	0.2	-	-	1.3
8	-	0.0	2.4	0.0	0.0	0.8	7.5	0.0	5.5	0.8	8.0	-	-	1.1	-	0.0	3.0	-	-	15.6
9	-	0.0	4.2	0.0	0.0	3.3	0.4	0.4	1.2	0.0	3.0	-	-	9.5	-	0.0	2.6	-	-	0.1
10	-	0.0	10.4	2.6	0.0	3.5	2.0	0.0	0.0	3.6	0.0	-	-	0.0	-	0.0	13.5	-	-	0.0
11	-	0.0	1.4	0.2	0.2	4.0	4.0	1.1	0.0	1.5	0.0	-	-	4.5	-	0.0	0.0	-	-	0.9
12	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
13	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
14	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
15	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	2.2	-	-	0.0
16	-	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	1.3	-	-	0.1
17	-	0.0	2.5	1.9	5.5	0.0	0.1	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
18	-	6.0	1.1	13.6	7.0	15.8	8.0	5.0	0.0	0.0	0.0	-	-	0.6	-	0.0	3.1	-	-	0.0
19	-	0.0	0.0	0.0	0.5	0.0	0.4	0.0	0.0	0.0	6.0	-	-	4.8	-	1.2	5.1	-	-	5.3
20	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	-	-	0.0	-	0.0	0.0	-	-	0.1
21	-	0.6	0.0	0.0	1.5	0.0	0.0	0.1	0.0	0.0	2.9	-	-	0.0	-	0.2	0.0	-	-	0.0
22	-	14.0	0.9	0.0	1.3	0.0	0.0	0.3	0.0	0.0	5.9	-	-	0.0	-	0.2	0.0	-	-	0.0
23	-	8.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.1	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
24	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
25	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	-	-	0.5	-	0.0	0.0	-	-	1.3
26	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.7	5.8	-	-	5.1	-	0.0	0.0	-	-	5.5
27	-	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.7	10.3	1.0	-	-	0.0	-	0.0	0.0	-	-	0.0
28	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
29	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
30	-	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.9	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	1.3

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNE 74

## 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 18	N 19	N 20	N 22	N 23
1	-	-	-	-	0.33	-	-	-	-	-	-	-	-	-	-	-
2	0.03	0.03	0.06	0.19	0.12	0.03	0.06	0.24	0.08	-	0.09	-	0.08	0.06	0.40	0.89
3	-	0.57	-	1.78	-	0.24	0.62	-	0.13	-	-	-	-	-	-	-
4	0.41	0.23	-	4.20	0.60	0.16	0.90	-	0.04	0.03	-	-	-	-	-	-
5	0.04	-	0.22	0.86	0.15	0.10	0.22	0.12	0.04	0.04	0.07	-	0.05	0.06	-	-
6	0.05	0.03	0.03	0.27	0.10	0.01	0.12	0.03	0.01	0.06	0.05	0.17	0.14	0.02	1.07	1.39
7	-	0.20	-	-	-	-	0.17	-	0.06	0.01	0.03	0.05	-	-	-	-
8	-	-	0.04	-	-	0.06	0.10	-	0.05	0.06	0.05	0.01	-	0.04	-	-
9	-	-	0.04	-	-	0.04	0.42	0.12	-	0.01	-	-	-	0.02	-	-
10	0.13	-	0.04	0.22	-	0.03	0.11	-	-	0.03	-	-	-	-	2.76	-
11	0.04	-	0.05	0.18	0.10	0.03	0.08	0.14	-	0.06	-	0.05	-	0.02	1.81	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	0.10	-	-	-	-	-	-	-	-	-	-
17	0.22	-	0.14	0.23	0.14	-	0.72	-	-	-	-	-	-	-	-	-
18	0.09	0.11	0.19	0.08	0.08	0.02	0.09	0.09	-	-	-	-	-	0.16	0.98	-
19	-	-	-	-	-	-	0.78	-	-	-	0.17	-	-	0.04	-	4.29
20	-	-	-	-	-	-	-	-	-	-	0.08	0.14	0.09	-	-	-
21	0.07	0.17	-	-	0.06	-	-	0.41	-	-	0.05	-	-	-	-	6.15
22	0.04	0.02	0.14	-	0.04	-	-	0.07	-	-	0.03	0.02	-	-	0.25	5.55
23	-	0.01	-	-	-	-	-	0.06	-	0.35	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	0.01	-	-	-	0.20	-	-
26	-	-	-	-	-	-	-	-	-	0.01	0.22	0.05	0.04	0.07	0.08	0.12
27	-	-	0.26	-	-	-	-	-	-	0.06	0.01	0.06	-	-	-	-
28	-	-	-	-	-	-	-	-	-	0.01	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	0.40	-	-	0.28	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNE 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	0.18	-	0.11	-	-
2	0.14	-	-	0.03	0.01
3	0.60	0.38	-	0.15	0.09
4	0.69	0.08	-	0.04	0.03
5	0.05	-	0.25	0.07	0.01
6	0.10	0.03	0.02	0.01	0.01
7	0.24	0.02	-	-	0.02
8	0.22	-	-	-	0.01
9	0.08	-	0.10	-	-
10	0.13	-	0.03	0.02	-
11	-	-	0.05	0.02	0.03
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	0.28	-	-	-	-
16	0.12	-	-	-	-
17	-	-	-	-	-
18	0.12	-	0.11	0.10	-
19	0.42	-	0.03	-	0.03
20	-	-	-	-	-
21	-	-	0.07	-	-
22	-	-	-	-	-
23	-	-	-	-	-
24	-	0.48	-	-	-
25	-	-	-	-	0.03
26	-	0.16	-	-	0.01
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	0.10

## LONG RANGE TRANSPORT OF AIR POLLUTANTS. FINAL DATA

JUNE 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3.7	3.4	4.1	6.1	6.8	3.5	2.7	4.3	1.9	-	2.1	-	4.6	4.4	4.4	5.2
3	-	2.3	-	4.2	-	1.0	1.7	-	0.9	-	-	-	-	-	-	-
4	2.9	6.3	-	2.3	1.0	0.6	1.4	-	1.1	0.4	-	-	-	-	-	-
5	2.3	-	9.3	9.5	6.6	7.1	9.7	7.2	1.7	0.8	2.3	-	3.8	2.9	-	-
6	2.9	3.1	3.1	1.5	2.8	1.0	1.8	2.0	2.8	4.4	4.8	4.3	0.6	2.2	6.2	4.5
7	-	2.0	-	-	-	-	1.6	-	1.2	1.8	1.0	2.1	-	-	-	-
8	-	-	1.6	-	-	0.5	1.3	-	0.9	1.5	0.9	0.6	-	0.4	-	-
9	-	-	0.7	-	-	1.0	2.1	1.5	-	-	1.2	-	-	0.3	-	-
10	3.3	-	1.1	0.7	-	1.0	1.3	-	-	1.7	-	-	-	-	7.6	-
11	0.7	-	1.4	2.3	0.1	1.4	1.0	1.2	-	1.8	-	2.0	-	0.1	0.9	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	5.8	-	-	-	-	-	-	-	-	-	-
17	8.2	-	5.1	7.0	2.9	-	15.6	-	-	-	-	-	-	-	-	-
18	4.8	5.6	5.3	5.4	5.7	2.4	3.1	3.9	-	-	-	-	-	10.8	9.1	-
19	-	-	-	-	-	-	3.6	-	-	-	4.9	-	-	3.2	-	10.0
20	-	-	-	-	-	-	-	-	-	-	2.8	6.0	4.6	-	-	-
21	3.5	3.2	-	-	1.7	-	-	4.2	-	-	1.7	-	-	-	-	34.0
22	3.8	0.6	4.1	-	2.5	-	-	4.1	-	-	0.5	1.3	-	-	5.6	14.7
23	-	0.3	-	-	-	-	-	0.8	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	0.1	-	-	-	-	3.9	-	-
26	-	-	-	-	-	-	-	-	0.1	1.8	0.0	1.7	0.0	0.3	2.9	-
27	-	-	5.2	-	-	-	-	-	0.8	1.3	0.0	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	0.7	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	10.0	-	-	0.8	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS. FINAL DATA

JUNE 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	12.2	-	4.6	-	-
2	2.0	-	-	3.1	1.5
3	0.0	4.3	-	1.0	0.3
4	0.2	1.3	-	0.7	0.1
5	3.6	-	6.1	5.1	0.3
6	0.5	0.8	2.7	2.2	0.6
7	0.0	0.9	-	-	0.7
8	1.0	-	-	-	0.1
9	0.7	-	-	-	-
10	0.6	-	1.0	0.9	-
11	-	-	0.9	1.2	1.6
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	5.6	-	-	-	-
16	6.0	-	-	-	-
17	-	-	-	-	-
18	4.4	-	4.9	4.0	-
19	0.6	-	3.4	-	2.2
20	-	-	-	-	-
21	-	-	3.2	-	-
22	-	-	-	-	-
23	-	-	-	-	-
24	-	0.2	-	-	-
25	-	-	-	-	0.1
26	-	1.5	-	-	3.0
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	4.1

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNF

74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	4.25	4.35	4.30	4.00	4.00	4.25	4.50	4.70	4.80	-	5.35	-	4.15	4.40	4.20	4.20
3	-	-	-	4.90	-	4.85	5.60	-	5.00	-	-	-	-	-	-	-
4	4.95	3.85	-	5.00	5.00	5.30	5.80	-	5.30	5.70	-	-	-	-	-	-
5	4.30	-	3.80	3.70	3.95	3.85	3.80	3.85	5.55	6.00	5.40	-	4.50	4.85	-	-
6	4.25	4.45	4.30	4.60	4.30	4.80	4.65	4.70	4.55	4.55	4.30	4.25	6.00	4.45	4.10	4.10
7	-	4.85	-	-	-	-	4.80	-	5.60	4.60	5.70	5.25	-	-	-	-
8	-	-	4.90	-	-	5.90	5.50	-	6.30	5.40	6.05	5.35	-	5.35	-	-
9	-	-	4.65	-	-	5.10	6.10	4.75	-	-	6.40	-	-	5.80	-	-
10	4.70	-	4.60	4.55	-	4.80	6.00	-	-	5.60	-	-	-	-	4.55	-
11	4.65	-	4.70	-	-	5.90	4.55	6.10	-	5.70	-	5.40	-	5.90	5.10	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	4.20	-	-	-	-	-	-	-	-	-	-
17	4.45	-	6.00	4.30	4.50	-	-	-	-	-	-	-	-	-	-	-
18	4.30	4.20	4.35	4.45	4.30	4.45	4.55	5.70	-	-	-	-	-	4.30	5.40	-
19	-	-	-	-	-	-	6.50	-	-	-	5.75	-	-	4.40	-	4.85
20	-	-	-	-	-	-	-	-	-	-	5.10	6.55	4.60	-	-	-
21	4.65	6.25	-	-	4.80	-	-	6.70	-	-	5.05	-	-	-	-	-
22	4.35	4.65	6.50	-	4.30	-	-	4.40	-	-	4.85	4.75	-	-	4.40	-
23	-	4.70	-	-	-	-	-	4.80	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	4.90	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	5.70	-	-	-	-	7.20	-	-
26	-	-	-	-	-	-	-	-	6.00	5.40	5.65	4.85	5.80	6.45	4.35	-
27	-	-	6.60	-	-	-	-	-	5.10	4.60	5.65	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	4.90	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	4.20	-	-	6.80	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNF

74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	3.75	-	4.70	-	-
2	4.45	-	-	4.30	4.40
3	6.30	5.70	-	4.85	4.45
4	5.35	5.60	-	5.05	4.80
5	4.15	-	4.45	3.90	4.35
6	5.45	6.00	4.20	4.25	4.35
7	-	4.90	-	-	4.85
8	5.00	-	-	-	5.30
9	5.35	-	-	-	-
10	4.90	-	4.55	4.60	-
11	-	-	4.60	4.60	4.50
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	4.80	-	-	-	-
16	4.60	-	-	-	-
17	-	-	-	-	-
18	4.60	-	5.00	4.40	-
19	4.90	-	4.35	-	4.50
20	-	-	-	-	-
21	-	-	4.60	-	-
22	-	-	-	-	-
23	-	-	-	-	-
24	-	6.00	-	-	-
25	-	-	-	-	5.00
26	-	6.35	-	-	4.80
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	4.20



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNE

74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	61	49	50	100	100	56	37	50	20	-	-6	-	71	40	65	67
3	-	-	-	13	-	17	-46	-	9	-	-	-	-	-	-	-
4	16	157	-	10	9	-4	-20	-	4	-13	-	-	-	-	-	-
5	58	-	160	200	112	140	207	140	-5	-38	2	-	47	14	-	-
6	63	40	50	25	50	15	29	50	29	40	50	56	-51	35	82	91
7	-	20	-	-	-	-	18	-	-6	31	-13	5	-	-	-	-
8	-	-	12	-	-	-	-16	-	-39	2	-21	2	-	0	-	-
9	-	-	24	-	-	7	-	9	-	-	-72	-	-	-25	-	-
10	10	-	29	24	-	12	-32	-	-	-27	-	-	-	-	28	-
11	26	-	22	-	-	-29	28	-44	-	24	-	1	-	-21	8	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	63	-	-	-	-	-	-	-	-	-	-
17	45	-	-48	50	29	-	-	-	-	-	-	-	-	-	-	-
18	55	69	45	35	50	35	38	-7	-	-	-	-	-	50	2	-
19	-	-	-	-	-	-	-120	-	-	-	-30	-	-	40	-	24
20	-	-	-	-	-	-	-	-	-	0	-48	26	-	-	-	-
21	20	-81	-	-	14	-	-	-	-	2	-	-	-	-	-	-
22	49	28	-52	-	50	-	-	40	-	-	14	14	-	-	48	-
23	-	18	-	-	-	-	-	17	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-8	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-13	2	-11	15	-43	-	52	-
27	-	-	-	-	-	-	-	-	-	26	-2	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	63	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNE

74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	216	-	25	-	-
2	37	-	-	50	41
3	-51	-14	-	14	44
4	1	0	-	6	16
5	78	-	48	125	48
6	0	-26	61	56	47
7	-	16	-	-	8
8	8	-	-	-	4
9	-2	-	-	-	-
10	8	-	26	23	-
11	-	-	25	28	32
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	18	-	-	-	-
16	24	-	-	-	-
17	-	-	-	-	-
18	26	-	18	40	-
19	9	-	42	-	34
20	-	-	-	-	-
21	-	-	29	-	-
22	-	-	-	-	-
23	-	-	-	-	-
24	-	-56	-	-	-
25	-	-	-	-	8
26	-	-158	-	-	16
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	48

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNE

74

SO<sub>2</sub> IN AIR ( MICROGRAMS PER M<sup>3</sup>)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	18	7	6	4	5	1	4
2	4	1	3	1	3	1	2
3	1	1	2	5	4	-	4
4	4	1	1	3	2	3	3
5	4	8	3	3	6	3	5
6	4	4	2	4	8	2	6
7	2	2	2	3	8	2	3
8	13	3	1	7	5	1	3
9	4	2	1	5	21	4	3
10	16	2	2	4	9	2	3
11	20	2	1	3	14	2	4
12	10	2	1	24	5	2	2
13	6	3	2	4	5	2	4
14	8	3	1	7	16	2	-
15	28	10	3	24	13	2	-
16	33	12	2	13	8	3	-
17	27	17	2	8	4	1	80
18	18	11	3	5	6	3	2
19	10	6	1	2	6	1	13
20	14	6	16	6	9	1	1
21	15	5	4	5	1	1	2
22	23	35	6	16	1	1	24
23	14	15	3	12	3	1	7
24	16	5	1	1	4	2	4
25	12	13	2	1	2	2	2
26	7	10	2	6	9	5	2
27	2	9	1	2	8	2	6
28	16	8	2	1	16	4	2
29	30	7	2	1	13	3	5
30	4	0	2	7	4	2	3

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNE

74

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M<sup>3</sup>)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	2.0	3.2	2.6	2.3	2.7	1.4	2.7
2	1.9	1.5	2.2	4.7	4.0	0.5	1.5
3	0.6	0.7	1.2	0.9	1.0	0.1	0.5
4	0.6	0.7	1.2	3.7	0.6	0.2	0.2
5	1.4	4.1	4.2	0.0	2.4	0.4	2.3
6	2.9	1.1	0.3	3.4	3.1	0.8	0.8
7	0.5	0.6	0.8	1.2	0.3	0.2	0.4
8	0.5	0.5	0.5	1.4	0.8	0.2	0.4
9	0.5	0.4	1.2	1.3	1.1	0.4	0.4
10	0.9	0.6	2.0	1.0	1.0	0.7	0.6
11	0.8	0.2	0.1	1.3	1.0	1.0	1.1
12	1.7	1.7	0.9	4.3	1.8	1.7	2.0
13	1.7	1.5	1.8	1.7	0.2	1.3	1.5
14	1.9	1.4	1.2	4.5	0.7	1.2	1.9
15	4.0	2.6	1.8	4.9	0.3	2.3	3.2
16	3.9	4.0	4.5	3.2	0.4	1.8	2.3
17	1.5	3.5	0.4	1.5	0.1	0.6	1.9
18	2.8	3.2	2.6	2.8	2.1	1.0	2.1
19	1.2	1.1	1.0	4.0	0.1	1.1	2.5
20	2.0	1.1	1.5	3.0	1.4	0.9	1.0
21	1.8	2.0	0.7	2.1	1.6	1.2	1.1
22	1.3	1.8	1.2	2.0	1.5	1.0	1.3
23	1.6	2.9	2.6	1.5	1.8	0.4	1.3
24	1.6	0.4	1.5	1.5	1.5	0.7	1.1
25	1.0	1.4	1.1	2.3	2.2	0.2	0.8
26	0.4	0.1	1.4	0.6	0.7	0.3	0.2
27	0.6	0.5	0.6	0.7	0.6	0.4	0.3
28	0.9	0.7	0.2	1.2	1.1	0.5	0.5
29	1.2	3.0	1.5	1.3	1.2	0.9	1.0
30	2.7	0.3	0.9	3.0	2.6	0.6	1.7



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JUNF 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	0.39	-
2	0.34	-	0.16
3	-	-	0.16
4	0.23	-	0.06
5	0.75	1.05	0.31
6	0.43	0.36	0.29
7	-	-	0.04
8	-	-	0.04
9	-	-	-
10	-	0.10	-
11	0.15	-	0.27
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	0.01	-	-
18	0.45	0.31	-
19	-	0.11	0.15
20	-	-	-
21	0.25	0.19	-
22	0.20	-	-
23	-	-	-
24	-	-	-
25	-	-	0.40
26	-	-	0.03
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	0.08	-
2	0.45	-	0.04
3	-	-	0.09
4	0.39	-	0.02
5	0.75	1.20	0.07
6	0.35	0.31	0.02
7	-	-	0.00
8	-	-	0.01
9	-	-	-
10	-	0.03	-
11	0.05	-	0.08
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	1.55	-	-
18	0.78	1.40	-
19	-	0.31	0.23
20	-	-	-
21	0.62	0.45	-
22	0.21	-	-
23	-	-	-
24	-	-	-
25	-	-	0.04
26	-	-	0.03
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 26	N 28
1	-	0.39	-
2	0.08	-	0.05
3	-	-	0.07
4	0.36	-	0.04
5	0.11	0.92	0.05
6	0.05	0.04	0.03
7	-	-	0.03
8	-	-	0.03
9	-	0.19	-
10	0.24	0.04	-
11	0.07	0.09	0.04
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	1.17	-	-
18	0.67	0.64	-
19	-	0.09	0.25
20	-	-	-
21	0.38	0.32	-
22	0.20	-	-
23	-	-	-
24	-	-	-
25	-	-	0.06
26	-	-	0.03
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	0.20

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## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

MONTHLY SUMMARY OF RESULTS - JULY 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS		
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREADALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEDALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY 74

## AMOUNT OF PRECIPITATION(MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	8.3	3.8	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.9	0.0	12.5	7.6	0.0	0.0	10.6	0.0	0.0	0.9	0.0	0.0	0.0
3	0.0	0.0	2.7	0.0	0.0	2.2	10.3	7.0	4.6	0.7	2.1	7.4	20.1	15.3	6.0	0.0	6.2	14.1	10.9	16.6
4	0.3	0.5	1.4	0.0	0.0	0.0	6.4	2.0	7.6	0.0	3.1	9.9	8.3	3.8	1.6	2.4	7.8	0.0	3.3	1.3
5	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.3	0.0	1.0	0.0	5.4	0.0	6.2	0.0	12.7	0.0	0.0	7.6	3.7
6	7.0	2.6	4.8	0.0	0.6	1.8	21.8	3.2	2.2	0.1	0.0	0.0	0.0	4.6	0.8	0.3	0.0	1.8	4.3	0.0
7	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	1.2	0.0	2.0	0.9	1.5	10.1	0.0	0.0	5.0	3.1	0.0	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0
10	0.0	0.0	0.0	0.7	0.5	0.0	2.0	0.0	0.6	2.7	1.0	0.0	0.0	6.7	0.0	6.0	0.0	0.0	0.0	0.0
11	0.0	1.5	12.4	3.8	0.7	5.0	10.1	0.0	8.6	11.5	0.0	0.0	8.1	0.0	1.1	0.0	1.1	0.0	0.0	9.5
12	0.0	0.0	0.9	1.3	0.6	2.9	3.4	0.0	1.1	8.0	23.7	1.6	0.0	3.2	0.8	0.0	0.0	1.1	0.0	5.4
13	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	2.0	3.4	7.8	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0
14	2.4	0.0	0.3	0.0	0.0	1.7	4.8	0.2	1.1	9.5	12.7	0.6	0.0	2.7	0.0	0.0	7.6	1.0	0.0	3.5
15	19.7	15.9	4.9	9.0	14.6	15.9	15.9	12.0	1.3	2.4	2.7	0.4	0.0	0.4	1.8	16.1	4.8	7.5	2.0	0.0
16	20.5	14.0	30.6	4.1	2.4	26.5	42.9	14.3	4.8	1.3	8.4	17.8	38.3	28.1	17.3	20.1	30.6	23.9	15.3	10.5
17	0.0	0.0	7.2	1.1	0.0	0.4	4.3	0.0	11.0	9.7	10.9	0.7	9.4	0.0	0.0	2.1	0.6	0.4	0.8	5.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.5	0.0	0.1	2.4	0.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.9	1.1
20	0.0	0.0	0.0	0.0	0.0	3.6	3.4	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.0	0.2	1.1
21	0.0	1.6	0.0	1.0	1.2	19.4	27.1	0.6	21.1	6.9	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	3.5
22	8.5	14.3	5.2	11.2	14.3	29.6	33.8	6.7	26.7	7.6	4.6	7.0	0.0	0.5	2.4	2.2	20.0	4.0	3.8	3.8
23	0.0	0.4	0.0	0.4	0.8	8.7	9.9	0.0	12.7	15.9	3.2	0.0	0.0	0.0	0.0	0.0	14.1	0.0	10.2	0.3
24	6.1	3.8	1.3	0.5	0.4	1.6	6.0	2.3	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.7	0.0	2.4
25	1.7	11.5	0.8	0.0	2.2	0.0	0.0	1.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.2	6.4
26	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	4.8	8.4	0.6	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	1.6	0.5	0.0	0.3	0.0	16.9	8.3	0.0	1.3	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.8
28	0.0	0.8	0.0	2.7	3.5	13.4	14.3	0.0	33.2	10.4	1.2	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.1	9.5
29	0.2	2.2	0.0	2.8	3.5	11.5	14.2	0.0	7.4	1.0	2.4	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.3	0.2
30	0.0	0.0	0.0	1.8	0.0	1.3	14.6	0.0	7.1	3.7	0.3	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.5
31	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.3

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY 74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.8	4.0	1.5	-	-	0.0	-	0.0	0.0	-	-	0.0
2	-	0.0	0.0	0.0	0.0	8.8	2.4	0.0	12.6	7.9	0.0	-	-	9.8	-	0.0	0.7	-	-	0.0
3	-	0.0	2.5	0.0	0.0	2.4	10.0	6.6	4.6	1.0	2.4	-	-	14.8	-	0.0	7.5	-	-	17.5
4	-	0.3	1.4	0.0	0.0	0.0	6.5	2.4	7.6	0.0	3.1	-	-	3.5	-	1.6	8.5	-	-	1.4
5	-	0.0	2.2	0.0	0.0	0.0	0.0	0.1	0.0	1.4	0.0	-	-	5.4	-	13.0	0.0	-	-	3.7
6	-	2.5	4.7	0.0	0.5	2.0	17.7	4.1	2.5	0.1	0.0	-	-	4.3	-	0.3	0.0	-	-	0.0
7	-	0.0	4.8	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
8	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
9	-	1.3	0.0	1.8	1.0	1.4	9.1	0.0	0.0	5.3	3.2	-	-	0.0	-	0.0	14.7	-	-	0.0
10	-	0.0	0.0	0.6	0.6	0.0	2.5	0.0	0.7	2.7	1.0	-	-	6.3	-	2.7	0.0	-	-	0.0
11	-	1.5	12.2	3.9	1.3	4.7	11.0	0.0	8.9	11.7	0.0	-	-	0.0	-	0.0	1.6	-	-	10.6
12	-	0.0	0.7	1.5	1.0	3.2	4.2	0.0	1.2	8.3	22.3	-	-	3.2	-	0.0	0.0	-	-	5.5
13	-	0.0	0.0	0.0	0.0	0.0	1.8	0.0	2.2	4.3	9.0	-	-	0.0	-	0.0	0.0	-	-	0.8
14	-	0.0	0.2	0.0	0.0	1.6	5.2	0.0	1.2	9.5	13.4	-	-	2.9	-	0.0	7.8	-	-	3.7
15	-	15.5	4.8	9.1	14.8	15.5	15.5	11.8	1.6	3.0	3.0	-	-	0.5	-	11.5	5.0	-	-	0.2
16	-	14.0	30.3	4.6	2.9	27.1	53.0	14.1	5.1	1.5	9.1	-	-	26.0	-	24.9	32.0	-	-	10.7
17	-	0.0	7.2	1.2	0.0	0.7	4.0	0.0	11.1	10.1	12.0	-	-	0.0	-	2.1	1.1	-	-	5.5
18	-	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.5	2.8	1.0	-	-	0.0	-	0.0	0.0	-	-	0.0
19	-	0.0	0.0	0.2	0.2	0.1	3.1	0.1	4.7	0.0	0.0	-	-	0.0	-	0.0	8.1	-	-	1.5
20	-	0.0	0.0	0.0	0.0	3.5	3.5	0.0	13.6	0.0	0.0	-	-	0.0	-	0.0	13.6	-	-	1.3
21	-	1.5	0.0	1.2	1.4	18.5	31.0	0.3	21.9	7.5	0.0	-	-	0.0	-	0.0	20.5	-	-	4.1
22	-	14.6	5.5	11.1	14.5	29.9	45.5	6.7	27.1	8.3	3.9	-	-	0.9	-	2.0	21.1	-	-	4.1
23	-	0.6	0.0	0.3	1.3	9.0	10.2	0.0	12.7	16.2	3.0	-	-	0.0	-	0.0	14.0	-	-	0.3
24	-	4.0	1.3	0.7	0.6	2.1	5.3	2.1	1.2	1.2	0.0	-	-	0.0	-	0.0	2.2	-	-	2.6
25	-	10.3	0.7	0.0	2.5	0.0	0.0	0.5	0.1	0.1	0.0	-	-	0.0	-	0.0	0.0	-	-	6.2
26	-	0.0	2.0	0.0	0.0	0.0	0.0	0.0	5.2	8.9	0.5	-	-	0.0	-	0.0	0.0	-	-	0.0
27	-	0.0	0.0	0.7	0.8	0.0	0.1	0.0	17.4	8.7	0.0	-	-	0.0	-	0.0	0.0	-	-	0.9
28	-	0.6	0.0	4.3	4.0	12.5	14.2	0.0	34.5	10.0	1.3	-	-	0.0	-	0.0	5.8	-	-	10.3
29	-	2.5	0.0	3.5	4.0	12.1	14.2	0.0	8.2	1.1	2.6	-	-	0.0	-	0.0	6.0	-	-	0.2
30	-	0.0	0.0	1.9	0.0	1.9	14.0	0.0	7.5	4.1	0.3	-	-	0.0	-	0.0	15.5	-	-	0.6
31	-	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	3.5	-	-	0.3

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY 74

## 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 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	-	-	-	-	0.18	-	-	0.04	0.03	0.12	0.76	-	-	-	-	-	-	-	-
2	-	-	-	-	-	0.03	0.71	-	0.03	0.01	-	-	-	0.03	-	-	0.39	-	-	-
3	-	-	0.07	-	-	0.02	0.13	0.10	0.01	0.02	0.05	0.01	0.03	0.01	0.22	-	0.26	0.04	0.09	0.01
4	-	0.15	0.03	-	-	-	0.14	0.03	0.01	-	0.02	0.02	0.03	0.02	0.32	4.35	0.15	-	0.02	0.01
5	-	-	0.06	-	-	-	-	0.06	-	0.07	-	0.01	-	0.02	-	0.26	-	-	0.02	0.01
6	0.02	0.03	0.02	-	0.07	0.07	0.03	0.03	0.04	0.09	-	-	-	0.02	0.14	4.16	-	0.03	0.02	-
7	-	-	0.03	-	-	-	-	0.06	-	-	-	-	-	-	-	-	-	0.18	-	-
8	-	-	-	-	-	-	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-
9	-	0.04	-	0.43	0.05	0.03	0.15	-	0.21	0.06	-	-	-	-	-	-	0.11	-	-	-
10	-	-	-	1.50	0.10	-	0.29	-	0.09	0.03	0.12	-	-	0.02	-	0.59	-	-	-	-
11	-	0.08	0.03	0.94	0.35	0.09	0.26	-	0.03	0.03	-	-	0.05	-	0.46	-	0.12	-	-	0.01
12	-	-	0.04	1.15	0.65	0.03	0.16	-	-	0.04	0.02	0.27	-	0.02	0.92	-	-	0.27	-	0.01
13	-	-	-	-	-	-	0.12	-	0.03	0.03	0.04	-	-	-	0.44	-	-	-	-	-
14	-	-	0.08	-	-	0.05	0.06	0.12	0.60	0.02	0.02	0.16	-	0.02	-	-	0.06	0.27	-	0.01
15	0.04	0.03	0.03	0.19	0.12	0.01	0.03	0.02	0.05	0.08	0.03	0.14	-	0.02	1.66	1.37	0.03	0.01	0.03	-
16	0.05	0.10	0.03	0.30	0.34	0.02	0.05	0.03	0.02	0.07	0.01	0.02	0.01	0.01	0.19	0.54	0.04	0.01	0.03	0.01
17	-	-	0.01	0.31	-	0.04	0.35	-	0.02	0.02	0.03	0.24	0.02	-	-	1.03	0.26	-	0.02	0.01
18	-	-	-	-	-	-	0.26	-	-	0.04	6.15	-	-	-	-	-	-	-	-	-
19	-	-	-	0.70	-	0.16	0.16	0.08	0.04	-	-	-	-	-	-	-	-	0.08	-	0.02
20	-	-	-	-	-	0.59	0.79	-	0.16	-	-	-	-	-	-	-	0.34	-	0.15	0.08
21	-	0.27	-	3.12	1.21	0.08	0.12	0.27	0.03	0.37	-	-	-	-	-	-	0.22	-	-	0.02
22	0.13	0.07	0.10	1.02	0.30	0.01	0.09	0.02	0.01	0.03	0.07	0.13	-	0.04	2.85	6.20	0.17	0.03	0.03	0.01
23	-	0.17	-	4.80	0.58	0.16	0.24	-	0.02	0.01	0.03	-	-	-	-	-	0.17	-	0.01	-
24	0.13	0.10	0.11	0.44	0.38	0.11	0.08	0.10	0.03	0.20	-	-	-	-	-	-	0.19	0.05	-	0.01
25	0.09	0.01	0.03	-	0.06	-	-	0.05	-	0.36	-	-	-	-	-	-	-	-	0.05	0.01
26	-	-	0.03	-	-	-	-	-	0.10	0.03	0.19	-	-	-	0.95	-	-	-	0.03	-
27	-	-	-	0.58	0.20	-	0.24	-	0.01	0.14	-	1.11	-	-	0.47	-	-	-	-	0.01
28	-	0.08	-	1.56	0.30	0.32	0.17	-	0.01	0.01	0.07	-	-	-	-	-	0.26	-	0.05	0.01
29	-	-	-	1.64	0.39	0.16	0.29	-	0.03	0.04	-	-	-	-	-	-	0.18	-	0.10	-
30	-	-	-	1.35	-	0.16	0.23	-	0.03	0.02	0.33	-	-	-	-	-	0.23	-	-	0.01
31	-	-	-	-	-	-	0.31	-	-	-	-	-	-	-	-	-	0.17	-	-	0.01

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	-	-	-	-	8.2	-	-	1.0	0.2	2.3	11.6	-	-	-	-	-	-	-	-
2	-	-	-	-	-	1.6	6.0	-	0.5	0.1	-	-	-	2.3	-	-	5.5	-	-	-
3	-	-	2.7	-	-	0.4	1.4	2.5	0.1	0.3	1.5	0.7	2.2	0.6	2.4	-	0.8	2.2	1.3	0.6
4	-	0.0	1.1	-	-	-	1.2	0.5	0.6	-	0.6	2.1	2.6	0.1	2.2	6.2	0.4	-	0.3	0.4
5	-	-	1.4	-	-	-	-	0.8	-	0.9	-	0.7	-	1.6	-	1.6	-	-	0.7	1.9
6	0.7	0.7	0.6	-	1.4	5.9	1.0	0.8	0.8	-	-	-	-	0.6	5.1	7.5	-	1.0	0.6	-
7	-	-	0.7	-	-	-	-	0.8	-	-	-	-	-	-	-	-	-	0.8	-	-
8	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-
9	-	0.2	-	3.0	0.9	0.2	2.1	-	-	0.6	1.1	-	-	-	-	-	0.8	-	-	-
10	-	-	-	1.4	0.5	-	1.9	-	0.6	0.7	1.5	-	-	0.7	-	1.8	-	-	-	-
11	-	0.1	1.1	2.1	3.0	0.1	1.6	-	0.4	1.0	-	-	2.7	-	2.0	-	1.1	-	-	0.4
12	-	-	0.1	0.5	0.0	0.1	0.7	-	-	0.4	0.3	3.8	-	0.7	0.9	-	-	4.4	-	0.3
13	-	-	-	-	-	-	1.8	-	0.7	1.3	1.0	-	-	-	0.6	-	-	-	-	-
14	0.9	-	0.4	-	-	0.6	0.5	0.9	1.6	0.9	0.4	2.4	-	0.7	-	-	0.6	5.3	-	0.1
15	1.4	1.3	1.4	1.6	2.0	0.4	0.7	0.3	1.5	0.1	0.1	4.1	-	0.6	3.6	1.6	0.2	1.5	0.7	-
16	2.0	3.5	1.9	2.1	5.4	1.8	3.2	1.1	1.0	0.2	1.5	2.5	2.1	1.0	2.2	2.5	1.1	1.2	1.0	0.1
17	-	-	2.1	5.8	-	2.0	1.7	-	0.4	1.5	1.7	5.0	1.6	-	-	3.9	0.1	1.9	2.2	0.4
18	-	-	-	-	-	-	1.9	-	-	0.2	0.0	-	-	-	-	-	-	-	-	-
19	-	-	-	3.6	-	1.5	2.7	0.0	0.4	-	-	-	-	-	-	-	1.3	-	0.4	0.1
20	-	-	-	-	-	1.5	0.9	-	0.4	-	-	-	-	-	-	-	0.3	-	0.3	0.1
21	-	3.0	-	6.4	6.5	0.9	1.1	2.9	0.4	0.3	-	-	-	-	-	-	0.7	-	-	0.3
22	4.2	2.7	2.9	4.9	6.3	0.4	0.7	1.5	0.3	0.1	0.3	2.9	-	1.3	8.5	8.4	0.4	1.7	0.2	0.1
23	-	1.0	-	2.0	1.5	4.2	0.8	-	0.4	0.1	0.8	-	-	-	-	-	0.4	-	0.3	-
24	2.0	1.4	1.1	1.2	2.4	4.0	0.4	1.6	0.4	0.9	-	-	-	-	-	-	0.7	7.4	-	0.4
25	1.9	0.3	0.5	-	0.3	-	-	1.5	-	1.0	-	-	-	-	-	-	-	-	0.9	0.9
26	-	-	0.5	-	-	-	-	-	1.0	0.8	1.0	-	-	-	1.5	-	-	-	0.2	-
27	-	-	-	2.7	2.0	-	0.1	-	0.7	0.6	-	1.4	-	-	2.3	-	-	-	-	0.1
28	-	0.1	-	0.3	0.4	0.0	0.1	-	0.1	0.1	0.5	-	-	-	-	-	0.7	-	0.3	0.1
29	-	0.6	-	0.0	0.2	0.0	0.0	-	0.4	0.2	0.1	-	-	-	-	-	0.5	-	-	-
30	-	-	-	0.5	-	0.7	0.0	-	0.4	0.3	1.6	-	-	-	-	-	0.0	-	-	0.6
31	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	2.0	-	-	0.1



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY

74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	-	-	-	-	4.05	-	-	4.60	4.90	5.80	7.30	-	-	-	-	-	-	-	-
2	-	-	-	-	-	4.50	4.65	-	4.75	5.00	-	-	-	4.50	-	-	4.45	-	-	-
3	-	-	4.60	-	-	5.25	4.70	4.35	5.50	4.90	4.65	4.80	5.10	4.40	-	4.80	4.45	5.60	4.95	-
4	-	6.70	5.45	-	-	-	5.20	5.65	6.10	-	5.70	4.45	4.45	4.55	5.50	5.10	5.10	-	5.05	4.80
5	-	-	4.70	-	-	-	-	-	-	6.10	-	4.75	-	5.35	-	4.90	-	-	4.60	4.45
6	4.90	4.70	5.15	-	4.80	5.80	4.70	4.80	4.80	-	-	-	-	6.05	4.40	-	-	4.60	4.80	-
7	-	-	4.65	-	-	-	-	5.05	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	6.10	-	-	-	-	-	-	-	-	-	-
9	-	4.70	-	4.20	4.85	4.90	5.00	-	-	5.60	5.60	-	-	-	-	-	4.95	-	-	-
10	-	-	-	5.00	4.60	-	5.10	-	4.95	5.35	6.70	-	-	5.30	-	4.75	-	-	-	-
11	-	5.05	4.50	4.50	4.40	5.15	4.60	-	4.85	4.65	-	-	4.55	-	4.50	-	5.30	-	-	4.90
12	-	-	6.25	5.10	4.85	5.50	4.75	-	-	5.00	5.50	5.95	-	5.90	4.90	-	-	5.75	-	4.70
13	-	-	-	-	-	-	5.95	-	6.05	4.90	6.25	-	-	-	5.05	-	-	-	-	-
14	4.80	-	6.35	-	-	5.90	4.85	-	6.60	4.75	6.10	4.40	-	6.05	-	-	4.85	5.00	-	4.80
15	4.50	4.60	4.70	4.65	4.45	4.85	4.95	4.85	5.65	6.00	6.85	6.10	-	6.90	4.20	4.45	5.10	4.50	6.10	-
16	4.25	4.10	4.50	4.40	4.10	4.40	4.05	4.55	5.70	4.95	5.20	4.30	4.40	4.80	4.40	4.25	4.50	4.50	4.60	4.90
17	-	-	4.45	3.85	-	4.40	4.90	-	5.80	4.60	4.80	4.05	4.60	-	-	5.70	5.00	4.10	4.40	4.65
18	-	-	-	-	-	-	-	-	-	5.35	7.60	-	-	-	-	-	-	-	-	-
19	-	-	-	4.30	-	-	5.75	-	5.00	-	-	-	-	-	-	-	4.95	-	5.05	4.70
20	-	-	-	-	-	6.10	4.70	-	5.10	-	-	-	-	-	-	-	5.30	-	-	4.50
21	-	4.40	-	4.20	3.95	5.30	4.60	4.50	5.55	5.85	-	-	-	-	-	-	5.45	-	-	5.15
22	4.10	4.25	4.35	4.00	3.95	4.90	4.90	4.65	5.45	5.35	4.95	4.10	-	4.35	3.95	3.90	5.10	4.55	5.00	5.30
23	-	4.90	-	5.50	4.40	5.90	4.70	-	5.65	5.30	5.40	-	-	-	-	-	5.10	-	5.10	-
24	4.30	4.50	4.80	5.60	4.55	6.65	4.75	4.80	5.20	6.20	-	-	-	-	-	-	5.30	4.35	-	4.90
25	4.45	5.00	5.00	-	5.15	-	-	4.65	-	-	-	-	-	-	-	-	-	-	5.20	4.60
26	-	-	5.00	-	-	-	-	-	4.60	4.90	6.10	-	-	-	4.60	-	-	-	5.80	-
27	-	-	-	4.35	4.85	-	6.15	-	5.45	5.35	-	6.85	-	-	4.85	-	-	-	-	5.00
28	-	5.70	-	5.25	5.05	4.85	4.80	-	5.20	5.25	6.45	-	-	-	-	-	5.15	-	5.90	5.10
29	-	5.30	-	5.30	4.95	5.00	5.00	-	5.00	6.20	6.00	-	-	-	-	-	5.65	-	6.90	-
30	-	-	-	5.50	-	5.00	5.10	-	5.00	5.15	-	-	-	-	-	-	5.20	-	-	5.30
31	-	-	-	-	-	-	5.70	-	-	-	-	-	-	-	-	-	4.35	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY

74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	-	-	-	-	89	-	-	22	18	-10	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	32	25	-	17	9	-	-	-	37	-	-	35	-	-	-
3	-	-	24	-	-	4	16	45	-17	13	8	22	16	7	50	-	12	37	-15	9
4	-	-	-4	-	-	-	1	-8	-32	-	-12	35	35	32	-8	10	6	-	7	16
5	-	-	18	-	-	-	-	-	-	-	-	17	-	-5	-	8	-	-	19	37
6	9	18	3	-	16	-62	17	16	18	-	-	-	-	-33	50	-	-	31	15	-
7	-	-	21	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	20	-	63	14	10	5	-	-	-57	-11	-	-	-	-	-	13	-	-	-
10	-	-	-	10	25	-	2	-	13	-2	-	-	-	-17	-	22	-	-	-	-
11	-	-42	34	36	40	6	25	-	27	20	-	-	38	-	40	-	12	-	-	9
12	-	-	-20	8	14	-2	16	-	-	7	-6	-36	-	-21	13	-	-	-10	-	21
13	-	-	-	-	-	-	-	-	-24	13	-47	-	-	-	8	-	-	-	-	-
14	13	-	-	-	-	-8	12	-	-216	23	-20	40	-	-17	-	-	14	14	-	19
15	28	27	21	25	35	14	9	16	-2	-	-	-	-	-	72	47	7	33	-24	-
16	52	89	35	40	33	40	95	32	-14	11	4	50	40	22	49	58	35	27	27	12
17	-	-	35	140	-	40	19	-	-9	30	16	89	27	-	-	-	10	80	40	21
18	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
19	-	-	-	50	-	-	-8	-	10	-	-	-	-	-	-	-	13	-	9	20
20	-	-	-	-	-	-40	19	-	9	-	-	-	-	-	-	-	4	-	-	32
21	-	40	-	63	112	0	22	32	-3	-	-	-	-	-	-	-	-7	-	-	6
22	81	55	45	100	112	6	9	19	5	0	4	49	-	45	112	125	3	29	6	0
23	-	13	-	0	40	-28	20	-	-5	4	0	-	-	-	-	-	4	-	2	-
24	60	37	14	0	28	-	10	7	5	-	-	-	-	-	-	-	4	50	-	4
25	42	9	10	-	6	-	-	22	-	-	-	-	-	-	-	-	-	-	5	31
26	-	-	12	-	-	-	-	-	23	6	-	-	-	-	25	-	-	-	-13	-
27	-	-	-	45	14	-	-	-	3	0	-	-	-	-	15	-	-	-	-	16
28	-	-	-	0	11	19	9	-	6	2	-	-	-	-	-	-	6	-	-4	7
29	-	-2	-	0	11	13	4	-	12	-	-22	-	-	-	-	-	8	-	-	-
30	-	-	-	0	-	10	1	-	8	0	-	-	-	-	-	-	0	-	-	4
31	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	47	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY 74

## SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	9	2	2	16	9	3	21
2	2	2	1	6	16	1	28
3	9	8	2	6	6	1	24
4	5	14	2	4	2	1	26
5	4	3	2	6	1	1	12
6	14	-	1	1	2	1	8
7	6	-	1	1	2	1	1
8	9	-	1	11	3	0	6
9	10	-	1	5	3	0	1
10	12	-	2	5	4	1	1
11	8	-	1	4	1	1	2
12	4	-	1	1	1	1	5
13	2	-	1	2	2	1	3
14	2	-	1	1	1	1	1
15	2	-	1	1	1	0	1
16	2	-	1	1	1	0	1
17	3	-	1	1	3	1	1
18	1	-	1	2	1	1	1
19	1	-	1	2	1	1	1
20	5	3	1	1	1	1	1
21	2	6	1	1	1	1	1
22	7	8	1	2	1	1	1
23	8	7	1	4	2	1	1
24	6	8	1	2	2	1	3
25	2	5	1	2	5	1	3
26	2	14	1	2	3	1	3
27	3	9	6	2	1	1	4
28	3	3	4	2	3	1	5
29	2	2	1	3	3	1	2
30	2	1	1	4	1	1	6
31	1	9	1	2	11	1	1

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY 74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	5.4	4.7	2.3	3.9	3.7	2.4	3.2
2	2.1	0.5	1.8	3.0	1.7	0.7	0.9
3	0.8	2.0	0.7	1.3	1.3	0.8	0.6
4	0.3	0.5	0.7	0.9	0.2	0.5	0.2
5	1.2	0.9	0.7	1.6	1.1	0.6	0.9
6	1.0	-	0.8	1.7	0.9	0.6	0.6
7	0.9	-	0.6	1.0	1.1	0.4	0.8
8	1.0	-	0.5	1.4	1.0	0.0	0.5
9	1.1	-	0.8	2.9	1.2	0.0	0.7
10	0.3	-	1.3	1.8	0.7	0.4	0.3
11	0.5	-	0.7	2.1	1.2	0.3	0.8
12	0.6	-	0.6	1.8	0.9	0.2	0.3
13	0.4	-	1.0	1.8	1.8	0.2	0.5
14	0.7	-	1.0	1.3	1.2	0.3	0.5
15	1.8	-	0.0	2.4	2.3	0.8	1.0
16	2.9	-	3.0	4.4	4.2	1.1	2.4
17	1.8	-	0.6	3.7	3.9	0.4	0.7
18	0.4	-	1.0	1.4	0.5	0.1	0.3
19	1.0	-	1.1	0.9	0.8	0.3	0.5
20	0.7	0.6	2.1	0.8	0.6	0.1	0.3
21	1.2	1.4	0.7	1.8	1.4	0.1	0.4
22	2.4	1.0	0.5	4.9	5.1	0.1	0.8
23	0.4	0.3	0.1	0.8	0.7	0.2	0.7
24	0.8	0.5	0.3	1.6	0.1	0.3	-
25	0.8	0.5	0.1	1.7	0.4	0.2	0.6
26	0.5	0.5	0.8	0.7	0.2	0.2	0.4
27	0.5	0.4	0.8	0.8	0.3	0.1	0.3
28	0.6	0.7	0.5	1.3	0.1	0.0	0.3
29	0.2	0.3	0.3	0.5	0.2	0.1	0.3
30	0.3	0.2	0.3	0.6	0.1	0.2	0.7
31	0.4	0.5	0.3	1.4	0.0	0.3	1.0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY

74

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0	0	0	0	0	7	0	0	8	1	3	11	0	0	0	0	0	0	0	0
2	0	0	0	0	0	14	14	0	7	1	0	0	0	25	0	0	5	0	0	0
3	0	0	7	0	0	1	14	17	1	0	3	5	44	9	14	0	5	31	14	10
4	-	0	2	0	0	0	8	1	4	0	2	20	22	0	3	15	3	0	1	1
5	0	0	3	0	0	0	0	0	0	1	0	4	0	10	0	20	0	0	5	7
6	5	2	3	0	1	10	17	3	2	-	0	0	0	3	4	2	0	2	2	0
7	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
9	0	0	0	6	1	0	19	0	0	3	3	0	0	0	0	0	10	0	0	0
10	0	0	0	1	0	0	5	0	0	2	1	0	0	5	0	11	0	0	0	0
11	0	0	14	8	2	1	17	0	3	12	0	0	22	0	2	0	1	0	0	5
12	0	0	0	1	0	0	3	0	-	3	6	6	0	2	1	0	0	5	0	2
13	0	0	0	0	0	0	3	0	1	6	8	0	0	0	2	0	0	0	0	-
14	2	0	0	0	0	1	2	0	2	8	5	1	0	2	0	0	5	5	0	0
15	28	20	7	14	29	7	11	3	2	0	0	2	0	0	7	26	1	11	1	-
16	41	50	58	9	13	47	169	16	5	0	12	45	80	29	37	50	34	28	15	1
17	0	0	15	7	0	1	7	0	4	15	19	4	15	0	0	8	0	1	2	2
18	0	0	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	2	0	0	8	0	2	0	0	0	0	0	0	0	9	0	0	0
20	0	0	0	0	0	5	3	0	5	0	0	0	0	0	0	0	4	0	0	0
21	0	5	0	6	8	17	34	2	8	2	0	0	0	0	0	0	15	0	0	1
22	36	39	15	55	90	13	32	10	7	1	1	20	0	1	20	18	8	7	1	1
23	0	0	0	1	1	36	9	0	5	2	3	0	0	0	0	0	6	0	3	-
24	12	6	1	1	1	6	2	4	0	1	0	0	0	0	0	0	1	5	0	1
25	3	3	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	-	3	5
26	0	0	1	0	0	0	0	0	5	7	1	0	0	0	2	0	0	0	0	0
27	0	0	0	4	1	0	0	0	12	5	0	2	0	0	6	0	0	0	0	0
28	0	0	0	1	1	0	1	0	4	1	1	0	0	0	0	0	3	0	0	1
29	-	1	0	0	1	0	0	0	3	0	0	0	0	0	0	0	3	0	-	-
30	0	0	0	1	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	6	0	0	0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY

74

PRECIPITATED ACID (MICROEQUIVALENTS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0	0	0	0	0	74	0	0	182	72	-15	-	0	0	0	0	0	0	0	0
2	0	0	0	0	0	279	60	0	212	71	0	0	0	393	0	0	30	0	0	0
3	0	0	64	0	0	9	160	315	-78	13	17	164	322	107	299	0	74	522	-163	158
4	-	-	-6	0	0	0	7	-16	-244	0	-37	345	292	120	-13	24	47	0	23	22
5	0	0	41	0	0	0	0	-	0	-	0	91	0	-31	0	102	0	0	144	137
6	63	47	14	0	10	-111	301	51	40	-	0	0	0	-153	38	-	0	57	65	0
7	0	0	102	0	0	0	0	5	0	0	0	0	0	0	0	0	0	-	0	0
8	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
9	0	24	0	128	12	15	46	0	0	-302	-34	0	0	0	0	0	166	0	0	0
10	0	0	0	7	13	0	5	0	8	-5	-	0	0	-114	0	133	0	0	0	0
11	0	-64	422	138	28	30	275	0	232	234	0	0	310	0	45	0	14	0	0	95
12	0	0	-18	10	9	-6	67	0	-	58	-142	-57	0	-68	10	0	0	-11	0	116
13	0	0	0	0	0	0	-	0	-47	56	-368	0	0	0	26	0	0	0	0	-
14	31	0	-	0	0	-13	62	-	-234	219	-255	23	0	-47	0	0	107	14	0	70
15	553	430	102	226	512	222	140	193	-3	-	-	-	0	-	133	756	33	249	-49	-
16	1066	1246	1070	166	78	1059	5035	458	-67	17	33	891	1530	618	845	1163	1070	645	414	128
17	0	0	252	160	0	18	76	0	-99	303	174	62	254	0	0	-	6	28	32	116
18	0	0	0	0	0	0	-	0	-	6	-	0	0	0	0	0	0	0	0	0
19	0	0	0	27	0	-	-25	-	44	0	0	0	0	0	0	0	90	0	8	30
20	0	0	0	0	0	-145	67	0	116	0	0	0	0	0	0	0	50	0	-	42
21	0	64	0	60	135	0	682	20	-63	-	0	0	0	0	0	0	-139	0	0	25
22	686	788	232	1120	1604	178	410	127	133	0	18	343	0	24	271	271	60	117	23	0
23	0	5	0	0	33	-244	204	0	-63	65	0	0	0	0	0	0	57	0	20	-
24	367	141	18	0	11	-	53	16	5	-	0	0	0	0	0	0	6	35	0	10
25	70	103	8	0	13	0	0	28	0	-	0	0	0	0	0	0	0	-	16	192
26	0	0	25	0	0	0	0	0	110	53	-	0	0	0	30	0	0	0	0	0
27	0	0	0	72	7	0	-	0	51	0	0	-	0	0	38	0	0	0	0	14
28	0	-	0	0	39	255	128	0	199	20	-	0	0	0	0	0	30	0	-4	72
29	-	-4	0	0	39	150	57	0	89	-	-53	0	0	0	0	0	41	0	-	-
30	0	0	0	0	0	13	14	0	57	0	-	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147	0	0	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

JULY 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	-	-	-
3	-	0.21	0.06
4	-	-	0.06
5	-	-	0.07
6	0.08	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	0.08
12	-	-	0.09
13	-	-	-
14	0.12	-	0.09
15	0.16	0.09	-
16	0.21	0.12	0.07
17	-	-	0.08
18	-	-	-
19	-	-	0.18
20	-	-	0.01
21	-	-	0.07
22	0.32	0.09	0.01
23	-	-	-
24	0.21	-	0.11
25	0.16	-	0.07
26	-	-	-
27	-	-	-
28	-	-	0.06
29	-	-	-
30	-	-	-
31	-	-	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 26	N 28
1	-	-	-
2	-	-	-
3	-	0.21	0.06
4	-	-	0.05
5	-	-	0.05
6	0.02	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	0.08
12	-	-	0.11
13	-	-	-
14	0.06	-	0.03
15	0.18	0.04	-
16	0.14	0.05	0.05
17	-	-	0.01
18	-	-	-
19	-	-	0.05
20	-	-	0.04
21	-	-	0.02
22	0.25	0.07	0.01
23	-	-	-
24	0.07	-	0.02
25	1.45	-	0.03
26	-	-	-
27	-	-	-
28	-	-	0.02
29	-	-	-
30	-	-	-
31	-	-	-

DATE	N 01	N 26	N 28
1	-	-	-
2	-	-	-
3	-	0.18	0.03
4	-	-	0.05
5	-	-	0.04
6	0.07	0.11	-
7	-	0.60	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	0.03
12	-	0.93	0.02
13	-	-	-
14	-	0.88	0.02
15	0.05	0.01	-
16	0.05	0.01	0.02
17	-	-	0.02
18	-	-	-
19	-	-	0.05
20	-	-	0.17
21	-	-	0.06
22	0.20	0.03	0.01
23	-	-	-
24	0.09	0.05	0.01
25	0.11	-	0.01
26	-	-	-
27	-	-	0.01
28	-	-	0.01
29	-	-	-
30	-	-	0.02
31	-	-	-

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## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - AUGUST 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS			LOCATIONS			
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREÅDALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEDALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

AUGUST 74

## AMOUNT OF PRECIPITATION (MM) IN NILIJ COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	3.5	4.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	1.4	0.0	4.5	-	5.1	0.0	0.0	4.1	0.0	7.6	2.9	0.0	0.0	0.0	0.0	3.0	0.0	0.0	8.9
3	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	2.0	1.8	4.9	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	0.9	7.4	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.9	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	2.5	2.2	4.0	2.0	1.1	2.6	8.8	2.2	0.6	0.0	0.0	0.0	0.0	0.0	2.7	3.7	1.9	0.0	2.2	0.0
10	0.0	0.0	15.5	0.0	0.0	0.0	0.5	1.4	0.3	0.0	8.0	3.9	0.0	3.0	1.6	0.0	0.0	2.7	5.1	3.7
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.9	1.5	0.0	0.0	0.0	1.6	0.0	0.0	0.0	13.9	1.1
12	15.4	10.2	8.0	13.2	14.1	1.7	4.1	8.8	3.0	0.9	2.1	25.3	12.7	1.6	15.9	2.4	0.0	8.1	5.7	6.8
13	0.0	1.5	7.5	0.3	9.3	0.0	0.0	0.3	3.6	0.1	0.0	14.4	0.0	2.0	2.7	3.5	2.9	2.9	0.0	0.3
14	11.3	12.7	8.4	13.2	15.5	12.5	4.9	9.9	1.3	2.6	3.3	0.0	4.2	0.8	5.7	11.6	14.6	9.4	7.6	3.2
15	0.0	0.3	1.4	0.0	0.0	0.8	0.3	0.3	41.4	0.0	0.5	4.9	0.0	4.4	0.0	0.0	1.1	0.0	0.0	3.3
16	0.0	0.0	0.0	0.0	1.0	5.2	3.8	0.0	10.3	2.5	2.6	0.0	0.0	0.6	0.0	0.0	5.3	0.0	3.8	1.3
17	0.0	0.0	0.0	1.1	1.2	5.3	8.5	0.0	19.8	3.1	-	0.0	0.0	0.0	0.0	0.0	18.0	0.0	2.1	1.3
18	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.5	3.7	0.6	1.8	4.8	4.9	0.6	0.0	0.0	1.8	0.2	0.0	0.0
19	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.6	1.4	0.0	4.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.6
22	0.0	1.2	0.0	0.0	0.0	2.0	2.5	0.0	7.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.3	1.1
23	0.5	2.2	0.0	1.0	1.3	9.0	4.3	0.3	15.1	0.5	0.0	0.6	2.1	1.6	0.0	0.0	9.2	0.2	3.8	5.6
24	0.0	0.6	0.4	0.0	0.0	3.5	1.0	1.3	15.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.5
25	0.0	1.8	0.0	7.4	0.0	18.8	7.3	0.0	9.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	23.4	0.0	4.3	0.5
26	6.6	11.5	0.4	25.1	4.5	50.2	13.0	10.9	5.5	0.5	0.0	0.0	7.6	3.2	4.2	0.9	47.5	14.9	26.6	15.6
27	0.0	0.5	4.7	0.0	0.0	0.6	1.1	0.0	11.4	6.3	16.5	4.8	20.1	10.3	0.3	9.7	0.0	0.0	6.0	2.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	3.7	5.1	38.1	3.2	0.0	0.0	0.0	0.0	0.5	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	13.0	0.0	2.2	0.4	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

AUGUST 74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	0.0	0.0	0.0	0.0	0.0	5.4	0.0	3.7	5.0	2.0	-	-	0.0	-	0.0	0.0	-	-	0.1
2	-	0.8	0.0	4.8	1.0	5.1	0.0	0.0	4.8	0.1	8.3	-	-	0.0	-	0.0	3.4	-	-	9.8
3	-	0.0	0.0	0.0	0.0	0.4	0.3	0.0	2.2	2.3	4.9	-	-	0.0	-	0.0	0.4	-	-	0.1
4	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	1.4	7.3	-	-	0.0	-	0.0	3.4	-	-	0.9
5	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.1	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
6	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
7	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
8	-	0.0	0.0	0.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
9	-	2.0	3.6	2.4	1.5	2.7	8.8	2.0	0.7	0.0	0.0	-	-	0.0	-	3.2	2.0	-	-	0.0
10	-	0.0	15.3	0.0	0.0	0.0	0.5	1.5	0.9	0.0	7.9	-	-	4.0	-	0.0	0.0	-	-	4.2
11	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.9	1.5	-	-	0.0	-	0.0	0.0	-	-	1.1
12	-	10.3	7.9	12.6	13.8	1.6	3.8	8.5	3.4	0.8	2.1	-	-	2.2	-	2.3	0.0	-	-	7.4
13	-	1.5	7.5	0.4	9.4	0.0	0.0	0.5	4.1	0.2	0.0	-	-	3.3	-	3.3	3.4	-	-	0.4
14	-	12.6	8.3	13.1	15.5	9.2	10.5	10.0	1.5	3.2	3.8	-	-	1.3	-	11.0	9.0	-	-	3.2
15	-	0.3	1.4	0.0	0.2	0.6	0.5	0.1	41.5	0.1	0.7	-	-	5.5	-	0.0	1.6	-	-	3.5
16	-	0.0	0.0	0.0	1.0	4.1	3.9	0.0	11.0	3.4	2.9	-	-	0.6	-	0.0	5.5	-	-	2.0
17	-	0.0	0.0	1.1	1.5	4.5	8.9	0.0	20.1	3.7	0.0	-	-	0.0	-	0.0	13.5	-	-	1.6
18	-	0.0	0.0	0.0	0.0	0.0	4.8	0.4	4.3	1.2	1.8	-	-	1.3	-	0.0	2.1	-	-	0.0
19	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
20	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
21	-	0.0	0.0	0.0	0.0	0.9	2.5	0.0	5.2	2.5	0.0	-	-	0.0	-	0.0	15.5	-	-	0.7
22	-	1.0	0.0	0.2	0.0	2.5	2.9	0.0	8.0	6.3	0.0	-	-	0.0	-	0.0	7.0	-	-	1.3
23	-	2.0	0.0	1.6	1.8	9.0	7.9	0.5	15.2	1.0	0.0	-	-	1.8	-	0.0	9.8	-	-	5.7
24	-	0.5	0.5	0.1	0.0	3.9	1.5	1.3	15.5	2.4	0.0	-	-	0.0	-	0.0	0.2	-	-	1.1
25	-	2.0	0.0	8.0	0.0	18.6	12.7	0.0	10.1	2.0	0.0	-	-	0.0	-	0.0	23.3	-	-	0.7
26	-	11.5	0.6	26.4	5.0	50.1	17.0	11.3	6.1	1.0	0.0	-	-	3.4	-	0.3	45.0	-	-	15.9
27	-	0.5	4.9	0.2	0.0	0.9	1.0	0.0	12.5	7.3	17.8	-	-	10.2	-	9.5	0.0	-	-	3.4
28	-	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	4.1	-	-	3.2	-	0.0	0.0	-	-	0.0
29	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	-	-	2.9	-	0.0	0.0	-	-	0.0
30	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
31	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0







## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

AUGUST 74

## SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	2	2	1	4	7	1	7
2	1	1	1	1	3	3	5
3	8	5	7	4	4	3	2
4	8	3	1	3	3	2	-
5	6	2	1	5	1	5	10
6	3	1	5	3	1	1	5
7	10	6	6	3	1	1	3
8	14	7	8	2	1	1	6
9	16	5	7	5	2	1	19
10	8	6	2	3	1	1	3
11	1	2	1	3	4	1	10
12	1	2	1	1	1	2	7
13	1	2	1	1	1	2	1
14	1	2	2	2	3	1	1
15	3	3	1	2	5	1	1
16	1	4	1	2	6	1	2
17	3	1	1	2	2	1	6
18	2	1	1	2	1	1	7
19	1	1	1	5	2	1	6
20	1	1	1	5	3	1	1
21	1	1	1	4	3	1	1
22	3	1	1	4	5	1	1
23	2	1	1	3	3	1	1
24	3	3	1	2	4	1	1
25	4	3	1	3	3	1	3
26	6	13	2	7	5	1	15
27	3	3	1	1	3	2	10
28	1	1	3	1	1	1	5
29	1	1	1	2	2	1	3
30	1	2	1	3	3	4	1
31	6	12	5	15	7	9	4

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

AUGUST 74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	2.0	2.3	1.5	2.1	0.1	0.4	0.7
2	1.0	0.8	0.7	1.4	0.1	0.3	0.3
3	0.9	1.0	0.5	1.6	1.3	0.2	0.4
4	0.6	0.6	0.5	1.0	0.6	0.2	-
5	0.5	0.6	0.6	0.9	0.1	0.1	0.2
6	1.0	1.4	0.5	1.2	1.0	0.2	0.4
7	10.2	8.7	7.4	3.7	0.5	0.3	7.1
8	13.2	14.7	10.3	17.1	11.3	0.3	7.5
9	13.2	10.3	6.6	14.9	15.6	1.0	6.1
10	3.5	2.1	1.9	3.5	5.1	1.3	2.7
11	3.4	2.2	0.8	5.3	3.6	2.3	4.2
12	2.6	2.4	2.2	3.9	2.8	1.0	2.2
13	2.3	2.4	1.7	4.3	3.1	1.5	1.9
14	1.8	1.8	1.2	0.2	0.3	0.4	1.7
15	4.6	4.7	3.2	7.9	3.6	0.5	2.3
16	4.0	3.5	2.3	8.7	1.1	0.6	2.8
17	0.6	0.4	0.4	1.7	0.1	0.1	0.3
18	0.3	0.4	0.2	0.6	0.2	0.2	0.3
19	0.4	0.2	0.4	3.5	0.5	0.1	0.4
20	0.7	0.3	0.6	1.1	0.8	0.4	0.6
21	1.7	1.3	2.1	1.4	1.1	1.5	1.1
22	6.5	3.5	1.5	1.4	6.8	1.1	3.9
23	3.6	3.2	2.7	6.1	4.1	0.2	2.4
24	3.2	4.1	2.1	3.7	5.2	0.3	2.3
25	7.0	5.5	3.1	5.4	6.8	1.8	5.4
26	12.9	10.8	4.9	14.1	11.2	3.1	9.2
27	5.4	2.6	0.6	5.8	5.2	2.0	5.3
28	5.3	0.5	1.1	2.4	0.7	1.0	1.9
29	1.9	3.1	3.8	2.9	0.7	1.3	2.0
30	2.8	2.6	3.8	2.8	5.2	1.4	2.1
31	4.1	3.0	7.3	3.1	1.8	1.7	5.6



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

AUGUST 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 10	N 26	N 28
1	-	-	-	-
2	-	-	-	0.14
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	1.10	-	0.20	-
10	-	-	-	0.23
11	-	-	0.25	-
12	-	0.00	0.18	0.12
13	-	-	0.13	-
14	-	0.11	0.07	0.09
15	-	0.03	-	0.18
16	-	-	-	0.18
17	-	-	-	-
18	-	0.00	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-
22	-	-	-	-
23	-	0.52	-	0.21
24	-	0.45	-	-
25	-	-	-	-
26	-	1.17	0.65	0.99
27	-	-	-	0.17
28	-	0.34	-	-
29	-	-	-	-
30	-	-	-	-
31	-	-	-	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 10	N 26	N 28
1	-	-	-	-
2	-	-	-	0.06
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	1.35	-	0.60	-
10	-	-	-	0.42
11	-	-	0.70	-
12	-	0.00	0.14	0.10
13	-	0.00	0.14	-
14	-	0.03	0.09	0.04
15	-	-	-	0.08
16	-	-	-	0.11
17	-	-	-	-
18	-	0.00	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-
22	-	-	-	-
23	-	0.28	-	0.02
24	-	0.33	-	-
25	-	-	-	-
26	-	2.57	1.10	1.40
27	-	-	-	0.37
28	-	0.14	-	-
29	-	-	-	-
30	-	-	-	-
31	-	-	-	-

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 10	N 26	N 28
1	-	-	-	-
2	-	-	-	0.01
3	-	-	-	-
4	-	-	-	0.05
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	0.56	-	0.18	-
10	-	-	-	0.09
11	-	-	0.11	0.10
12	0.09	0.08	0.09	0.03
13	-	-	0.08	0.13
14	0.05	0.06	0.04	0.04
15	-	0.46	-	0.06
16	-	-	-	0.12
17	-	-	-	0.05
18	-	0.62	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	0.34
22	-	-	-	0.11
23	-	0.51	-	0.03
24	-	0.50	-	0.14
25	-	-	-	0.06
26	1.27	1.34	0.38	0.44
27	-	-	-	0.08
28	-	0.22	-	-
29	-	-	-	-
30	-	-	-	-
31	-	-	-	-

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## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - SEPTEMBER 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS				LOCATIONS		
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREADALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## AMOUNT OF PRECIPITATION(MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	11.5	19.6	2.6	19.1	16.4	9.7	16.0	13.2	0.0	0.0	0.0	8.3	15.7	7.7	0.0	2.5	5.0	8.0	14.5	0.0
2	37.4	41.2	18.5	28.2	25.3	27.2	8.8	26.9	0.0	0.0	0.9	5.9	16.6	8.5	5.5	7.7	7.3	30.2	6.3	5.6
3	22.0	14.2	49.4	4.1	6.7	57.0	10.9	13.1	0.8	0.0	2.5	7.3	27.1	10.6	2.4	11.1	27.2	11.9	23.2	1.6
4	36.3	26.7	64.6	7.2	29.7	45.8	26.3	28.3	4.3	0.0	0.8	2.9	22.4	9.2	5.9	11.7	39.8	21.0	7.4	3.5
5	18.8	9.4	2.0	3.8	11.6	21.4	17.7	4.1	1.8	6.0	6.0	6.7	2.4	1.7	7.3	4.7	10.8	2.7	5.1	0.2
6	9.2	3.5	6.2	9.7	11.2	18.7	9.7	4.8	2.7	1.4	3.7	21.0	1.3	6.3	8.9	20.9	19.3	8.0	6.2	1.4
7	46.2	54.1	54.9	44.2	32.7	45.2	28.3	46.0	0.0	1.0	23.1	2.9	29.6	29.1	9.9	20.1	8.8	50.3	15.6	8.8
8	1.7	14.0	0.4	2.7	15.4	45.5	14.1	0.3	10.2	5.0	10.9	7.3	19.7	5.7	0.0	0.3	8.6	0.5	17.5	8.0
9	0.3	1.9	0.8	2.7	0.0	7.0	2.3	0.0	5.2	9.6	0.0	0.0	0.0	0.0	0.0	0.0	15.6	0.0	2.4	0.2
10	0.0	1.0	0.0	0.4	0.0	3.7	2.4	0.0	2.5	0.1	0.0	0.0	0.0	0.3	0.0	0.0	13.2	0.0	0.0	0.2
11	0.0	0.0	0.0	0.0	0.0	4.0	1.3	0.0	49.5	0.9	2.1	0.0	0.0	0.0	0.0	0.0	4.2	0.0	2.7	4.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
13	6.2	14.5	5.7	14.3	25.3	10.3	0.3	2.4	4.0	0.0	0.0	0.0	0.0	3.5	6.4	2.7	16.6	2.2	1.9	2.5
14	0.0	0.6	15.0	0.3	0.0	2.4	1.0	0.2	3.6	3.3	5.1	21.7	18.2	16.0	8.6	0.0	0.6	2.5	4.1	15.9
15	0.0	13.2	1.5	31.7	8.6	8.1	0.7	10.9	1.7	0.0	0.0	1.5	12.6	7.9	0.0	0.0	3.0	10.1	3.8	0.0
16	21.5	2.0	3.0	0.8	0.0	23.9	12.9	5.4	39.6	3.3	24.5	0.0	12.7	20.3	0.0	0.0	36.6	13.3	17.5	1.8
17	1.0	3.5	0.6	4.6	1.3	25.8	22.0	1.8	26.7	10.7	6.7	4.5	0.0	0.7	0.0	0.0	22.0	0.0	11.3	2.5
18	0.0	0.0	0.0	2.2	0.3	7.6	11.1	0.0	18.5	19.7	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.0	1.4	1.3
19	6.5	9.6	1.8	8.3	4.5	15.0	16.6	5.3	10.4	25.0	0.0	0.0	0.0	0.0	1.3	1.0	32.0	1.5	10.5	1.1
20	2.8	5.2	2.7	2.5	1.3	14.6	16.6	3.7	0.3	2.3	0.0	0.0	0.0	0.0	0.0	1.4	13.5	4.4	4.5	0.6
21	15.7	12.7	11.0	1.5	7.3	18.7	27.1	7.4	4.8	4.7	5.7	21.3	16.6	5.8	12.7	0.5	18.1	6.8	13.0	6.7
22	4.5	12.4	9.1	3.9	7.5	17.1	12.1	3.8	2.0	10.9	5.1	8.6	0.0	0.0	3.5	0.0	18.5	1.8	3.4	-
23	28.8	26.1	12.0	19.4	26.3	22.3	22.3	17.5	3.5	5.5	1.2	2.2	5.0	7.4	4.8	7.1	13.4	14.0	7.4	-
24	33.1	63.7	33.6	16.3	45.7	13.3	0.3	41.9	4.5	0.1	8.9	6.7	12.8	28.2	16.6	11.8	6.4	21.0	3.1	-
25	5.9	1.0	22.6	12.4	5.9	6.6	59.2	3.2	3.6	3.5	7.0	4.2	16.3	15.3	5.6	2.5	16.4	9.2	21.8	-
26	0.2	0.0	0.0	1.5	0.0	6.7	15.4	1.1	11.7	0.0	2.7	4.3	9.9	7.2	0.0	0.0	13.2	0.7	6.1	-
27	18.8	10.5	16.6	4.8	7.3	1.2	0.2	21.5	0.0	0.1	7.3	20.2	20.0	14.4	34.4	17.3	1.9	14.5	1.8	-
28	29.4	10.2	15.0	2.1	6.4	14.2	6.2	17.3	2.3	5.8	17.6	7.6	2.6	12.8	2.5	5.5	27.7	16.6	9.4	-
29	0.2	5.5	2.6	3.3	11.8	7.3	0.8	6.4	0.0	0.0	6.8	5.2	0.0	0.0	13.0	0.4	22.5	5.7	0.1	-
30	0.0	0.7	0.0	3.2	1.8	0.8	5.4	0.2	1.1	12.7	2.1	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.9	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	19.3	2.7	18.6	22.4	9.4	17.9	13.4	0.0	0.0	0.0	-	-	7.7	-	1.3	5.5	-	-	0.0
2	-	41.0	18.5	28.1	24.4	27.8	10.5	27.5	0.0	0.0	1.0	-	-	9.2	-	5.0	8.5	-	-	6.4
3	-	14.0	45.5	4.9	7.5	56.1	23.5	13.4	1.0	0.0	3.1	-	-	9.8	-	18.6	28.0	-	-	2.0
4	-	27.0	65.5	8.9	29.6	45.6	42.0	28.6	5.3	0.0	1.0	-	-	10.0	-	11.5	40.1	-	-	4.0
5	-	9.5	2.2	4.0	12.4	23.0	23.6	4.5	2.7	5.6	6.5	-	-	2.2	-	5.5	12.0	-	-	0.3
6	-	4.0	6.5	9.9	11.8	18.4	14.2	5.0	3.5	2.5	4.0	-	-	5.1	-	20.4	19.8	-	-	1.6
7	-	53.5	54.2	47.4	33.5	43.9	38.2	45.5	0.0	1.5	23.9	-	-	27.2	-	21.8	9.4	-	-	8.8
8	-	14.1	0.4	2.7	16.5	44.1	16.9	0.5	11.2	5.5	11.0	-	-	7.4	-	0.8	8.9	-	-	8.0
9	-	2.5	0.7	3.4	0.0	7.1	2.9	0.0	5.9	10.5	0.0	-	-	0.0	-	0.0	13.5	-	-	0.1
10	-	1.2	0.0	0.7	0.0	4.0	3.0	0.0	3.5	0.3	0.0	-	-	0.5	-	0.0	10.5	-	-	0.1
11	-	0.0	0.0	0.0	0.0	4.3	2.4	0.0	49.7	1.2	2.5	-	-	0.0	-	0.0	9.1	-	-	4.6
12	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.6	0.0	-	-	0.0	-	0.0	0.0	-	-	0.1
13	-	15.0	5.7	13.6	24.0	10.9	0.8	2.5	5.1	0.0	0.0	-	-	3.0	-	1.7	17.0	-	-	2.9
14	-	1.0	14.5	0.5	0.9	3.0	1.7	0.3	4.4	3.4	5.5	-	-	17.0	-	0.0	1.5	-	-	15.7
15	-	13.0	1.5	29.5	8.6	7.7	1.5	11.0	2.3	0.1	0.0	-	-	7.0	-	0.0	4.6	-	-	0.3
16	-	2.5	3.3	1.1	0.0	24.0	18.3	5.8	41.3	4.5	25.7	-	-	21.2	-	0.0	36.2	-	-	2.2
17	-	3.7	0.7	4.7	1.9	26.4	28.8	2.1	28.1	11.3	7.0	-	-	0.9	-	0.0	15.0	-	-	3.0
18	-	0.0	0.0	2.6	0.5	8.0	10.6	0.0	19.3	28.7	0.0	-	-	0.0	-	0.0	10.0	-	-	2.3
19	-	9.2	2.1	8.4	5.0	14.9	17.6	4.9	10.8	30.4	0.0	-	-	0.0	-	1.2	27.5	-	-	1.1
20	-	5.5	2.9	2.6	1.9	14.6	23.0	3.6	0.6	3.6	0.0	-	-	0.0	-	1.5	14.5	-	-	0.7
21	-	12.5	11.4	1.0	7.8	18.6	36.1	7.6	5.2	5.3	5.8	-	-	6.1	-	0.4	18.9	-	-	7.5
22	-	12.0	9.0	4.1	8.6	17.0	14.7	3.9	2.3	11.2	5.1	-	-	0.0	-	0.0	18.6	-	-	0.9
23	-	26.0	11.9	18.1	25.8	22.2	23.5	14.0	3.9	7.0	1.2	-	-	7.4	-	5.8	14.7	-	-	3.0
24	-	62.0	32.6	18.5	44.9	13.3	1.4	41.0	5.1	0.3	9.1	-	-	27.5	-	12.3	7.4	-	-	1.5
25	-	1.2	23.0	12.9	6.4	6.0	59.5	3.5	4.2	4.7	6.9	-	-	15.4	-	2.2	25.5	-	-	2.5
26	-	0.0	0.4	1.5	0.0	7.0	15.0	1.4	13.7	0.0	2.9	-	-	7.4	-	0.0	14.5	-	-	6.5
27	-	10.5	15.5	5.1	7.0	1.3	0.3	21.5	0.2	0.2	7.4	-	-	13.0	-	12.0	2.0	-	-	1.5
28	-	10.0	14.1	2.3	7.4	14.6	15.5	17.3	2.7	6.5	7.7	-	-	13.7	-	2.2	29.0	-	-	2.0
29	-	1.6	3.5	3.6	11.9	7.7	1.4	6.8	0.1	0.0	7.5	-	-	0.0	-	0.5	22.6	-	-	0.0
30	-	0.7	0.0	3.2	2.7	1.3	5.5	0.3	1.3	15.4	2.4	-	-	0.0	-	1.0	0.0	-	-	1.5

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## 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 18	N 19	N 20	N 22	N 23
1	0.10	0.05	0.40	0.23	0.10	0.05	0.11	0.11	-	-	-	0.05	0.02	0.06	-	2.31
2	0.13	0.15	0.12	0.27	0.21	0.07	0.10	0.07	-	-	0.20	0.03	0.04	0.02	0.39	3.95
3	0.37	0.52	0.22	5.03	0.99	0.30	0.58	0.44	0.18	-	0.11	0.22	0.24	0.04	1.71	5.93
4	0.20	0.20	0.14	1.20	0.31	0.13	0.24	0.06	0.05	-	0.27	0.27	0.05	0.06	0.95	7.79
5	0.20	0.18	0.11	3.20	0.41	0.17	0.39	0.17	0.03	0.01	0.10	0.12	0.10	0.02	0.78	4.75
6	0.15	0.36	0.07	1.65	0.49	0.25	0.55	0.11	0.02	0.02	0.05	0.09	0.14	0.05	0.73	1.18
7	0.32	0.24	0.23	0.71	0.58	0.03	0.14	0.11	-	0.06	0.02	0.11	0.06	0.06	1.26	6.52
8	0.35	0.43	0.06	6.60	0.64	0.17	0.53	-	0.05	0.02	0.03	0.11	0.06	0.04	-	52.00
9	-	0.24	0.22	2.00	-	0.18	0.19	-	0.04	0.01	-	-	-	-	-	-
10	-	0.37	-	1.55	-	0.16	0.35	-	0.03	0.31	-	-	-	0.15	-	-
11	-	-	-	-	-	0.25	0.43	-	0.03	0.08	0.04	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	0.05	-	-	-	-	-	-
13	0.14	0.05	0.12	0.14	0.06	0.03	0.45	0.15	0.04	-	-	-	-	0.07	0.36	10.40
14	-	0.09	0.02	0.96	-	0.04	0.52	0.24	0.01	0.02	0.05	0.02	0.02	0.01	0.37	-
15	-	0.16	0.20	0.15	0.07	0.04	0.24	0.07	0.05	-	-	0.12	0.10	0.02	-	-
16	0.06	0.44	0.14	0.78	-	0.03	0.09	0.12	0.01	0.01	0.03	-	0.05	0.02	-	-
17	0.18	0.26	0.24	1.57	0.36	0.08	0.23	0.12	0.05	0.01	0.04	0.18	-	0.04	-	-
18	-	-	-	2.73	0.61	0.25	0.49	-	0.21	0.12	-	-	-	-	-	-
19	0.25	0.34	0.10	1.51	0.71	0.11	0.36	0.13	0.05	0.02	-	-	-	-	7.28	20.40
20	0.23	0.21	0.04	1.34	0.48	0.06	0.23	0.08	0.20	0.48	-	-	-	-	-	12.00
21	0.40	0.27	0.16	6.99	0.51	0.10	0.20	0.17	0.02	0.02	0.07	0.15	0.09	0.02	0.90	30.00
22	0.25	0.26	0.07	3.69	0.52	0.24	0.54	0.12	0.02	0.02	0.03	0.05	-	-	0.45	-
23	0.14	0.16	0.23	0.59	0.27	0.03	0.06	0.07	0.02	0.07	0.05	0.18	0.07	0.10	0.71	4.10
24	0.08	0.05	0.10	0.30	0.09	0.02	0.08	0.02	0.03	0.09	0.04	0.04	0.03	0.03	0.39	2.60
25	0.03	0.07	0.03	0.77	0.23	0.02	0.15	0.02	0.02	0.02	0.05	0.17	0.09	0.01	0.96	2.34
26	-	-	-	0.95	-	0.03	0.14	0.01	0.01	-	0.05	0.02	0.03	0.02	-	-
27	0.12	0.09	0.11	0.36	0.32	0.66	0.19	0.02	-	0.03	0.05	0.05	0.06	0.03	0.53	9.50
28	0.38	0.57	0.28	3.32	1.17	0.65	1.28	0.21	0.02	0.01	0.03	0.20	0.50	0.03	2.90	13.04
29	-	0.18	0.43	4.20	0.21	0.65	0.29	0.20	-	-	0.04	0.20	-	-	0.20	31.12
30	-	0.41	-	0.50	0.57	0.13	0.22	0.33	0.07	0.02	0.03	-	-	-	-	6.30

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	0.12	-	0.14	0.04	-
2	0.11	-	0.06	0.05	0.05
3	0.28	-	0.16	0.07	0.04
4	0.16	-	0.09	0.07	0.02
5	0.35	-	0.28	0.08	-
6	0.20	-	0.09	0.07	0.03
7	0.05	-	0.09	0.03	0.02
8	0.70	-	0.09	0.06	0.02
9	0.29	-	-	0.04	0.02
10	0.20	0.25	-	-	-
11	0.40	-	-	0.08	0.02
12	-	-	-	-	-
13	0.02	-	0.06	0.07	0.02
14	0.24	-	0.01	0.03	0.01
15	0.12	-	0.06	0.02	-
16	0.09	-	0.06	0.03	0.04
17	0.33	-	-	0.03	0.04
18	0.80	-	-	0.11	0.23
19	0.37	0.08	0.39	0.02	0.04
20	0.12	0.25	0.03	0.03	0.02
21	0.27	-	0.11	0.02	0.02
22	0.50	0.12	0.23	0.06	0.01
23	0.15	-	0.07	0.02	0.01
24	0.03	-	0.04	0.03	0.01
25	0.16	0.09	0.02	0.01	0.01
26	0.21	0.32	0.04	0.01	0.01
27	-	0.48	0.03	0.03	0.01
28	0.41	0.59	0.17	0.20	0.01
29	0.12	0.16	0.20	0.45	-
30	-	-	-	0.06	0.10



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	4.1	2.4	14.8	6.0	2.8	2.7	2.3	5.9	-	-	-	5.7	3.9	4.5	-	8.7
2	3.9	2.8	3.6	2.6	3.3	1.5	1.7	3.8	-	-	11.0	4.9	3.8	2.8	6.2	0.0
3	1.9	2.2	3.0	3.6	2.1	2.1	3.0	3.1	3.8	-	6.1	4.2	2.6	3.5	1.5	4.1
4	2.0	1.5	0.2	1.5	1.6	2.1	2.2	2.0	0.5	-	7.1	4.1	1.5	2.1	2.1	1.8
5	1.5	0.8	0.8	3.4	1.8	1.4	1.3	1.9	0.5	1.5	2.3	2.0	2.9	0.3	1.5	2.1
6	1.5	2.2	1.2	2.4	2.0	2.6	2.2	1.6	0.4	0.3	1.7	1.8	1.4	1.7	1.6	2.8
7	1.9	1.3	1.2	0.8	1.6	0.1	0.3	1.4	-	1.7	1.5	2.3	2.7	2.3	2.5	3.2
8	1.5	0.5	0.0	3.0	1.4	0.0	0.8	-	1.7	1.6	1.6	2.3	1.8	1.4	-	0.0
9	-	0.0	0.1	3.6	-	2.6	1.4	-	0.2	1.0	-	-	-	-	-	-
10	-	3.3	-	3.7	-	2.7	3.2	-	0.1	-	-	-	-	3.3	-	-
11	-	-	-	-	-	4.0	4.4	-	0.1	0.9	2.2	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-
13	8.6	5.1	8.9	4.2	6.0	6.1	7.2	10.9	0.1	-	-	-	-	7.8	4.8	14.3
14	-	6.7	3.7	7.6	-	3.4	-	4.0	1.0	2.4	5.3	3.4	3.7	2.8	4.9	-
15	-	10.8	10.2	5.2	9.3	6.5	11.3	11.6	4.7	-	-	4.8	11.0	4.3	-	-
16	6.8	20.1	8.6	9.6	-	6.7	7.9	16.2	2.4	2.1	4.4	-	2.9	4.3	-	-
17	7.4	6.7	17.8	3.8	5.8	2.8	2.2	10.1	0.2	0.6	3.5	16.1	-	5.8	-	-
18	-	-	-	1.1	3.2	0.7	0.8	-	0.0	0.2	-	-	-	-	-	-
19	1.6	1.8	2.9	0.9	1.1	0.8	1.2	1.8	0.2	0.4	-	-	-	-	7.0	43.0
20	2.4	2.3	1.4	1.9	1.7	1.2	1.8	1.8	-	0.8	-	-	-	-	-	11.9
21	0.7	2.7	2.8	4.3	2.4	1.7	1.4	2.8	0.3	0.7	2.3	4.0	2.7	0.7	2.0	49.1
22	1.6	1.3	0.0	0.4	0.9	0.2	0.5	1.1	0.3	1.6	0.5	2.0	-	-	1.0	-
23	1.8	1.8	2.4	1.3	0.0	0.5	1.5	1.8	0.3	0.8	1.1	3.5	2.9	2.0	2.6	5.0
24	2.2	1.4	2.0	1.8	1.0	0.1	2.1	1.8	0.1	-	3.5	2.9	3.5	2.5	3.2	4.3
25	0.1	0.6	1.4	0.3	0.0	0.1	0.6	1.8	0.7	3.1	3.8	1.7	2.1	2.1	1.1	2.2
26	-	-	-	0.6	-	0.1	0.2	1.3	0.3	-	1.7	1.2	1.1	1.2	-	-
27	1.5	2.1	2.2	2.4	1.9	1.2	2.9	1.6	-	2.6	1.5	1.4	2.3	1.3	2.2	0.9
28	1.2	1.7	2.1	1.6	2.1	1.3	1.1	1.5	0.1	1.6	1.1	2.6	2.7	1.3	3.7	0.7
29	-	2.2	3.5	1.6	2.0	1.3	1.9	3.5	-	-	0.8	1.8	-	-	2.4	4.1
30	-	1.1	-	1.1	0.8	0.0	0.4	4.1	1.2	0.3	1.1	-	-	-	-	3.1

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	3.2	-	8.0	4.1	-
2	3.2	-	2.9	2.0	3.0
3	2.6	-	2.8	2.0	4.7
4	2.8	-	2.4	3.2	1.3
5	1.8	-	1.4	1.5	-
6	0.8	-	1.0	1.8	1.4
7	0.6	-	1.0	0.7	1.3
8	0.6	-	1.3	0.5	1.3
9	0.6	-	-	0.4	1.3
10	1.4	-	-	-	1.2
11	2.2	-	-	3.9	0.4
12	-	-	-	-	0.6
13	2.5	-	4.5	8.4	3.0
14	4.0	-	4.9	3.1	2.4
15	9.6	-	9.9	5.2	-
16	3.1	-	9.9	5.3	5.8
17	0.5	-	-	1.1	1.6
18	0.1	-	-	0.5	1.3
19	0.6	0.9	15.2	0.4	0.5
20	1.2	2.3	2.2	0.4	0.7
21	1.1	-	3.1	0.9	1.3
22	0.0	1.8	1.6	0.3	1.2
23	0.4	-	1.4	0.6	1.2
24	0.8	-	1.7	2.8	1.2
25	0.6	1.0	0.6	0.3	1.2
26	0.3	5.2	0.4	0.3	1.2
27	-	6.0	1.1	1.1	1.2
28	0.6	13.3	1.9	0.9	1.2
29	0.5	1.0	2.6	4.8	-
30	-	-	-	1.1	2.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	4.20	4.45	4.40	4.25	4.30	4.50	4.60	4.30	-	-	-	4.45	4.50	4.40	-	4.20
2	4.30	4.30	4.30	4.40	4.35	4.35	4.45	4.30	-	-	4.55	4.40	4.30	4.20	4.25	4.50
3	4.35	4.30	4.40	4.25	4.30	4.25	4.20	4.25	5.70	-	-	4.40	4.30	4.40	4.25	4.40
4	4.25	4.35	4.40	4.50	4.35	4.25	4.25	4.50	5.15	-	5.65	4.20	4.40	4.40	4.25	4.60
5	4.40	4.55	4.65	4.40	4.30	4.45	4.50	4.45	5.05	4.55	6.00	4.90	4.30	4.85	4.35	4.45
6	4.40	4.45	4.55	4.25	4.20	4.30	4.35	4.60	5.00	5.05	4.90	4.55	4.95	4.50	4.55	4.45
7	4.50	4.55	4.60	4.70	4.55	4.65	4.65	4.60	-	4.60	4.75	4.30	4.40	4.55	4.35	4.45
8	4.45	4.60	4.90	4.80	4.55	4.85	4.65	-	4.50	4.60	5.00	4.35	4.50	4.60	-	5.60
9	-	5.40	5.20	4.90	-	4.95	6.20	-	5.30	4.95	-	-	-	-	-	-
10	-	4.35	-	4.10	-	4.15	5.55	-	5.50	-	-	-	-	-	-	-
11	-	-	-	-	-	3.65	6.25	-	5.40	4.85	4.55	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	5.10	-	-	-	-	-	-
13	3.90	4.10	4.00	4.15	4.10	4.00	-	3.90	5.90	-	-	-	-	4.05	4.20	4.25
14	-	4.15	4.20	-	-	4.35	6.65	4.30	4.95	4.35	4.20	4.85	4.20	4.35	4.20	-
15	-	3.80	3.75	4.00	3.75	4.00	4.05	3.80	4.90	-	-	4.35	3.70	4.10	-	-
16	4.00	3.45	3.95	3.75	-	3.90	3.90	3.65	4.50	4.35	4.10	-	3.85	4.10	-	-
17	4.00	3.80	3.45	4.05	4.05	4.20	4.25	3.80	5.50	5.10	4.40	3.95	-	3.80	-	-
18	-	-	-	4.85	-	4.95	4.70	-	5.35	5.30	-	-	-	-	-	-
19	4.75	4.55	5.05	4.80	4.65	4.80	4.90	4.70	5.50	5.35	-	-	-	-	4.30	4.00
20	4.30	4.25	5.00	4.45	4.40	4.60	4.80	4.35	-	5.00	-	-	-	-	-	4.35
21	4.05	4.25	4.10	4.20	4.20	4.40	4.45	4.15	5.25	5.00	5.65	4.45	3.75	4.65	4.45	4.40
22	4.50	5.00	4.80	5.05	5.20	4.90	5.15	4.95	5.90	4.60	5.45	4.50	-	-	4.70	-
23	4.45	4.40	4.30	4.55	4.45	4.60	4.60	4.45	5.80	5.10	5.55	4.35	4.35	4.80	4.35	4.40
24	4.40	4.55	4.40	4.65	4.55	4.80	6.30	4.40	5.30	-	4.40	4.25	4.25	4.35	4.65	4.45
25	4.65	5.30	4.70	5.15	5.20	5.20	5.10	4.45	5.10	4.15	4.40	4.30	4.35	4.45	5.00	4.90
26	-	-	-	5.30	-	5.60	5.10	5.05	5.05	-	5.00	4.65	4.65	4.60	-	-
27	4.50	4.40	4.40	4.25	4.15	4.30	-	4.60	-	-	4.65	4.45	4.40	4.50	4.45	4.40
28	4.45	4.45	4.35	4.00	4.25	4.35	4.60	4.50	5.75	4.30	4.55	4.30	4.25	4.45	4.40	4.40
29	-	4.30	4.00	4.15	4.30	4.35	6.40	4.25	-	-	4.55	4.45	-	-	4.40	4.25
30	-	5.00	-	5.00	5.90	5.60	5.90	5.00	6.10	4.85	4.70	-	-	-	-	5.60

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	5.05	-	4.10	4.35	-
2	4.20	-	4.35	4.40	4.25
3	4.30	-	4.35	4.35	4.10
4	4.30	-	4.25	4.10	4.65
5	4.50	-	4.50	4.45	-
6	4.50	-	4.45	4.60	4.65
7	4.65	-	4.45	4.70	4.55
8	4.85	-	-	4.90	4.55
9	5.30	-	-	5.30	4.55
10	4.60	6.50	-	-	-
11	4.40	-	-	4.10	5.00
12	-	-	-	-	-
13	4.40	-	4.20	3.90	4.15
14	5.55	-	4.00	4.25	4.25
15	3.70	-	3.85	4.00	-
16	4.20	-	3.85	3.95	4.05
17	4.90	-	-	4.60	4.50
18	5.05	-	-	4.90	4.40
19	4.90	5.95	6.60	5.05	4.70
20	4.60	-	4.70	5.25	4.80
21	4.60	-	4.20	4.85	4.65
22	4.85	4.80	4.45	5.40	4.55
23	4.75	-	4.50	4.50	4.55
24	4.50	-	4.40	4.50	4.55
25	4.65	5.90	4.65	4.75	4.55
26	4.95	6.70	4.70	5.05	4.55
27	-	6.10	4.55	4.90	4.55
28	4.50	6.90	4.40	4.65	4.55
29	4.80	6.60	4.20	-	-
30	-	-	-	4.90	4.20

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	57	36	40	56	50	31	27	49	-	-	-	35	37	40	-	70
2	50	52	50	40	45	45	30	48	-	-	28	40	50	63	61	29
3	45	51	40	56	50	56	70	60	-	-	40	50	40	56	42	19
4	58	45	40	33	45	56	55	29	0	-	-	63	40	40	59	21
5	40	31	66	40	50	35	30	36	9	34	-44	14	50	16	44	43
6	35	38	27	56	63	50	41	26	4	10	16	26	8	31	30	36
7	31	31	31	23	26	16	14	27	-	25	23	50	40	31	49	37
8	38	30	13	23	26	13	21	-	32	35	12	45	27	26	-	-
9	-	0	5	12	-	6	-	-	-3	15	-	-	-	-	-	-
10	-	32	-	80	-	71	-	-	-6	-	-	-	-	-	-	-
11	-	-	-	-	-	225	-40	-	-1	14	28	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
13	145	104	100	71	80	100	-	134	-13	-	-	-	-	89	84	56
14	-	71	63	-	-	45	-	50	7	45	63	9	63	45	92	-
15	-	172	180	100	180	100	89	171	8	-	-	45	200	80	-	-
16	107	388	112	180	-	125	143	246	32	45	80	-	140	80	-	-
17	114	168	355	89	89	63	69	183	-4	3	40	112	-	160	-	-
18	-	-	-	12	-	6	18	-	-2	-1	-	-	-	-	-	-
19	20	33	12	15	24	12	12	18	-9	-1	-	-	-	-	34	122
20	56	58	12	35	40	23	13	43	-	4	-	-	-	-	-	50
21	99	64	80	63	63	40	32	74	3	7	-22	35	180	19	39	40
22	34	12	13	1	1	7	1	6	-16	22	-8	30	-	-	20	-
23	38	41	50	26	35	21	16	36	-15	5	12	45	45	15	41	32
24	40	29	40	19	22	12	-	43	-6	-	40	56	56	45	19	36
25	22	4	19	1	0	3	4	35	-2	71	40	50	45	35	1	6
26	-	-	-	-6	-	-9	3	4	5	-	10	22	16	23	-	-
27	32	41	40	56	71	50	-	22	-	-	19	35	40	33	32	40
28	37	36	45	100	56	45	34	34	-26	50	29	50	56	35	40	37
29	-	54	100	71	50	45	-	64	-	-	25	35	-	-	39	56
30	-	10	-	12	-8	-	-40	10	-40	15	22	-	-	-	-	-26

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	21	-	85	45	-
2	69	-	51	40	72
3	76	-	50	45	80
4	50	-	63	80	19
5	46	-	40	35	-
6	35	-	28	22	22
7	23	-	28	20	34
8	17	-	-	12	34
9	2	-	-	0	34
10	31	-	-	-	-
11	49	-	-	80	7
12	-	-	-	-	-
13	46	-	76	125	71
14	-	-	107	56	52
15	205	-	164	100	-
16	62	-	164	112	104
17	10	-	-	27	32
18	4	-	-	6	40
19	13	-16	-	4	20
20	24	-	29	0	16
21	25	-	81	9	25
22	10	0	36	-7	31
23	14	-	38	26	31
24	28	-	53	38	31
25	18	-12	25	18	31
26	6	-	20	0	31
27	-	-86	30	10	31
28	27	-	45	23	31
29	15	-	72	-	-
30	-	-	-	4	63

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	17	10	3	5	5	2	5
2	10	4	1	4	14	4	5
3	5	2	-	3	13	2	3
4	1	6	2	4	6	1	2
5	1	1	2	3	4	1	1
6	1	1	1	3	3	1	1
7	1	4	1	2	7	1	1
8	1	2	1	3	6	1	1
9	1	2	1	10	3	2	2
10	1	2	1	5	3	3	1
11	3	6	10	4	6	2	5
12	2	3	5	3	4	2	2
13	2	8	11	4	5	2	3
14	1	2	1	2	2	2	1
15	2	2	1	1	1	2	1
16	7	6	5	3	6	1	8
17	7	7	1	2	3	1	5
18	1	2	1	2	2	1	1
19	1	1	1	1	2	1	1
20	1	1	1	2	1	1	1
21	2	2	1	1	1	1	1
22	2	1	1	1	1	1	1
23	1	3	1	1	1	1	1
24	1	3	1	2	1	2	1
25	1	2	1	1	4	1	1
26	1	1	1	2	2	2	1
27	1	2	1	2	2	2	1
28	1	4	33	2	2	1	1
29	1	6	3	2	2	1	1
30	1	4	2	3	2	3	2

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	5.4	1.9	3.9	4.9	1.3	-	2.4
2	2.6	5.7	1.8	4.0	0.4	2.3	2.5
3	1.9	5.0	-	5.9	0.2	1.4	1.8
4	3.2	3.3	2.2	3.5	0.1	1.8	2.1
5	0.9	1.0	2.3	1.8	0.1	0.3	0.6
6	1.2	1.5	1.1	2.0	1.0	0.5	1.2
7	1.7	1.4	0.0	3.8	0.3	0.8	1.2
8	0.9	0.5	1.5	2.4	0.1	0.2	0.6
9	0.7	0.5	0.3	1.3	0.1	0.4	0.4
10	0.4	0.3	0.9	1.0	0.7	0.3	0.4
11	5.0	0.4	4.6	5.4	0.2	0.6	4.7
12	2.9	1.0	4.0	5.1	4.5	0.4	2.5
13	7.4	3.4	6.5	6.3	0.6	1.0	5.7
14	1.7	0.8	1.0	5.4	0.7	0.5	1.9
15	3.7	2.8	2.6	3.4	3.5	1.0	3.2
16	10.5	7.2	6.3	12.4	1.6	1.4	9.4
17	6.9	6.1	1.6	11.5	0.4	1.1	4.0
18	0.4	0.4	0.5	0.7	0.1	0.2	0.3
19	0.8	0.5	0.6	2.1	0.4	0.2	0.6
20	0.4	0.5	1.0	1.2	0.1	0.3	0.4
21	1.8	1.2	1.6	3.6	0.2	0.4	2.1
22	0.5	0.5	0.6	1.2	0.2	1.0	0.5
23	1.3	1.5	0.4	2.1	0.2	0.2	1.2
24	2.3	1.3	0.6	3.4	2.0	1.3	1.2
25	0.4	0.3	0.3	1.3	0.6	1.0	0.4
26	0.3	0.5	0.5	1.1	1.1	0.7	0.2
27	0.8	1.0	0.7	2.0	0.4	0.7	0.8
28	0.9	1.3	1.1	3.5	1.4	0.2	0.8
29	1.5	0.9	1.1	3.8	0.9	1.3	1.6
30	0.4	0.4	0.4	2.0	0.1	0.2	0.7

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28	
1	48	48	39	114	46	27	42	78	0	0	0	48	60	35	0	22	16	63	60	0	
2	147	117	68	73	84	41	18	101	0	0	10	29	63	24	35	0	24	87	13	19	
3	42	31	148	15	14	118	70	41	3	0	15	31	72	37	4	46	70	34	45	9	
4	72	41	10	11	48	97	92	56	2	0	5	12	35	20	12	21	112	50	23	5	
5	29	8	2	13	21	31	30	8	1	8	14	13	7	0	11	10	20	4	8	-	
6	14	8	7	23	22	49	31	8	1	1	6	37	2	11	15	58	15	8	11	2	
7	87	70	64	34	54	4	12	65	0	3	34	7	81	66	24	64	6	51	11	12	
8	3	6	0	8	21	0	14	-	17	9	17	17	36	8	0	0	6	1	8	10	
9	-	0	0	10	0	18	4	0	1	11	0	0	0	0	0	0	9	0	1	0	
10	0	3	0	1	0	10	10	0	0	-	0	0	0	1	0	0	18	0	0	0	
11	0	0	0	0	0	16	10	0	4	1	4	0	0	0	0	0	9	0	11	2	
12	0	0	0	0	0	0	0	0	-	4	0	0	0	0	0	0	0	0	0	0	
13	53	74	50	60	152	63	6	26	0	0	0	0	0	0	27	31	39	42	10	16	9
14	0	4	55	2	0	8	-	1	4	8	27	74	68	45	42	0	3	13	13	37	
15	0	143	16	166	80	53	17	127	8	-	0	7	139	34	0	0	29	100	20	-	
16	146	41	26	7	0	160	145	88	94	9	109	0	37	88	0	0	114	132	93	13	
17	7	23	11	18	8	73	64	19	5	7	24	72	0	4	0	0	11	0	13	5	
18	0	0	0	2	1	5	8	0	0	6	0	0	0	0	0	0	2	0	1	3	
19	10	18	5	7	5	12	21	10	2	12	0	0	0	0	9	44	19	22	4	1	
20	7	12	4	5	2	18	41	7	-	3	0	0	0	0	0	17	17	10	2	0	
21	10	35	31	7	17	32	50	21	1	4	13	86	44	4	26	25	20	21	11	10	
22	7	16	0	2	7	4	8	4	1	18	3	17	0	0	4	0	0	3	1	1	
23	52	46	28	26	1	12	36	32	1	5	1	8	14	15	12	35	6	19	4	4	
24	74	89	69	29	46	1	3	74	0	-	31	19	45	70	54	51	5	36	9	2	
25	1	1	32	4	0	1	35	6	3	15	27	7	34	32	6	5	9	5	6	3	
26	-	0	0	1	0	1	2	2	3	0	5	5	11	8	0	0	4	0	2	8	
27	29	22	36	11	14	1	1	35	0	1	11	28	45	19	75	15	-	16	2	2	
28	34	17	32	3	13	19	17	26	0	11	20	20	7	16	9	4	18	31	9	2	
29	-	12	9	5	23	10	3	22	0	0	6	10	0	0	32	2	11	15	0	0	
30	0	1	0	3	1	0	2	1	1	4	2	0	0	0	0	3	0	0	2	3	

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## PRECIPITATED ACID (MICROEQUIVALENTS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	657	706	104	1070	821	302	483	646	0	0	0	290	579	308	0	178	106	676	653	0
2	1868	2142	926	1128	1137	1223	315	1293	0	0	25	234	831	533	338	223	505	1542	252	461
3	988	724	1976	232	337	3194	1645	787	-	0	99	366	1085	595	102	210	2064	595	1043	160
4	2105	1203	2585	236	1335	2563	2310	822	0	0	-	180	896	369	347	245	1989	1324	596	76
5	751	290	132	153	579	749	708	147	16	190	-266	94	121	27	322	204	498	109	177	-
6	323	133	167	542	708	936	582	126	11	25	59	546	11	195	267	754	674	223	137	35
7	1431	1677	1701	1018	851	723	535	1241	0	38	532	146	1184	901	484	744	201	1408	312	299
8	63	420	6	62	401	591	355	-	328	193	131	329	533	147	0	-	147	-	210	272
9	-	0	4	32	0	42	-	0	-15	158	0	0	0	0	0	0	31	0	0	3
10	0	33	0	31	0	262	-	0	-15	-	0	0	0	-	0	0	410	0	0	-
11	0	0	0	0	0	902	-96	0	-50	17	58	0	0	0	0	0	206	0	219	32
12	0	0	0	0	0	0	0	0	-	18	0	0	0	0	0	0	0	0	0	-
13	905	1503	567	1017	2024	1031	-	324	-52	0	0	0	0	312	535	152	761	165	239	206
14	0	45	943	-	0	109	-	10	25	153	321	195	1147	722	791	0	-	272	232	816
15	0	2278	275	3167	1547	809	134	1872	13	-	0	69	2521	632	0	0	613	1660	382	-
16	2299	790	339	138	0	2992	2617	1331	1267	203	1961	0	1774	1627	0	0	2270	2182	1961	229
17	109	588	226	414	116	1624	1987	338	-107	34	267	499	0	112	0	0	220	0	304	96
18	0	0	0	27	-	46	191	0	-37	-29	0	0	0	0	0	0	47	0	8	92
19	130	317	21	124	108	180	211	96	-93	-30	0	0	0	0	43	124	416	-	42	22
20	157	303	33	89	53	337	299	159	-	14	0	0	0	0	0	72	325	126	0	11
21	1550	815	881	96	457	746	1155	546	15	37	-126	744	2991	110	497	20	454	552	117	188
22	153	148	118	4	8	119	15	23	-32	246	-41	258	0	0	70	0	185	66	-24	28
23	1096	1070	598	505	920	468	376	630	-53	35	15	97	223	111	196	226	187	532	194	93
24	1324	1846	1345	310	1005	160	-	1800	-27	-	357	374	717	1268	314	424	178	1113	116	47
25	129	4	429	12	0	20	238	114	-7	334	280	210	733	535	6	15	295	231	393	78
26	-	0	0	-9	0	-61	45	5	58	0	27	95	158	166	0	0	79	13	0	202
27	601	431	662	267	520	60	-	472	0	-	139	706	800	475	1100	690	-	434	18	47
28	1087	367	673	210	360	639	527	587	-60	325	510	382	146	448	99	204	748	745	215	62
29	-	299	261	235	589	329	-	407	0	0	170	183	0	0	508	23	338	413	-	0
30	0	7	0	39	-14	-	-220	2	-43	231	47	0	0	0	0	-25	0	0	8	95

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

SEPTEMBER 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 10	N 26	N 28
1	0.64	0.63	0.95	-
2	0.41	0.29	0.32	0.60
3	0.24	0.28	0.23	0.32
4	0.26	0.12	0.25	0.17
5	0.16	0.16	0.12	-
6	0.18	0.11	0.15	0.13
7	0.23	0.15	0.15	0.16
8	0.17	-	-	0.16
9	-	-	-	0.16
10	-	-	-	-
11	-	-	-	0.05
12	-	-	-	-
13	1.10	-	0.47	0.18
14	-	1.47	0.33	0.22
15	-	1.58	1.30	-
16	0.88	1.92	1.15	0.42
17	0.97	1.38	-	0.47
18	-	-	-	0.13
19	0.13	0.12	1.70	0.09
20	0.27	0.20	0.16	-
21	0.75	0.47	0.36	0.05
22	0.18	0.02	0.18	0.15
23	0.38	0.61	0.31	0.15
24	0.42	0.51	0.28	0.15
25	0.16	0.47	0.16	0.15
26	-	0.02	-	0.15
27	0.24	0.25	0.19	0.15
28	0.21	0.32	0.23	0.15
29	-	0.61	0.40	-
30	-	-	-	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 10	N 26	N 28
1	0.80	0.60	1.05	-
2	0.63	0.15	0.37	0.48
3	0.18	0.58	0.24	0.40
4	0.14	0.03	0.11	0.05
5	0.09	0.00	0.04	-
6	0.05	0.03	0.19	0.06
7	0.25	0.58	0.19	0.07
8	0.18	-	-	0.07
9	-	-	-	0.07
10	-	-	-	-
11	-	-	-	0.01
12	-	-	-	-
13	1.10	-	0.63	0.14
14	-	1.53	0.33	0.17
15	-	2.29	2.05	-
16	1.00	1.32	1.50	0.50
17	0.98	1.47	-	0.17
18	-	-	-	0.20
19	0.12	0.43	2.65	0.07
20	0.14	0.07	0.37	-
21	0.44	0.26	0.32	0.04
22	0.13	0.03	0.22	0.05
23	0.30	0.09	0.20	0.05
24	0.36	0.12	0.19	0.05
25	0.11	0.10	0.06	0.05
26	-	0.00	-	0.05
27	0.20	0.00	0.17	0.05
28	0.15	0.00	0.18	0.05
29	-	0.00	0.17	-
30	-	0.00	-	-

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 10	N 26	N 28
1	0.42	0.95	1.30	-
2	0.43	0.17	0.12	0.40
3	0.20	0.22	0.13	0.14
4	0.14	0.10	0.08	0.08
5	0.11	0.12	0.13	-
6	0.10	0.09	0.06	0.18
7	0.17	0.08	0.06	0.05
8	0.19	-	0.13	0.05
9	-	-	-	0.05
10	-	-	-	-
11	-	-	-	0.06
12	-	-	-	-
13	0.51	0.61	0.32	0.08
14	-	0.90	0.08	0.03
15	-	0.27	0.24	-
16	0.43	1.01	0.47	0.17
17	0.60	0.60	-	0.10
18	-	-	-	0.21
19	0.19	0.16	0.66	0.07
20	0.18	0.11	0.14	0.07
21	0.26	0.17	0.17	0.03
22	0.16	0.08	0.26	0.06
23	0.13	0.08	0.09	0.06
24	0.19	0.04	0.08	0.06
25	0.07	0.08	0.10	0.06
26	-	-	0.14	0.06
27	0.13	0.04	0.73	0.06
28	0.19	0.10	0.13	0.06
29	-	0.15	0.12	-
30	-	-	-	0.27

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## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - OCTOBER 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS			LOCATIONS			
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREADALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## AMOUNT OF PRECIPITATION(MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	8.0	11.7	2.8	4.6	18.1	3.1	-	10.1	0.0	0.6	0.0	4.1	0.0	0.0	0.0	0.3	0.0	2.3	0.0	3.0
2	5.7	4.4	4.7	3.2	15.5	0.0	-	3.1	0.0	0.0	0.0	14.1	15.0	1.8	8.9	4.3	0.0	8.1	0.0	0.0
3	10.5	6.1	8.8	0.0	2.5	0.0	0.0	5.6	0.0	0.0	0.0	1.0	0.0	0.0	3.8	9.5	0.0	2.7	0.4	0.0
4	5.4	7.0	23.5	5.6	5.5	8.7	10.2	9.8	0.0	0.0	5.4	0.0	0.0	1.1	0.0	12.6	3.2	21.3	3.4	3.0
5	0.0	0.0	3.7	2.1	6.0	0.0	0.9	1.8	0.0	0.0	0.0	3.8	0.0	6.4	20.1	2.5	0.0	3.0	0.0	0.0
6	3.6	2.4	1.6	8.1	2.2	2.0	1.5	2.9	0.0	0.0	14.5	8.9	11.8	5.2	1.6	10.8	0.0	1.9	0.0	0.0
7	5.5	6.5	10.7	0.7	6.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	5.3	3.2	13.0	5.0	0.0	2.4	0.2	0.0
8	2.3	0.0	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.9	0.0	0.0	3.8	3.0	0.9	0.0	0.0	0.0	0.0
9	0.2	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.2	0.7	9.2	5.5	1.3	10.5	1.0	0.0	1.0	0.0	0.0
12	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	2.9	0.0	0.0	0.5	1.6	0.0	2.9	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	8.0	3.8	0.9	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.8	3.9
15	0.0	1.3	1.8	0.4	0.0	0.0	1.5	0.3	1.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	2.0
16	1.2	0.6	3.0	0.1	1.0	0.0	0.9	1.8	1.2	0.7	0.0	0.0	0.0	4.5	0.0	1.5	0.0	3.9	3.1	0.5
17	7.3	7.0	8.0	0.1	10.5	2.5	0.3	4.8	0.0	0.3	0.8	0.0	0.0	5.9	1.6	3.4	1.3	4.5	1.8	1.0
18	36.6	29.0	15.2	23.6	15.9	16.0	13.6	15.0	0.0	0.0	0.9	0.0	3.2	16.2	0.0	1.3	1.3	21.8	1.3	0.0
19	68.1	57.9	54.1	25.5	27.5	16.1	18.1	77.9	0.0	0.0	3.8	8.3	8.0	15.0	13.7	37.4	0.8	35.0	2.5	0.0
20	2.2	10.8	8.1	0.0	0.4	6.9	0.0	12.1	0.0	0.0	0.0	8.7	10.7	10.5	0.0	1.5	0.0	6.5	0.0	0.4
21	3.1	1.5	7.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	2.0	2.9	8.4	2.2	7.1	8.1	0.0	6.3	0.0	0.0
22	10.8	6.7	26.4	5.6	8.3	4.6	2.7	3.5	0.0	0.0	0.0	13.9	14.8	7.4	15.1	15.0	0.0	11.0	3.9	1.0
23	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	4.8	1.6	16.0	4.8	0.0	19.9	6.5	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	4.3	2.0
25	0.0	0.0	0.0	0.3	0.0	3.6	1.5	0.0	11.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.4
26	0.2	0.0	0.7	3.1	1.3	8.7	2.7	0.0	4.6	0.0	0.9	0.0	0.0	2.7	0.0	0.0	7.5	0.0	1.2	2.5
27	0.0	0.0	1.2	3.8	0.4	0.3	8.1	0.0	0.0	0.0	4.2	8.9	0.0	4.8	4.5	0.5	4.8	0.0	0.0	1.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
31	1.7	0.0	1.1	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	8.2	0.0	0.9	1.3	0.0	0.0	0.0	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	12.0	2.7	3.6	17.9	3.5	1.4	9.2	0.0	1.3	0.0	-	-	0.0	-	0.2	0.0	-	-	3.0
2	-	4.5	4.2	5.3	15.5	0.0	0.5	3.5	0.0	0.0	0.0	-	-	2.1	-	3.2	0.0	-	-	0.0
3	-	6.5	8.4	0.0	3.0	0.0	0.0	6.5	0.0	0.1	0.0	-	-	0.0	-	10.7	0.0	-	-	0.0
4	-	7.0	22.5	5.4	6.0	8.5	9.6	9.6	0.0	0.0	6.0	-	-	1.5	-	13.5	3.9	-	-	3.0
5	-	0.0	3.4	1.9	6.2	0.0	1.0	2.0	0.0	0.1	0.0	-	-	6.5	-	2.5	0.0	-	-	0.0
6	-	2.5	1.7	8.9	2.5	2.1	2.3	3.1	0.0	0.0	15.6	-	-	5.6	-	3.8	0.0	-	-	0.0
7	-	6.5	10.5	1.1	6.3	0.0	1.2	1.4	0.0	0.0	0.0	-	-	3.0	-	19.0	0.0	-	-	0.0
8	-	0.0	0.7	0.0	0.2	0.0	0.0	0.6	0.1	0.0	0.9	-	-	4.1	-	0.6	0.0	-	-	0.0
9	-	0.0	1.0	0.0	0.0	0.0	0.0	0.9	0.1	3.2	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
10	-	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	3.7	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
11	-	0.0	0.7	0.0	0.0	0.0	0.0	0.1	1.5	0.5	0.8	-	-	1.5	-	0.8	0.0	-	-	0.0
12	-	0.0	3.5	0.0	0.0	0.0	0.0	1.0	0.1	0.1	0.0	-	-	0.0	-	1.5	0.0	-	-	0.0
13	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
14	-	0.0	0.0	0.0	0.0	0.9	0.5	0.0	8.4	3.6	1.0	-	-	0.0	-	0.0	7.0	-	-	3.9
15	-	0.6	2.1	0.3	0.0	0.0	1.4	0.2	1.2	1.5	0.0	-	-	0.0	-	0.0	0.2	-	-	2.0
16	-	0.3	3.1	0.2	3.0	0.0	1.1	1.5	1.4	0.9	0.0	-	-	4.9	-	1.2	0.0	-	-	0.5
17	-	10.0	8.3	0.2	11.5	3.0	0.6	5.0	0.0	0.4	0.8	-	-	6.5	-	3.8	2.5	-	-	1.0
18	-	28.8	14.8	19.2	16.5	16.1	28.3	15.2	0.0	0.0	0.9	-	-	15.0	-	1.3	2.0	-	-	0.0
19	-	58.0	55.0	29.1	27.5	15.5	22.0	77.2	0.0	0.0	4.2	-	-	18.4	-	35.8	0.9	-	-	0.0
20	-	7.1	7.6	0.0	0.7	6.7	0.0	9.9	0.0	0.1	0.0	-	-	12.2	-	1.3	0.0	-	-	0.4
21	-	1.0	6.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	2.0	-	-	1.1	-	7.4	0.0	-	-	0.0
22	-	6.4	22.6	6.5	8.1	4.2	3.0	2.4	0.0	0.0	0.0	-	-	6.8	-	12.5	0.0	-	-	1.0
23	-	0.0	0.0	0.6	0.0	0.0	0.5	0.0	0.0	0.0	0.0	-	-	1.0	-	0.0	0.0	-	-	0.0
24	-	0.0	0.0	4.4	2.2	15.4	15.5	0.0	20.4	7.5	0.0	-	-	0.0	-	0.0	7.0	-	-	2.0
25	-	0.0	0.0	1.2	0.0	3.6	4.5	0.0	12.5	4.0	0.0	-	-	0.0	-	0.0	6.0	-	-	0.4
26	-	0.0	0.6	3.3	1.5	8.2	3.1	0.0	5.4	0.0	1.1	-	-	2.2	-	0.0	8.0	-	-	2.5
27	-	0.0	0.8	3.9	0.6	0.3	7.2	0.0	0.0	0.0	4.7	-	-	4.2	-	0.8	5.0	-	-	1.0
28	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
29	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.5
30	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
31	-	0.0	1.0	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	-	-	0.0	-	1.0	0.0	-	-	0.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## 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 18	N 19	N 20	N 22	N 23
1	0.40	0.21	0.17	2.88	0.12	0.03	-	0.09	-	0.02	-	0.15	-	-	-	10.95
2	0.11	0.12	0.03	0.42	0.11	-	-	0.03	-	-	-	0.01	0.02	0.13	0.29	-
3	0.04	0.03	0.03	-	0.19	-	-	0.02	-	-	-	0.14	-	-	0.41	0.21
4	0.04	0.06	0.04	0.65	0.12	0.11	0.36	0.02	-	-	0.02	-	-	0.05	-	0.18
5	-	-	0.04	0.41	0.12	-	0.20	0.01	-	-	-	0.03	-	0.01	0.10	0.29
6	0.04	0.06	0.05	0.08	0.07	0.02	0.08	0.02	-	-	0.01	0.01	0.04	0.01	0.59	0.83
7	0.24	0.17	0.06	0.08	0.28	-	0.19	0.13	-	-	-	-	0.02	0.01	0.14	1.90
8	0.08	-	0.07	-	-	-	-	0.22	-	-	0.03	-	-	0.01	0.21	0.43
9	-	-	0.04	-	-	-	-	0.18	-	0.02	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	0.01	-	-	-	-	1.12	-
11	-	-	0.02	-	-	-	-	-	0.09	0.03	0.06	0.03	0.01	0.02	0.13	0.44
12	-	-	0.01	-	-	-	-	0.09	-	-	-	0.03	-	-	0.25	0.27
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	0.08	0.20	-	0.03	0.01	0.07	-	-	-	-	-
15	-	0.06	0.03	0.05	-	-	-	0.10	0.04	0.01	-	-	-	-	-	-
16	0.07	0.06	0.04	0.38	0.01	-	0.07	0.03	0.02	0.01	-	-	-	0.01	-	0.36
17	0.05	0.01	0.04	0.06	0.01	0.02	0.12	0.01	-	0.03	0.09	-	-	0.01	0.05	0.29
18	0.16	0.18	0.11	1.60	0.66	0.10	0.10	0.08	-	-	0.09	-	0.02	0.02	-	2.12
19	0.06	0.02	0.13	0.70	0.33	0.01	0.14	0.01	-	-	0.03	0.03	0.02	0.01	0.23	5.50
20	0.07	0.01	0.06	-	0.06	0.01	-	0.01	-	0.19	-	0.01	0.04	0.01	-	1.83
21	0.02	0.01	0.05	-	-	-	-	0.01	-	-	0.03	0.06	0.02	0.01	0.25	0.60
22	0.03	0.01	0.02	0.04	0.04	0.02	0.04	0.02	-	-	-	0.04	0.02	0.01	0.36	0.26
23	-	-	-	0.18	-	-	0.06	-	-	-	-	-	-	0.03	-	-
24	-	-	-	3.26	-	0.50	1.23	-	0.15	0.05	-	-	-	-	-	-
25	-	-	-	9.88	-	1.27	2.20	-	0.06	0.02	-	-	-	-	-	-
26	-	-	0.11	1.39	0.20	0.25	1.16	-	0.05	-	0.03	-	-	0.03	-	-
27	-	-	0.16	2.19	0.40	0.23	0.53	-	-	-	0.02	0.04	-	0.03	0.10	0.84
28	-	-	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	0.03	-	-	0.57	-
31	0.17	-	0.20	-	-	-	-	0.11	-	-	-	-	0.03	-	0.58	0.47

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	0.13	-	0.02
2	-	-	0.02	-	-
3	-	-	0.01	0.08	-
4	0.59	-	0.02	0.07	0.03
5	-	0.03	0.01	-	-
6	-	-	0.02	-	-
7	-	0.20	0.12	0.11	-
8	-	0.10	-	-	-
9	-	0.14	-	-	-
10	-	0.11	-	-	-
11	-	0.04	0.02	-	-
12	-	-	0.02	-	-
13	-	-	-	-	-
14	0.11	-	-	0.03	0.01
15	0.18	-	-	-	0.02
16	-	-	0.01	0.01	0.02
17	0.07	0.05	0.01	0.01	0.02
18	0.19	-	0.08	0.07	-
19	0.18	0.02	0.01	0.07	-
20	-	0.01	0.01	-	0.02
21	-	0.02	0.01	-	-
22	-	0.01	0.01	0.03	0.04
23	-	0.07	-	-	-
24	1.20	0.03	-	0.19	0.04
25	2.06	0.16	-	-	0.04
26	1.20	0.09	-	0.10	0.04
27	0.20	0.02	-	-	0.03
28	-	0.05	-	-	-
29	-	0.14	-	-	0.03
30	-	0.10	-	-	-
31	-	0.14	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	2.8	2.1	2.9	0.9	0.5	0.1	-	3.0	-	1.5	-	3.1	-	-	-	14.4
2	1.6	4.4	0.5	1.4	2.8	-	-	1.3	-	-	-	0.9	1.6	1.7	1.2	-
3	1.4	1.6	1.9	-	2.5	-	-	2.2	-	-	-	4.1	-	-	3.2	2.9
4	0.5	0.9	1.6	0.6	0.6	0.1	1.5	0.9	-	-	1.2	-	-	3.0	-	1.0
5	-	-	1.7	1.2	0.5	-	-	1.2	-	-	-	2.0	-	1.2	1.9	1.6
6	2.0	1.7	2.6	0.1	1.8	1.9	0.7	1.9	-	-	0.9	0.9	1.7	0.7	3.0	1.9
7	5.5	4.0	2.9	0.1	4.8	-	3.5	4.7	-	-	-	-	2.7	1.8	3.9	1.6
8	2.8	-	3.8	-	-	-	-	11.2	-	-	2.0	-	-	2.5	5.4	6.6
9	-	-	3.7	-	-	-	-	10.4	-	1.8	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	7.0	-
11	-	-	1.8	-	-	-	-	-	1.3	0.8	4.8	2.3	3.0	2.4	0.9	6.3
12	-	-	1.0	-	-	-	-	7.6	-	-	-	2.6	-	-	2.0	2.4
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	2.2	5.9	-	1.1	0.3	2.0	-	-	-	-	-
15	-	1.1	2.2	0.6	-	-	-	7.0	0.7	0.3	-	-	-	-	-	-
16	2.9	2.7	1.7	-	0.1	-	5.3	3.1	0.3	0.7	-	-	-	0.4	-	3.4
17	2.6	1.3	3.8	0.6	0.7	0.4	1.8	2.1	-	0.5	3.7	-	-	0.7	3.6	3.4
18	4.6	3.8	5.9	4.6	4.2	5.0	3.5	5.4	-	-	3.1	-	3.6	5.8	-	24.4
19	5.0	1.9	5.0	2.9	2.8	0.6	1.2	2.1	-	-	4.0	3.5	3.6	5.1	4.2	1.1
20	3.9	1.0	2.0	-	1.4	0.7	-	1.6	-	-	-	0.7	0.4	5.4	-	8.9
21	2.2	2.2	1.8	-	-	-	-	1.6	-	-	3.1	3.3	3.7	1.6	3.1	2.6
22	1.6	1.5	1.3	1.3	1.4	1.5	1.7	2.2	-	-	-	2.6	2.5	1.6	2.4	2.0
23	-	-	-	1.9	-	-	2.3	-	-	-	-	-	-	1.0	-	-
24	-	-	-	0.7	1.8	0.8	0.9	-	0.3	0.6	-	-	-	-	-	-
25	-	-	-	4.9	-	1.1	1.3	-	0.3	0.1	-	-	-	-	-	-
26	-	-	1.0	0.6	0.9	0.0	0.9	-	0.2	-	1.4	-	-	0.4	-	-
27	-	-	1.5	0.7	1.4	-	0.0	-	-	-	1.3	1.4	-	0.4	1.3	3.2
28	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	3.0	-
31	4.3	-	4.5	-	-	-	-	5.9	-	-	-	-	2.2	-	4.5	4.6

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	2.1	-	1.9
2	-	-	0.7	-	-
3	-	-	1.3	2.2	-
4	1.2	-	0.9	0.9	1.9
5	-	1.3	0.6	-	-
6	-	-	1.6	-	-
7	-	3.8	6.0	2.0	-
8	-	5.3	-	-	-
9	-	7.2	7.6	-	-
10	-	4.3	-	-	-
11	-	2.0	2.2	-	-
12	-	-	2.2	-	-
13	-	-	-	-	-
14	3.1	-	-	0.8	0.6
15	1.9	-	-	-	1.6
16	-	-	0.9	0.1	1.6
17	1.2	0.6	0.9	0.3	1.6
18	4.0	-	4.6	4.8	-
19	4.0	4.0	1.9	4.2	-
20	-	3.9	0.4	-	1.6
21	-	4.8	1.3	-	-
22	-	4.3	1.2	0.5	0.4
23	-	11.4	-	-	-
24	0.6	2.2	-	0.1	0.4
25	11.9	0.3	-	-	0.4
26	10.1	1.9	-	0.0	0.4
27	0.3	3.1	-	-	1.1
28	-	2.3	-	-	-
29	-	0.3	-	-	1.1
30	-	13.1	-	-	-
31	-	6.9	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	4.30	4.50	4.25	4.80	5.15	4.90	-	4.25	-	5.20	-	4.95	-	-	-	5.80
2	4.30	4.35	5.00	4.65	4.25	-	-	5.30	-	-	-	5.10	4.65	4.85	4.75	-
3	4.50	4.50	4.40	-	4.60	-	-	4.45	-	-	-	4.80	-	-	6.20	4.30
4	4.60	4.60	4.50	4.80	4.85	4.90	5.35	4.55	-	-	4.70	-	-	4.35	-	4.70
5	-	-	4.85	5.10	5.00	-	6.30	4.50	-	-	-	4.30	-	4.65	4.25	4.50
6	4.30	4.65	4.55	5.00	4.50	4.50	6.50	4.40	-	-	4.55	4.55	4.60	4.55	5.85	4.50
7	3.80	3.95	4.20	5.05	4.00	-	4.25	4.00	-	-	-	-	4.25	4.25	4.00	5.05
8	4.10	-	4.15	-	-	-	-	3.85	-	-	6.05	-	-	4.25	4.10	4.00
9	-	-	4.15	-	-	-	-	3.85	-	4.80	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	4.70	-	-	-	-	-	-
11	-	-	4.60	-	-	-	-	-	6.40	-	4.40	4.30	4.20	4.35	4.65	4.25
12	-	-	4.60	-	-	-	-	4.15	-	-	-	4.50	-	-	4.65	5.40
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	5.00	7.20	-	5.00	5.55	6.40	-	-	-	-	-
15	-	6.10	4.90	4.80	-	-	-	5.15	6.30	6.45	-	-	-	-	-	-
16	4.15	4.60	5.30	-	6.20	-	6.50	5.00	6.55	6.50	-	-	-	5.35	-	4.55
17	4.30	4.90	4.40	-	4.05	5.25	6.50	4.85	-	6.55	6.25	-	-	5.00	4.55	4.40
18	4.00	4.10	4.15	3.90	4.85	4.05	4.30	4.00	-	-	6.20	-	4.20	4.10	-	3.60
19	4.40	4.50	4.10	4.50	4.40	4.75	4.75	4.45	-	-	4.30	4.90	4.20	4.10	4.20	4.30
20	4.10	4.75	4.55	-	5.70	4.75	-	4.40	-	-	-	5.10	5.90	4.10	-	4.50
21	4.45	5.15	5.05	-	-	-	-	4.55	-	-	4.35	4.40	4.75	4.45	4.35	4.45
22	4.50	5.00	4.75	4.75	5.20	4.90	5.90	4.60	-	-	-	4.60	4.70	4.50	4.50	4.60
23	-	-	-	4.80	-	-	5.40	-	-	-	-	-	-	5.10	-	-
24	-	-	-	5.15	5.20	5.40	5.60	-	5.30	4.80	-	-	-	-	-	-
25	-	-	-	-	-	-	5.50	5.30	-	5.90	5.50	-	-	-	-	-
26	-	-	5.35	5.20	5.80	5.20	5.30	-	5.60	-	4.75	-	-	5.30	-	-
27	-	-	6.20	5.30	6.45	6.00	5.90	-	-	-	4.70	4.95	-	5.45	4.70	5.50
28	-	-	-	-	-	-	-	-	-	-	-	4.75	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	5.00	-	-	4.15	-
31	4.40	-	6.30	-	-	-	-	4.70	-	-	-	-	4.80	-	4.30	4.50

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	4.50	-	4.40
2	-	-	4.75	-	-
3	-	-	4.50	4.65	-
4	4.90	-	4.55	5.00	4.45
5	-	4.80	4.55	-	-
6	-	-	4.35	-	-
7	-	6.85	3.80	-	-
8	-	6.65	-	-	-
9	-	6.10	6.15	-	-
10	-	6.10	-	-	-
11	-	5.40	6.50	-	-
12	-	-	6.50	-	-
13	-	-	-	-	-
14	4.40	-	-	-	4.80
15	-	-	-	-	4.50
16	-	-	5.05	5.75	4.50
17	4.90	5.80	4.55	5.70	4.50
18	4.15	-	4.10	4.05	-
19	4.20	4.20	4.40	4.20	-
20	-	4.15	4.75	-	4.50
21	-	4.10	4.65	-	-
22	-	4.10	4.65	4.80	4.95
23	-	3.80	-	-	-
24	4.85	4.60	-	5.30	4.95
25	4.90	6.00	-	-	4.95
26	5.15	5.80	-	5.50	4.95
27	5.35	4.35	-	-	4.50
28	-	4.75	-	-	-
29	-	5.70	-	-	4.50
30	-	4.45	-	-	-
31	-	6.65	-	-	-

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	62	32	56	13	6	10	-	67	-	-	-	10	-	-	-	-
2	57	50	9	23	56	-	-	-45	-	-	-	5	24	14	15	-
3	40	35	40	-	30	-	-	32	-	-	-	16	-	-	-44	57
4	26	25	29	11	17	9	-12	19	-	-	23	-	-	45	-	24
5	-	-	12	2	7	-	-24	24	-	-	-	50	-	22	58	33
6	58	18	28	5	28	28	-110	40	-	-	30	28	28	26	-20	33
7	190	134	63	9	100	-	56	114	-	-	-	-	56	56	115	8
8	88	-	71	-	-	-	-	140	-	-	-	-	-	56	91	116
9	-	-	71	-	-	-	-	140	-	16	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-
11	-	-	25	-	-	-	-	-	-92	-	40	50	63	45	19	56
12	-	-	31	-	-	-	-	71	-	-	-	44	-	-	22	-10
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	10	-	-	5	-4	-	-	-	-	-	-
15	-	-38	8	16	-	-	-	-	-42	-	-	-	-	-	-	-
16	71	25	2	-	-	-	-	9	-74	-	-	-	-	1	-	46
17	53	15	40	-	89	-2	-	18	-	-	-	-	-	9	32	38
18	113	99	71	125	14	89	59	131	-	-	-	-	63	80	-	280
19	42	35	80	37	40	18	18	44	-	-	50	16	63	80	80	50
20	94	17	27	-	-	16	-	37	-	-	-	6	-18	80	-	20
21	39	6	0	-	-	-	-	28	-	-	45	40	19	35	47	32
22	33	8	14	18	6	13	-12	25	-	-	-	35	20	37	31	25
23	-	-	-	16	-	-	-	-	-	-	-	-	-	8	-	-
24	-	-	-	2	6	-5	-2	-	-3	18	-	-	-	-	-	-
25	-	-	-	-	-	-11	3	-	-17	0	-	-	-	-	-	-
26	-	-	3	6	-	-1	2	-	-9	-	18	-	-	3	-	-
27	-	-	-	2	-	-	-17	-	-	-	21	14	-	-2	18	-
28	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	10	-	-	71	-
31	42	-	-	-	-	-	-	30	-	-	-	-	15	-	50	30

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	36	-	38
2	-	-	14	-	-
3	-	-	39	22	-
4	16	-	29	9	35
5	-	18	34	-	-
6	-	-	45	-	-
7	-	-	166	-	-
8	-	-	-	-	-
9	-	-212	-	-	-
10	-	-188	-	-	-
11	-	-10	-52	-	-
12	-	-	-52	-	-
13	-	-	-	-	-
14	49	-	-	-	15
15	-	-	-	-	40
16	-	-	8	-8	40
17	8	-32	29	-8	40
18	80	-	114	89	-
19	63	63	43	63	-
20	-	71	19	-	40
21	-	80	21	-	-
22	-	80	22	15	10
23	-	160	-	-	-
24	12	25	-	2	10
25	3	-	-	-	10
26	-1	-	-	-	10
27	-1	82	-	-	33
28	-	32	-	-	-
29	-	-38	-	-	33
30	-	35	-	-	-
31	-	-114	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	2	3	2	5	3	2	2
2	1	3	1	3	3	1	1
3	1	3	1	1	2	1	1
4	2	2	1	4	2	1	1
5	2	7	1	4	2	1	2
6	3	7	1	2	3	1	1
7	2	5	2	11	3	1	2
8	2	4	1	4	4	1	1
9	2	2	1	5	4	1	1
10	1	2	1	4	3	1	1
11	1	2	1	4	3	1	1
12	1	3	2	6	8	1	1
13	1	2	-	8	3	2	1
14	1	2	1	15	1	1	1
15	1	3	1	8	3	1	1
16	1	1	1	26	3	2	1
17	1	1	1	7	2	2	1
18	1	4	4	10	12	1	6
19	4	4	2	9	14	1	5
20	3	5	2	11	3	1	1
21	3	3	1	3	4	1	2
22	3	3	1	3	2	1	1
23	2	3	1	5	3	1	1
24	3	2	1	3	4	1	1
25	2	1	1	3	1	1	1
26	2	2	1	4	1	1	1
27	2	1	1	5	1	1	1
28	2	1	1	5	1	2	1
29	2	1	1	15	1	1	1
30	2	2	1	7	4	1	1
31	2	3	1	7	5	1	2

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	1.1	1.3	0.8	3.3	0.6	0.4	1.3
2	1.6	1.8	1.4	2.3	1.2	0.3	1.0
3	0.9	1.0	0.4	1.8	1.4	0.5	0.8
4	0.9	0.8	0.5	2.2	1.6	0.3	0.5
5	0.4	0.2	1.5	2.4	0.8	0.4	0.1
6	2.0	2.1	0.6	4.1	2.3	0.5	0.9
7	2.7	2.8	3.7	5.8	1.9	0.5	1.7
8	2.9	2.7	3.7	4.3	2.3	1.0	2.2
9	2.9	2.4	2.2	4.4	0.5	2.2	3.1
10	1.7	1.7	2.0	2.3	0.5	0.6	1.7
11	0.8	1.0	0.7	1.2	0.1	0.8	0.7
12	1.4	1.2	1.8	4.5	0.8	0.8	2.3
13	3.6	2.3	0.1	2.5	2.0	1.8	2.5
14	2.6	2.8	1.4	6.8	0.5	1.5	3.5
15	3.4	3.3	2.6	8.7	0.7	0.1	1.4
16	2.0	2.3	2.5	6.6	0.5	0.2	0.3
17	0.9	6.0	1.8	2.4	2.5	0.1	0.5
18	6.6	0.7	3.8	7.0	4.8	-	2.8
19	1.0	0.7	0.2	4.8	4.6	0.5	1.1
20	0.2	1.1	1.3	0.9	1.0	0.6	0.2
21	0.9	0.9	0.5	1.9	1.4	0.8	0.8
22	0.7	1.3	0.2	1.8	0.8	0.7	0.4
23	1.6	1.6	1.3	4.8	0.1	1.3	0.8
24	0.1	1.5	1.8	2.7	1.1	0.6	0.7
25	1.0	1.0	0.7	0.3	0.1	0.1	0.4
26	0.3	0.4	0.6	1.8	0.2	0.1	0.3
27	0.4	0.4	0.3	1.6	0.7	0.4	0.3
28	0.6	0.6	0.5	1.7	0.6	0.2	0.8
29	0.8	0.7	0.6	2.0	0.3	0.2	0.4
30	1.1	1.0	0.8	1.6	1.3	0.6	1.0
31	1.9	2.0	1.8	2.7	2.6	0.9	1.8

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	22	25	8	4	9	0	-	30	0	2	0	13	0	0	0	4	0	5	0	6
2	9	19	3	4	43	0	-	4	0	0	0	12	24	3	11	-	0	6	0	0
3	15	10	17	0	6	0	0	12	0	-	0	4	0	0	12	27	0	4	1	0
4	3	6	37	3	4	1	14	8	0	0	6	0	0	3	0	12	4	18	3	6
5	0	0	6	3	3	0	-	2	0	-	0	8	0	8	38	4	0	2	0	0
6	7	4	4	1	4	4	2	6	0	0	13	8	20	4	5	20	0	3	0	0
7	30	26	31	0	29	0	4	5	0	0	0	0	14	6	51	8	0	15	0	0
8	6	0	3	0	0	0	0	4	0	0	2	0	0	10	16	6	0	0	0	0
9	-	0	4	0	0	0	0	10	0	6	0	0	0	0	0	0	0	2	0	0
10	0	0	0	0	0	0	0	0	0	4	0	0	0	0	2	0	0	0	0	0
11	0	0	1	0	0	0	0	0	2	0	3	21	16	3	10	6	0	2	0	0
12	0	0	4	0	0	0	0	6	0	-	0	8	0	0	1	4	0	6	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	2	3	0	0	1	2	0	0	0	0	0	18	0	1	2
15	0	1	4	0	0	0	-	2	1	0	0	0	0	0	0	0	1	0	0	3
16	3	2	5	-	0	0	6	6	0	1	0	0	0	2	0	5	0	3	0	1
17	19	9	31	0	8	1	1	10	0	0	3	0	0	4	6	12	2	4	1	2
18	169	111	90	109	66	81	100	81	0	0	3	0	11	94	0	31	5	101	6	0
19	339	111	269	74	76	9	27	162	0	0	15	29	28	76	57	42	3	67	11	0
20	8	11	16	0	1	5	0	20	0	-	0	6	4	56	0	13	0	3	0	1
21	7	3	13	0	0	0	0	12	0	0	6	10	31	4	22	21	0	8	0	0
22	17	10	35	7	12	7	5	8	0	0	0	36	37	12	36	30	0	13	2	0
23	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
24	0	0	0	3	3	12	14	0	6	5	0	0	0	0	0	0	4	0	0	1
25	0	0	0	2	0	4	6	0	4	0	0	0	0	0	0	0	83	0	0	0
26	-	0	1	2	1	0	3	0	1	0	1	0	0	1	0	0	76	0	0	1
27	0	0	2	3	1	-	0	0	0	0	5	13	0	2	6	2	2	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0
31	7	0	5	0	0	0	0	8	0	0	0	0	18	0	4	6	0	0	0	0

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

PRECIPITATED ACID (MICROEQUIVALENTS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	493	375	157	60	109	31	-	678	0	-	0	41	0	0	0	-	0	81	0	114
2	323	220	42	73	866	0	-	-138	0	0	0	70	361	25	134	-	0	114	0	0
3	420	214	354	0	76	0	0	178	0	-	0	15	0	0	-168	544	0	107	8	0
4	141	175	681	62	94	78	-115	186	0	0	125	0	0	49	0	303	51	618	31	105
5	0	0	44	4	42	0	-24	44	0	-	0	191	0	140	1163	84	0	101	0	0
6	207	44	45	41	61	57	-253	117	0	0	434	250	330	134	-32	355	0	86	0	0
7	1040	870	674	6	605	0	67	131	0	0	0	0	296	178	1494	40	0	402	-	0
8	202	0	61	0	0	0	0	45	0	0	-	0	0	214	272	100	0	0	0	0
9	-	0	68	0	0	0	0	134	0	51	0	0	0	0	0	0	0	-	0	0
10	0	0	0	0	0	0	0	0	0	85	0	0	0	0	-	0	0	0	0	0
11	0	0	18	0	0	0	0	0	-117	-	27	458	345	59	200	53	0	-50	0	0
12	0	0	111	0	0	0	0	54	0	-	0	129	0	0	11	-16	0	-149	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	7	-	0	40	-14	-	0	0	0	0	0	293	0	-	59
15	0	-51	15	6	0	0	-	-	-45	-	0	0	0	0	0	0	-	0	0	80
16	86	16	6	-	-	0	-	16	-90	-	0	0	0	4	0	69	0	31	-24	20
17	388	105	321	-	935	-5	-	87	0	-	0	0	53	51	128	10	130	-15	40	0
18	4136	2874	1076	2944	223	1428	1670	1960	0	0	-	0	201	1299	0	357	102	2482	116	0
19	2861	2028	4329	945	1100	290	396	3426	0	0	188	132	501	1197	1095	1872	50	1503	160	0
20	203	184	218	0	-	111	0	448	0	-	0	52	-193	838	0	29	0	124	0	16
21	119	9	0	0	0	0	0	198	0	0	89	115	159	77	332	259	0	132	0	0
22	357	54	370	100	50	60	-36	88	0	0	0	488	297	273	469	376	0	243	59	10
23	0	0	0	4	0	0	-	0	0	0	0	0	0	9	0	0	0	0	0	0
24	0	0	0	10	10	-80	-31	0	-60	135	0	0	0	0	0	0	76	0	9	20
25	0	0	0	-	0	-40	14	0	-201	0	0	0	0	0	0	0	21	0	0	4
26	-	0	2	18	-	-9	6	0	-42	0	16	0	0	8	0	0	-7	0	-	25
27	0	0	-	8	-	-	-122	0	0	0	88	125	0	-10	81	-	-5	0	0	33
28	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
30	0	0	0	0	0	0	0	0	0	0	0	7	0	0	54	0	0	0	0	0
31	70	0	-	0	0	0	0	42	0	0	0	0	123	0	43	40	0	0	0	0



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

OCTOBER 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 08	N 09	N 10	N 16	N 18	N 26	N 27	N 28
1	0.47	0.09	-	0.44	-	0.19	0.35	-	0.22
2	0.41	-	-	0.11	-	0.04	0.07	-	-
3	0.17	-	-	0.18	-	0.21	0.09	-	-
4	0.12	0.11	0.17	0.15	0.09	-	0.12	0.00	0.29
5	-	-	-	0.27	-	0.68	0.19	-	-
6	0.32	-	-	0.09	0.23	0.20	0.37	-	-
7	1.35	-	1.28	0.81	-	-	1.19	-	-
8	0.52	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	0.40	0.32	-	-
12	-	-	-	-	-	0.12	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	0.52	-	-	0.11	-	-	-	0.25
15	-	-	-	-	-	-	-	-	0.17
16	0.52	-	0.73	0.26	-	-	0.10	0.03	0.17
17	0.41	-	-	0.12	0.18	-	0.29	-	0.17
18	0.91	0.59	0.46	1.07	0.19	-	0.69	0.70	-
19	0.20	0.12	0.06	0.19	0.40	0.50	0.19	0.60	-
20	0.24	0.11	0.06	0.08	-	-	0.10	-	0.17
21	0.14	-	-	0.10	0.25	-	0.10	-	-
22	0.08	0.00	0.09	0.06	-	-	0.03	0.08	0.09
23	-	-	-	-	-	-	-	-	-
24	0.00	0.03	0.03	-	-	-	-	0.00	0.09
25	-	0.05	0.03	-	-	-	-	-	0.09
26	-	-	-	-	0.08	-	-	0.02	0.09
27	-	-	-	-	0.07	-	-	-	0.17
28	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	0.17
30	-	-	-	-	-	-	-	-	-
31	0.42	-	-	0.38	-	-	-	-	-

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 08	N 09	N 10	N 16	N 18	N 26	N 27	N 28
1	0.47	0.09	-	0.06	-	0.38	0.75	-	0.13
2	0.35	-	-	1.47	-	0.03	0.11	-	-
3	0.15	-	-	0.24	-	0.30	0.18	-	-
4	0.06	0.07	0.07	0.00	0.16	-	0.13	0.06	0.10
5	-	-	-	0.07	-	0.03	0.15	-	-
6	0.11	-	-	0.00	0.12	0.04	0.30	-	-
7	0.65	-	0.92	0.23	-	-	0.80	-	-
8	0.19	-	-	2.10	-	-	-	-	-
9	-	-	-	2.54	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	0.02	0.78	-	-
12	-	-	-	0.33	-	0.02	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	0.55	-	-	1.12	-	-	-	0.03
15	-	-	-	-	-	-	-	-	0.12
16	0.35	-	-	-	-	-	0.27	0.39	0.12
17	0.32	-	-	-	0.75	-	0.18	-	0.12
18	0.95	0.31	-	-	1.21	-	0.56	0.44	-
19	0.21	0.00	0.02	-	0.86	0.43	0.17	0.20	-
20	0.15	0.00	0.00	0.19	-	-	0.03	-	0.12
21	0.13	-	-	0.28	0.15	-	0.25	-	-
22	0.11	0.00	0.30	0.67	-	-	0.14	0.00	0.08
23	-	-	-	-	-	-	-	-	-
24	-	0.00	0.08	-	-	-	-	0.00	0.08
25	-	0.05	0.00	-	-	-	-	-	0.08
26	-	-	-	-	0.16	-	-	0.00	0.08
27	-	-	-	-	0.18	-	-	-	0.09
28	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	0.09
30	-	-	-	-	-	-	-	-	-
31	0.33	-	-	-	-	-	-	-	-

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 10	N 26	N 28
1	0.20	0.14	0.14	0.09
2	0.10	-	0.08	-
3	0.05	0.08	0.03	-
4	0.04	0.04	0.04	0.17
5	-	0.10	0.03	-
6	0.11	0.09	0.06	-
7	0.16	-	0.13	-
8	0.11	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	0.06	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	0.06
15	-	-	-	0.12
16	0.16	0.17	0.05	0.12
17	0.25	0.11	0.05	0.12
18	0.17	0.15	0.10	-
19	0.09	0.05	0.03	-
20	0.06	0.02	0.04	0.12
21	0.07	0.03	0.04	-
22	0.21	0.09	0.05	0.08
23	-	-	-	-
24	-	-	-	0.08
25	-	-	-	0.08
26	-	-	-	0.08
27	-	-	-	0.09
28	-	-	-	-
29	-	-	-	0.09
30	-	-	-	-
31	0.66	0.40	-	-



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## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - NOVEMBER 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS			LOCATIONS			
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREÅDALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## AMOUNT OF PRECIPITATION(MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	2.2	1.6	5.7	3.5	3.5	2.6	2.5	1.0	0.0	0.0	0.0	0.3	0.6	0.7	1.9	4.8	2.0	1.2	1.5
6	1.9	2.4	5.2	5.1	2.6	2.4	2.7	2.5	13.2	1.1	4.1	5.8	0.0	0.0	4.2	4.0	7.0	4.5	1.5	2.8
7	0.2	0.0	0.0	0.5	3.9	2.9	2.4	0.6	4.2	0.5	0.0	0.0	0.7	4.6	0.0	0.0	3.2	0.0	0.8	0.0
8	15.3	20.8	15.2	10.6	21.6	8.5	13.4	11.1	4.3	0.0	3.9	4.8	3.2	12.2	12.5	8.5	9.9	14.6	5.3	4.0
9	28.2	25.7	23.0	22.9	33.4	34.1	16.6	23.0	0.0	0.0	15.0	20.7	13.9	33.1	22.9	19.7	18.6	22.5	8.7	4.5
10	12.2	18.7	1.8	8.4	12.4	46.2	21.4	6.9	14.6	3.5	2.8	3.8	2.0	0.0	2.4	6.2	26.1	5.4	15.9	0.0
11	13.6	29.9	7.7	10.0	13.9	43.4	21.6	16.4	15.6	0.2	7.6	14.6	6.2	5.2	7.6	1.2	18.1	10.2	12.0	1.5
12	8.6	16.2	1.0	12.0	8.7	28.0	16.9	5.1	15.9	4.4	0.0	0.0	0.0	0.0	0.8	0.0	17.2	0.0	16.7	0.9
13	25.6	28.0	8.0	14.2	20.2	18.2	13.1	10.6	3.4	1.5	0.0	2.2	0.0	4.4	5.1	8.7	2.2	9.5	1.9	1.0
14	39.6	35.5	29.5	20.9	15.9	55.1	22.6	33.4	3.4	0.6	25.1	19.7	0.0	34.3	15.9	19.0	15.4	26.1	15.3	7.0
15	0.0	3.4	0.0	0.0	0.0	7.1	2.5	1.1	0.8	1.6	0.0	3.4	23.7	0.0	6.7	2.4	10.8	0.0	0.0	0.0
16	0.0	9.2	0.0	0.4	1.1	6.8	7.5	0.0	0.6	0.6	0.0	2.5	0.0	0.0	1.1	0.0	15.6	0.0	0.0	0.0
17	5.7	9.3	0.0	4.8	3.9	42.8	13.2	2.5	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3	0.0	9.0	1.0
18	16.2	15.3	7.3	6.2	13.1	6.1	6.7	19.4	7.1	0.0	0.0	2.4	0.0	0.0	9.4	10.5	0.6	9.5	3.2	0.0
19	15.3	8.7	10.3	13.8	1.8	0.4	5.7	18.0	0.0	0.5	0.0	23.9	33.0	20.7	12.7	9.9	0.0	7.8	0.5	0.0
20	0.3	0.0	1.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	2.5	0.0	4.7	0.6	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	12.9	7.6	8.3	3.8	20.1	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	1.3	3.3	10.7	0.6	4.5	0.2	0.0
24	34.7	33.2	24.8	27.0	27.8	20.7	10.9	30.2	0.0	0.0	4.0	8.6	7.0	11.8	7.0	11.0	3.2	28.2	3.7	0.5
25	25.6	21.6	36.7	18.1	10.3	2.4	3.6	36.9	0.0	0.1	0.0	4.6	4.8	8.6	10.8	13.1	0.0	22.5	0.4	2.0
26	0.0	0.0	0.0	0.0	0.0	0.9	3.9	0.2	0.0	0.5	9.0	1.5	2.2	0.7	0.9	0.0	3.8	1.8	0.0	0.0
27	14.0	16.7	11.5	10.6	18.8	1.5	5.5	17.7	0.0	0.5	7.0	0.0	0.0	0.0	3.3	10.0	0.0	8.4	1.6	0.0
28	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.5	1.0	0.0	1.9	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.5
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	0.0	0.0	0.6	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
2	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
3	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
4	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
5	-	1.5	1.3	4.6	3.3	3.5	4.0	2.4	1.2	0.1	0.0	-	-	0.4	-	1.4	5.0	-	-	1.5
6	-	2.5	4.7	6.2	3.9	2.5	4.7	2.5	13.5	1.7	4.1	-	-	0.0	-	5.6	7.5	-	-	2.8
7	-	0.0	0.0	0.6	4.0	3.0	3.4	0.9	4.6	0.7	0.0	-	-	5.7	-	0.0	3.0	-	-	0.0
8	-	20.3	15.0	11.7	22.3	8.3	21.5	10.5	4.4	0.0	4.1	-	-	11.9	-	8.7	8.0	-	-	4.0
9	-	25.0	21.9	23.4	33.4	33.2	31.3	22.4	0.3	0.0	15.6	-	-	33.3	-	20.5	16.5	-	-	4.5
10	-	16.3	1.4	9.2	13.2	44.7	28.5	7.0	15.5	3.6	2.9	-	-	0.0	-	6.0	23.5	-	-	0.0
11	-	28.5	7.4	11.7	15.7	42.1	40.5	15.7	16.3	0.3	7.8	-	-	5.1	-	2.1	16.5	-	-	1.5
12	-	15.0	0.5	11.7	10.8	26.2	21.8	6.0	16.0	5.3	0.0	-	-	0.0	-	0.0	12.2	-	-	0.9
13	-	27.0	7.7	15.7	21.5	16.3	24.0	12.6	3.8	2.4	0.0	-	-	3.7	-	6.5	4.9	-	-	1.0
14	-	33.6	28.3	21.8	17.7	55.2	44.5	32.8	3.7	1.3	26.0	-	-	32.0	-	22.8	14.0	-	-	7.0
15	-	2.6	0.0	0.0	0.0	7.0	6.0	0.7	0.9	2.3	0.0	-	-	0.0	-	2.7	10.0	-	-	0.0
16	-	9.0	0.0	0.2	1.5	6.4	8.8	0.0	0.7	1.2	0.0	-	-	0.0	-	0.0	13.6	-	-	0.0
17	-	9.0	0.0	5.3	4.6	40.6	16.3	2.0	7.9	0.0	0.0	-	-	0.0	-	0.0	16.6	-	-	1.0
18	-	15.0	7.1	7.6	13.0	5.9	6.5	18.4	7.5	0.0	0.0	-	-	0.0	-	11.2	0.9	-	-	0.0
19	-	8.5	9.9	16.3	2.9	0.4	5.3	17.3	0.0	0.4	0.0	-	-	16.6	-	11.4	0.0	-	-	0.0
20	-	0.0	0.8	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	-	-	4.6	-	0.0	0.0	-	-	0.0
21	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
22	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
23	-	8.5	8.3	2.0	15.4	0.0	0.0	2.6	0.0	0.0	0.0	-	-	1.1	-	9.0	0.4	-	-	0.0
24	-	32.5	26.0	26.5	29.5	19.2	16.2	29.5	0.0	0.0	4.2	-	-	12.3	-	13.7	3.0	-	-	0.5
25	-	20.5	34.0	19.4	11.5	2.5	4.5	34.8	0.0	0.1	0.0	-	-	7.1	-	13.8	0.0	-	-	2.0
26	-	0.0	0.0	0.3	0.1	0.9	4.2	0.4	0.1	0.5	9.3	-	-	0.8	-	0.0	4.0	-	-	0.0
27	-	18.5	9.6	13.2	17.7	1.5	7.2	17.0	0.0	0.6	8.0	-	-	0.0	-	9.8	0.0	-	-	0.0
28	-	0.0	1.3	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	-	-	3.2	-	1.3	0.0	-	-	0.0
29	-	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.2	0.0	-	-	0.0	-	0.0	5.5	-	-	0.5
30	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	0.0	-	-	1.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## 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 18	N 19	N 20	N 22	N 23
1	-	-	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	0.30	-	-	-	-	-	-	-
5	-	0.07	0.07	0.23	0.10	0.05	0.32	0.06	0.07	-	-	-	0.06	0.04	0.24	1.36
6	0.09	0.09	0.03	0.35	0.24	0.16	0.38	0.05	0.12	0.04	-	0.04	-	-	0.30	0.21
7	-	-	-	0.57	0.14	0.09	0.20	0.15	0.04	0.06	-	-	0.08	0.03	-	-
8	0.17	0.07	0.15	0.26	0.23	0.03	0.03	0.05	0.03	-	0.05	0.04	0.03	0.02	0.31	0.71
9	0.11	0.07	0.05	0.28	0.13	0.07	0.14	0.04	-	-	0.05	0.04	0.02	0.02	0.53	2.01
10	0.25	0.36	0.31	3.60	0.85	0.14	0.81	0.06	0.02	0.02	0.09	0.20	0.22	-	-	2.63
11	0.66	1.22	0.33	9.87	1.84	1.27	2.10	0.33	0.02	0.09	0.04	0.39	0.05	0.08	3.09	34.90
12	0.31	0.37	0.19	3.21	1.10	0.21	0.64	0.06	0.02	0.02	-	-	-	-	9.20	-
13	0.19	0.12	0.19	1.34	0.54	0.08	0.26	0.06	0.04	0.02	-	0.27	-	0.05	1.47	5.69
14	0.30	0.50	0.10	0.86	0.56	0.18	0.13	0.07	0.04	0.04	0.02	0.11	-	0.02	0.80	6.18
15	-	0.97	-	-	-	0.58	0.13	0.70	0.08	0.03	-	0.37	0.05	-	0.73	15.17
16	-	0.52	-	12.50	1.65	0.10	0.39	-	0.13	0.04	-	0.24	-	-	1.29	-
17	0.38	0.27	-	2.90	0.90	0.13	0.53	0.09	0.02	-	-	-	-	-	-	-
18	0.04	0.03	0.13	0.25	0.03	0.04	0.11	0.05	0.01	-	-	0.17	-	-	0.29	1.60
19	0.02	0.06	0.03	0.33	0.07	0.05	0.05	0.03	-	0.08	-	0.02	0.03	0.01	0.11	0.61
20	-	-	0.12	-	-	-	-	0.20	-	-	-	0.03	-	0.01	0.20	-
21	-	-	-	-	-	-	-	-	-	0.08	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	0.12	-	-	-	-	-	-
23	0.18	0.12	0.10	0.45	0.26	-	-	0.07	-	-	-	-	-	0.06	0.19	0.60
24	0.21	0.15	0.09	0.41	0.32	0.11	0.19	0.12	-	-	0.06	0.04	0.06	0.03	0.57	2.70
25	0.11	0.05	0.09	0.29	0.34	0.03	0.02	0.03	-	0.20	-	0.02	0.04	0.03	0.13	1.80
26	-	-	-	-	-	0.03	0.08	0.24	-	0.04	0.01	0.05	0.33	0.03	0.13	-
27	0.13	0.04	0.04	0.20	0.29	0.05	0.07	0.03	-	0.08	0.01	-	-	-	0.18	1.22
28	-	-	0.05	-	-	-	-	-	-	-	-	-	-	0.02	0.25	1.03
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	0.08	-	-	-
5	0.15	0.09	0.04	0.08	0.03
6	0.29	0.24	0.03	0.10	0.03
7	0.19	0.04	-	0.10	-
8	0.06	0.03	0.06	0.03	0.02
9	0.18	0.04	0.04	0.04	0.02
10	0.99	0.03	0.07	0.09	-
11	2.97	0.30	0.40	0.13	0.02
12	1.04	0.10	-	0.03	0.02
13	0.34	0.06	0.13	0.04	0.02
14	0.52	0.12	0.07	0.05	0.02
15	1.17	0.41	-	-	-
16	0.26	-	-	-	-
17	0.53	0.06	-	0.03	0.02
18	0.90	0.06	0.04	0.09	-
19	-	-	0.02	0.02	-
20	-	-	-	-	-
21	-	-	-	-	-
22	-	-	-	-	-
23	0.45	0.11	0.05	0.20	-
24	0.25	0.04	0.08	0.04	0.02
25	-	0.08	0.04	0.04	0.02
26	0.10	0.01	0.04	-	-
27	-	0.02	0.01	0.01	-
28	-	-	0.02	-	-
29	0.17	0.04	-	-	0.04
30	-	0.15	-	-	0.04

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	6.0	-	-	-	-	-	-	-
5	-	2.4	3.2	4.8	4.3	2.6	4.9	2.7	2.4	-	-	-	7.8	2.2	3.7	3.0
6	4.2	5.1	2.2	4.8	6.1	2.8	3.3	4.2	0.6	0.8	-	2.3	-	-	4.0	3.6
7	-	-	-	8.3	7.1	4.9	3.3	3.3	0.5	0.3	-	-	3.7	0.8	-	-
8	6.5	5.0	6.3	4.3	5.4	4.6	2.2	4.2	3.4	-	3.3	5.3	4.9	2.5	4.9	6.0
9	1.7	1.4	1.4	1.2	1.7	0.8	1.1	1.1	-	-	0.8	2.8	1.8	0.7	2.9	2.1
10	1.4	1.2	1.2	2.1	1.7	0.3	0.7	1.4	0.4	0.3	0.7	2.6	9.4	-	6.7	4.6
11	0.9	0.8	1.6	2.8	1.0	0.5	0.9	0.7	0.4	1.0	2.6	1.6	1.7	1.3	1.4	2.2
12	0.7	0.9	1.4	2.8	1.8	0.5	0.8	0.3	0.4	4.0	-	-	-	-	3.9	-
13	2.3	2.0	2.9	2.8	3.2	0.7	1.7	1.8	0.5	0.3	-	3.3	-	1.8	2.9	2.2
14	2.2	2.0	2.2	1.4	3.0	1.3	1.5	1.2	3.2	1.0	0.9	1.7	-	1.6	2.5	2.1
15	-	1.7	-	-	-	2.7	5.3	2.9	2.5	1.0	-	1.9	1.4	-	2.1	2.3
16	-	1.5	-	-	2.4	0.5	1.0	-	2.9	0.7	-	1.4	-	-	2.4	-
17	1.5	1.1	-	3.3	1.9	0.5	1.0	0.4	0.3	-	-	-	-	-	-	-
18	1.1	0.5	2.4	1.3	1.1	0.4	0.2	0.3	0.1	-	-	2.9	-	-	2.7	2.2
19	10.8	3.8	2.2	1.6	3.2	1.2	2.4	1.1	-	1.0	-	0.7	1.3	0.4	2.3	1.6
20	-	-	1.2	-	-	-	-	4.2	-	-	-	0.4	-	0.9	4.2	-
21	-	-	-	-	-	-	-	-	-	7.0	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-
23	5.3	6.0	4.1	9.1	5.8	-	-	5.6	-	-	-	-	-	2.6	8.6	7.3
24	4.8	2.5	4.2	4.4	5.0	2.0	2.3	2.6	-	-	2.1	4.7	2.7	2.6	8.1	5.6
25	2.3	1.8	3.0	2.1	2.9	1.7	1.6	1.6	-	-	-	1.9	2.0	2.6	2.4	5.4
26	-	-	-	-	-	1.0	1.9	3.7	-	0.8	1.0	2.3	3.7	0.8	4.5	-
27	2.0	1.4	1.7	1.4	1.8	3.2	1.7	1.0	-	1.9	0.9	-	-	-	2.0	2.4
28	-	-	1.8	-	-	-	-	-	-	-	-	-	-	1.8	3.4	3.1
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	3.4	-	-	-
5	3.3	4.2	2.2	2.2	1.1
6	1.2	2.2	2.2	3.8	1.1
7	3.4	0.5	-	3.8	-
8	1.7	4.7	5.3	2.6	0.4
9	1.0	2.2	2.3	1.1	0.4
10	1.2	0.5	0.9	0.1	-
11	0.4	2.1	0.7	0.5	0.4
12	0.8	1.6	-	0.2	0.4
13	1.1	2.3	2.4	0.8	0.3
14	1.6	3.6	1.4	0.6	0.3
15	2.7	5.9	-	-	-
16	0.8	-	-	-	-
17	0.1	2.0	-	0.2	0.3
18	0.2	1.8	0.5	0.9	-
19	-	-	1.3	1.0	-
20	-	-	-	-	-
21	-	-	-	-	-
22	-	-	-	-	-
23	3.0	13.7	4.5	7.4	-
24	3.8	2.9	2.1	1.7	0.7
25	-	7.2	1.4	3.5	0.7
26	0.8	3.7	1.1	-	-
27	-	3.3	0.7	1.2	-
28	-	-	1.6	-	-
29	0.8	7.0	-	-	0.2
30	-	5.7	-	-	0.2

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	-	-	-	4.35	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	6.00	-	-	-	-	-	-	-
5	-	4.55	4.25	3.90	4.10	4.20	4.30	4.90	6.10	-	-	-	4.80	4.80	4.85	4.25
6	4.05	4.00	4.30	3.90	3.95	4.70	4.55	4.30	5.10	5.20	-	5.00	-	-	4.20	4.25
7	-	-	-	-	3.90	4.10	4.40	4.45	5.65	6.15	-	-	6.05	5.00	-	-
8	4.00	4.15	4.10	4.00	4.15	4.05	4.40	4.05	4.50	-	4.20	4.00	4.25	4.30	4.15	4.00
9	4.40	4.60	4.50	4.50	4.65	4.85	4.70	4.55	-	-	5.25	4.35	4.80	4.70	4.30	4.50
10	4.55	4.65	6.05	4.60	4.80	5.05	4.95	5.05	5.15	4.35	4.75	4.70	6.00	-	4.75	4.50
11	4.80	4.80	5.40	5.25	4.95	4.90	5.00	4.95	5.45	4.30	5.25	4.60	4.65	4.65	4.60	4.85
12	4.80	4.75	5.85	4.70	5.60	4.80	4.85	5.25	5.25	4.80	-	-	-	-	6.30	-
13	4.95	4.40	4.35	4.25	4.30	4.65	4.55	4.35	5.90	4.90	-	5.05	-	4.35	4.15	4.40
14	4.35	4.40	4.50	5.15	4.45	4.60	4.60	4.60	4.80	4.70	4.70	4.45	-	4.40	4.30	4.50
15	-	4.35	-	-	-	4.20	4.20	4.35	5.25	4.40	-	4.50	4.90	-	4.35	4.70
16	-	4.70	-	5.15	4.45	5.05	4.95	-	5.70	4.60	-	4.60	-	-	4.75	-
17	4.45	4.60	-	4.40	4.40	4.80	4.85	5.25	5.60	-	-	-	-	-	-	-
18	4.55	4.95	4.65	4.70	4.85	5.20	5.65	4.80	5.60	-	-	4.45	-	-	4.25	4.35
19	3.70	4.45	4.60	4.30	5.85	4.35	4.40	4.55	-	4.90	-	4.70	4.80	4.85	4.30	4.50
20	-	-	-	-	-	-	-	4.65	-	-	-	5.00	-	4.70	4.25	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	3.65	4.10	4.35	3.80	4.05	-	-	4.05	-	-	-	-	-	4.25	3.90	3.95
24	4.05	4.40	4.25	4.15	4.15	4.35	4.25	4.30	-	-	4.55	4.30	4.55	4.20	3.85	4.00
25	4.45	4.60	4.55	4.40	4.45	4.50	5.60	4.45	-	-	-	4.30	4.75	4.20	4.25	4.25
26	-	-	-	-	-	4.45	4.55	4.50	-	4.45	4.35	4.25	6.20	4.45	3.95	-
27	4.30	4.80	4.95	4.50	4.45	4.30	4.90	4.90	-	4.55	4.45	-	-	-	4.25	4.30
28	-	-	4.85	-	-	-	-	-	-	-	-	-	-	4.25	4.45	4.00
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	5.20	-	-	-
5	4.20	6.25	4.35	5.75	4.50
6	4.65	4.80	4.30	5.35	4.50
7	4.85	5.25	-	4.75	-
8	4.55	4.20	4.10	4.25	4.60
9	4.80	4.95	4.45	4.60	4.60
10	5.40	5.10	4.75	5.15	-
11	5.10	6.25	4.80	5.10	4.60
12	4.70	5.50	-	5.10	4.60
13	4.60	4.25	4.20	4.70	4.70
14	4.40	4.10	4.50	4.70	4.70
15	4.15	4.45	-	-	-
16	4.75	-	-	-	-
17	5.10	4.65	-	5.05	4.70
18	6.50	5.15	4.75	5.15	-
19	-	-	4.40	-	-
20	-	-	-	-	-
21	-	-	-	-	-
22	-	-	-	-	-
23	-	3.70	4.05	-	-
24	4.10	4.20	4.35	4.50	4.40
25	-	3.80	4.45	4.10	4.40
26	4.70	4.00	4.45	-	-
27	-	4.05	4.60	4.40	-
28	-	-	4.30	-	-
29	4.90	3.90	-	-	4.70
30	-	4.55	-	-	4.70

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	-	-	-	45	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-6	-	-	-	-	-	-	-
5	-	34	56	125	80	63	62	0	-16	-	-	-	16	16	14	4
6	102	110	50	125	112	20	33	54	9	5	-	13	-	-	81	63
7	-	-	-	-	125	80	44	35	-5	-9	-	-	-7	7	-	-
8	123	83	80	100	71	89	48	103	39	-	63	100	56	50	94	107
9	39	24	30	34	26	13	21	27	-	-	-9	45	16	21	58	40
10	30	20	-56	28	13	7	10	1	7	45	16	20	-82	-	19	36
11	15	14	-8	5	12	8	8	7	1	50	-2	23	22	21	28	14
12	19	14	-3	20	-13	15	13	0	3	13	-	-	-	-	-	-
13	7	43	45	56	50	24	29	44	-14	8	-	8	-	45	75	42
14	47	40	35	4	35	26	26	22	10	20	21	35	-	40	48	31
15	-	45	-	-	-	63	70	45	4	40	-	34	34	-	43	20
16	-	21	-	6	35	8	12	-	0	25	-	30	-	-	18	-
17	39	24	-	40	40	13	15	3	1	-	-	-	-	-	-	-
18	28	11	28	21	14	1	-10	17	-4	-	-	35	-	-	53	45
19	239	36	22	50	-16	45	43	35	-	13	-	23	18	13	59	47
20	-	-	-	-	-	-	-	22	-	-	-	13	-	19	56	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	239	84	45	160	89	-	-	110	-	-	-	-	-	56	146	135
24	105	54	56	71	71	45	57	74	-	-	32	50	29	63	163	123
25	37	25	25	40	35	35	-2	39	-	-	-	50	21	63	56	71
26	-	-	-	-	-	35	27	30	-	35	45	56	-48	35	112	-
27	54	12	7	38	35	50	9	9	-	28	35	-	-	-	59	48
28	-	-	14	-	-	-	-	-	-	-	-	-	-	56	35	100
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-6	-	-	-
5	67	-	56	-2	33
6	26	16	59	3	33
7	11	-2	-	18	-
8	29	63	90	56	27
9	13	4	40	26	27
10	0	4	18	2	-
11	4	-166	12	4	27
12	21	-12	-	4	27
13	23	56	62	24	19
14	43	80	28	20	19
15	76	35	-	-	-
16	19	-	-	-	-
17	11	22	-	6	19
18	-	6	16	6	-
19	-	-	39	-	-
20	-	-	-	-	-
21	-	-	-	-	-
22	-	-	-	-	-
23	-	200	108	-	-
24	96	63	48	37	44
25	-	160	40	80	44
26	16	100	35	-	-
27	-	89	25	40	-
28	-	-	58	-	-
29	17	125	-	-	11
30	-	28	-	-	11

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	2	2	1	6	5	1	2
2	3	4	2	4	6	1	1
3	3	3	2	11	4	1	1
4	2	3	2	16	2	1	1
5	2	3	2	11	3	1	2
6	1	2	2	15	4	1	1
7	2	3	1	15	3	2	1
8	1	2	3	14	12	3	1
9	1	2	3	3	7	9	1
10	1	2	2	3	3	3	1
11	1	1	3	3	2	1	3
12	1	2	1	10	2	2	2
13	1	3	2	6	10	2	2
14	1	4	1	6	11	2	2
15	1	2	4	5	11	3	4
16	2	2	7	8	10	2	4
17	1	1	1	3	9	2	1
18	1	1	1	5	9	1	1
19	1	1	1	8	5	1	1
20	1	2	2	5	2	1	2
21	1	2	2	7	2	1	3
22	1	2	1	8	1	2	3
23	2	1	3	13	2	2	2
24	2	2	4	11	10	7	3
25	1	4	3	13	5	12	3
26	1	3	1	6	7	4	2
27	1	6	2	9	3	1	2
28	1	3	1	5	2	2	2
29	1	2	1	5	2	2	2
30	1	1	2	7	1	1	2

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

## SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	2.4	2.2	2.3	2.6	2.8	0.7	2.4
2	2.1	3.8	2.3	2.5	4.0	0.9	1.8
3	1.6	1.6	1.8	2.8	2.6	1.4	1.6
4	1.2	2.6	1.4	4.4	2.1	1.2	1.8
5	1.9	1.2	1.8	3.6	3.7	0.4	2.0
6	1.1	0.6	1.4	8.2	2.0	0.1	1.1
7	0.2	2.8	0.9	8.2	1.6	0.0	0.1
8	2.0	1.3	1.8	5.1	10.8	0.1	1.2
9	1.4	0.5	1.6	2.0	5.9	0.3	0.9
10	1.3	1.2	1.6	0.5	2.3	0.0	0.4
11	1.8	1.0	1.8	2.2	2.7	0.1	0.5
12	1.3	2.1	1.3	2.0	3.6	0.9	0.8
13	2.1	2.3	1.6	3.4	4.7	0.3	0.7
14	2.7	2.8	2.5	4.3	7.1	0.1	0.6
15	2.3	0.6	2.0	3.7	4.1	0.4	2.7
16	3.1	3.2	2.5	5.1	5.4	1.0	2.2
17	0.8	1.3	1.1	2.4	3.3	0.6	1.1
18	1.0	1.2	0.4	3.3	4.7	0.2	0.7
19	0.5	0.7	0.6	2.4	1.4	0.5	0.2
20	1.0	0.9	0.8	1.0	3.0	0.2	0.3
21	2.1	2.1	0.4	2.5	3.1	0.7	0.5
22	2.1	2.8	1.4	2.3	3.7	0.4	0.5
23	1.9	1.2	2.2	5.4	4.6	0.7	2.0
24	3.2	1.9	1.8	7.8	8.5	0.6	0.9
25	1.5	1.9	1.1	4.2	4.9	1.0	1.2
26	0.6	0.8	0.9	1.9	1.5	0.8	1.3
27	1.0	0.7	0.7	2.2	2.4	0.7	1.0
28	1.3	1.0	1.0	2.2	2.4	1.3	1.0
29	1.3	1.0	1.7	2.2	1.4	1.1	0.8
30	0.2	0.1	0.2	2.0	1.7	1.0	0.9





LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

NOVEMBER 74

NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 08	N 09	N 10	N 16	N 18	N 19	N 20	N 26	N 27	N 28
1	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-
5	-	0.35	0.54	0.40	-	-	0.39	0.36	0.39	0.36	0.17
6	0.62	-	-	-	-	0.28	0.26	0.43	0.26	0.43	0.17
7	-	0.49	0.50	-	-	-	-	-	-	-	-
8	1.30	0.49	0.19	0.93	0.19	1.35	1.05	0.43	1.05	0.43	0.22
9	0.19	0.65	0.02	0.05	0.02	0.32	0.26	0.16	0.26	0.16	0.22
10	0.11	0.03	0.08	0.07	0.30	-	0.12	0.03	0.12	0.03	-
11	0.07	0.03	0.07	0.05	0.07	0.11	0.06	0.03	0.06	0.03	0.22
12	0.08	0.02	0.59	0.02	0.15	-	-	0.03	-	0.03	0.22
13	0.54	0.14	0.24	0.40	-	0.78-0.58	0.14	0.58	0.14	0.16	-
14	0.35	0.12	0.09	0.05	0.15	0.27	0.18	0.09	0.18	0.09	0.16
15	-	0.50	-	-	-	0.34	-	-	-	-	-
16	-	0.07	0.16	-	-	0.18	-	-	-	-	-
17	0.29	0.01	0.11	-	-	-	-	0.03	-	0.03	0.16
18	0.17	0.10	0.16	0.12	-	0.37	0.14	0.15	0.14	0.15	-
19	0.38	-	0.51	0.19	-	0.09	0.29	-	0.29	-	-
20	-	-	-	0.38	-	0.01	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-
23	0.69	-	-	0.88	-	-	0.70	-	0.70	-	-
24	0.89	0.34	0.62	0.45	0.41	0.60	0.25	0.26	0.25	0.26	0.49
25	0.35	-	0.30	0.27	-	0.52	0.16	0.79	0.16	0.79	0.49
26	-	-	0.42	-	0.45	0.72	0.19	-	0.19	-	-
27	0.45	0.26	0.14	0.19	0.32	-	0.10	0.43	0.10	0.43	-
28	-	-	-	-	-	-	0.16	-	0.16	-	-
29	-	-	-	-	-	-	-	-	-	-	0.03
30	-	-	-	-	-	-	-	-	-	-	0.03

AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 08	N 09	N 10	N 16	N 18	N 19	N 20	N 26	N 27	N 28
1	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-
5	-	0.30	0.00	-	-	-	0.25	0.39	0.25	0.39	0.09
6	0.30	-	-	-	-	0.29	0.16	0.72	0.16	0.72	0.09
7	-	0.51	0.56	-	-	-	-	-	-	-	-
8	1.55	0.58	0.00	0.99	0.04	1.29	1.10	0.14	1.10	0.14	0.05
9	0.15	0.58	0.01	0.09	0.30	0.33	0.18	0.04	0.18	0.04	0.05
10	0.12	0.02	0.01	0.28	0.26	-	0.09	0.05	0.09	0.05	-
11	0.10	0.04	0.07	0.11	0.22	0.13	0.05	0.06	0.05	0.06	0.05
12	0.08	0.02	0.07	0.02	0.09	-	-	0.02	-	0.02	0.05
13	0.80	0.08	0.14	0.33	-	0.61	0.40	0.04	0.40	0.04	0.03
14	0.46	0.05	0.09	0.47	0.09	0.21	0.18	0.02	0.18	0.02	0.03
15	-	0.37	-	-	-	0.26	-	-	-	-	-
16	-	0.04	0.18	-	-	0.02	-	-	-	-	-
17	0.17	0.02	0.02	-	-	-	-	0.02	-	0.02	0.03
18	0.13	0.09	0.25	0.08	-	0.31	0.08	0.19	0.08	0.19	-
19	0.20	-	0.44	0.05	-	0.02	0.16	-	0.16	-	-
20	-	-	-	0.02	-	0.02	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-
23	0.24	-	-	0.76	-	-	0.58	-	0.58	-	-
24	0.92	0.10	0.31	0.39	0.55	0.40	0.31	0.12	0.31	0.12	0.09
25	0.41	-	0.53	0.18	-	0.16	0.31	-	0.31	-	0.09
26	-	-	0.65	-	0.05	0.39	0.31	-	0.31	-	-
27	0.24	0.16	0.35	0.20	0.02	-	0.23	0.02	0.23	0.02	-
28	-	-	-	-	-	-	0.42	-	0.42	-	-
29	-	-	-	-	-	-	-	-	-	-	0.04
30	-	-	-	-	-	-	-	-	-	-	0.04

CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 10	N 19	N 26	N 28
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	0.25	0.14	0.14	0.09
6	0.20	-	0.14	0.14	0.09
7	-	-	-	-	-
8	0.21	0.14	0.12	0.12	0.04
9	0.09	0.07	0.08	0.08	0.04
10	0.10	0.21	0.11	0.11	-
11	0.26	0.24	0.18	0.18	0.04
12	0.13	0.19	-	-	0.04
13	0.18	0.12	0.09	0.09	0.03
14	0.17	0.22	0.08	0.08	0.03
15	-	-	-	-	-
16	-	-	-	-	-
17	0.18	-	-	-	0.03
18	0.04	0.12	0.07	0.07	-
19	0.06	0.12	0.05	0.05	-
20	-	-	-	-	-
21	-	-	-	-	-
22	-	-	-	-	-
23	0.20	-	0.11	0.11	-
24	0.21	0.16	0.08	0.08	0.08
25	0.11	0.08	0.08	0.08	0.08
26	-	-	0.15	0.15	-
27	0.09	0.36	0.05	0.05	-
28	-	-	0.11	0.11	-
29	-	-	-	-	0.07
30	-	-	-	-	0.07

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## NORWEGIAN INSTITUTE FOR AIR RESEARCH

## LRTAP GROUND SAMPLING STATIONS

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MONTHLY SUMMARY OF RESULTS - DECEMBER 1974

THE FOLLOWING STATIONS HAVE REPORTED RESULTS:

LIST OF STATIONS			LOCATIONS			
NR	CODE	NAME	FUNCTION	LAT.	LONG.	ALT.
1	N 01	BIRKENES	PA	58 23 N	8 15 E	190
2	N 03	FINSLAND	PA	58 19 N	7 35 E	275
3	N 05	GJERSTAD	P	58 53 N	8 57 E	240
4	N 06	LISTA	P	58 06 N	6 34 E	13
5	N 07	MANDAL	P	58 03 N	7 27 E	138
6	N 08	SKREADALEN	P	58 49 N	6 43 E	475
7	N 09	SØYLAND	PA	58 41 N	5 59 E	263
8	N 10	TOVDAL	P	58 48 N	8 14 E	227
9	N 14	SKEI I JØLSTER	P	61 34 N	6 29 E	205
10	N 15	TUSTERVATN	P	65 50 N	13 55 E	439
11	N 16	TAGMYRA	P	61 25 N	12 04 E	536
12	N 18	LØKEN	P	59 48 N	11 27 E	150
13	N 19	BISLINGEN	P	60 14 N	10 37 E	680
14	N 20	GRIMELID	P	60 08 N	9 36 E	367
15	N 22	VASSER	PA	59 04 N	10 26 E	35
16	N 23	LYNGØR	PA	58 38 N	9 08 E	20
17	N 24	FITJAR	P	59 55 N	5 19 E	20
18	N 25	HUMMELFJELL	A	62 27 N	11 16 E	1539
19	N 26	TREUNGEN	PA	59 01 N	8 31 E	300
20	N 27	VATNEDALEN	P	59 28 N	7 22 E	800
21	N 28	FILLEFJELL	P	60 11 N	8 07 E	956

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## AMOUNT OF PRECIPITATION(MM) IN NILU COLLECTORS

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	7.0	5.9	5.2	9.4	5.5	20.6	11.5	5.8	6.0	0.0	5.2	3.1	4.5	1.1	1.0	2.7	23.2	6.8	8.3	2.5
2	0.6	8.0	0.0	1.7	1.5	21.5	6.4	0.0	26.5	13.8	3.4	0.0	0.0	0.0	0.0	0.0	-	0.0	11.1	9.0
3	4.3	0.0	2.7	0.0	1.8	17.4	2.9	3.5	22.3	6.8	2.8	0.0	0.0	0.0	0.7	3.0	16.7	2.6	4.3	3.0
4	8.1	6.4	0.7	6.9	8.0	22.3	26.1	2.7	25.3	4.4	0.0	12.0	0.0	0.0	0.5	0.0	2.9	1.0	16.6	4.0
5	0.0	0.0	0.0	0.6	0.0	0.7	5.6	0.0	8.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5
6	2.3	5.2	3.7	9.2	5.5	9.8	30.9	3.1	12.0	1.0	2.9	2.9	4.1	3.5	6.2	2.1	23.1	3.9	5.9	4.3
7	0.0	0.0	0.0	0.4	0.0	2.0	3.7	0.0	3.2	5.1	0.0	0.0	0.0	0.0	0.0	0.5	3.3	0.0	0.0	0.0
8	0.3	1.7	0.0	4.6	1.9	11.3	2.9	0.0	13.8	3.5	0.0	0.0	0.0	0.0	0.0	0.5	4.6	0.0	4.3	0.0
9	0.2	3.5	0.0	1.5	3.1	10.9	5.6	0.0	39.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	17.4	1.4
10	5.4	10.5	4.3	8.3	6.8	21.5	14.5	3.1	1.1	0.1	2.6	0.0	3.4	3.1	2.9	4.3	15.9	1.3	5.2	0.2
11	0.6	0.6	1.7	0.6	0.0	8.8	7.0	0.4	7.3	3.4	0.0	0.0	0.0	0.0	0.0	0.3	6.0	0.0	1.6	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	3.6	8.0	0.0	4.3	9.5	14.7	14.8	1.9	16.1	1.4	4.2	9.6	0.0	0.0	0.3	0.5	23.2	0.0	3.7	0.0
14	0.0	2.2	0.0	1.6	3.5	18.0	11.9	0.0	23.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	8.9	0.0
15	0.0	1.6	0.0	6.3	3.4	9.9	6.8	0.0	0.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	1.0	0.0
16	18.3	21.5	17.3	12.2	14.5	23.8	24.7	10.8	0.0	0.0	9.4	4.0	7.2	12.5	7.8	7.5	14.0	10.8	4.3	7.0
17	0.0	0.0	0.0	0.4	0.4	1.8	5.9	0.0	10.3	0.0	0.8	1.3	0.0	4.5	0.0	0.0	6.4	0.0	0.0	0.5
18	0.0	0.0	0.0	3.5	0.4	1.8	7.0	0.0	7.0	0.4	0.0	0.0	0.0	1.1	0.0	0.0	4.0	0.0	0.0	3.5
19	8.9	18.6	2.2	8.7	15.3	35.9	21.5	7.7	4.4	0.0	7.3	3.4	2.2	0.0	4.1	1.7	26.1	4.0	17.1	4.0
20	0.0	4.6	0.0	0.0	3.1	20.1	3.8	0.0	13.2	7.6	0.0	6.1	0.0	0.0	0.0	0.0	4.8	1.0	6.0	0.0
21	3.3	9.2	0.0	6.4	13.8	24.0	10.5	0.3	8.3	14.5	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	8.0	0.8
22	9.4	20.6	0.6	5.9	12.1	27.4	15.9	3.6	18.7	8.3	0.0	1.0	0.0	0.0	0.5	0.0	4.6	0.9	15.2	5.0
23	3.1	3.2	1.0	0.0	1.1	8.0	6.4	1.9	1.1	2.5	0.9	0.0	6.2	1.3	0.0	0.0	6.2	1.7	1.5	0.0
24	7.0	6.7	2.9	1.6	7.3	13.6	11.0	3.5	13.2	0.6	0.0	9.2	0.0	0.4	4.1	4.0	10.8	3.2	5.3	0.0
25	12.3	15.6	4.3	9.5	13.8	27.1	27.2	4.6	6.7	2.5	4.3	6.1	6.6	0.0	4.3	5.3	5.7	4.7	9.5	2.0
26	0.0	0.0	0.0	0.0	0.0	2.7	3.8	0.0	8.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
27	9.6	5.7	6.9	10.2	14.5	11.6	5.4	5.0	0.0	1.0	0.0	7.7	0.0	7.8	1.0	6.4	8.6	6.3	5.2	1.0
28	0.3	4.0	0.0	2.2	1.3	35.7	18.8	2.1	10.1	0.0	5.0	0.0	2.6	0.0	0.7	2.0	7.8	2.0	16.2	6.0
29	0.0	0.0	0.0	3.9	0.0	7.6	15.6	0.0	2.7	0.0	3.9	0.0	0.0	0.0	0.0	0.0	3.5	0.0	1.5	0.0
30	3.8	4.1	0.0	1.5	1.6	10.4	9.9	4.5	5.1	0.0	0.0	1.3	1.7	3.1	0.0	0.0	18.1	3.0	5.1	7.0
31	3.4	5.3	2.5	15.3	11.4	16.6	24.7	1.9	28.5	5.3	4.2	8.3	2.3	0.0	3.0	2.6	19.1	1.0	5.5	10.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## OFFICIAL PRECIPITATION DATA (MM)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	-	7.0	4.5	8.5	5.7	19.1	11.5	5.6	6.0	0.0	5.1	-	-	0.8	-	2.6	21.5	-	-	2.5
2	-	7.8	0.0	1.2	2.4	19.5	6.4	0.0	26.0	17.8	4.2	-	-	0.0	-	0.0	3.0	-	-	9.0
3	-	0.0	2.6	0.0	2.4	17.6	3.1	3.2	20.5	9.5	2.9	-	-	0.0	-	2.5	15.0	-	-	3.0
4	-	14.0	0.8	6.2	9.5	19.8	26.2	2.5	25.0	5.1	0.0	-	-	0.0	-	0.2	4.0	-	-	4.0
5	-	0.0	0.0	0.6	0.0	0.8	5.5	0.0	8.5	1.4	0.0	-	-	0.0	-	0.0	0.5	-	-	0.5
6	-	4.6	4.0	8.8	5.9	9.0	30.9	3.0	12.0	1.2	3.1	-	-	3.1	-	2.8	22.0	-	-	4.3
7	-	0.0	0.0	0.3	0.1	2.1	3.7	0.0	3.3	6.4	0.0	-	-	0.0	-	0.6	3.5	-	-	0.0
8	-	1.7	0.0	4.8	3.2	10.4	3.0	0.1	13.4	4.4	0.0	-	-	0.0	-	0.5	5.0	-	-	0.0
9	-	3.6	0.0	1.0	5.8	9.2	5.5	0.0	44.7	1.2	0.0	-	-	0.0	-	0.0	9.5	-	-	1.4
10	-	11.0	4.0	7.7	7.5	21.3	14.5	3.0	2.0	0.4	2.9	-	-	2.8	-	5.0	14.5	-	-	0.2
11	-	0.5	2.2	1.9	0.0	7.5	7.0	0.5	8.7	4.0	0.0	-	-	0.0	-	0.4	7.5	-	-	0.0
12	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-	-	0.0	-	0.0	0.0	-	-	0.0
13	-	7.6	0.0	4.0	10.0	13.5	14.8	1.9	16.8	2.0	4.5	-	-	0.0	-	0.5	23.6	-	-	0.0
14	-	2.0	0.0	2.3	4.0	16.5	12.0	0.0	24.5	4.5	0.0	-	-	0.0	-	0.0	7.5	-	-	0.0
15	-	1.8	0.0	7.0	4.9	8.0	6.8	0.0	0.9	2.7	0.0	-	-	0.0	-	0.0	2.6	-	-	0.0
16	-	21.6	17.2	13.4	15.0	21.1	24.7	10.8	0.0	0.0	10.9	-	-	11.4	-	6.5	11.8	-	-	7.0
17	-	0.0	0.0	0.2	0.2	1.7	6.0	0.0	11.2	0.0	0.8	-	-	6.4	-	0.0	7.0	-	-	0.5
18	-	0.0	0.0	4.8	0.5	1.9	7.0	0.0	8.2	0.5	0.0	-	-	0.9	-	0.0	4.0	-	-	3.5
19	-	8.0	2.3	8.2	15.5	36.2	21.5	7.2	4.1	0.1	8.0	-	-	0.0	-	1.0	23.6	-	-	4.0
20	-	4.5	0.0	0.1	3.4	18.6	4.1	0.0	13.1	11.4	0.0	-	-	0.0	-	0.0	4.7	-	-	0.0
21	-	9.0	0.0	5.5	13.9	22.5	10.5	0.1	7.6	16.5	0.0	-	-	0.0	-	0.0	9.3	-	-	0.8
22	-	20.0	0.6	6.7	12.5	26.1	16.1	3.6	18.2	10.4	0.0	-	-	0.0	-	0.0	4.6	-	-	5.0
23	-	3.5	1.1	0.0	1.5	7.9	6.6	2.0	1.3	4.8	0.9	-	-	1.8	-	0.0	5.5	-	-	0.0
24	-	7.2	2.9	2.4	7.6	13.7	11.0	3.9	13.6	0.8	0.0	-	-	0.4	-	4.9	10.1	-	-	0.0
25	-	14.5	4.0	9.1	13.9	27.1	27.2	4.5	7.6	3.0	4.6	-	-	0.0	-	3.1	4.8	-	-	2.0
26	-	0.0	0.0	0.0	0.0	2.5	4.0	0.0	9.3	0.7	0.0	-	-	0.0	-	0.0	0.5	-	-	0.0
27	-	14.5	7.2	10.1	13.9	11.6	5.4	5.0	0.2	1.5	0.0	-	-	9.0	-	6.5	10.0	-	-	1.0
28	-	4.0	0.0	3.9	2.5	34.5	18.8	2.2	9.6	0.0	5.8	-	-	0.0	-	1.5	9.0	-	-	6.0
29	-	0.0	0.0	3.8	0.0	7.4	15.6	0.0	2.9	0.0	4.3	-	-	0.0	-	0.0	5.6	-	-	0.0
30	-	4.3	0.0	2.2	1.8	9.0	9.8	4.3	6.1	0.0	0.0	-	-	2.9	-	0.0	18.6	-	-	7.0
31	-	5.0	2.5	17.2	14.0	15.5	24.7	2.0	28.6	18.0	4.9	-	-	0.0	-	2.3	19.5	-	-	10.0

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## 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 18	N 19	N 20	N 22	N 23
1	0.09	0.18	0.07	0.20	0.20	0.06	0.46	0.07	0.07	-	0.04	0.04	0.05	0.02	0.36	1.01
2	-	0.27	-	3.77	0.89	0.58	0.79	-	0.43	0.13	0.03	-	-	-	-	-
3	0.18	-	0.17	-	0.76	0.17	0.36	0.16	0.20	0.40	0.05	-	-	-	2.64	2.95
4	0.08	0.11	0.44	2.13	0.56	0.28	0.63	0.17	0.53	0.03	-	0.08	-	-	3.28	-
5	-	-	-	2.16	-	1.15	1.18	-	0.03	0.04	-	-	-	-	-	-
6	0.05	0.01	0.02	0.29	0.03	0.02	0.03	0.03	0.31	0.04	0.05	0.02	0.06	0.01	0.29	2.65
7	-	-	-	2.30	-	0.14	0.21	-	0.07	0.08	-	-	-	-	-	2.34
8	-	0.23	-	0.34	0.27	0.44	0.36	-	0.30	0.06	-	-	-	-	-	2.40
9	-	0.86	-	11.09	2.25	0.73	1.08	-	0.10	0.20	-	-	-	-	-	-
10	0.28	0.35	0.11	4.01	0.96	0.29	1.05	0.21	0.24	0.22	0.08	-	0.03	0.03	2.97	4.07
11	0.28	0.31	0.02	4.49	-	0.14	2.35	0.25	0.17	0.05	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	0.24	0.21	-	3.49	0.63	0.17	0.44	0.25	0.05	0.02	0.02	0.22	-	-	5.70	10.23
14	-	0.58	-	5.11	0.64	0.28	0.65	-	0.10	0.04	-	-	-	-	-	-
15	-	0.39	-	0.85	0.25	0.02	0.26	-	0.26	0.03	-	-	-	-	-	-
16	0.16	0.09	0.08	2.97	0.68	0.08	0.48	0.10	-	-	0.02	0.13	0.04	0.01	1.78	8.56
17	-	-	-	2.04	0.26	0.05	0.15	-	0.06	-	0.07	0.11	-	0.01	-	-
18	-	-	-	1.69	0.31	0.20	0.28	-	0.53	0.08	-	-	-	0.02	-	-
19	0.13	0.18	0.12	2.25	0.32	0.10	0.31	0.10	0.09	-	0.02	0.05	0.13	-	0.74	9.38
20	-	0.56	-	-	1.98	0.19	0.81	-	0.54	0.03	-	0.05	-	-	-	-
21	0.22	0.18	-	2.49	0.29	0.20	0.23	0.30	0.53	0.05	-	-	-	-	-	-
22	0.05	0.08	0.22	3.60	0.78	0.20	0.31	0.05	0.12	0.05	-	0.20	-	-	20.40	60.48
23	0.25	0.18	0.38	-	0.99	0.18	0.55	0.30	0.37	1.36	0.20	-	0.05	0.10	-	-
24	0.38	0.34	0.31	5.47	0.65	0.27	0.41	0.18	0.16	0.91	-	0.08	-	0.14	0.72	8.08
25	0.19	0.24	0.19	2.25	0.44	0.12	0.28	0.20	0.15	0.05	0.05	0.10	0.03	-	1.39	10.49
26	-	-	-	-	-	0.17	0.42	-	0.13	0.04	-	-	-	0.06	-	-
27	0.03	0.03	0.07	0.50	0.27	0.06	0.14	0.05	-	0.22	-	0.02	-	0.01	0.25	1.21
28	-	0.18	-	8.83	1.73	0.23	1.00	0.03	0.17	-	0.01	-	0.02	-	0.10	1.77
29	-	-	-	2.58	-	0.33	0.57	-	0.32	-	0.01	-	-	-	-	-
30	0.43	0.30	-	2.50	0.70	0.09	0.62	0.11	0.10	-	-	0.05	0.09	0.02	-	-
31	0.23	0.03	0.18	0.47	0.12	0.80	0.79	0.05	0.39	0.53	0.02	0.02	0.02	-	1.04	2.16

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## MAGNESIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	1.65	0.04	0.02	0.03	0.04
2	0.77	0.14	-	0.09	0.04
3	0.25	0.09	0.06	0.09	0.05
4	3.03	0.08	0.04	0.07	0.05
5	3.26	0.38	-	-	0.05
6	0.12	-	0.02	0.01	0.05
7	0.23	-	-	-	-
8	0.55	0.06	-	0.28	-
9	1.98	0.13	-	0.19	0.03
10	-	0.10	0.10	0.06	0.03
11	2.08	0.33	-	0.02	-
12	-	-	-	-	-
13	0.40	-	-	0.09	-
14	1.34	-	-	0.07	-
15	0.22	-	-	0.28	-
16	0.30	-	0.03	0.03	0.03
17	0.11	-	-	-	0.05
18	0.69	-	-	-	0.05
19	0.22	0.28	0.03	0.02	0.05
20	1.38	0.10	0.04	0.09	-
21	0.29	0.19	-	0.25	0.05
22	0.59	0.06	0.05	0.07	0.05
23	0.39	0.11	0.18	0.19	-
24	0.70	0.07	0.14	0.12	-
25	0.86	0.07	0.14	0.09	0.05
26	1.91	0.90	-	-	-
27	0.20	-	0.03	0.03	0.05
28	1.12	0.26	0.03	0.02	0.06
29	1.79	0.06	-	0.18	-
30	0.32	0.41	0.12	0.02	0.06
31	0.24	0.35	0.04	0.04	0.06

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	1.6	2.0	2.3	0.9	2.4	1.1	1.4	1.2	0.5	-	0.8	4.1	2.9	0.7	6.7	3.7
2	-	5.1	-	0.0	3.7	0.4	1.1	-	0.2	0.2	1.1	-	-	-	-	-
3	4.4	-	5.6	-	5.9	2.8	5.1	5.4	0.6	0.0	5.1	-	-	-	12.5	7.2
4	1.0	1.9	11.1	2.5	3.6	0.6	1.1	2.8	0.1	0.2	-	3.3	-	-	4.9	-
5	-	-	-	0.7	-	0.5	0.8	-	0.1	0.5	-	-	-	-	-	-
6	0.6	0.3	1.2	0.1	2.2	0.3	0.1	0.5	0.1	0.2	1.4	0.3	2.6	0.1	0.7	2.4
7	-	-	-	1.7	-	0.6	0.8	-	0.3	0.0	-	-	-	-	-	5.6
8	-	1.5	-	0.8	2.4	0.9	1.5	-	0.1	0.0	-	-	-	-	-	5.2
9	-	0.9	-	0.0	1.0	0.3	0.7	-	0.0	0.0	-	-	-	-	-	-
10	0.6	0.5	0.8	2.4	0.8	0.6	0.7	1.2	0.2	0.0	1.9	-	0.8	0.4	3.3	2.0
11	0.8	0.4	0.1	2.9	-	0.2	0.5	2.9	0.0	0.2	-	-	-	-	-	30.0
12	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-
13	1.0	1.2	-	2.0	1.7	0.8	1.3	1.6	0.0	0.1	0.4	2.5	-	-	11.4	3.0
14	-	0.3	-	2.4	0.5	0.0	0.1	-	0.0	0.2	-	-	-	-	-	-
15	-	0.2	-	0.3	0.2	0.1	0.0	-	0.7	0.2	-	-	-	-	-	-
16	0.7	0.0	0.9	1.8	1.0	0.1	0.3	0.7	-	-	1.0	2.1	2.2	0.3	1.1	2.0
17	-	-	-	1.1	0.4	0.0	0.0	-	0.5	-	1.2	1.3	-	0.4	-	-
18	-	-	-	1.0	1.0	0.3	0.3	-	0.4	3.6	-	-	-	0.3	-	-
19	1.4	1.0	1.2	1.2	1.4	0.5	0.9	1.6	0.7	-	0.1	1.2	3.5	-	2.2	3.2
20	-	1.7	-	-	3.5	0.4	1.6	-	0.0	0.1	-	1.4	-	-	-	-
21	3.3	2.2	-	2.2	2.1	2.1	2.2	6.0	0.8	0.0	-	-	-	-	-	-
22	1.7	1.6	2.1	2.2	3.9	1.2	2.7	1.7	0.6	0.0	-	3.9	-	-	22.3	0.0
23	9.2	6.4	8.2	-	11.6	4.6	5.6	9.9	4.3	3.3	4.4	-	4.2	3.1	-	-
24	6.3	3.8	6.0	3.4	3.6	1.8	1.7	4.9	0.7	1.0	-	5.7	-	2.9	7.9	0.0
25	1.7	1.0	2.0	1.3	1.5	0.6	1.2	2.6	0.6	0.9	1.5	1.0	1.6	-	2.4	9.6
26	-	-	-	-	-	1.3	1.4	-	0.6	0.5	-	-	-	1.4	-	-
27	0.7	0.5	0.5	2.0	2.0	0.6	2.0	0.8	-	1.0	-	1.0	-	0.1	1.4	2.3
28	-	0.7	-	2.3	1.9	0.7	0.9	0.5	0.5	-	0.9	-	0.9	-	3.2	3.4
29	-	-	-	1.5	-	0.0	0.6	-	1.0	-	0.7	-	-	-	-	-
30	1.4	0.9	-	0.9	1.4	0.0	0.7	0.4	0.2	-	-	1.4	2.8	0.6	-	-
31	1.3	0.7	1.9	1.0	1.5	0.3	0.6	0.8	0.4	0.7	0.3	1.0	0.9	-	2.2	4.2

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## SULPHATE IN PRECIPITATION (MILLIGRAMS PER LITER), CORRECTED FOR SEASPRAY.

DATE	N 24	N 25	N 26	N 27	N 28
1	0.0	4.0	0.4	1.9	0.2
2	1.8	1.5	-	1.9	0.2
3	1.0	2.7	3.8	2.5	0.2
4	0.7	2.8	2.2	0.5	0.2
5	1.8	0.7	-	-	0.2
6	0.3	-	0.1	0.1	0.2
7	0.6	-	-	-	-
8	0.7	1.5	-	0.5	-
9	0.4	0.8	-	0.2	0.2
10	1.6	2.2	0.5	0.2	0.2
11	0.5	0.7	-	0.1	-
12	-	-	-	-	-
13	0.7	-	-	0.3	-
14	0.4	-	-	0.3	-
15	0.4	-	-	0.8	-
16	0.3	-	0.5	0.2	0.2
17	0.4	-	-	-	0.3
18	1.0	-	-	-	0.3
19	0.7	3.6	0.8	0.1	0.3
20	1.3	2.8	0.4	0.7	-
21	1.9	3.8	-	2.0	0.3
22	1.6	2.1	1.2	0.6	0.3
23	2.8	4.1	9.7	4.1	-
24	3.0	7.8	3.9	1.7	-
25	1.8	1.4	3.9	0.1	0.3
26	3.1	1.7	-	-	-
27	0.6	-	1.0	0.2	0.3
28	0.5	2.5	0.7	0.1	0.5
29	0.8	1.7	-	0.0	-
30	0.5	5.4	0.6	0.1	0.5
31	0.5	1.4	1.1	0.1	0.5



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## PH IN PRECIPITATION

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23
1	4.35	4.65	5.20	4.65	4.80	4.80	5.40	4.90	5.00	-	4.70	4.25	5.50	5.80	4.55	4.05
2	-	4.00	-	4.95	4.60	5.05	5.30	-	5.00	5.10	5.10	-	-	-	-	-
3	3.85	-	4.20	-	3.50	4.25	4.15	4.10	5.75	5.15	4.90	-	-	-	3.75	3.60
4	4.80	4.50	6.50	4.55	4.35	5.10	4.95	5.90	5.10	5.30	-	4.15	-	-	4.05	-
5	-	-	-	5.10	-	5.00	5.20	-	5.95	4.95	-	-	-	-	-	-
6	4.60	6.05	5.40	5.30	5.40	5.50	5.65	5.30	5.20	5.50	5.75	4.70	4.60	5.20	5.40	4.75
7	-	-	-	4.95	-	5.80	5.50	-	6.15	5.20	-	-	-	-	-	4.40
8	-	6.20	-	5.00	5.45	5.05	5.60	-	5.65	5.50	-	-	-	-	-	-
9	-	5.40	-	5.35	4.80	5.25	5.75	-	5.70	5.60	-	-	-	-	-	-
10	4.90	5.45	5.00	4.95	4.95	5.15	5.35	4.75	6.75	-	5.55	-	6.45	4.70	4.40	5.35
11	4.65	6.05	5.30	5.85	-	5.45	5.55	6.40	5.60	5.35	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	4.55	4.65	-	4.40	4.40	4.75	4.80	5.20	6.15	5.50	5.20	4.30	-	-	4.50	6.20
14	-	6.00	-	5.05	5.20	5.20	5.45	-	6.00	5.40	-	-	-	-	-	-
15	-	5.20	-	5.30	5.65	5.55	5.75	-	7.15	5.40	-	-	-	-	-	-
16	4.70	4.95	5.05	4.85	4.75	5.20	5.65	5.20	-	-	4.60	4.35	5.75	4.65	4.55	5.10
17	-	-	-	6.20	5.70	6.00	5.55	-	6.45	-	5.15	4.70	-	4.75	-	-
18	-	-	-	4.60	5.10	5.20	5.00	-	5.95	3.95	-	-	-	4.95	-	-
19	4.55	4.60	5.20	4.55	4.60	4.80	4.75	4.95	5.90	-	5.25	4.85	6.10	-	4.75	4.50
20	-	4.50	-	-	4.20	4.95	5.10	-	5.45	5.20	-	4.60	-	-	-	-
21	4.25	4.20	-	4.45	4.45	4.20	4.40	5.50	4.80	5.15	-	-	-	-	-	-
22	4.55	4.40	4.65	4.35	4.35	4.50	4.40	5.00	5.95	5.20	-	4.45	-	-	4.20	5.60
23	3.85	3.85	5.90	-	3.75	4.00	4.35	3.90	5.05	4.45	5.70	-	4.50	4.10	-	-
24	4.05	4.05	4.15	4.30	4.20	4.30	4.55	4.20	6.10	4.85	-	4.00	-	-	3.80	3.85
25	4.55	4.50	5.10	4.50	4.50	4.70	4.55	4.55	6.35	5.30	4.90	4.45	4.70	-	4.70	3.95
26	-	-	-	-	-	4.70	4.75	-	6.50	5.70	-	-	-	4.20	-	-
27	4.85	4.90	4.90	4.30	4.40	4.65	5.90	4.65	-	5.30	-	4.95	-	4.95	4.40	4.80
28	-	5.90	-	4.60	4.40	5.15	5.20	5.15	5.60	-	5.00	-	6.10	-	5.75	5.40
29	-	-	-	5.65	-	5.10	5.30	-	6.25	-	5.30	-	-	-	-	-
30	6.35	5.05	-	4.90	5.25	5.15	5.55	4.75	5.90	-	-	5.95	4.45	5.70	-	-
31	5.60	5.55	4.70	4.70	4.55	4.90	5.05	4.90	5.25	5.10	4.85	4.90	4.95	-	4.40	4.55

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## PH IN PRECIPITATION

DATE	N 24	N 25	N 26	N 27	N 28
1	6.50	4.10	4.85	4.95	4.70
2	4.45	4.90	-	5.15	4.70
3	4.90	4.40	4.05	4.30	5.55
4	6.45	4.45	4.10	5.35	5.55
5	-	6.10	-	-	5.55
6	5.55	-	5.10	5.30	5.55
7	5.85	-	-	-	-
8	5.55	4.45	-	5.10	-
9	5.85	5.00	-	5.40	4.85
10	-	4.50	4.75	5.35	4.85
11	5.45	6.05	-	6.10	-
12	-	-	-	-	-
13	4.80	-	-	5.20	-
14	5.40	-	-	5.40	-
15	5.75	-	-	6.75	-
16	5.35	-	4.85	5.50	4.85
17	5.15	-	-	-	5.00
18	4.80	-	-	-	5.00
19	4.70	6.95	4.65	5.25	5.00
20	4.70	6.10	4.15	5.75	-
21	4.45	5.80	-	4.50	5.00
22	4.65	5.35	4.30	4.70	5.00
23	4.25	6.45	3.75	3.90	-
24	4.20	4.00	4.10	4.60	-
25	4.35	4.60	4.10	4.95	5.00
26	6.50	5.95	-	-	-
27	4.90	-	4.55	4.85	5.00
28	5.30	5.00	4.40	5.25	5.00
29	5.25	4.60	-	5.50	-
30	5.20	-	4.65	5.55	5.00
31	5.40	6.15	4.65	5.50	5.00



## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS 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 18	N 19	N 20	N 22	N 23
1	52	20	-6	25	18	16	0	5	8	-	24	56	7	-3	28	10
2	-	119	-	8	30	8	0	-	-2	8	4	-	-	-	-	-
3	164	-	63	-	315	56	74	97	-32	3	20	-	-	-	180	248
4	15	37	-	33	45	13	12	-188	0	-1	-	71	-	-	89	-
5	-	-	-	8	-	10	8	-	-51	11	-	-	-	-	-	-
6	28	-15	-2	8	6	0	1	0	1	0	-19	21	16	-3	4	26
7	-	-	-	11	-	-10	0	-	-82	7	-	-	-	-	-	40
8	-	-36	-	9	36	8	0	-	-14	0	-	-	-	-	-	-
9	-	-2	-	3	18	6	-12	-	-16	0	-	-	-	-	-	-
10	10	1	7	14	11	6	5	8	-	-	-29	-	-232	14	48	-19
11	28	-	4	-	-	-3	-5	-	-8	-4	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	22	24	-	40	40	13	17	-10	-59	-8	0	50	-	-	32	-10
14	-	-46	-	9	8	2	-1	-	-45	-2	-	-	-	-	-	-
15	-	5	-	4	3	-11	-8	-	-	0	-	-	-	-	-	-
16	17	5	1	10	25	-2	-8	-9	-	-	24	54	-50	15	31	17
17	-	-	-	-	0	-34	-5	-	-102	-	-	20	-	17	-	-
18	-	-	-	25	8	2	8	-	-30	112	-	-	-	11	-	-
19	27	22	-22	36	31	12	18	2	-15	-	3	32	-86	-	38	36
20	-	24	-	-	63	12	8	-	-12	1	-	31	-	-	-	-
21	64	50	-	35	35	63	40	0	19	-1	-	-	-	-	-	-
22	30	30	22	45	45	24	27	4	-24	1	-	35	-	-	63	0
23	163	121	-4	-	180	100	45	126	9	35	0	-	30	80	-	-
24	108	81	71	50	63	50	18	71	-53	14	-	100	-	-	135	150
25	30	27	-13	36	35	15	24	29	-110	2	7	35	15	-	15	100
26	-	-	-	-	-	20	15	-	-181	0	-	-	-	63	-	-
27	14	7	9	50	40	15	-4	19	-	4	-	8	-	7	40	8
28	-	-18	-	28	40	2	1	0	-6	-	7	-	-22	-	-2	-2
29	-	-	-	-10	-	-4	-2	-	-114	-	-13	-	-	-	-	-
30	-54	4	-	13	4	1	-10	6	-37	-	-	-5	45	-10	-	-
31	-19	-5	11	17	23	9	-2	8	0	6	7	14	4	-	45	25

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## STRONG ACID IN PRECIPITATION (MICROEQUIVALENTS PER LITER)

DATE	N 24	N 25	N 26	N 27	N 28
1	-90	80	14	7	11
2	42	16	-	5	11
3	14	40	105	50	8
4	-86	35	92	-5	8
5	-	-42	-	-	8
6	-2	-	5	2	8
7	-17	-	-	-	-
8	-2	35	-	8	-
9	-11	12	-	3	15
10	-	28	21	-2	15
11	-12	-7	-	-	-
12	-	-	-	-	-
13	9	-	-	-24	-
14	0	-	-	-10	-
15	-8	-	-	-	-
16	0	-	12	-9	15
17	2	-	-	-	10
18	19	-	-	-	10
19	15	-	22	-3	10
20	21	-64	71	-29	-
21	39	-3	-	30	10
22	16	-4	56	13	10
23	64	-	218	125	-
24	63	100	86	21	-
25	45	26	86	12	10
26	-	-5	-	-	-
27	13	-	27	10	10
28	2	10	36	0	11
29	4	25	-	-2	-
30	2	-	21	-16	11
31	1	-9	30	-8	11

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

SO2 IN AIR ( MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	1	1	1	24	4	7	12
2	1	1	1	2	1	2	2
3	4	4	1	3	3	2	2
4	2	2	1	3	2	2	1
5	1	2	1	5	3	2	1
6	1	2	1	4	1	1	1
7	-	2	1	20	2	1	1
8	2	1	1	18	3	1	1
9	2	1	1	14	2	1	2
10	1	1	1	2	2	1	1
11	1	1	1	2	2	1	1
12	1	1	1	2	1	2	1
13	1	1	2	3	1	3	1
14	1	1	1	2	2	3	1
15	18	2	1	30	1	2	1
16	1	3	1	15	1	6	2
17	7	2	1	10	1	2	1
18	1	2	20	7	2	15	1
19	1	2	3	4	24	27	1
20	18	2	2	15	23	36	28
21	32	1	7	27	10	27	1
22	2	1	1	4	7	24	1
23	2	2	3	32	17	2	1
24	2	1	2	21	36	4	1
25	14	1	1	3	25	2	1
26	1	1	1	10	4	2	1
27	1	2	1	12	6	2	1
28	4	2	3	11	4	2	1
29	1	2	2	16	1	2	1
30	2	1	2	7	4	5	4
31	1	1	3	9	1	2	2

LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

SULPHATE COLLECTED ON FILTER (MICROGRAMS PER M3)

DATE	N 01	N 03	N 09	N 22	N 23	N 25	N 26
1	-	0.7	1.3	6.4	3.3	0.9	1.0
2	0.1	0.7	0.0	1.6	1.9	0.0	0.2
3	0.1	0.9	0.9	2.3	2.4	0.1	0.3
4	0.1	0.5	1.4	2.7	2.4	0.0	0.3
5	0.0	0.3	0.2	0.9	0.5	0.4	0.3
6	0.0	0.2	0.4	1.5	0.7	0.1	0.3
7	0.2	0.4	0.5	6.8	3.2	0.1	0.0
8	0.8	0.7	0.9	4.1	2.7	0.1	0.7
9	0.6	0.5	0.2	1.0	1.7	0.2	0.8
10	0.4	0.3	0.2	1.9	1.1	0.0	0.6
11	0.3	0.4	0.6	0.4	0.4	0.2	0.1
12	0.2	0.2	0.2	2.5	0.2	0.2	0.1
13	0.7	0.7	0.6	0.4	1.2	0.1	0.2
14	0.7	-	0.5	0.9	1.6	0.0	0.5
15	0.3	0.2	0.5	3.3	0.4	0.1	0.0
16	0.5	0.1	0.1	2.5	3.5	0.1	0.3
17	0.3	0.2	0.1	2.3	0.5	0.2	0.3
18	0.8	0.6	0.7	1.7	0.7	0.1	0.5
19	0.9	0.5	0.7	1.8	1.4	0.3	0.2
20	0.9	0.9	1.2	1.7	2.2	0.0	0.2
21	2.9	3.8	0.8	4.6	5.9	0.1	2.0
22	1.1	2.3	2.5	1.0	5.4	0.2	1.3
23	1.4	3.9	3.3	4.0	8.4	0.4	2.6
24	1.5	3.0	2.2	8.7	7.7	0.0	3.2
25	0.2	1.3	0.7	2.0	3.1	0.0	0.7
26	0.4	0.3	0.9	1.6	1.4	0.0	0.3
27	0.7	0.7	0.0	0.9	1.6	0.1	0.5
28	1.0	0.5	0.3	2.5	1.5	0.1	0.7
29	0.2	0.3	0.1	3.5	0.9	0.7	0.3
30	0.5	0.4	1.8	1.6	1.9	0.1	0.7
31	0.7	0.9	1.7	2.5	2.0	0.0	0.3

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## PRECIPITATED SULPHATE (MILLIGRAMS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	11	12	12	9	13	22	17	7	3	0	4	13	13	1	6	10	0	3	16	1
2	-	41	0	0	5	9	7	0	4	3	4	0	0	0	0	0	-	0	21	2
3	19	0	15	0	11	49	16	19	14	0	14	0	0	0	9	22	16	10	11	1
4	8	12	8	17	29	14	28	8	2	1	0	40	0	0	2	0	2	2	8	1
5	0	0	0	0	0	0	5	0	1	1	0	0	0	0	0	0	1	0	0	0
6	1	1	4	1	12	3	3	2	1	0	4	1	10	0	5	5	8	0	1	1
7	0	0	0	1	0	1	3	0	1	0	0	0	0	0	0	3	2	0	0	0
8	-	2	0	4	5	10	4	-	2	0	0	0	0	0	0	2	3	0	2	0
9	-	3	0	0	3	3	4	0	0	0	0	0	0	0	0	0	4	0	4	0
10	3	5	4	20	6	13	10	4	0	0	5	0	3	1	10	9	26	1	1	0
11	0	0	0	2	0	1	4	1	0	1	0	0	0	0	0	9	3	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	4	10	0	9	16	12	20	3	1	0	2	24	0	0	4	2	15	0	1	0
14	0	1	0	4	2	0	2	0	0	1	0	0	0	0	0	0	3	0	3	0
15	0	0	0	2	1	1	0	0	1	1	0	0	0	0	0	0	1	0	1	0
16	13	0	15	21	14	3	9	7	0	0	9	9	16	3	8	15	4	6	1	2
17	0	0	0	0	0	0	0	0	5	0	1	2	0	2	0	0	2	0	0	0
18	0	0	0	3	0	1	2	0	3	2	0	0	0	0	0	0	4	0	0	1
19	12	18	3	10	22	19	18	12	3	-	1	4	8	0	9	5	19	3	2	1
20	0	8	0	0	11	7	7	0	0	1	0	9	0	0	0	0	6	0	4	0
21	11	20	0	14	29	51	23	2	7	1	0	0	0	0	0	0	19	0	16	0
22	16	34	1	13	47	34	43	6	12	0	0	4	0	0	11	0	7	1	9	2
23	29	20	8	0	13	37	37	19	5	16	4	0	26	4	0	0	17	16	6	0
24	44	26	17	6	26	25	19	17	9	1	0	52	0	1	32	0	33	12	9	0
25	21	16	9	12	20	18	33	12	4	3	7	6	10	0	10	51	10	18	1	1
26	0	0	0	0	0	4	5	0	5	0	0	0	0	0	0	0	2	0	0	0
27	7	3	3	20	29	7	11	4	0	2	0	8	0	1	1	14	5	6	1	0
28	-	3	0	5	2	26	17	1	5	0	4	0	2	0	2	7	4	1	2	3
29	0	0	0	6	0	0	10	0	3	0	3	0	0	0	0	0	3	0	0	0
30	5	4	0	1	2	0	6	2	1	0	0	2	5	2	0	0	10	2	1	3
31	4	4	5	15	18	5	15	2	11	13	1	8	2	0	7	11	10	1	0	5

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## PRECIPITATED ACID (MICROEQUIVALENTS PER M2)

DATE	N 01	N 03	N 05	N 06	N 07	N 08	N 09	N 10	N 14	N 15	N 16	N 18	N 19	N 20	N 22	N 23	N 24	N 26	N 27	N 28
1	364	118	-31	236	100	330	0	29	48	0	125	175	32	-3	27	27-2091	95	58	28	
2	-	947	0	13	44	172	0	0	-53	142	13	0	0	0	0	0	-	0	56	99
3	710	0	172	0	582	973	229	340	-715	29	55	0	0	0	126	750	234	271	213	24
4	122	236	-	227	358	290	314	-515	0	-5	0	854	0	0	42	0	-246	91	-83	32
5	0	0	0	5	0	7	44	0	-442	15	0	0	0	0	0	0	-	0	0	4
6	64	-77	-7	74	33	0	31	0	12	0	-54	60	65	-10	25	55	-46	20	12	34
7	0	0	0	4	0	-20	0	0	-266	45	0	0	0	0	0	19	-57	0	0	0
8	-	-60	0	41	69	91	0	-	-193	0	0	0	0	0	0	-	-9	0	34	0
9	-	-7	0	4	55	66	-66	0	-633	0	0	0	0	0	0	0	-114	0	52	21
10	54	11	30	116	75	129	73	25	-	-	-76	0	-798	43	141	-82	-	28	-10	3
11	16	-	7	-	0	-27	-35	-	-59	-16	0	0	0	0	0	-	-73	0	-	0
12	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
13	80	191	0	171	379	191	252	-19	-950	-16	0	481	0	0	10	-5	209	0	-89	0
14	0	-102	0	14	28	36	-12	0	-1040	-9	0	0	0	0	0	0	0	0	-89	0
15	0	8	0	25	10	-109	-54	0	-	0	0	0	0	0	0	0	-20	0	-	0
16	311	107	17	122	361	-48	-198	-97	0	0	225	217	-360	187	241	128	0	130	-38	105
17	0	0	0	-	0	-63	-30	0	-1052	0	-	27	0	77	0	0	13	0	0	5
18	0	0	0	88	4	4	56	0	-210	56	0	0	0	13	0	0	76	0	0	35
19	241	409	-48	312	476	431	387	15	-66	-	22	108	-192	0	157	60	392	88	-51	40
20	0	110	0	0	193	241	33	0	-159	11	0	189	0	0	0	0	100	68	-175	0
21	212	462	0	223	484	1512	420	0	158	-17	0	0	0	0	0	0	375	0	239	8
22	282	617	13	266	544	657	435	15	-448	10	0	36	0	0	30	0	74	52	197	50
23	508	385	-4	0	195	802	297	241	10	168	0	0	187	107	0	0	397	368	183	0
24	756	547	203	81	461	681	198	249	-702	11	0	923	0	-	550	602	682	274	112	0
25	368	421	-56	344	484	406	653	133	-735	6	30	214	98	0	65	535	258	405	114	20
26	0	0	0	0	0	55	60	0	-1556	0	0	0	0	0	0	0	-	0	0	0
27	135	40	62	512	581	174	-22	94	0	6	0	62	0	55	38	51	112	170	52	10
28	-	-72	0	62	51	71	19	0	-60	0	35	0	-57	0	-1	-4	16	73	0	66
29	0	0	0	-39	0	-31	-31	0	-312	0	-50	0	0	0	0	0	14	0	-3	0
30	-206	17	0	19	6	10	-98	27	-188	0	0	-7	77	-31	0	0	36	64	-81	77
31	-64	-27	27	261	262	149	-49	15	0	108	29	116	9	0	136	65	19	30	-44	110

## LONG RANGE TRANSPORT OF AIR POLLUTANTS, FINAL DATA

DECEMBER 74

## NITRATE IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 08	N 09	N 10	N 16	N 18	N 26	N 27	N 28
1	0.32	0.09	0.09	0.20	0.20	0.75	0.12	0.10	0.03
2	-	0.05	0.07	-	0.20	-	-	0.01	0.03
3	0.93	0.32	-	0.50	0.29	-	-	0.22	0.06
4	0.21	0.03	0.10	2.09	-	0.33	-	0.03	0.06
5	-	0.01	0.03	-	-	-	-	-	0.06
6	0.14	0.02	0.02	0.10	0.12	0.03	0.05	0.01	0.06
7	-	0.05	0.10	-	-	-	-	-	-
8	-	0.08	0.06	-	-	-	-	0.07	-
9	-	0.02	0.03	-	-	-	-	0.01	0.09
10	0.09	0.01	0.01	0.02	0.28	-	-	0.01	0.09
11	-	0.01	0.01	0.01	-	-	-	0.01	0.09
12	-	-	-	-	-	-	-	-	0.09
13	0.18	0.01	0.20	0.01	0.15	0.35	-	0.01	-
14	-	0.01	0.01	-	-	-	-	0.01	-
15	-	0.01	0.03	-	-	-	-	0.05	-
16	0.13	0.03	0.06	0.01	0.19	0.40	0.11	0.08	0.09
17	-	0.06	0.03	-	0.18	0.12	-	-	0.06
18	-	0.26	0.16	-	-	-	-	-	0.06
19	0.17	0.06	0.12	0.09	0.08	0.17	0.11	0.02	0.06
20	-	0.06	0.26	-	-	0.18	-	0.08	-
21	0.40	0.22	0.27	0.51	-	-	-	0.20	0.06
22	0.15	0.08	0.27	0.09	-	0.36	-	0.06	0.06
23	1.22	0.82	0.96	1.78	0.88	-	-	0.56	-
24	1.35	0.27	0.26	0.70	-	1.08	-	0.21	-
25	0.28	0.05	0.16	0.49	0.44	0.26	0.60	0.08	0.06
26	-	0.10	0.01	-	-	-	-	-	-
27	0.13	0.06	0.14	0.23	-	0.19	0.19	0.10	0.06
28	-	0.01	0.05	0.11	0.08	-	-	0.01	0.05
29	-	0.01	0.02	-	0.07	-	-	0.01	-
30	-	0.01	0.03	0.05	-	0.21	-	0.01	0.05
31	0.13	0.01	0.03	-	0.07	0.05	-	0.01	0.05

## AMMONIUM IN PRECIPITATION (MILLIGRAMS N PER LITER)

DATE	N 01	N 08	N 09	N 10	N 16	N 18	N 26	N 27	N 28
1	0.16	0.11	0.12	0.26	0.05	0.70	0.12	0.02	0.04
2	-	0.11	0.16	-	0.20	-	-	0.02	0.04
3	0.51	0.16	-	0.35	0.02	-	-	0.07	0.06
4	0.04	0.02	0.16	1.29	-	0.11	-	0.05	0.06
5	-	0.02	0.05	-	-	-	-	-	0.06
6	0.07	0.04	0.02	0.10	0.18	0.02	0.03	0.02	0.06
7	-	0.18	0.33	-	-	-	-	-	-
8	-	0.12	0.02	-	-	-	-	0.06	-
9	-	0.02	0.02	-	-	-	-	0.02	0.02
10	0.05	0.02	0.02	0.04	0.61	-	-	0.14	0.02
11	-	0.04	0.02	0.02	-	-	-	0.02	0.02
12	-	-	-	-	-	-	-	-	0.02
13	0.11	0.02	0.19	0.02	0.16	0.26	-	0.30	-
14	-	0.02	0.02	-	-	-	-	0.07	-
15	-	0.08	0.02	-	-	-	-	3.92	-
16	0.11	0.04	0.10	0.02	0.11	0.21	0.01	0.12	0.02
17	-	0.25	0.02	-	0.02	0.04	-	-	0.04
18	-	0.25	0.12	-	-	-	-	-	0.04
19	0.11	0.04	0.13	0.10	0.05	0.07	0.07	0.02	0.04
20	-	0.04	0.27	-	-	0.11	-	0.19	-
21	0.33	0.11	0.02	0.61	-	-	-	0.23	0.04
22	0.18	0.08	0.37	0.24	-	0.39	-	0.02	0.04
23	1.15	0.16	0.35	2.51	1.54	-	-	0.37	-
24	1.35	0.18	0.22	1.11	-	1.04	-	0.32	-
25	0.21	0.02	0.02	0.58	0.51	0.04	0.56	0.02	0.04
26	-	0.12	0.02	-	-	-	-	-	-
27	0.08	0.02	0.02	0.08	-	0.26	0.10	0.05	0.04
28	-	0.07	0.02	0.02	0.04	-	-	0.02	0.03
29	-	0.11	0.02	-	0.33	-	-	0.02	-
30	-	0.02	0.02	0.12	-	0.58	-	0.11	0.03
31	0.11	0.02	0.02	-	0.02	0.16	-	0.05	0.03

## CALCIUM IN PRECIPITATION (MILLIGRAMS PER LITER)

DATE	N 01	N 10	N 26	N 28
1	0.09	0.29	0.05	0.07
2	-	-	-	0.07
3	0.24	0.40	0.13	0.10
4	0.51	-	0.15	0.10
5	-	-	-	0.10
6	0.07	0.21	0.06	0.10
7	-	-	-	-
8	-	-	-	-
9	-	-	-	0.04
10	0.22	0.27	0.18	0.04
11	0.25	-	-	0.04
12	-	-	-	0.04
13	0.20	-	-	-
14	-	-	-	-
15	-	-	-	-
16	0.11	0.34	0.06	0.04
17	-	-	-	0.04
18	-	-	-	0.04
19	0.17	0.39	0.05	0.04
20	-	-	0.21	-
21	0.20	-	-	0.04
22	0.09	0.22	0.10	0.04
23	0.19	-	0.21	-
24	0.34	0.30	-	-
25	0.12	0.23	0.09	0.04
26	-	-	-	-
27	0.16	0.14	0.03	0.04
28	-	-	0.11	0.03
29	-	-	-	-
30	1.38	0.14	0.06	0.03
31	1.01	-	0.15	0.03