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D-65 (372)

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WARSZAWA 2004

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Results of Atmospheric Electricity and Meteorological Observations S. Kalinowski Geophysical Observatory at Świder, 2003

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INTRODUCTION

General information

The present issue contains the results of recordings of some elements of atmospheric electricity and daily observations of major meteorological factors noted at the S. Kalinowski Geophysical Observatory of the Polish Academy of Sciences at Świder in 2003. Data for the years 1957–1965 have been published in *Prace Obserwatorium Geofizycznego im. S. Kalinowskiego w Świdrze* and for 1966–2003 in *Publications of the Institute of Geophysics, Polish Academy of Sciences.*

Location of the station

Świder is located approximately 25 km SSE of Warsaw and 2.5 km NNW of town Otwock – a small resort and local administrative center. There is no major industry and villa-type housing prevails in the area. Bounded premises of the Observatory, some 7 ha in area, is overgrown by pine and deciduous trees with a few clearings. One of these, approximately 1 ha in area, is the site of the atmospheric electricity and meteorological station. A small street Brzozowa, with a little local traffic, is situated nearby the premises, in the SSW direction. Two observatory buildings are lo-

cated at the edge of the clearing: the administrative building and the measurement pavilion of the station.

The postal address is the following:
Obserwatorium Geofizyczne Instytutu Geofizyki PAN,
ul. Brzozowa 2, 05-402 ŚWIDER, POLAND
e-mail: SWIDER@igf.edu.pl

The instruments and their location

The measuring and recording instruments of atmospheric electricity are mainly located in the pavilion and partly on the clearing, while the meteorological observations are performed in meteorological shelter and meteorological garden.

The electric field strength measured by radioactive collector (activity of about 30 μC), placed on a metal rod seated in a heated insulator. The electrometer (range ± 1500 V/m) (Fig. 1) is inside a separate metal casings and mounted on a metal pipe. The height of the collector above ground is 200 cm. It is localted in the center of the clearing.

The difference in electric potential occuring between the collector and the Earth's surface, amplified by the electrometer, is transmitted through buried cables to the digital recording logger installed in the pavilion.

The radioactive collector and electrometer have been constructed in the Observatory. The electrometer is characterized by a very high input resistance (10^{14} Ω) as

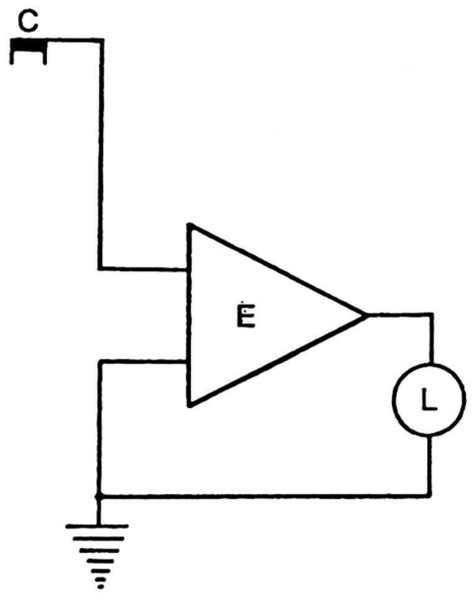

Fig. 1. Block diagram of the set recording the electric field strength: C – radioactive collector, E – electrometer, L – logger.

compared to the so-called collector resistance (about 7×10^{10} Ω), which largely eliminated the effect of wind on the electric field recording. It also has a very good stability of zero, constant value of amplification, and a linear dependence of indications on the electric field intensity. The time constant is 7 s.

The arrangement for recording the electric conductivity of positive polarity consists of Gerdien's aspiration condenser with electric batteries, electrometer and logger (Fig. 2). The aspiration condenser is within a separate brick hut located at the clearing, some 3 m away of the measurement pavilion. The air is aspirated 1 m above the Earth's surface. The boundary mobility of the condenser is 2.6 cm^2/Vs. The time constant of the whole arrangement is 60 s.

The condensation nuclei content in the air has been measured with a photoelectric condensation nuclei counter three times daily: 6^h10^m-6^h30^m GMT (I), 11^h00^m-11^h30^m GMT (II), and 18^h10^m-18^h30^m GMT (III). The counter is placed inside the pavilion, while the air samples are collected from outside of the building, at a height of 1 m above ground. The aspiration of air is made by an electric rotational pump through a 1 m long rubber pipe.

Basic meteorological elements, such as air temperature, water vapour pressure and relative humidity of the air are measured in a meteorological shelter 2 m above ground; the shelter is situated about 25 m from the clearing's edge. The atmospheric pressure is read out from the station mercury barometer within the administration building of the Observatory. The velocity and direction of wind are read out from indications of an anemograph manufactured by VAISALA. Its sensor is installed on a metal mast at a height of 17 m. The amount of atmospheric precipitation is measured by Hellman's rain-gauge, with an intercepting surface of 200 cm^2. Other meteorological phenomena are observed visually from the clearing and a roof of administrative building.

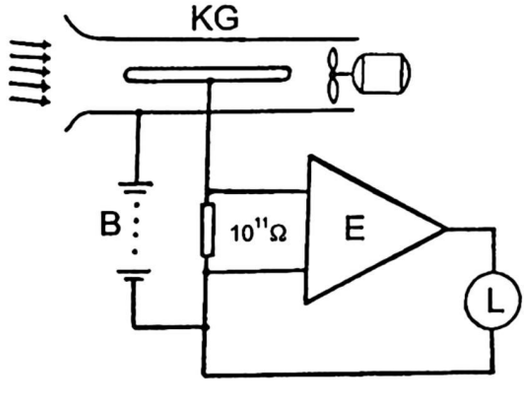

Fig. 2. Block diagram of the set recording the electric conductivity of the air; KG – Gerdien's aspiration condenser, B – battery of electric cells, E – Keithley 614 electrometer, L – digital logger.

Tables

The monthly tables of the electric field contain hourly means (according to GMT) taking into account the reduction coefficient to a flat surface. Uncertain data are placed in round brackets, while the mean values calculated for part of an hour (at least 40 minutes) are in square brackets. If the field values exceeded the measurement range in the positive or negative direction, the mean value is preceded by sign > or sign <, respectively. If the values exceeded the range in both directions through the same hour, the mean values are marked with the sign |. Mean monthly values calculated for every hour for the so-called fair-weather periods *A* and for all data *N* are listed at the bottom of the tables. For each day there are also listed the following: daily values of the electric field (*A* and *N*), daily maxima (Max), minima (Min), amplitudes (Amp.), and type of weather (symbols explained on page 10). The hourly means of the electric field are underlined with a solid line if during the given hour there occurred: rain, drizzle, snow, hail, fog, local or distant thunderstorm, lower cloudiness exceeding 1/3, wind velocity exceeding 6 m/s, the field value was negative or exceeded 1000 V/m. The hourly mean values in column A, i.e., for fair-weather periods, were calculated for data which were neither underlined nor marked with round brackets.

The monthly tables of electric conductivity of positive polarity contain: hourly means (in GMT), daily means, daily maxima, minima and amplitudes, weather type, monthly means for every hour and total monthly means. Like in the case of the electric field, the means were calculated for the fair-weather periods *A* and for all hours with no exception *N*.

The condensation nuclei content data are given for three measurement terms daily (I, II, and III). The daily means and monthly means *M* were calculated on the basis of these data.

The meteorological tables contain the following elements measured three times a day (6^h00^m, 12^h00^m, 18^h00^m GMT): air temperature, relative humidity, atmospheric pressure, water vapour pressure, direction and velocity of wind, cloudiness and type of clouds. Since January 1989 the cloudiness has been measured in the scale 0 to 8. The tables contain also the highest (Max) and lowest (Min) temperatures, the temperature amplitude (Amp.), and lowest temperatures at ground surface (+5 cm, Min) during the day as well as the sum of atmospheric precipitation and snow cover height. The daily means *M* of temperature were calculated as an average values of air temperatures measured two times a day (6^h, 18^h GMT) and Max and Min values. The daily means *M* of relative humidity *H* were calculated from the formula: $M = (2 \times H[6^h] + H[12^h] + H[18^h])/4$. The monthly means *M* were calculated from daily means.

The tables beginning on page 61 list the timing (in GMT) and intensity of other meteorological phenomena; the international meteorological symbols are used.

In 2003, atmospheric electricity and meteorological observations, as well as the data treatment, were carried out by M. Kubicki, W. Kozłowski, D. Jasinkiewicz, and G. Gawrysiak. The material was prepared for publication by M. Kubicki.

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Annual mean values (for the fair weather) of electric elements.

Year	Air conductivity (positive) $*10^{-16}$ [$ohm^{-1}\ m^{-1}$]	Electric field strength V/m
1958	55	143
1959	92	88
1960	60	90
1961	50	109
1962	90	87
1963	110	101
1964	75	84
1965	60	143
1966	46	116
1967	34	175
1968	33	166
1969	36	179
1970	35	192
1971	48	202
1972	46	228
1973	39	224
1974	46	254
1975	49	265
1976	43	285
1977	40	245
1978	31	217
1979	28	343
1980	30	258
1981	29	313
1982	32	305
1983	32	216
1984	29	192
1985	22	198
1986	39	162
1987	25	191
1988	21	227
1989	25	252
1990	24	258
1991	22	271
1992	26	262
1993	25	302
1994	24	298
1995	24	273
1996	24	276
1997	25	306
1998	22	305
1999	16	308
2000	24	311
2001	23	277
2002	28	277
2003	24	242

Note: The yearly means were calculated from monthly means for the fair weather.

COORDINATES OF THE STATION

$\varphi = 52°07'$ N $\lambda = 21°15'$ E h = 100 m

LOCATION OF INSTRUMENTS

	Height a.s.l. [m]	Height over ground [m]
Barometer	107	7.0
Instruments in meteorological shelter	102	2.0
Anemometer		16.9
Rain-gauge		1.0
Radioactive collectors		2.0
Aspiration condenser of the conductivity set		1.0
Photoelectric condensation nuclei counter		1.0

TYPE OF WEATHER

b	clear sky (cloud cover 0.0–2.4)
c	moderate cloudiness (cloud cover 2.5–6.4)
o	overcast (cloud cover 6.5–8.0)
r	rain
p	passing showers
d	drizzle
s	snow
g	granular snow
h	hail
t	thunderstorm over the station
l	distant thunderstorm
f	fog
m	mist
z	haze
hf	hoar frost
w	snowstorm
ws	snowstorm with snow falling
wind	wind velocity > 6 m/s

A	Mean values for the "fair weather".
N	Mean values for all days.

TIME NOTATION

n	between	18^h	and	6^h	GMT
a	between	6	and	12	GMT
p	between	12	and	18	GMT
np	between	18	and	24	GMT
na	between	0	and	6	GMT

INTERNATIONAL SYMBOLS USED

- rain
- drizzle
- snow
- intermittent snow
- granular snow
- soft hail
- small hail
- grains of ice
- hail
- sleet
- ice needles
- dew
- hoar frost
- soft rime
- glazed frost
- glazed frost on the ground
- snow-storm
- drifting snow (near the ground)
- drifting snow (high up)
- moderate fog
- heavy fog
- very heavy fog
- ground fog
- mist
- ground mist
- haze
- thunderstorm
- distant thunderstorm
- lightning
- solar halo
- lunar halo
- solar corona
- lunar corona
- rainbow
- aurora

January 2003

Electric field strength [V/m]

GMT / Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	483	408	391	402	477	428	377	381	392	377	605	509	451	383	357	470	563	587	662	625	588	473	444	367	467	467	796	198	598	
2	306	245	251	110	2	12	-76	-145	<-529	-192	-333	-133	-36	-14	12	-31	44	8	14	-99	-298	<-277	20	-91	–	<-51	421	<-1444	>1865	
3	-119	-65	95	42	62	48	140	205	198	269	162	203	107	189	199	162	-32	-72	-49	-15	122	90	118	75	–	89	481	-1097	1578	
4	41	71	105	33	5	149	121	–	–	–	189	137	216	165	241	272	342	417	381	284	289	403	383	146	–	–	–	–	–	
5	170	128	214	313	208	184	69	94	86	64	51	91	255	171	112	130	88	82	165	142	206	315	263	239	–	160	408	-41	449	
6	208	196	136	115	140	139	185	216	222	174	[179]	[148]	[148]	194	199	196	221	213	223	172	188	233	246	214	–	188	309	54	255	
7	149	79	49	102	62	96	105	257	178	159	235	234	268	293	346	339	326	325	326	308	266	316	358	344	–	230	428	-4	432	
8	319	304	276	262	309	332	392	455	503	574	638	673	796	742	665	617	655	885	>957	945	>1159	>997	>1040	875	–	>640	>1342	183	>1159	
9	600	660	547	505	371	561	419	507	468	515	397	353	367	362	449	382	304	274	594	839	715	777	504	32	–	479	1311	-288	1599	
10	238	201	331	1	-44	209	-191	-148	38	12	180	124	78	50	88	177	95	91	114	89	141	205	146	99	–	97	543	-451	994	
11	105	144	184	297	282	283	302	354	398	456	430	404	377	297	294	354	463	391	222	31	50	56	-90	-88	–	250	751	-208	959	
12	-47	-28	-114	-49	-34	-14	19	12	9	-63	-67	-81	<-89	-5	|	-41	-50	-20	>54	8	24	6	3	-35	–	–	–	–	–	
13	-46	-51	-23	31	78	98	110	117	120	45	-11	-14	-27	-4	19	-36	-20	-78	-57	-41	>14	-167	-86	-79	–	-6	>1342	-385	>1727	
14	-60	-52	-61	-38	-23	-66	-70	-42	-56	-2	16	22	-84	-52	-223	-177	3	-103	-74	-62	-37	-77	-95	-78	–	-62	82	-728	810	
15	-131	-100	-67	-52	-34	-20	-54	-136	-65	-41	-55	15	20	74	154	196	202	213	199	174	165	140	126	144	–	44	235	-245	480	
16	141	138	144	131	125	127	75	6	-56	-63	-4	77	206	170	174	167	120	131	99	124	185	197	209	170	–	116	256	-169	425	
17	177	140	113	124	144	165	108	78	18	26	59	33	184	271	315	334	345	380	348	336	135	183	173	224	–	184	515	-110	625	
18	219	184	182	191	119	97	143	193	238	320	373	350	352	380	417	444	467	478	457	428	413	426	241	55	–	299	602	-18	620	
19	86	148	121	-58	-133	56	116	174	295	313	349	258	211	293	360	322	293	183	256	260	188	217	260	316	–	204	480	-205	685	
20	299	320	317	312	235	177	186	249	275	344	348	392	394	332	330	315	32	76	13	205	308	379	372	371	–	274	479	-117	596	
21	354	329	303	386	372	356	305	360	414	474	503	511	503	447	418	379	367	309	245	236	186	185	193	161	–	346	606	130	476	
22	138	177	167	155	162	178	193	221	278	268	262	315	376	405	395	354	340	312	307	281	214	191	168	125	–	249	518	87	431	
23	120	128	135	130	126	158	169	129	141	80	124	143	182	173	102	48	82	100	-7	-20	52	9	175	164	–	110	440	-227	667	
24	-76	-25	90	233	168	214	86	30	134	201	125	189	162	304	152	189	192	193	99	199	149	148	94	105	–	140	547	-248	795	
25	165	238	194	65	-22	-19	47	87	143	179	196	174	188	191	201	154	207	153	249	210	176	249	250	239	–	162	405	-153	558	
26	180	159	157	99	120	145	192	190	156	201	235	210	200	237	281	294	180	76	85	111	122	74	68	-6	–	156	398	-80	458	
27	15	61	75	100	73	10	38	103	110	124	199	223	239	122	55	-26	66	23	30	-60	-42	8	86	100	–	72	300	-160	460	
28	131	72	-42	0	48	100	-106	-103	-32	-416	6	<35	<-237	160	190	220	251	264	275	254	>214	|	76	65	–	–	–	–	–	
29	101	98	79	90	125	>162	|	169	156	120	130	133	161	113	213	262	352	171	195	249	57	183	200	205	–	–	–	–	–	
30	154	67	53	94	11	98	88	161	198	326	237	303	>831	|	>611	705	526	331	362	418	322	371	245	167	–	–	–	–	–	
31	166	183	263	260	290	448	511	525	563	334	275	327	309	299	292	284	510	637	601	682	>812	671	842	704	–	450	>1342	24	>1318	
A	231	233	243	251	238	240	265	293	349	386	374	384	435	388	405	404	411	417	354	381	248	317	336	285	328					
N	148	147	150	141	123	>158	133	156	166	173	195	<205	230	225	247	240	242	227	>237	237	>228	233	227	172	193					

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	b	o,m,s, r,d,g	o,m,f s,d	o,s	c,s,hf g	o,s	o,s	c	b,m	o,m,s g	b	o,s	o,s	o,s	o,r	o,r	o,r,hf	c,hf,s	o,m,f, s	c,hf,	b	o,r	o,r	o,m,f, r	o,f,r	o,r	o,m,r	o,r	o,hf,r s	o,s	o,s

February 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	389	268	284	185	137	148	189	169	0	128	322	380	357	378	362	364	371	437	525	604	590	324	333	275	312	312	731	-89	820
2	348	495	569	372	316	304	461	397	462	362	473	406	339	337	357	309	409	359	432	429	482	470	436	385	–	405	777	48	729
3	345	264	221	170	188	235	289	289	227	171	-13	-139	-72	-48	-24	-41	-55	-17	30	104	122	-41	54	92	–	98	408	-431	839
4	106	-83	|	|	>14	|	145	161	148	161	84	-26	19	66	65	53	82	147	143	121	95	273	295	306	–	–	–	–	–
5	66	108	164	161	146	120	90	144	190	180	154	112	164	186	132	66	38	90	15	7	49	31	-14	-103	–	98	384	-555	939
6	<-659	-564	|	|	|	|	<-349	529	-95	10	-68	-98	-39	-3	28	-280	-46	<-378	-476	-186	-244	37	10	-67	–	–	–	–	–
7	-457	<-774	<-622	-348	-245	-148	<-508	-505	-485	-271	-262	<-677	-252	-165	27	27	-123	-34	-52	-41	-26	36	20	55	–	<-243	233	<-1444	>1677
8	43	66	42	-62	70	4	-66	-47	18	52	116	169	224	185	204	250	259	298	283	327	315	257	254	256	–	147	480	-144	604
9	153	107	128	74	53	20	79	42	62	85	28	138	157	163	178	225	222	233	215	203	228	128	95	61	–	128	342	-82	424
10	116	121	101	62	47	51	194	190	205	194	188	171	173	187	258	-164	261	345	341	326	199	282	195	193	–	177	480	-1342	1822
11	202	209	153	157	180	241	261	305	265	200	188	156	181	199	209	216	200	215	247	273	250	245	217	176	–	214	403	72	331
12	163	151	162	158	168	243	235	250	329	302	311	294	337	428	443	501	704	709	600	737	859	676	635	696	–	421	1268	90	1178
13	724	721	491	>1101	997	395	127	218	270	185	405	402	–	–	341	359	278	317	279	216	223	213	143	16	–	–	–	–	–
14	-23	-7	-78	-43	-15	-8	-24	-44	-54	-60	-8	-12	-37	2	-71	-4	24	19	-28	-24	-3	-7	-16	-45	–	-24	153	-180	333
15	-91	-65	-92	-87	-100	-122	-43	-37	-76	-105	-99	-91	13	-19	-32	-23	61	63	100	-21	-18	16	-9	51	–	-34	170	-475	645
16	113	193	211	183	136	188	215	267	357	379	439	422	458	497	509	591	557	654	709	616	454	789	825	559	–	430	1122	3	1119
17	729	517	572	592	420	138	229	285	44	250	572	716	706	620	428	302	170	71	124	92	32	40	11	-41	–	317	1073	-134	1207
18	1	-24	-47	-59	-63	-137	-109	-65	42	40	-55	-62	-30	76	65	123	144	150	104	22	134	130	102	60	–	23	322	-214	536
19	-62	-79	-47	18	19	-7	1	34	-44	0	9	29	133	61	57	100	98	120	114	174	181	161	126	43	–	52	368	-165	533
20	57	-69	-33	103	88	176	149	131	119	151	106	94	260	245	240	145	175	136	139	183	121	163	144	153	–	132	534	-161	695
21	198	141	73	103	135	85	-64	87	120	144	135	217	238	266	248	227	153	101	77	126	64	27	21	24	–	123	341	-186	527
22	41	40	58	69	92	103	104	88	435	529	581	519	430	399	418	379	497	647	767	608	765	765	745	725	–	408	961	10	951
23	577	529	534	532	589	678	722	518	805	766	534	362	268	275	289	268	232	302	329	246	305	300	309	387	444	444	972	62	910
24	273	374	294	348	283	232	224	311	401	415	536	485	430	586	517	470	496	362	296	364	399	427	342	398	386	386	876	65	811
25	308	280	231	261	316	291	341	193	319	439	441	383	363	481	510	528	277	185	156	138	236	162	160	125	–	297	717	-90	807
26	160	163	171	164	186	223	149	92	318	450	506	512	460	544	541	555	494	494	399	380	377	235	232	216	334	334	797	19	778
27	117	89	104	69	36	46	152	278	352	393	432	467	455	469	460	366	289	345	345	392	316	231	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	-105	-184	-123	-28	-16	20	88	126	109	140	235	220	208	197	163	137	–	–	–	–	–
A	335	330	340	288	256	266	265	264	389	350	450	382	366	396	392	410	391	415	434	403	426	387	415	393	364				
N	146	117	146	171	161	140	118	159	165	192	212	<189	212	238	245	216	228	<233	230	237	240	235	216	190	193				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	b	b	o,h/,s	o,s	o,s	o,s	o,s	o,s	o	o,s	o,s	c,s	o,s	o,s,g	o,s,g	c,s	c,h/	o,g,m	o,g	o,g,d	c,d	b,h/,f	b,h/	b,h/	b,h/,m	b,h/	c,h/	c,h/,m

March 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	153	171	153	133	138	130	187	222	224	201	155	150	147	191	263	188	274	346	301	83	130	146	177	171	–	185	534	14	520
2	154	148	146	139	142	132	156	181	202	211	185	204	216	258	236	248	283	301	293	216	167	189	133	116	–	194	381	77	304
3	128	96	71	75	66	91	129	174	192	185	159	172	178	191	205	198	158	243	256	195	163	192	162	114	–	158	308	29	279
4	95	88	40	-20	48	-203	-59	-62	-21	48	18	21	-55	-31	68	153	175	145	135	107	134	100	19	-4	–	39	226	-382	608
5	-23	72	93	33	15	-14	21	147	184	104	122	100	|	442	127	72	73	65	75	69	-19	7	69	93	–	–	–	–	–	–
6	76	94	91	93	40	117	165	214	177	240	246	237	249	263	262	246	303	386	339	368	333	305	281	257	–	224	518	-47	565
7	242	220	172	151	182	199	284	304	424	357	302	295	327	304	303	340	354	420	521	596	478	562	430	390	340	340	822	58	764
8	343	234	225	221	282	290	218	218	240	258	293	298	322	304	283	361	352	384	370	238	193	155	108	73	261	261	687	51	636
9	77	115	68	39	48	46	87	83	60	113	63	-70	41	56	-117	-66	-53	-37	-34	-112	-52	-221	-80	-94	–	-2	191	-472	663
10	-117	-17	102	21	71	93	170	65	177	129	-10	191	102	70	96	167	74	70	-85	-50	-14	-66	122	99	–	61	388	-442	830
11	50	40	-2	89	69	73	71	54	55	210	258	275	328	283	254	301	282	198	87	-195	-156	-180	-168	-140	–	89	699	-735	1434
12	-152	-85	-6	6	-42	-189	-129	-63	-64	-5	-1	94	106	165	132	152	<77	>-21	119	163	111	112	156	138	–	32	>1390	<-1395	>2785
13	119	110	114	121	138	168	192	189	207	206	330	124	>812	>482	194	149	110	132	212	140	237	267	80	37	–	>203	>1390	-645	>2035
14	16	13	25	52	59	32	89	172	159	190	144	171	204	253	270	261	279	246	237	295	335	294	333	321	–	185	436	-20	456
15	327	288	276	254	251	274	378	384	333	337	325	260	256	273	320	336	250	313	437	318	415	360	278	207	–	311	630	100	530
16	245	306	341	282	233	218	300	323	314	121	172	226	393	302	303	241	338	335	227	95	-96	-80	-84	-74	–	208	766	-156	922
17	-219	-191	-47	67	93	76	96	144	237	136	202	225	271	240	276	252	191	257	295	294	271	248	260	307	–	166	402	-367	769
18	290	278	233	158	213	207	236	344	337	320	292	286	309	329	288	302	278	298	335	403	426	384	344	313	–	300	527	99	428
19	346	364	326	281	286	286	301	383	324	316	280	231	250	299	251	151	110	98	-17	85	193	177	167	168	–	236	499	-78	577
20	138	64	106	58	84	74	67	-13	1	63	240	234	249	219	238	236	221	279	293	289	254	229	202	225	–	169	351	-174	525
21	216	194	163	176	181	241	262	285	309	283	280	265	212	214	228	241	260	314	349	311	241	194	162	192	241	241	418	78	340
22	241	289	276	285	402	345	454	533	375	252	226	213	191	200	213	207	207	259	261	288	360	415	278	225	291	291	607	21	586
23	4	115	325	330	241	253	272	319	310	281	248	250	273	263	266	306	271	283	343	357	360	436	637	563	–	304	802	-129	931
24	424	306	214	197	225	306	481	494	503	499	428	340	285	195	203	174	223	232	250	237	392	402	344	358	321	321	681	39	642
25	417	497	209	258	362	106	175	333	411	308	232	204	188	203	183	143	180	142	186	240	341	209	173	269	–	249	639	-48	687
26	351	239	91	91	192	162	177	306	312	211	213	175	171	161	175	199	224	290	415	373	335	339	402	329	–	247	582	-71	653
27	338	298	279	332	346	422	406	376	333	329	323	251	245	229	236	257	246	297	457	450	397	335	333	269	324	324	630	126	504
28	146	126	125	86	80	142	209	244	205	241	205	203	152	93	85	>286	100	209	322	<-29	|	218	-16	-25	–	–	–	–	–
29	64	53	-40	-15	85	74	101	311	-305	-85	34	16	94	191	167	164	167	296	225	276	222	67	93	159	–	101	792	-559	1351
30	14	-55	-61	-44	-125	-141	-121	-110	18	158	152	163	154	177	203	196	195	201	126	100	51	100	88	46	–	82	254	-282	536
31	69	73	24	56	88	104	130	169	201	172	75	|	<-1	126	176	228	266	318	354	367	370	346	280	260	–	–	–	–	–
A	300	281	221	226	256	263	319	318	331	287	267	245	250	236	235	233	256	309	323	330	329	312	291	267	280				
N	147	147	133	129	146	133	178	217	208	206	200	193	222	>224	206	>216	<209	>235	248	<212	219	201	186	173	191				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	o,g	o,s	o,g	o,m,g, s	o,s	o,h/	b,h/	b,h/	o,d,r	o,m,f, d	o,f,r, d	o,r	o,s	o,s,g	c	c,m,f, h/	o,h/	c,h/	o	c,s,h/	b	b,h/	o,h/	b,h/	c,h/,m, s	b,h/	b,h/	o,r	c,m,f, r	c,f,h/	c,r,g

April 2003

Electric field strength [V/m]

GMT / Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	256	218	225	211	266	255	254	202	259	230	181	217	254	202	196	169	206	221	321	494	467	441	384	349	–	270	632	121	511
2	342	227	280	332	320	438	663	827	794	-16	381	246	197	138	63	22	-123	-33	11	67	28	-60	-57	25	–	213	1071	-730	1801
3	25	60	81	46	-45	-34	108	158	175	164	133	99	91	181	138	148	164	171	194	220	217	175	122	61	–	118	281	-111	392
4	-46	28	40	127	126	129	165	163	139	158	177	173	156	170	177	184	189	230	235	241	320	252	-129	<-1000	–	<100	704	<-1395	>2099
5	>386	-166	-75	-81	-61	-50	74	67	28	87	50	|	<-354	-31	218	266	<-707	150	297	|	187	229	215	163	–	–	–	–	–
6	-71	9	82	-52	219	-344	<-903	-378	-116	147	167	125	|	|	<-325	191	216	132	105	99	<-430	227	57	112	–	–	–	–	–
7	35	-6	60	74	77	69	127	140	109	101	40	-37	-143	331	323	>809	216	111	296	366	181	117	153	165	–	>155	>1390	-465	>1855
8	150	220	188	161	236	303	503	526	886	458	311	294	361	>646	651	366	304	271	305	179	22	21	74	-64	–	>307	>1390	-318	>1708
9	4	160	194	168	150	129	135	218	185	65	80	200	145	256	229	203	176	193	235	267	221	174	181	177	–	173	379	-165	544
10	52	20	46	132	230	275	267	270	291	295	238	274	338	211	58	282	180	193	>304	<-149	<-1025	<-1019	-823	|	–	–	–	–	–
11	<-393	<-538	|	|	<-937	<-1207	<-721	-186	-38	21	42	51	29	3	127	-49	<-652	-339	36	175	175	130	89	109	–	–	–	–	–
12	85	25	-10	35	115	119	175	206	241	203	182	138	156	163	171	176	148	172	248	310	413	481	377	388	–	196	656	-57	713
13	208	155	208	279	294	481	458	330	246	188	148	140	147	159	179	182	210	247	361	402	445	298	286	250	–	262	654	54	600
14	223	179	173	183	154	211	318	185	146	117	121	109	119	120	123	134	158	165	203	262	244	221	195	195	–	177	426	59	367
15	241	154	138	124	149	219	197	159	159	133	127	118	124	133	144	155	178	200	286	363	386	325	252	201	–	194	460	65	395
16	158	100	96	108	164	205	220	196	176	153	142	133	131	129	135	143	152	173	304	342	377	379	362	301	199	199	503	45	458
17	271	195	186	226	235	247	286	199	165	147	129	111	112	125	112	123	155	164	207	315	420	434	386	315	–	219	598	77	521
18	309	282	200	129	157	248	169	174	>544	39	91	179	186	178	186	179	172	172	202	215	186	169	159	139	–	>194	>1390	-229	>1619
19	133	143	122	132	153	156	163	173	155	80	25	71	102	118	163	204	232	250	262	279	288	241	207	184	–	168	363	-88	451
20	169	163	154	160	177	188	193	220	179	165	168	171	166	157	165	166	179	175	179	199	220	213	187	165	178	178	259	105	154
21	162	140	163	122	146	204	223	178	147	133	127	110	102	95	96	106	107	90	158	252	186	274	231	267	159	159	487	25	462
22	194	171	143	112	107	145	156	168	167	139	115	119	96	<-621	|	102	148	180	188	171	156	110	129	101	–	–	–	–	–
23	92	84	72	76	93	80	77	74	78	131	144	131	<-386	|	|	|	-28	6	44	72	113	3	44	53	–	–	–	–	–
24	109	98	74	103	87	13	125	130	150	146	125	102	>399	|	|	92	141	211	166	139	169	221	148	95	–	–	–	–	–
25	108	122	169	155	194	242	253	222	231	202	178	169	167	159	161	162	176	244	259	298	254	222	199	181	197	197	373	64	309
26	186	173	170	193	237	258	281	265	247	237	216	143	112	110	144	186	168	214	279	292	358	275	204	226	–	216	420	65	355
27	201	166	135	183	153	178	122	-190	-307	-269	40	95	100	122	124	126	149	150	220	108	110	171	122	112	–	88	317	-1125	1442
28	117	68	99	95	59	185	181	186	150	166	94	|	177	159	141	122	128	137	184	268	274	236	187	180	–	–	–	–	–
29	162	158	143	118	205	225	218	209	217	214	224	169	147	140	104	<-263	72	108	177	196	199	188	142	88	–	<148	498	<-1395	>1893
30	95	128	154	175	236	290	243	214	226	203	161	137	126	123	142	168	226	274	383	398	374	254	196	138	–	211	521	36	486
A	190	154	165	167	190	248	264	236	228	173	169	160	133	131	144	167	188	197	240	289	297	261	228	219	208					
N	132	<98	128	132	<123	<129	158	177	>201	141	145	142	116	135	153	167	<101	154	>222	236	<185	<180	143	127	151					

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	c,s	o,s	c,m,f,r	o,r,g	o,r,g,s	o,s	o,s	o,s	o,s	o,r,s	o,r	b,h/f,m	c,h/f	c,h/f	c	b	b	o,r	o	b	b	c,r	o,r,m	c,r	b	c,r	o,r	c,r	c,r	o

May 2003

Electric field strength [V/m]

GMT / Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	137	178	140	|	-68	-33	-51	132	18	-37	-29	2	-136	-63	9	47	85	120	103	154	167	201	178	186	–	–	–	–	–
2	158	147	155	125	151	174	132	124	132	137	103	85	80	90	95	95	89	142	187	245	235	234	197	235	–	148	318	9	309
3	249	191	180	196	176	180	190	157	149	163	87	68	-231	0	-316	-96	-98	-34	49	46	74	123	113	100	–	72	328	-1176	1504
4	101	100	118	116	139	151	150	144	154	163	129	112	128	108	108	130	121	115	111	124	179	255	303	213	145	145	554	18	536
5	222	222	266	181	199	258	202	198	202	188	178	185	220	235	227	229	234	256	322	324	331	309	293	245	239	239	458	41	417
6	251	203	206	233	240	191	246	305	324	333	243	231	252	207	164	141	166	151	156	159	171	118	112	140	206	206	379	45	334
7	121	102	65	80	85	104	107	113	130	130	117	78	73	80	138	123	86	109	157	148	185	213	156	143	–	118	420	33	387
8	157	171	125	116	200	221	179	176	157	138	135	134	134	148	161	171	155	164	220	182	180	183	157	92	161	161	360	30	330
9	108	118	95	130	151	165	170	153	|	|	<202	140	144	157	135	121	109	33	74	86	113	93	86	44	–	–	–	–	–
10	40	45	78	77	80	107	124	-425	16	156	194	169	166	168	125	128	111	110	127	204	287	172	128	119	–	104	415	-971	1386
11	99	79	117	100	95	57	72	92	104	72	90	30	114	18	-350	-47	27	-20	-3	-61	|	<-139	-73	-40	–	–	–	–	–
12	32	9	20	24	4	73	129	113	70	103	71	58	8	5	42	129	158	96	265	254	341	324	256	139	–	113	568	-252	810
13	147	129	129	59	98	422	196	169	131	–	[-128]	23	190	146	117	116	146	155	255	<-47	|	|	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	-130	-70	-42	-45	-24	-132	-52	-119	-275	12	-8	87	132	150	220	271	346	–	–	–	–	–
15	347	321	320	220	432	460	512	251	58	48	20	-34	4	119	<-404	|	|	9	-3	-12	63	-14	-227	59	–	–	–	–	–
16	56	-49	-23	-87	-80	9	47	78	-175	-186	-96	-60	0	3	81	114	103	103	115	195	202	131	>189	|	–	–	–	–	–
17	130	75	70	14	16	204	171	169	132	114	100	98	99	98	100	109	103	141	209	251	247	222	208	178	–	136	334	-78	412
18	136	106	78	58	63	71	76	74	105	92	96	77	72	61	-18	64	80	68	78	130	134	106	176	136	–	88	239	-316	557
19	141	105	63	54	147	203	139	140	133	>231	-27	2	87	107	89	121	128	160	157	149	111	116	88	80	–	>113	>1390	-477	>1867
20	99	-51	-41	13	69	173	57	43	86	52	48	47	54	68	85	98	66	56	19	<-403	<-35	147	41	>230	–	43	1390	-1395	2785
21	|	|	<-973	>173	-509	-344	-61	33	14	-151	13	53	71	63	104	130	181	168	176	165	166	148	151	126	–	–	–	–	–
22	104	88	95	88	124	152	149	122	71	79	66	55	82	90	131	150	176	133	95	111	103	77	103	132	–	107	311	-55	366
23	145	131	76	54	83	287	267	–	–	–	103	107	112	112	112	146	161	138	119	179	173	155	77	32	–	–	–	–	–
24	22	45	62	44	108	99	131	201	201	243	209	173	183	199	204	202	218	210	287	307	314	277	211	182	180	180	420	6	414
25	180	164	148	168	278	244	221	246	232	232	201	185	202	191	173	185	181	196	195	233	221	229	185	118	–	199	392	54	338
26	101	75	83	96	181	243	202	160	138	103	87	78	88	116	138	150	148	144	246	316	218	111	78	62	140	140	536	25	511
27	54	42	36	68	91	130	149	165	184	161	152	140	137	147	168	286	294	231	206	181	154	143	95	65	–	145	450	18	432
28	58	70	78	86	80	99	117	139	152	167	182	185	197	195	181	160	179	181	204	210	222	254	235	166	–	158	329	20	309
29	124	101	105	104	116	142	151	171	166	141	137	123	134	149	158	156	162	193	209	228	250	208	161	143	–	156	310	21	289
30	37	18	19	62	185	183	202	183	183	155	162	174	194	196	199	191	175	150	145	230	210	209	[128]	–	–	–	–	–	–
31	–	–	–	–	46	55	71	91	98	110	94	91	91	100	94	105	109	114	97	135	256	191	160	127	–	–	–	–	–
A	139	124	118	116	154	187	180	164	165	158	148	131	144	148	144	161	155	150	172	199	198	185	172	151	158				
N	127	105	65	95	99	149	148	120	114	111	93	90	91	105	<89	113	129	122	150	<146	187	187	140	136	120				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	c,f	c,f	o,f	b wind	c	b	c	b	o,f	c,f	o,f	o,m,f, f,l	c,m,f, l	o,f	o,f	c,f	c,f	o,f	o,f	o,f	o,f	o	c,f	b	c	b	c	b	c	b	b

June 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	137	134	80	89	56	70	86	75	68	73	76	91	102	123	140	152	151	146	177	208	192	174	171	138	–	121	240	21	219
2	144	155	136	197	293	282	260	251	214	184	166	153	160	164	177	177	186	201	225	250	323	312	239	185	210	210	404	56	348
3	196	189	175	219	238	236	226	173	138	146	121	121	126	139	144	150	159	163	211	239	230	201	198	124	177	177	293	51	242
4	148	159	140	182	195	211	199	180	160	140	135	124	137	152	165	187	208	202	240	229	239	217	181	163	179	179	308	68	240
5	160	188	194	186	185	176	213	197	175	172	152	141	121	120	119	111	111	112	125	155	170	140	188	152	–	157	370	52	318
6	114	111	114	101	110	|	|	411	64	-53	26	70	70	74	85	93	109	150	157	161	180	185	136	113	–	–	–	–	–
7	131	110	101	110	93	127	184	203	158	134	126	132	134	144	138	143	143	142	150	210	290	268	236	211	–	159	448	33	415
8	108	72	37	115	139	175	150	170	179	203	200	175	163	151	141	163	182	178	192	204	225	192	183	152	160	160	267	9	258
9	114	115	89	56	31	74	138	187	166	168	113	129	123	130	148	172	138	177	210	185	177	180	118	96	–	135	266	-8	274
10	122	142	124	119	166	177	189	170	182	159	161	151	155	138	142	156	165	181	130	199	232	253	258	207	170	170	397	58	339
11	143	127	168	239	201	195	178	162	147	112	144	157	175	161	199	150	140	87	136	161	162	147	164	145	–	158	331	-179	510
12	134	115	102	91	115	154	180	198	205	183	159	179	141	146	152	164	180	181	114	121	176	125	99	45	144	144	271	1	270
13	60	53	48	94	|	37	1	-17	122	69	78	78	111	90	114	118	116	154	181	217	273	243	199	189	–	–	–	–	–
14	163	117	81	126	171	177	186	191	142	140	144	116	115	118	105	119	143	150	156	166	180	219	448	390	–	169	689	-26	715
15	235	168	125	126	147	183	188	147	217	159	142	145	140	130	130	135	125	165	161	139	226	274	247	192	–	169	431	69	362
16	167	93	<-289	|	141	97	107	[104]	–	–	–	–	|	134	|	113	180	74	|	<111	179	156	70	82	–	–	–	–	–
17	66	60	85	96	135	178	158	101	135	151	165	152	138	173	177	181	196	216	199	269	278	361	327	238	–	176	646	-78	724
18	210	192	176	175	165	181	193	199	168	125	122	113	146	146	142	147	151	184	210	194	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	106	114	120	123	121	177	-39	87	128	141	89	4	–	–	–	–	–
20	-129	55	58	28	8	15	|	|	<-251	-93	33	57	46	24	|	|	152	<-134	148	170	127	132	144	137	–	–	–	–	–
21	132	129	83	72	111	134	132	120	132	118	135	76	53	|	|	>212	37	94	109	112	-21	>128	|	<-246	–	–	–	–	–
22	-49	-54	-15	<-381	-40	3	35	-102	<-199	20	97	<-46	>140	<-849	>318	|	62	117	137	147	160	120	91	134	–	–	–	–	–
23	114	183	220	155	216	408	307	236	209	[198]	–	–	168	201	201	201	166	196	249	251	164	181	171	|	–	–	–	–	–
24	<-87	<-225	<-276	-29	-46	-16	113	121	122	120	116	101	116	99	115	117	139	137	161	127	171	170	137	115	–	<67	1111	<-1395	>2506
25	93	81	68	95	134	133	130	125	99	200	150	86	-101	-33	|	>-42	-58	-89	<-154	177	183	182	184	203	–	–	–	–	–
26	127	88	158	198	145	171	124	184	246	208	177	<-615	|	|	|	-14	|	|	141	219	286	256	167	149	–	–	–	–	–
27	113	110	158	137	193	275	244	231	195	152	128	130	|	|	85	174	184	223	204	179	192	192	207	205	–	–	–	–	–
28	179	|	107	132	199	228	326	250	243	210	217	172	132	138	|	|	235	186	280	279	302	494	413	361	–	–	–	–	–
29	270	239	269	234	353	488	343	315	294	216	217	157	144	132	127	127	129	159	179	198	201	192	196	115	–	220	1088	91	997
30	98	254	|	|	83	115	161	220	192	260	221	166	138	>290	-64	53	213	146	145	139	141	187	204	175	–	–	–	–	–
A	147	142	134	153	183	212	212	199	176	184	148	143	138	141	146	149	157	169	181	197	216	223	210	173	176				
N	118	112	90	110	141	167	176	172	140	138	138	93	118	94	138	133	144	141	156	<183	199	208	195	149	144				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	c,r	c	b	b	c	c,r,l	c	b	c	c	c,r	b	c,r	c	c	o,r	c	c	c,r	o,r wind	o,r	o,r wind	c,r	c,r	o,r	o,r	c,r,l	c,r,l	c	c,r

July 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	143	109	96	149	180	84	152	235	204	225	232	222	191	158	86	77	170	204	217	183	141	131				–	–	–	–	–
2			<-100		104	-59	7	41	188	204	209	147	115	120		101	85	161	143	171	258	222	211	175		–	–	–	–	–
3	166	178	140	206	243	234	220	212	241	210	202	184	163	167	173	153	157	161	164	237	252	152	160	164		–	189	392	85	307
4	159	170	218	250	292	283	260	235	233	214	193	187	157	150	156	156	150	155	152	199	225	223	226			–	–	–	–	–
5	>416	105	106	131	154	148	150	213	162		>846				171	146	117		180	211	231	217	192	179		–	–	–	–	–
6	136	105	89	104	69	96	97	<-466	308						<-331	<-896	<-663		<-260	68	267	143	98			–	–	–	–	–
7	151	145	115	106	128	155	177	229	202	226	274	224	177	183	173	162	179	225	293	274	264	238	160	174		–	193	375	34	341
8	77	130	102	78	137	178	208	234	83	63	86	144	216	198	183	186	185	187	202	289	285	280	269	251		–	177	360	-10	370
9	219	104	57	107	131	159	200	270	286	262	194	168	148	104	151	154	187	188	213	280	283	207	82	125		–	178	387	16	371
10	98	61	41	43	57	162	211	236	215	204	213	178	150	143		<-28	147	225	203	215	230	214	197	183		–	–	–	–	–
11	164	126	153	181	205	199	216	226	146	209	256	314	234	164	174	137	147	182	168	141	194	156	175	140		–	184	420	44	376
12	154	130	165	173	166	165	128	104	122	116	103		<-367	95	181	131	139	155	168	162	146	141	114	97		–	–	–	–	–
13	96	101	81	98	146	159	207	253	283	216	27	<-522		146	135	155	137	80	70	148	171	182	170	204		–	–	–	–	–
14	157	151	160	143	150	136	28	133	183	159	136	135	>212	>-106	68	225	163	203	150	142	154	155	91	99		–	134	>1390	-1147	>2537
15	89	134	137	123	163	194	211	172	143	158	<-109	<-203	146	221	209	160	156	148	230	343	359	268	276	311		–	168	723	<-1395	>2118
16	225	215	222	188	212	373	233	229	177	164	143	146	19	40	165	200	205	190	236	242	232	242	252	258		–	200	1053	-220	1273
17	189	156	145	177	239	433	204	200	175	157	151	131	142	133	143	137	138	148	180	245	350	311	293	239	201	201	1334	42	1292	
18	226	179	152	137	187	208	175	154	122	125	108	116	131	110	51	<-689					391	265	227	185		–	–	–	–	–
19	72	82	130	131	139	4	128	182	159	163	136	138	115	121	129	100	103	110	137	162	113	40	59	66		–	113	669	-594	1263
20	48	52	44	87	153	160	146	128	117	116	136	157	160	150	133	133	125	139	122	151	149	149	161	134		–	127	248	17	231
21	118	100	110	76	106	106	120	137	158	153	125	129	130	129	114	123	134	135	135	197	208	167	133	156	133	133	133	277	43	234
22	152	127	130	162	187	187	231	217	173	174	148	173	165	>808				-65	18	16	19	22	19	23		–	–	–	–	–
23	26	25	20	20	32	153	178	144	203	260	213	157	149	150	128	144	147	148	130	198	281	238	219	151		–	146	387	-74	461
24	127	148	148	134	131	173	151	137	119	127	126	127	116	125	119	117	129	135	187	215	211	196	171	139	146	146	146	370	35	335
25	80	73	61	79	124	178	179	214	153	141	138	148	150	157	137	127	171	175	198	<-585	309	>465		204		–	–	–	–	–
26	132	111	126	129	139	157	188	192	196	189	173	147	215	356	480	<-1126	217	146	143	134	144	133	105	138		–	124	1319	<-1395	>2714
27	134	133	122	120	135	142	172	198	190	139	141	134	98	88	105	126	112	125	163	185	199	174	168	141		–	143	276	47	229
28	116	95	88	86	119	128	199	269	181	159	170	146	147	170	154	151	110	122	126	145	147	162	90	96		–	141	412	17	395
29	100	70	61	86	97	48	127	>-16	143	135	108	-17	169	153	>118	258			>494	-112	118			111		–	–	–	–	–
30	74	65	19	44	62	154	256	251	263	219	177	126	177	170	>159		22	106	74	147	233	271	245	261		–	–	–	–	–
31	205	185	146	145	184	274	>482	205	167	175	179	>77		>1349	384	291	<-115	256	293	262	348	304	266	252		–	–	–	–	–
A	137	121	122	125	155	193	189	192	175	158	155	153	147	170	146	136	141	160	167	211	238	206	182	171	168					
N	142	119	106	123	147	167	>182	167	184	175	174	115	134	205	145	38	106	153	164	156	223	202	172	166	153					

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	o,f,j, r	o,r	o,r	o,r	c,r,j	o,r	o,r	o	o	c,r,j	o,r	o,r,j	o,r	o,r	o,r	c	b	c,r,j	o	b	o	o,r,m, l	c,m,r	b	c,j,r	c,j,r	c	c	o,r,j	o,r,j l	o,r,j, l

August 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	155	101	140	146	187	561	339	259	238	182	147	147	156	184	159	172	191	199	204	280	376	443	315	178	227	227	1083	41	1022
6	196	188	196	148	197	250	254	237	291	231	207	167	142	132	112	121	147	158	186	223	192	188	172	193	–	189	381	68	313
2	164	175	149	164	196	200	196	180	180	170	177	97	471	223	147	127	138	155	178	267	143	147	267	189	–	187	889	-351	1240
3	142	141	153	145	131	165	172	216	229	223	216	197	152	115	141	116	120	142	156	380	291	390	227	277	–	193	633	53	580
4	275	201	164	134	132	122	132	148	169	175	145	111	81	87	84	96	117	135	161	243	240	184	175	174	–	154	382	53	309
5	187	184	200	174	219	288	284	264	295	249	209	178	148	120	127	128	137	152	151	177	233	191	202	199	–	196	358	88	270
7	173	156	145	139	139	292	287	233	263	268	194	163	146	134	125	124	124	125	108	103	161	179	174	164	–	172	444	11	433
8	165	194	99	84	94	111	122	137	150	152	193	151	114	111	108	99	110	111	151	174	210	222	252	240	–	148	356	3	353
9	195	174	181	144	84	189	220	270	224	157	153	174	|	99	105	124	147	161	197	213	212	177	189	183	–	–	–	–	–
10	176	146	115	120	147	208	265	278	267	242	167	129	60	50	162	172	145	158	163	171	218	206	179	155	–	171	319	-82	401
11	135	103	99	131	169	206	204	185	160	138	110	107	100	110	108	116	130	141	160	251	305	258	225	203	161	161	381	58	323
12	166	138	107	90	120	207	242	222	198	181	139	141	170	172	143	123	99	78	|	>653	83	-96	31	-33	–	–	–	–	–
13	67	50	57	61	71	105	150	224	156	172	179	146	118	108	97	95	121	194	169	194	217	214	203	166	–	139	298	24	272
14	189	188	161	94	75	172	237	262	244	230	192	156	151	143	133	148	152	118	154	|	129	119	130	96	–	–	–	–	–
15	96	58	66	41	25	211	155	164	175	214	137	112	98	90	94	107	145	165	168	157	191	192	170	135	–	132	482	-37	519
16	120	131	127	106	127	161	192	213	224	165	101	84	114	129	128	155	172	185	152	186	250	252	216	168	–	161	432	-48	480
17	125	141	145	133	197	184	164	180	249	230	135	131	131	130	135	138	128	100	82	178	280	324	324	190	–	173	458	40	418
18	179	116	135	128	150	196	213	206	218	265	265	228	202	182	171	179	214	191	252	263	288	282	286	235	210	210	364	40	324
19	186	256	211	173	167	159	|	|	|	|	168	75	128	135	|	|	|	-86	75	70	12	-191	-158	-151	–	–	–	–	–
20	31	49	60	81	129	179	202	245	234	200	135	-34	21	201	189	163	165	226	247	211	204	145	147	187	–	151	352	-207	559
21	206	209	249	182	146	203	221	209	182	198	183	167	137	130	127	111	80	97	144	205	262	263	218	173	–	179	395	47	348
22	173	139	119	111	161	187	193	142	158	158	140	122	134	149	130	138	118	111	|	142	187	120	114	142	–	–	–	–	–
23	140	104	74	104	129	194	213	191	146	197	157	154	140	110	116	106	139	180	|	-187	47	-11	-120	103	–	–	–	–	–
24	147	118	114	133	150	183	227	230	187	131	134	124	97	164	140	105	139	<-320	-228	137	184	184	167	134	–	116	635	<-1395	>2030
25	132	126	111	124	124	99	71	149	188	193	151	140	136	134	133	138	162	174	201	249	276	238	208	157	–	159	503	-14	517
26	182	178	187	159	148	208	272	288	220	205	208	184	186	157	192	199	203	142	94	<-211	126	242	239	150	–	173	962	<-1395	>2357
27	65	86	120	160	165	163	177	139	166	171	111	102	128	155	137	145	116	162	208	232	233	236	219	210	–	159	289	-5	294
28	196	186	170	179	201	214	246	253	247	226	207	177	166	160	175	169	157	184	213	273	252	184	125	150	197	197	429	56	373
29	139	158	144	152	174	245	242	301	313	301	275	213	253	162	115	124	142	165	171	249	|	|	|	|	–	–	–	–	–
30	107	73	-22	<-901	|	|	89	34	92	15	121	112	114	99	16	74	158	195	226	225	239	201	168	163	–	–	–	–	–
31	125	159	146	183	168	183	153	151	188	233	196	152	169	133	149	175	182	221	168	186	197	224	247	275	–	182	371	56	315
A	166	155	145	135	156	209	215	219	213	202	181	159	167	143	127	131	146	158	168	219	245	235	211	186	180				
N	152	143	133	<97	144	202	204	207	208	196	169	139	145	136	130	133	143	<133	154	196	208	190	177	160	163				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	b	c,r,j	c	b	b	b	c,r	c,r	c,r	c,r	c	o,r,j	o	b,r,j	c	c,r	c	b	o,r,j	o,r	o	o,r	o,r	o,r	c,r	c,r	o,r	b	b,r,j	o,r	b

September 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	211	270	214	167	213	222	181	203	212	171	188	-12	166	157	136	28	172	124	129	192	230	214	178	137	–	171	408	-827	1235
2	131	132	153	126	161	162	86	49	94	-3	115	163	62	|	156	139	178	187	214	235	267	247	238	217	–	–	–	–	–	–
3	186	181	165	166	162	250	254	218	204	203	180	172	159	169	181	173	198	198	209	413	693	584	410	315	252	252	997	82	915
4	217	121	130	118	142	189	44	-31	47	-150	-348	-19	-114	-128	|	|	|	|	154	284	224	218	218	218	–	–	–	–	–
5	210	181	79	96	136	151	246	238	221	179	171	>183	|	167	203	7	126	230	501	559	584	610	665	715	–	–	–	–	–
6	552	341	253	184	173	208	289	305	254	196	171	163	174	170	216	180	164	299	332	444	476	489	394	406	–	285	738	97	641
7	470	231	183	219	184	195	264	266	249	222	186	177	193	196	194	179	170	270	350	370	383	305	229	226	246	246	739	61	678
8	192	175	171	176	233	286	278	169	206	176	174	191	184	220	188	220	207	260	297	279	253	207	177	150	211	211	365	75	290
9	165	142	115	153	199	290	334	334	282	266	249	219	219	228	237	232	310	447	566	535	430	375	304	249	287	287	727	56	671
10	212	180	189	179	202	310	345	275	280	225	195	186	184	164	166	174	210	239	250	222	231	234	196	175	–	218	423	86	337
11	152	135	105	119	138	143	184	258	289	241	172	-198	-305	-181	-287	-269	<-627	<-502	-396	-227	-256	-16	-6	-172	–	-63	395	<-1395	>1790
12	-45	-74	45	68	70	118	175	229	218	262	218	215	226	228	220	209	192	193	256	242	215	189	152	153	–	166	392	-353	745
13	154	152	144	162	170	226	260	264	233	230	184	160	190	181	209	222	179	257	419	367	411	475	378	275	–	246	685	75	610
14	283	240	196	216	267	248	260	316	258	207	168	167	169	169	196	179	179	263	459	571	482	414	322	312	–	273	1136	64	1072
15	310	261	222	282	253	317	471	432	321	228	169	181	167	180	169	137	110	353	413	396	287	284	152	143	260	260	620	58	562
16	111	81	73	78	56	110	165	170	174	164	183	212	191	156	153	159	101	168	191	177	172	146	118	99	–	142	249	-13	262
17	141	172	133	123	162	184	193	150	190	194	198	213	198	158	147	150	136	82	89	268	335	331	323	265	–	189	529	12	517
18	229	185	181	201	273	393	364	411	257	263	255	260	268	285	260	260	249	318	346	311	217	163	178	172	–	263	514	90	424
19	188	165	141	90	166	169	179	246	268	274	286	289	282	284	285	268	247	290	300	295	328	224	222	217	238	238	415	21	394
20	213	204	253	221	315	297	264	290	277	265	268	240	221	201	201	164	229	286	466	362	448	345	232	239	–	271	753	72	681
21	254	72	115	168	140	80	129	128	184	208	219	207	208	213	223	241	230	317	333	315	266	198	166	162	–	199	454	21	433
22	123	122	159	203	202	275	290	268	262	275	270	261	258	242	247	212	294	381	382	382	339	248	153	94	–	248	530	41	489
23	99	117	125	108	138	147	202	275	263	247	206	178	162	131	127	107	-44	101	116	134	98	86	-43	-53	–	126	373	-583	956
24	<-301	|	-168	5	66	126	144	188	255	292	182	177	169	173	172	192	183	151	185	194	334	344	266	278	–	–	–	–	–
25	305	287	284	225	215	265	349	379	330	190	190	196	161	190	186	185	239	425	372	399	495	364	209	301	–	281	858	83	775
26	215	258	247	214	266	222	277	352	296	214	213	219	198	202	228	208	238	343	380	377	398	401	362	326	–	277	628	74	554
27	243	200	160	138	127	133	127	169	192	212	203	211	173	137	87	73	117	164	192	205	157	121	120	147	–	159	377	29	348
28	119	198	247	236	203	155	256	285	246	267	266	199	190	171	152	141	183	182	190	197	194	165	147	78	–	195	364	37	327
29	86	87	51	28	69	84	124	147	159	194	227	258	224	214	197	145	78	91	85	–	–	–	-121	-108	–	–	–	–	–
30	-284	-526	-457	-636	-493	-141	-248	-317	-199	71	131	134	134	182	159	201	206	205	222	228	163	168	168	177	–	-31	290	-1278	1568
A	218	185	174	167	186	222	246	257	246	233	221	217	201	199	197	188	203	279	323	337	343	311	258	232	237				
N	<171	148	130	128	154	194	217	222	217	199	183	>173	163	168	173	156	154	218	267	301	305	280	217	197	197				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	c	o,r	b	o,r,j	c,r,m	b	b	b	o	c	o,r	c,r	c	b	c	o	c,r	c,m,f	b	c,m	b,m	b,m	o,r	o,r	b	b,f	o,r	b,m	c,m,r	c,m

October 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	173	141	112	134	162	140	120	143	115	147	158	51	106	221	201	237	316	377	315	232	212	159	163	222	–	182	447	-104	551
2	195	191	197	203	225	245	156	114	150	149	140	110	128	79	<-200	-49	25	58	-17	69	118	5	-49	14	–	94	724	<-1395	>2119
3	50	69	89	107	133	70	99	76	137	153	147	135	139	157	161	146	309	418	364	396	292	196	154	147	–	173	646	-14	660
4	129	70	36	80	133	167	220	201	182	152	138	154	159	176	<-623	|	-37	23	48	128	|	<-26	25	20	–	–	–	–	–
5	36	68	158	165	134	211	246	215	162	179	131	130	117	<-314	|	>-204	-268	|	>-223	<-356	-151	-26	6	-27	–	–	–	–	–
6	23	44	28	-152	-418	<-352	44	121	81	90	120	166	159	122	161	199	246	255	224	220	204	145	147	151	–	85	384	<-1395	>1779
7	131	103	93	60	74	116	135	128	132	161	138	47	-249	-33	140	<-82	<-171	39	85	<-355	<-61	13	4	11	–	28	480	<-1395	>1886
8	|	24	67	100	139	135	192	179	133	52	85	<19	<-458	<-81	75	115	168	251	203	231	280	217	190	171	–	–	–	–	–
9	169	181	148	179	194	233	189	10	82	126	131	122	98	174	139	183	182	197	239	206	77	55	154	150	–	151	322	-110	432
10	103	128	125	135	111	141	216	274	310	253	56	-17	-35	-18	-103	-110	-18	>-9	-137	15	16	11	28	54	–	64	>1390	-667	>2057
11	79	65	53	102	123	146	160	191	189	218	–	–	–	–	–	104	189	182	207	167	140	152	136	151	–	–	–	–	–
12	130	100	50	-61	<-123	17	-116	-96	2	118	>70	|	>-4	|	102	129	149	122	135	153	130	116	116	93	–	–	–	–	–
13	75	67	88	85	84	115	249	243	293	219	266	315	270	|	15	285	233	240	244	315	226	207	147	81	–	–	–	–	–
14	84	114	130	121	121	141	180	238	179	162	195	194	162	230	164	-188	142	209	130	217	213	168	119	144	–	149	317	-1335	1652
15	99	165	149	186	210	180	120	35	129	142	132	13	183	180	198	|	318	171	183	279	337	305	283	276	–	–	–	–	–
16	264	247	246	187	200	147	231	203	180	172	143	129	126	150	165	225	354	376	428	390	297	279	309	238	–	237	884	68	816
17	115	88	218	231	301	356	233	364	403	229	170	160	151	147	209	204	126	90	152	40	51	55	75	78	–	177	521	-91	612
18	54	95	117	143	207	248	224	167	202	208	207	205	219	249	284	261	149	102	122	106	125	107	70	39	–	163	437	-9	446
19	83	69	86	98	67	44	50	110	251	343	298	262	233	222	167	125	67	110	214	293	216	99	337	294	–	172	592	-58	650
20	78	180	5	30	189	171	285	174	140	221	223	237	232	227	228	258	240	219	211	178	160	132	123	82	–	176	413	-78	491
21	85	73	60	42	25	36	8	39	27	89	-46	-104	-42	-42	-4	-48	-87	-268	-259	-379	-52	-20	-38	2	–	-37	178	-662	840
22	-10	21	38	32	-139	30	66	74	81	81	89	143	110	86	68	125	42	163	128	164	167	129	144	170	–	83	326	-434	760
23	58	116	115	136	165	219	237	274	292	232	155	178	166	181	217	261	247	365	559	862	842	794	670	589	–	331	1148	33	1115
24	463	527	466	498	261	122	212	245	335	343	263	245	227	220	234	217	263	399	478	456	452	454	367	306	–	336	756	47	709
25	227	179	159	206	262	244	256	290	303	308	297	273	260	316	352	353	370	321	203	229	231	26	52	-42	–	237	415	-119	534
26	-32	-169	-115	-95	-344	-583	-626	-348	-75	69	145	175	185	159	93	243	243	241	347	477	384	274	266	261	–	49	580	-977	1557
27	232	192	252	230	301	303	319	314	260	308	294	239	230	271	280	331	347	411	511	453	410	381	326	307	–	313	674	83	591
28	275	289	245	255	261	289	334	336	290	325	295	290	255	263	312	361	448	517	568	484	407	324	252	222	–	329	681	136	545
29	280	227	154	199	123	145	239	300	303	325	321	308	369	386	378	348	363	443	439	342	255	222	179	135	–	283	532	69	463
30	124	142	154	66	76	144	228	253	243	241	204	160	141	-2	41	21	13	-93	-644	-566	-86	-29	51	21	–	38	452	-1241	1693
31	143	202	204	206	226	216	210	281	368	331	202	263	254	243	152	228	255	230	131	182	204	171	157	172	–	218	471	40	431
A	229	230	229	228	207	200	224	264	279	256	221	243	247	259	234	237	293	345	351	400	335	227	257	257	261				
N	131	129	127	126	<120	<140	152	166	190	196	176	164	156	168	164	169	<180	212	194	<219	212	<171	160	146	165				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	o,m,r	o,r	c	c,r	o,r	c,r	o,r	o,m,f,	o,r	o,r	o,r	c,r,m	c,r,l,	o,r	c,r,h	o,hf	b,f,hf	b,hf,m	c,hf	o,hf,m	o,r,d	o,r,g	c,s,hf	c,hf	c,hf,r	c,r,m	c,hf,r	b,hf	c,hf	o,r	o,m,f
	a							r					h							f											

November 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	188	167	160	142	120	101	83	126	210	264	270	329	289	252	261	216	255	285	263	249	244	200	170	130	–	207	383	33	350
2	138	141	69	46	-21	8	-1	7	-2	-54	-52	78	10	-61	-5	<-795	-280	-32	140	176	220	239	246	265	–	<20	689	<-1390	>2079
3	169	171	25	25	54	42	129	114	231	255	253	233	265	301	357	403	393	356	320	337	258	319	291	129	–	226	484	-201	685
4	126	125	131	132	140	165	242	275	224	206	212	191	177	206	148	187	-66	58	137	188	165	120	71	56	–	151	340	-1052	1392
5	30	67	103	119	123	178	252	281	297	254	200	184	260	320	305	326	396	458	484	439	473	406	395	333	–	278	589	-63	652
6	203	152	158	87	211	204	207	287	210	145	146	190	263	262	333	437	431	374	375	357	334	250	185	161	–	248	612	17	595
7	158	151	167	164	156	175	187	151	155	128	104	137	161	207	227	207	215	283	334	379	224	129	144	166	–	188	537	8	529
8	180	273	305	241	372	559	484	418	525	415	255	308	302	361	410	446	403	447	237	357	140	251	233	113	–	335	942	-83	1025
9	123	260	298	118	207	182	132	127	60	113	114	195	170	157	187	189	178	200	446	427	363	300	227	184	–	207	579	-14	593
10	150	143	134	158	184	217	260	286	284	278	248	242	305	285	374	455	552	640	625	620	581	401	360	290	–	336	835	79	756
11	270	295	311	322	294	323	384	400	444	380	331	350	363	397	452	292	130	296	319	358	318	272	257	174	–	322	691	12	679
12	153	129	124	204	130	144	272	263	94	297	170	275	256	315	332	370	340	465	271	457	544	398	177	144	–	263	824	14	810
13	108	84	81	137	161	208	236	249	199	137	150	198	272	313	341	423	506	557	390	335	521	497	300	72	–	270	983	-40	1023
14	144	111	169	237	243	267	323	387	328	218	261	161	29	165	235	108	184	153	104	60	11	-31	54	11	–	164	842	-186	828
15	63	-12	120	192	-12	164	221	178	78	-64	-73	55	-31	67	40	-13	43	-38	67	13	1	20	85	63	–	51	503	-189	692
16	94	79	67	56	37	41	75	99	94	57	100	215	275	268	308	242	210	78	110	34	118	296	226	107	–	137	483	-43	526
17	148	133	110	200	138	145	115	47	-39	<-80	<-487	-11	-163	-130	-277	-144	<-284	-104	-94	20	99	83	88	73	–	<-17	550	<-1390	>1940
18	30	75	101	92	115	119	151	123	156	153	128	49	34	-51	-60	3	13	27	-30	-94	-50	-48	-98	-317	–	26	201	-732	933
19	<-535	34	32	5	-48	-55	-46	-26	21	18	56	-166	-4	-26	-131	-75	-34	-70	-78	-45	-81	-120	-18	-79	–	<-81	980	<-1380	>2359
20	-4	<-515	33	22	77	164	184	238	208	200	207	207	203	212	255	287	295	331	378	382	492	266	131	135	–	<183	853	<-1390	>2243
21	147	180	129	100	152	149	254	192	301	327	296	196	221	176	215	199	128	241	289	307	348	330	265	276	–	226	435	25	410
22	300	223	138	145	239	216	211	106	196	288	324	311	335	307	292	256	160	154	176	180	169	142	106	198	–	215	405	0	405
23	161	125	103	117	132	135	183	216	244	290	314	325	316	336	310	226	203	208	271	274	237	243	205	187	–	223	409	2	407
24	176	125	157	135	152	182	219	282	246	327	337	311	328	301	234	133	105	106	97	116	130	339	332	301	–	215	439	14	425
25	216	165	165	184	181	179	233	233	272	238	277	333	361	373	356	327	319	340	400	413	348	305	268	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	306	338	343	330	321	237	270	416	451	458	384	346	353	–	–	–	–	–
27	300	281	215	105	100	86	141	154	198	219	221	201	232	263	313	317	357	339	354	366	345	333	287	254	–	249	450	-52	502
28	232	222	222	223	242	262	290	319	292	296	316	315	290	267	238	234	266	241	210	184	175	180	138	105	–	240	557	44	513
29	140	124	163	182	166	171	210	226	203	226	231	244	235	238	251	281	281	396	426	451	295	304	200	277	–	247	558	43	515
30	177	73	47	104	69	87	126	132	176	179	131	37	67	123	147	171	105	144	161	33	173	123	126	106	–	117	279	-97	376
A	200	185	187	180	197	245	337	320	281	269	275	281	295	305	318	309	303	365	419	429	391	339	281	232	289				
N	131	123	139	138	142	166	199	203	204	197	174	200	205	218	226	<201	<201	240	253	261	255	231	193	147	194				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	o	o,m,r	o,m	c,r	o,r	o	o	o,hf,f, m,d	o,d	e,hf	c,hf	o,m,hf	o	o,f,d, m	o,m	o,m,f, r,hf	o,hf,f, r	o,r,d	o,r	c,r	c,hf,d	e,m	c,f,m	c,f	e,m	o,r	c,r	e	o	o,r,d

December 2003

Electric field strength [V/m]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	94	74	87	87	85	97	95	77	86	115	130	120	[122]	[169]	131	97	141	150	113	87	87	83	75	77	–	103	404	-1	405
2	71	68	73	94	118	155	139	136	121	100	116	135	157	128	154	171	222	219	283	313	313	327	264	236	–	171	480	18	462
3	77	128	100	131	74	266	323	361	338	259	265	296	348	357	426	564	578	463	131	171	484	496	358	293	–	304	974	-89	1063
4	331	347	159	427	58	123	251	306	170	21	158	153	0	174	168	65	142	38	117	108	204	171	-13	63	–	156	635	-154	789
5	124	103	39	51	47	-10	-44	-66	-79	-77	-139	-156	-127	-165	-171	-96	-42	-52	-59	-34	-54	-75	-176	-229	–	-62	291	-343	634
6	-341	-123	-24	|	|	|	71	69	-123	|	-14	35	-87	33	146	175	277	304	366	372	387	353	267	253	–	–	–	–	–
7	211	179	173	169	147	132	130	85	92	129	168	220	263	159	158	231	229	266	244	246	280	247	204	190	–	190	366	-184	530
8	167	156	140	114	95	88	31	-64	-81	-43	-46	-36	-150	-215	-175	-135	-97	-24	97	-8	6	-21	35	31	–	-6	278	-303	581
9	20	53	62	58	134	223	194	215	193	181	222	251	342	302	209	164	257	277	257	229	348	235	121	27	–	191	504	-89	573
10	45	59	38	123	153	166	207	220	266	278	328	227	339	414	470	413	376	464	452	418	340	317	289	265	–	278	596	-40	636
11	238	227	226	234	266	303	319	367	421	442	421	324	349	357	478	500	527	486	457	466	401	274	275	246	358	358	839	164	675
12	246	223	205	136	206	254	250	225	220	203	152	90	10	65	42	49	-95	-187	-81	-44	124	226	190	211	–	122	360	-355	715
13	189	181	161	170	190	210	187	180	233	189	185	181	179	183	148	106	-36	-33	-146	-158	-104	-25	28	24	–	101	296	-320	616
14	-42	19	54	21	-25	-234	-334	-229	-166	-228	-309	71	<-286	<-793	<-1071	-81	-46	-533	<-1116	<-435	125	124	125	128	–	<-219	180	<-1390	>1570
15	136	141	134	|	<-269	|	164	280	347	131	18	158	26	73	140	246	273	304	313	294	271	246	219	180	–	–	–	–	–
16	132	130	73	47	89	172	214	181	175	17	-51	-5	-1	34	2	150	103	113	205	279	271	249	178	101	–	119	357	-294	651
17	117	150	179	150	179	202	215	250	273	342	345	343	357	346	274	246	168	34	52	-83	-234	-185	-24	-52	–	151	447	-726	1173
18	-38	-78	-41	-25	-22	0	-36	-26	44	-5	-7	-61	-74	-34	25	156	256	191	166	113	197	221	238	225	–	58	330	-224	554
19	212	121	135	162	181	199	235	248	277	405	354	358	372	297	241	352	322	254	153	157	153	43	39	65	222	222	487	0	487
20	81	89	90	63	50	37	53	56	9	-12	-29	-52	-2	42	18	35	131	135	111	139	84	72	51	50	–	54	290	-124	414
21	50	83	12	42	56	102	94	110	154	207	215	243	253	241	-735	<-451	16	89	135	151	143	172	180	157	–	<72	813	<-1390	>2203
22	144	133	0	65	99	138	160	176	228	217	231	186	188	201	255	251	268	276	252	111	62	105	157	137	–	168	814	-815	1629
23	155	145	134	152	155	146	92	129	51	156	198	339	322	325	290	344	344	319	323	292	253	234	239	206	–	223	549	-445	994
24	188	174	194	191	177	131	169	170	75	92	115	309	361	361	423	486	438	439	254	296	262	291	231	210	–	252	618	-47	665
25	254	180	205	226	241	254	199	132	198	324	415	400	385	373	399	407	385	371	369	409	285	307	242	324	–	303	543	-34	577
26	268	219	193	172	149	97	126	140	137	149	167	202	176	154	176	151	116	264	264	216	178	203	195	188	–	179	346	40	306
27	151	161	149	138	174	187	215	230	263	303	319	356	380	382	408	408	407	410	410	422	413	352	304	286	301	301	495	108	387
28	253	225	216	250	245	241	194	213	260	292	328	288	300	291	283	279	258	265	256	260	188	166	185	178	247	247	369	29	340
29	167	153	144	137	138	138	163	188	152	165	208	214	217	230	265	310	262	241	129	-10	14	53	-13	-35	–	151	392	-89	481
30	22	-178	5	110	117	60	39	-89	6	11	25	86	113	126	126	141	135	-48	-254	63	60	91	94	35	–	37	381	-745	1126
31	48	31	-4	-74	-22	-4	-8	-150	-8	22	9	-11	28	66	98	37	99	89	119	108	101	109	151	154	–	41	235	-255	490
A	168	157	150	157	164	187	208	224	273	264	294	306	321	324	368	389	314	333	282	297	271	240	198	171	252				
N	122	115	107	125	110	134	132	133	140	146	145	170	157	151	<123	<186	207	180	<141	<159	182	176	152	136	147				

Type of weather

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	o,d	o	o,f	o,f,d	o,d,r	c,r,s, g	c,g	o,d	o,d	c,hf	c,hf	o,hf,f, r,d	o,r	o,r	c,r,s	c,s,g	o,s,r	o,r,m	b,f,hf	o,f,s, r,d,hf	o,r	o,r,s, g	c,s	b,hf	c,s	o,r	c	c	o,r	o,r,f	o,r,s

January 2003

Air conductivity (positive) * 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	17	18	19	20	21	20	21	20	21	22	24	29	30	34	34	26	23	23	25	26	26	27	27	29		24	24	46	14	32
2	31	31	33	39	41	41	43	43	40	38	33	29	30	31	32	31	31	29	27	26	27	30	31	30		—	33	52	18	34
3	33	36	38	34	28	25	27	27	30	30	26	27	32	31	30	33	30	30	31	32	32	32	35	37		—	31	47	19	28
4	36	38	37	37	35	37	40	—	—	—	37	36	35	32	32	33	29	27	26	26	24	24	24	22		—	—	—	—	—
5	22	22	21	21	21	22	24	25	26	26	26	27	27	26	27	30	30	29	29	29	30	30	30	31		—	26	37	16	21
6	32	31	30	31	32	28	28	29	33	28	29	27	27	26	23	21	21	20	21	21	21	21	23	24		—	26	64	16	48
7	24	24	25	26	27	30	28	26	26	31	34	33	30	30	29	29	27	27	29	29	27	27	30	30		—	28	50	19	31
8	33	34	36	35	35	33	31	29	28	27	26	26	26	25	23	21	20	18	17	16	16	16	16	16		—	25	59	10	49
9	16	17	17	18	19	19	18	19	18	17	18	19	20	20	19	19	18	18	17	18	17	18	18	18		—	18	25	12	13
10	19	20	21	22	23	23	23	23	22	23	24	24	25	25	24	22	22	22	24	29	32	31	29	29		—	24	53	15	38
11	29	28	30	29	29	31	29	26	28	30	31	28	28	28	22	21	19	18	16	16	16	17	17	18		—	24	52	12	40
12	21	24	26	28	30	31	32	30	28	28	28	27	26	27	25	25	26	28	27	29	30	32	33	33		—	28	41	15	26
13	33	32	36	35	41	39	38	37	37	35	34	33	32	32	30	27	28	30	32	32	32	28	32	34		—	33	49	22	27
14	34	34	36	36	37	35	29	31	36	34	38	38	36	36	31	35	37	35	35	37	38	40	42	50		—	36	63	21	42
15	47	47	43	43	40	41	41	37	39	38	38	37	36	36	36	37	38	39	40	39	40	43	42	47		—	40	60	30	30
16	47	49	47	46	42	41	40	37	36	35	35	38	40	37	37	35	40	41	41	41	41	40	47	43		—	41	63	29	34
17	41	40	41	42	45	43	39	39	34	35	37	34	35	37	37	29	25	23	23	22	23	23	23	23		—	33	54	17	37
18	24	25	24	25	27	29	29	29	30	31	32	33	33	34	30	24	26	24	27	26	26	30	31	29		—	28	39	17	22
19	29	31	30	30	28	26	27	28	29	27	30	30	30	30	31	30	28	28	30	28	26	26	25	26		—	28	41	20	21
20	28	29	30	31	27	28	28	25	28	30	30	31	31	29	26	25	26	25	26	27	27	27	28	29		—	28	37	20	17
21	31	29	28	32	30	32	32	31	33	34	33	33	34	34	34	33	33	33	34	34	35	35	36	37		—	33	45	23	22
22	38	40	40	40	41	42	41	41	39	38	38	38	38	39	38	37	37	38	39	39	41	42	43	44		—	40	50	30	20
23	46	48	50	52	52	48	45	41	39	38	35	33	35	31	28	31	31	32	31	29	31	30	28	26		—	37	63	21	42
24	28	28	28	28	28	27	26	26	26	27	29	29	29	27	28	27	25	25	24	24	25	25	25	26		—	27	37	19	18
25	27	28	29	31	31	32	32	33	31	35	39	42	41	40	39	38	35	37	42	37	41	33	34	33		—	35	55	21	34
26	37	39	36	33	34	36	37	38	37	35	36	41	42	42	39	34	33	36	35	37	39	38	38	33		—	37	49	22	27
27	33	38	39	39	40	39	36	37	38	37	37	37	39	39	36	35	38	38	38	38	38	40	40	41		—	38	49	24	25
28	43	45	45	49	57	65	49	43	44	43	54	52	47	46	46	47	40	42	42	40	42	36	50	50		—	47	78	25	53
29	51	53	49	46	50	51	45	49	50	47	44	43	44	42	38	37	35	35	31	31	31	31	29	30		—	41	77	23	54
30	32	32	33	35	33	36	33	30	31	37	39	40	36	32	36	35	28	27	27	27	27	28	29	28		—	32	68	20	48
31	28	27	27	27	26	28	27	25	27	29	34	34	40	35	31	27	24	24	22	22	21	20	19	20		—	27	51	15	36
A	28	27	30	31	32	31	24	29	28	29	29	30	29	31	30	27	27	28	28	28	29	27	28	28	29					
N	32	33	33	34	34	34	33	32	32	32	33	33	33	33	31	30	29	29	29	29	30	30	31	31	32					

February 2003

Air conductivity (positive) * 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2	–	–	–	–	–	–	–	–	–	–	–	–	9	11	9	5	3	3	4	4	4	6	7	7	–	–	–	–	–	–
3	6	8	8	8	8	7	7	6	6	7	4	–	–	–	–	–	–	–	–	–	4	5	8	7	–	–	–	–	–	–
4	5	4	5	5	9	12	14	9	6	5	8	8	7	5	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5	–	–	–	–	4	4	3	3	3	8	9	9	11	11	10	9	10	11	10	10	11	12	13	15	–	–	–	–	–	–
6	12	12	15	18	12	14	15	19	16	14	13	14	15	12	13	7	8	10	14	15	16	20	19	15	–	14	37	3	34	
7	15	16	14	13	14	14	10	8	7	8	9	6	8	8	8	6	5	6	6	7	8	14	16	20	–	10	43	3	40	
8	21	22	25	21	21	18	16	13	13	12	12	10	10	9	5	6	8	4	6	5	6	6	5	4	–	12	49	2	47	
9	4	5	6	9	12	10	11	11	18	17	17	18	15	13	13	15	15	13	15	11	10	12	19	17	–	13	57	2	55	
10	25	24	27	29	29	31	25	16	20	26	31	33	35	31	21	11	8	–	–	4	9	10	9	10	–	–	–	–	–	
11	11	12	15	18	12	11	9	9	15	23	25	28	25	23	21	18	16	14	16	16	17	16	19	24	–	17	59	3	56	
12	26	24	26	27	23	22	18	13	11	10	8	9	9	7	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
14	–	–	–	–	–	–	–	–	–	–	–	–	–	7	4	5	5	7	5	4	4	6	8	8	–	–	–	–	–	
15	7	8	7	11	12	14	19	20	19	20	23	22	25	24	23	21	20	22	23	19	20	20	20	22	–	18	62	2	60	
16	19	19	20	22	21	19	16	13	11	10	11	9	10	8	7	5	–	–	–	–	–	–	–	–	–	–	–	–	–	
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
18	–	–	–	–	–	–	–	5	6	7	8	10	15	14	9	12	4	3	3	9	17	7	11	18	–	–	–	–	–	
19	16	19	21	34	28	18	12	12	12	12	14	15	13	14	12	10	9	7	6	6	8	16	17	15	–	14	62	3	59	
20	20	22	27	37	33	29	20	19	16	15	16	15	16	13	16	16	17	15	14	14	14	17	19	18	–	19	74	4	70	
21	23	25	31	29	24	23	14	14	17	17	23	23	24	8	9	7	4	–	–	–	–	–	–	–	–	–	–	–	–	
22	–	–	–	–	–	–	–	–	–	–	4	7	11	11	10	9	–	–	–	–	–	–	–	–	–	–	–	–	–	
23	–	–	–	–	–	–	–	–	–	–	5	11	10	9	9	8	–	–	–	–	–	–	–	–	–	–	–	–	–	
24	–	–	–	–	–	–	–	–	–	–	–	4	6	6	6	5	–	–	–	–	–	–	–	–	–	–	–	–	–	
25	–	–	–	–	–	–	–	–	–	–	–	–	4	5	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
26	–	–	–	–	–	–	–	–	–	–	–	5	8	9	7	5	–	–	–	–	–	4	5	4	–	–	–	–	–	
27	4	6	7	9	9	7	8	7	7	8	8	7	7	8	8	6	5	4	–	–	–	–	–	–	–	–	–	–	–	
28	–	–	–	–	–	–	–	–	–	–	–	–	–	9	5	5	5	4	7	10	10	11	16	19	–	–	–	–	–	
A	10	13	7	8	7	6	8	6	5	8	7	11	11	11	8	7	6	7	9	8	7	7	6	5	8					
N	14	15	17	19	17	16	14	12	12	13	13	13	13	11	10	9	8	9	10	10	11	11	13	14	13					

March 2003

Air conductivity (positive) * 10^{-18} [ohm^{-1} m^{-1}]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	20	20	18	13	18	18	14	11	9	7	8	9	11	10	10	15	9	7	–	8	7	7	7	8		–	–	–	–	–
2	8	9	12	10	10	11	10	10	10	10	14	15	15	14	13	13	8	7	8	8	8	7	–	–		–	–	–	–	–
3	–	7	6	6	8	9	6	6	11	12	14	15	14	16	11	9	6	7	6	8	5	4	4	4		–	–	–	–	–
4	5	7	7	7	8	4	4	6	5	6	5	8	9	5	9	9	6	7	6	6	5	3	4	4		–	6	26	2	24
5	3	3	3	3	–	–	–	–	6	7	7	8	6	4	5	3	–	–	–	–	–	–	–	–		–	–	–	–	–
6	3	5	4	4	8	4	4	3	7	9	10	12	13	14	12	9	4	–	–	–	–	4	6	6		–	–	–	–	–
7	5	3	3	4	4	–	–	–	–	5	7	9	11	13	15	11	4	3	–	–	–	–	–	–		–	–	–	–	–
8	–	–	–	–	–	–	–	–	5	5	7	10	11	12	12	9	7	5	–	–	–	–	–	–		–	–	–	–	–
9	4	4	3	4	4	4	4	3	6	7	8	8	9	10	8	6	5	4	4	3	3	4	3	3		–	5	15	2	13
10	4	5	5	5	6	6	7	7	7	8	7	8	7	5	4	5	3	–	–	–	–	–	–	–		–	–	–	–	–
11	–	–	–	–	–	4	4	4	5	8	10	12	16	16	15	11	7	5	6	6	5	5	7	9		–	–	–	–	–
12	10	10	10	10	12	23	16	18	15	14	18	21	18	23	20	19	13	18	16	22	31	37	41	43		–	20	58	2	56
13	48	50	51	53	50	43	34	30	15	14	15	11	6	15	18	14	8	11	10	14	18	20	26	26		–	25	72	2	70
14	26	28	28	32	30	24	22	19	18	22	23	22	21	24	20	20	18	19	18	16	14	14	10	9		–	21	59	3	56
15	14	18	20	20	23	21	17	20	26	28	28	32	31	26	23	18	17	19	14	19	11	8	6	6		–	19	53	2	51
16	5	5	6	4	4	4	6	5	5	4	6	7	9	11	10	11	9	7	–	–	–	–	–	–		–	–	–	–	–
17	–	–	3	4	5	6	6	6	7	8	9	11	15	14	16	13	15	13	14	9	8	8	8	12		–	–	–	–	–
18	13	11	12	14	14	14	12	10	12	15	21	26	27	27	25	26	18	12	13	14	14	16	18	21		–	17	51	4	47
19	23	19	14	19	18	14	11	10	11	13	15	11	9	10	9	7	7	7	9	11	12	11	12	11		–	12	44	2	42
20	13	15	15	15	14	18	16	13	13	14	25	30	26	25	25	23	22	20	19	18	18	22	23	22		–	19	48	6	42
21	22	32	33	37	37	29	27	26	22	17	16	17	15	18	18	19	16	8	4	6	5	5	5	5		18	18	57	2	55
22	–	–	–	–	–	–	5	6	10	13	18	18	13	11	12	8	6	5	–	–	–	–	–	–		–	–	–	–	–
23	–	–	5	4	5	6	7	7	8	10	9	10	11	11	11	11	11	11	10	11	8	9	5	–		–	–	–	–	–
24	5	4	5	8	10	10	10	9	9	12	11	13	12	10	12	14	16	14	7	7	7	3	3	3		9	9	23	2	21
25	–	–	–	–	–	–	–	7	9	14	12	13	15	17	18	17	14	13	13	11	11	10	8	6		–	–	–	–	–
26	4	3	3	4	5	5	6	11	17	20	21	25	28	30	28	30	18	9	7	6	7	8	9	6		–	13	54	2	52
27	8	9	6	7	8	8	12	14	17	20	19	22	20	22	22	22	18	14	10	12	13	13	12	11		14	14	30	3	27
28	14	13	12	12	9	9	11	11	12	13	13	14	15	17	20	21	30	14	11	9	9	10	7	7		–	13	47	2	45
29	7	8	7	9	9	9	6	6	7	9	10	9	10	11	13	15	11	7	5	5	5	–	–	–		–	–	–	–	–
30	–	–	–	–	–	–	3	5	9	12	14	16	20	22	25	25	20	15	13	11	10	13	16	18		–	–	–	–	–
31	23	23	22	25	23	23	24	27	32	33	33	>27	24	27	25	29	36	24	23	24	25	27	32	35		–	27	74	9	65
A	13	13	10	12	12	12	12	13	13	13	14	15	17	16	16	16	13	11	10	10	12	14	14	15		13				
N	12	13	12	13	14	13	11	11	12	13	14	>15	15	16	16	15	13	11	10	11	11	11	12	13		13				

April 2003

Air conductivity (positive) * 10^{-16} [ohm^{-1} m^{-1}]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	29	30	33	32	27	21	13	13	12	17	27	19	16	16	15	18	14	9	8	9	10	11	14	14		—	18	49	3	46
2	14	18	17	16	17	14	13	15	17	14	18	16	15	20	21	18	23	21	23	15	12	11	13	15		—	17	37	6	31
3	16	17	14	9	6	6	15	18	15	20	22	25	23	24	24	24	23	26	24	14	12	14	19	22		—	18	42	3	39
4	25	27	29	31	22	20	21	20	20	23	28	27	27	26	27	24	21	18	16	17	15	15	15	7		—	22	54	4	50
5	13	11	13	13	12	11	14	18	19	19	21	19	20	25	29	30	19	23	25	23	37	39	36	44		—	22	64	2	62
6	34	37	44	35	42	25	11	15	26	25	30	33	41	29	23	40	37	25	19	21	15	25	31	35		—	29	74	3	71
7	37	36	36	38	38	29	21	19	23	24	21	19	17	19	14	13	9	7	12	12	12	14	17	16		—	21	56	4	52
8	22	30	25	25	23	18	16	19	16	17	16	16	18	14	14	12	12	8	9	11	12	19	24	19		—	17	58	2	56
9	17	18	23	26	23	22	21	18	19	16	14	13	12	11	11	11	13	14	11	5	3	—	3	5		—	—	—	—	—
10	—	—	7	8	5	5	8	10	10	11	11	10	11	13	16	10	6	4	5	12	4	—	—	—		—	—	—	—	—
11	5	5	5	5	8	6	9	15	13	8	8	11	13	13	15	14	8	8	7	7	7	6	7	8		—	9	23	2	21
12	6	6	7	8	8	9	10	11	12	16	20	22	20	21	24	22	21	14	7	3	—	—	—	—		—	—	—	—	—
13	—	—	3	3	4	4	6	17	26	30	29	33	37	41	36	34	33	22	12	8	7	8	6	7		—	—	—	—	—
14	9	12	13	14	12	11	15	28	34	33	35	37	35	35	37	35	32	21	14	11	11	15	19	20		—	22	57	3	54
15	31	36	29	28	26	22	28	34	35	36	37	37	37	35	33	32	26	18	8	7	8	9	10	11		—	26	74	3	71
16	13	15	16	16	16	20	25	28	31	31	32	31	34	32	34	32	29	14	7	4	—	4	8	7		—	—	—	—	—
17	5	8	8	9	10	11	13	16	10	13	16	17	19	19	22	20	23	20	12	6	—	4	5	4		—	—	—	—	—
18	6	6	7	8	8	10	18	20	18	16	18	17	17	16	17	16	15	16	12	13	16	19	20	20		—	15	43	4	39
19	23	21	16	15	14	14	15	15	15	16	17	17	18	20	23	26	25	24	21	14	13	20	24	22		—	19	63	7	56
20	22	20	21	19	19	15	15	16	13	14	15	16	16	17	19	19	22	19	15	12	11	11	10	10		16	16	45	5	40
21	13	16	16	13	15	17	18	20	20	20	21	23	24	25	30	31	32	30	17	13	9	7	7	8		19	19	61	3	58
22	9	10	11	15	19	20	21	21	22	—	13	20	22	17	17	26	26	23	19	18	22	21	20	20		—	—	—	—	—
23	23	24	22	21	20	21	21	17	16	19	21	21	20	14	7	12	12	6	5	5	6	7	11	11		—	15	74	2	72
24	7	5	3	7	10	11	14	16	20	23	23	24	25	19	17	25	25	22	14	13	16	17	25	25		—	17	61	2	59
25	25	21	20	22	24	24	27	29	28	30	27	26	27	27	26	21	28	24	13	11	14	17	19	20		23	23	54	4	50
26	23	27	30	25	23	22	20	20	22	25	22	25	27	25	25	23	22	18	19	20	19	20	21	21		—	23	74	12	62
27	24	31	28	24	22	20	20	19	16	17	22	30	27	33	34	23	24	20	9	8	11	12	32	37		—	23	46	3	43
28	40	27	21	18	14	22	26	26	27	22	25	19	26	27	32	31	30	28	16	10	9	9	10	14		—	22	62	2	60
29	16	15	14	11	13	17	20	24	24	19	17	22	26	23	24	32	36	31	30	29	22	19	23	25		—	22	53	4	49
30	25	24	21	19	19	20	31	31	26	21	24	25	32	31	29	30	28	25	24	27	28	31	34	34		—	27	53	8	45
A	19	19	18	17	16	16	19	21	22	23	24	23	26	26	27	27	26	20	16	12	13	14	15	15		20				
N	19	20	18	18	17	16	18	20	20	21	22	22	23	23	23	23	22	19	14	13	13	15	17	18		19				

May 2003

Air conductivity (positive) * 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	35	38	36	33	41	38	41	42	38	39	37	33	35	37	32	29	30	34	29	21	18	18	19	19		—	32	53	10	43
2	16	14	13	10	10	19	30	32	23	24	28	28	28	26	27	26	28	29	17	12	12	14	16	20		—	21	44	4	40
3	21	23	28	29	27	25	24	23	24	25	22	28	23	34	34	32	28	30	31	28	33	41	42	38		—	29	57	12	45
4	37	36	34	34	34	31	29	24	21	19	20	15	19	25	29	31	31	31	30	20	15	16	13	13		25	25	46	7	39
5	11	10	—	—	10	20	24	25	24	19	21	26	20	20	24	26	27	30	26	22	29	33	32	31		—	—	—	—	—
6	30	31	28	23	25	27	20	20	19	19	23	27	26	26	31	35	37	34	31	24	20	25	25	29		26	26	67	3	64
7	30	35	35	35	30	31	35	37	34	30	30	30	32	37	33	37	44	43	25	26	23	20	21	20		—	31	74	12	62
8	20	19	18	18	21	31	33	28	31	31	31	32	35	32	31	32	30	25	19	17	16	20	32	36		27	27	54	9	45
9	36	35	30	27	25	28	26	25	18	31	28	24	25	29	29	30	30	26	27	25	25	25	25	25		—	27	57	5	52
10	24	29	36	32	25	25	28	20	28	29	25	23	24	22	22	23	26	25	19	14	12	14	15	18		—	23	73	5	68
11	19	24	22	18	26	22	23	23	26	27	31	32	33	29	25	27	25	22	23	25	22	21	21	20		—	24	53	6	47
12	22	21	18	21	19	24	25	24	24	21	22	23	23	23	21	24	33	35	26	14	12	10	—	12		—	—	—	—	—
13	11	11	12	15	15	16	20	24	26	—	20	24	24	26	30	34	24	24	19	13	—	14	—	—		—	—	—	—	—
14	—	—	—	—	—	—	—	24	21	25	24	22	21	22	21	22	22	14	13	13	12	10	9	9		—	—	—	—	—
15	9	10	9	10	10	11	13	11	16	23	25	26	28	24	16	—	12	10	—	—	—	—	—	9		—	—	—	—	—
16	9	16	17	16	20	26	25	29	20	21	24	17	23	20	22	23	23	29	25	9	6	—	—	—		—	—	—	—	—
17	—	—	—	—	—	8	15	15	18	18	19	19	23	22	18	20	21	17	13	11	11	11	14	13		—	—	—	—	—
18	13	20	11	9	14	19	20	20	23	24	28	29	29	30	33	32	31	35	26	17	15	15	18	16		—	22	49	3	46
19	16	14	10	8	16	29	31	28	32	32	28	28	22	24	24	26	29	27	19	14	10	11	10	13		—	21	51	3	48
20	13	14	16	15	22	30	34	37	34	34	33	28	28	27	30	35	32	29	27	17	10	9	9	9		—	24	50	3	47
21	11	15	13	21	13	20	29	30	35	33	38	39	37	37	41	34	29	29	25	25	18	18	17	16		—	26	54	3	51
22	14	14	16	18	19	21	24	27	26	31	32	34	33	28	23	25	30	26	26	29	19	14	11	12		—	23	74	3	71
23	12	12	12	9	6	12	20	15	—	—	30	28	25	25	24	22	21	23	22	15	13	14	14	11		—	—	—	—	—
24	10	13	10	10	13	19	24	24	27	22	27	33	27	28	31	36	40	43	33	19	20	20	23	28		24	24	60	3	57
25	34	32	33	35	38	41	39	39	37	40	42	45	47	48	53	53	54	>56	51	39	37	35	39	48		—	42	74	24	50
26	40	36	32	36	32	35	37	38	39	45	49	51	52	55	57	63	67	69	50	35	43	46	44	46		46	46	74	15	59
27	46	42	40	38	38	41	40	35	36	37	40	43	46	48	48	42	47	52	47	50	48	45	45	43		—	43	74	25	49
28	43	43	43	41	37	36	36	38	40	39	38	35	33	33	38	46	43	41	43	40	37	39	44	41		—	39	74	23	51
29	41	39	37	35	32	32	33	34	37	42	44	49	52	50	51	>54	55	55	45	33	23	21	30	37		—	40	74	13	61
30	40	40	35	32	29	34	31	35	32	27	25	28	31	29	32	34	38	44	41	29	17	19	17	17		31	31	66	9	57
31	16	18	24	22	17	26	29	29	30	27	26	27	29	31	35	40	43	47	41	27	21	19	18	18		28	28	63	8	55
A	25	26	27	25	24	27	28	28	29	28	30	31	31	33	35	38	37	38	31	23	21	23	24	25		29				
N	23	24	24	23	23	26	28	28	28	29	29	30	30	31	31	>32	33	>33	29	23	21	21	23	23		27				

June 2003

Air conductivity (positive) * 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	16	16	22	31	37	39	46	48	48	48	50	50	47	52	55	57	59	57	57	55	55	57	54	51		—	46	74	10	64
2	50	46	48	43	38	39	41	41	45	46	46	48	45	46	45	43	49	52	40	32	30	30	33	35		42	42	74	20	54
3	38	39	37	33	34	38	41	45	38	40	44	46	50	52	50	45	48	55	50	33	36	35	37	41		42	42	74	19	55
4	43	40	41	38	33	40	37	38	43	46	47	48	45	45	43	42	43	45	48	35	35	41	41	43		42	42	68	20	48
5	41	37	30	34	31	35	32	28	29	30	30	36	38	42	46	45	50	52	43	36	34	35	38	38		—	37	74	20	54
6	40	37	39	39	36	>35	33	42	38	37	41	40	41	38	39	45	48	51	54	47	38	44	47	45		—	41	72	9	63
7	39	35	31	31	40	37	30	28	28	30	31	32	31	36	41	43	46	49	>51	34	19	12	13	13		—	32	74	5	69
8	12	11	10	13	16	25	32	36	33	29	35	42	46	49	53	52	45	51	46	43	42	51	55	52		37	37	71	4	67
9	52	47	39	32	37	39	39	37	41	39	52	59	59	56	46	39	54	48	40	41	45	44	43	40		—	45	74	22	52
10	41	39	40	44	43	36	40	39	33	37	38	37	37	40	41	35	29	34	34	31	21	20	19	17		34	34	74	11	63
11	17	19	22	26	26	27	30	31	29	28	31	34	35	35	38	38	37	37	42	47	54	50	42	44		—	34	74	12	62
12	45	45	46	53	45	43	39	37	38	38	39	31	36	39	43	47	44	42	38	32	26	23	20	18		38	38	74	11	63
13	19	20	20	20	22	24	23	23	28	30	34	35	36	41	39	40	43	45	49	45	45	52	55	49		—	35	74	10	64
14	46	43	38	42	46	36	32	32	35	36	31	31	33	33	40	44	44	48	42	31	30	27	18	18		—	36	70	9	61
15	30	36	46	42	44	44	48	49	37	39	40	37	41	45	45	51	54	53	54	50	43	35	32	32		—	43	74	18	56
16	35	33	26	23	35	37	37	—	—	—	—	—	29	34	28	36	41	27	20	30	22	19	22	26		—	—	—	—	—
17	25	27	30	35	39	41	45	44	50	53	45	44	50	45	47	48	51	55	>59	28	27	23	20	21		—	40	74	10	64
18	28	30	28	30	42	47	45	46	50	48	44	47	47	46	44	45	48	44	34	—	—	—	—	—		—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	32	31	30	27	36	37	32	37	38	35	31	30		—	—	—	—	—
20	31	40	39	33	29	30	35	36	50	30	29	32	30	>36	29	36	35	29	34	30	34	31	32	31		—	33	70	4	66
21	31	34	34	33	33	32	32	31	30	24	24	24	32	34	26	39	38	33	32	37	27	27	22	22		—	31	64	2	62
22	23	21	23	20	23	25	26	24	25	29	26	27	33	19	31	36	33	34	25	25	19	17	20	19		—	25	63	2	61
23	23	20	19	20	27	29	28	32	35	31	—	—	37	36	33	35	36	34	27	28	30	28	25	22		—	—	—	—	—
24	24	19	15	20	24	28	37	39	39	33	23	37	30	38	37	40	41	43	41	31	26	28	30	36		—	32	58	3	55
25	41	42	44	43	40	39	36	34	27	21	21	25	28	30	24	25	27	26	26	32	37	32	34	33		—	32	56	9	47
26	41	41	49	42	42	36	39	37	32	30	24	24	39	33	24	30	30	32	36	25	15	—	—	—		—	—	—	—	—
27	12	15	17	19	26	29	32	35	24	36	39	25	30	33	48	41	43	43	46	39	11	25	40	41		—	31	74	3	71
28	37	27	35	32	38	36	29	31	29	25	20	27	45	46	38	25	29	20	24	32	19	14	11	9		—	28	66	4	62
29	10	10	9	13	13	19	30	26	35	34	32	40	43	44	45	47	52	>53	36	30	33	33	37	42		—	32	74	3	71
30	47	51	38	37	38	32	28	31	32	29	29	29	31	35	33	36	36	36	30	20	30	27	23	22		—	32	72	3	69
A	33	32	32	34	34	35	35	36	36	36	40	40	40	42	44	44	47	46	43	34	34	33	33	32		37				
N	32	32	32	32	34	>34	35	36	36	35	35	37	39	>40	39	40	42	>42	>40	35	32	32	32	32		36				

July 2003 — Air conductivity (positive) * 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	22	19	21	18	21	22	25	30	29	31	37	42	44	49	>55	47	46	39	31	39	40	45	27	31		—	34	74	8	66
2	34	29	37	32	39	51	39	37	35	34	35	39	41	43	44	46	42	38	39	34	27	22	18	16		—	35	68	7	61
3	19	17	14	20	32	34	37	35	32	26	22	21	23	27	30	32	38	44	47	40	35	35	34	33		—	30	61	7	54
4	34	32	23	22	30	33	36	38	37	34	37	41	41	43	44	45	47	56	51	40	34	35	33	27		—	37	74	6	68
5	35	30	33	37	42	41	38	32	32	27	40	35	38	35	42	47	54	48	46	44	38	45	49	46		—	40	74	7	67
6	55	60	62	55	45	46	47	33	41	>39	30	52	47	41	43	27	32	46	38	42	38	38	35	28		—	43	74	4	70
7	33	32	36	34	32	32	32	34	34	36	32	31	33	34	36	39	39	40	43	46	44	41	36	38		—	36	61	19	42
8	36	37	37	36	37	34	32	31	29	31	30	33	32	31	35	36	36	37	36	36	36	39	38	40		—	35	66	19	47
9	38	39	38	34	30	27	26	30	28	31	34	32	36	38	39	41	38	42	48	48	45	42	39	38		—	37	72	16	56
10	41	43	36	25	24	26	26	28	35	34	30	31	33	36	36	44	46	54	61	52	47	43	43	41		—	38	74	11	63
11	39	36	36	35	38	42	38	41	43	37	33	27	29	39	43	46	49	52	48	47	35	32	30	29		—	39	74	16	58
12	27	19	21	23	30	34	38	38	35	33	28	30	30	35	36	33	37	40	31	29	33	30	34	40		—	32	57	10	47
13	44	42	38	38	37	33	32	31	25	28	28	27	28	35	45	51	53	49	52	49	46	39	—	33		—	—	—	—	—
14	39	43	43	36	31	26	—	36	35	34	43	44	47	37	38	41	38	36	34	36	38	43	41	33		—	—	—	—	—
15	27	19	19	35	36	33	33	—	38	40	41	39	—	44	52	60	56	57	56	32	29	32	28	30		—	—	—	—	—
16	35	34	35	40	43	43	48	54	58	64	64	64	65	65	61	62	62	63	62	49	50	46	47	40		—	52	74	17	57
17	38	39	40	43	45	53	52	55	58	58	65	69	—	—	—	—	—	—	62	48	39	35	24	33		—	—	—	—	—
18	40	40	41	42	42	44	47	55	56	55	51	58	63	—	—	42	32	50	47	42	41	35	32	29		—	—	—	—	—
19	26	28	33	33	34	33	35	39	42	43	44	47	48	47	44	52	53	54	55	50	46	39	31	29		—	41	74	12	62
20	29	26	30	38	39	38	39	41	42	43	36	28	34	38	41	41	46	48	44	35	33	31	29	27		—	36	68	11	57
21	27	28	30	33	30	32	36	37	36	36	37	41	45	48	51	52	52	54	44	34	33	34	38	37		39	39	73	15	58
22	36	38	36	38	41	38	44	44	46	39	41	39	41	48	52	45	41	41	33	29	29	25	23	25		—	38	72	11	61
23	25	28	30	32	31	33	28	29	35	40	41	45	44	48	59	60	59	—	56	43	33	29	28	28		—	—	—	—	—
24	30	29	28	29	31	38	41	44	47	48	51	55	57	60	61	59	62	62	51	38	36	38	41	41		45	45	74	16	58
25	46	46	39	38	46	49	50	47	52	55	58	60	63	64	62	60	63	>65	51	33	41	45	39	52		—	51	74	12	62
26	55	54	52	53	47	46	44	40	43	43	39	43	48	48	49	33	54	51	51	48	42	42	39	33		—	46	74	20	54
27	34	37	31	36	33	36	39	41	45	42	47	50	50	52	52	54	51	54	50	45	43	41	43	51		—	44	71	18	53
28	56	57	60	61	54	53	50	46	51	57	56	62	>66	5?	60	61	54	52	54	52	53	53	49	46		—	55	74	33	41
29	46	49	52	55	54	52	52	50	49	46	42	41	47	43	50	53	38	38	60	46	39	31	32	44		—	46	74	10	64
30	33	30	31	34	32	36	42	46	51	56	58	60	62	61	63	43	58	38	32	30	27	23	27	32		—	42	74	15	59
31	30	31	35	38	38	41	44	50	41	53	53	48	39	58	46	39	29	43	36	25	25	26	21	26		—	38	73	10	63
A	39	39	36	38	39	41	42	43	45	44	47	48	49	49	51	52	51	54	48	40	37	37	34	36		43				
N	36	35	35	36	37	38	39	40	41	>41	41	43	>45	45	>48	46	47	>48	47	41	38	37	34	35		40				

August 2003

Air conductivity (positive) * 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	25	20	20	23	31	43	46	48	50	52	56	58	59	63	62	59	60	62	58	41	30	28	27	34		44	44	74	8	66
2	35	33	37	31	37	49	49	49	49	50	52	56	54	53	55	50	46	46	39	33	45	48	52	43		—	45	73	16	57
3	39	37	32	38	35	37	40	40	34	33	34	33	35	38	41	55	>61	60	49	39	32	30	30	27		—	39	74	17	57
4	27	27	29	30	31	41	46	40	36	34	36	41	48	51	51	52	57	>59	53	45	43	46	50	50		—	43	72	15	57
5	48	44	40	36	43	41	38	37	33	37	37	36	37	42	45	47	50	54	56	39	32	23	26	32		—	40	74	15	59
6	34	36	33	37	36	42	38	39	32	28	30	30	35	41	48	44	51	55	50	38	47	47	48	48		40	40	74	20	54
7	46	45	41	44	47	45	40	49	38	27	28	32	34	34	37	39	41	48	49	43	35	35	37	37		—	40	70	18	52
8	38	39	40	41	39	42	42	44	44	40	31	30	39	44	43	44	>53	60	45	38	38	37	37	34		—	41	74	20	54
9	38	39	41	41	42	44	51	36	33	37	40	32	40	48	48	43	45	40	35	24	37	53	50	50		—	41	74	15	59
10	50	44	43	45	52	47	40	38	35	36	49	50	54	59	63	51	49	55	52	48	48	49	51	56		—	49	69	24	45
11	56	54	48	50	45	40	42	47	49	50	50	48	50	48	50	50	51	52	52	35	30	27	29	33		45	45	73	20	53
12	32	32	34	32	36	38	30	33	30	26	30	29	24	22	26	25	28	31	30	24	20	18	19	19		—	28	71	9	62
13	19	15	15	15	17	23	31	29	31	31	29	30	36	41	40	46	51	37	32	29	29	27	27	27		—	29	70	6	64
14	27	23	23	27	32	34	35	36	42	35	41	45	45	36	27	34	41	50	45	33	40	36	37	37		—	36	70	9	61
15	35	27	24	27	25	32	32	34	33	26	42	45	43	42	39	33	36	51	61	>55	39	35	41	54		—	38	74	11	63
16	52	51	51	53	48	44	37	29	23	22	28	29	24	22	23	26	28	31	40	29	24	21	25	25		—	33	64	11	53
17	25	32	36	35	33	44	43	40	27	26	33	37	40	37	37	38	42	48	44	31	23	16	20	23		—	34	70	6	64
18	25	25	25	22	17	26	26	28	26	22	24	27	29	33	34	37	44	39	32	29	35	39	41	46		30	30	74	8	66
19	45	41	39	44	39	32	23	25	31	23	35	30	36	29	—	14	38	29	23	31	31	23	23	24		—	—	—	—	—
20	25	24	21	22	22	23	25	25	26	28	31	29	27	26	29	33	33	35	32	29	22	21	22	22		—	26	46	5	41
21	21	20	18	16	17	21	27	32	30	23	24	24	29	34	35	36	42	29	21	20	19	18	17	18		—	25	56	6	50
22	19	21	23	19	17	18	22	29	32	37	35	34	33	31	33	37	42	>42	21	22	21	21	19	20		—	27	74	5	69
23	23	22	22	24	28	32	32	27	33	29	31	31	27	30	32	34	32	34	33	31	29	28	25	39		—	30	56	11	45
24	40	36	37	43	43	43	42	36	37	40	42	39	44	45	48	48	31	26	26	35	40	38	40	42		—	39	63	9	54
25	42	43	38	36	34	32	28	31	35	35	36	36	41	41	>43	36	43	41	43	40	44	44	41	38		—	38	74	16	58
26	38	30	30	29	30	36	33	27	33	39	36	34	29	37	34	37	40	37	29	26	27	24	23	25		—	32	62	9	53
27	27	29	32	32	32	36	35	38	38	36	34	35	33	35	34	39	38	36	36	36	40	42	45	44		—	36	63	13	50
28	43	46	42	39	37	36	34	32	28	28	26	21	20	23	30	30	33	22	17	13	15	21	24	19		28	28	61	4	57
29	17	19	26	17	21	21	24	26	27	26	30	30	31	30	32	34	35	40	32	29	31	35	42	48		—	29	74	5	69
30	48	44	49	47	50	60	60	56	49	48	44	39	38	34	34	37	40	34	33	30	31	30	27	26		—	41	74	16	58
31	27	27	29	25	18	22	35	33	30	24	19	25	23	35	36	31	24	34	39	33	28	23	23	21		—	28	74	7	67
A	35	34	34	34	34	36	37	36	35	35	35	35	36	38	40	41	44	44	42	35	34	33	34	36		37				
N	34	33	33	33	33	36	36	36	35	33	35	35	37	38	>40	39	>42	>42	39	>55	32	32	33	34		36				

September 2003 — Air conductivity (positive) 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	22	22	24	21	21	23	34	29	33	36	30	22	27	34	34	28	35	33	37	41	41	30	34	42		—	31	53	9	44
2	42	39	37	31	29	29	29	28	32	30	37	29	35	29	44	44	42	44	45	38	41	39	37	39		—	36	65	12	53
3	40	38	35	25	21	26	35	41	43	40	35	32	34	35	38	36	35	27	17	12	7	6	7	8		28	28	70	3	67
4	7	5	5	6	12	16	15	17	33	—	16	20	19	23	18	24	12	21	24	13	15	20	20	15		—	—	—	—	—
5	16	20	23	25	25	21	24	34	41	45	43	45	26	39	40	42	38	19	11	9	7	7	7	7		—	26	70	4	66
6	7	8	8	8	9	13	22	28	33	35	39	38	35	39	32	46	41	24	9	6	7	5	7	7		—	21	74	3	71
7	7	7	11	13	12	15	20	33	39	44	45	48	49	50	46	42	41	28	18	16	16	20	29	31		28	28	73	3	70
8	31	31	30	21	19	18	31	38	42	43	40	40	40	40	38	38	36	26	21	26	31	33	31	27		32	32	56	4	52
9	31	30	30	31	25	23	29	34	38	40	42	39	44	47	47	46	34	16	13	13	14	17	18	19		30	30	68	6	62
10	21	19	21	19	16	14	20	28	30	35	38	37	38	38	37	39	26	18	17	25	28	30	33	34		—	28	58	4	54
11	37	39	39	38	30	30	26	24	26	26	29	21	20	25	30	31	29	30	32	33	36	43	41	36		—	31	57	9	48
12	31	32	35	28	23	24	24	20	25	30	30	29	31	34	33	36	27	16	16	17	18	21	25	23		—	26	67	5	62
13	23	23	26	26	23	24	26	30	32	32	32	30	31	34	32	34	34	15	11	9	8	7	7	7		—	23	60	4	56
14	7	8	7	7	7	10	17	22	31	36	40	38	41	44	46	>50	34	21	14	8	7	8	9	10		—	22	74	3	71
15	9	11	12	13	14	15	15	21	25	34	33	29	25	23	24	29	28	14	8	7	8	7	8	7		17	17	57	3	54
16	7	8	9	10	10	10	13	21	26	26	19	20	21	19	21	23	21	19	23	21	22	22	20	13		—	18	34	5	29
17	9	10	13	14	14	18	18	18	19	23	26	27	27	29	27	34	28	19	15	10	8	9	8	7		—	18	69	4	65
18	9	10	13	12	12	9	18	22	26	24	23	25	27	31	34	29	22	17	14	15	16	12	8	8		—	18	47	6	41
19	7	8	7	7	7	13	18	21	23	25	26	26	28	27	27	30	24	19	16	16	15	14	15	13		18	18	42	4	38
20	14	12	10	9	9	9	17	23	27	27	32	32	36	38	41	44	28	15	9	8	7	8	8	9		—	20	61	5	56
21	12	13	13	19	21	19	19	24	27	30	32	29	28	27	28	32	31	25	24	25	27	31	34	42		—	26	51	3	48
22	40	36	31	28	25	15	29	35	40	35	31	32	32	35	38	39	31	18	15	17	24	24	23	22		—	29	52	4	48
23	20	22	25	26	25	26	29	32	35	37	35	32	35	36	44	48	40	44	51	50	56	>61	53	59		—	38	74	13	61
24	46	41	33	36	34	28	21	22	20	24	30	30	24	22	28	38	30	15	14	13	14	14	14	15		—	25	74	3	71
25	13	12	10	11	12	10	17	18	22	24	25	28	32	33	36	30	22	12	—	—	—	—	—	—		—	—	—	—	—
26	8	10	9	10	11	8	8	13	21	31	28	25	24	24	22	22	12	8	8	8	10	14	17	18		—	15	40	3	37
27	19	21	21	18	20	19	17	22	22	21	19	18	22	23	24	28	26	20	13	11	15	19	20	15		—	20	45	4	41
28	13	11	11	10	11	12	12	17	25	20	19	20	22	30	35	36	22	18	17	21	27	25	27	28		—	20	50	4	46
29	29	31	29	21	15	11	21	26	29	33	32	29	30	32	30	29	25	25	23	24	25	23	29	28		—	26	42	4	38
30	25	28	33	31	40	54	41	31	28	27	31	29	34	35	33	32	32	31	28	17	17	20	23	19		—	30	74	8	66
A	21	19	18	17	16	18	22	26	29	32	30	30	31	32	35	37	30	19	15	15	18	18	18	18	24					
N	20	20	20	19	18	19	22	26	30	31	31	30	31	33	34	>50	30	22	19	18	20	>20	21	21	25					

October 2003

Air conductivity (positive) * 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	17	20	21	22	19	16	20	22	28	30	32	34	30	35	33	32	16	10	10	19	19	13	12	11		—	22	57	3	54
2	15	16	14	15	12	12	14	18	22	28	30	29	29	27	23	32	27	21	14	17	17	18	18	18		—	20	45	4	41
3	18	20	20	23	24	21	21	20	21	27	29	32	34	31	34	32	18	8	7	7	8	10	15	20		—	21	49	4	45
4	26	27	22	26	26	18	22	24	26	25	28	34	31	29	32	29	24	18	13	11	11	19	25	23		—	24	70	5	65
5	25	23	24	24	26	25	23	31	33	36	38	38	33	24	17	24	26	28	51	70	73	>73	67	68		—	38	74	3	71
6	64	47	46	39	28	32	35	29	22	20	22	25	25	30	36	26	17	21	26	21	24	21	22	19		—	29	74	9	65
7	23	22	23	24	26	24	24	25	27	29	24	20	20	19	22	19	30	21	27	26	32	22	19	23		—	24	59	3	56
8	22	58	46	35	20	13	13	14	28	33	25	25	22	26	23	15	9	9	8	9	11	12	16	19		—	21	74	3	71
9	17	21	24	23	23	20	20	27	27	26	30	28	31	31	30	33	25	16	11	10	10	14	22	26		—	23	44	5	39
10	21	21	22	23	28	26	22	19	18	17	18	15	15	17	16	18	25	25	27	27	22	22	23	28		—	21	39	6	33
11	31	31	32	31	33	34	32	31	30	30	—	—	—	—	—	23	21	20	26	23	27	30	28	27		—	—	—	—	—
12	29	32	32	23	25	31	27	26	26	28	26	20	28	31	29	21	12	12	12	8	8	8	9	8		—	21	52	4	48
13	8	8	9	12	14	14	13	14	19	21	23	23	25	24	24	25	14	11	9	13	18	17	22	22		—	17	50	3	47
14	24	26	30	37	35	35	32	22	29	30	31	34	25	24	26	22	21	18	14	13	14	17	23	25		—	25	51	3	48
15	31	32	35	31	28	26	23	22	23	22	23	18	23	21	23	18	11	8	12	13	12	13	14	12		—	21	51	4	47
16	12	11	11	12	9	11	14	19	27	36	38	42	40	38	41	25	15	9	10	9	10	9	9	8		—	19	66	3	63
17	8	9	9	11	11	10	9	8	12	23	30	31	30	28	21	17	—	—	—	—	—	—	—	—		—	—	—	—	—
18	—	—	—	—	—	11	10	11	16	20	22	21	21	20	19	13	11	—	—	—	—	—	—	—		—	—	—	—	—
19	—	—	—	—	—	10	9	10	12	14	18	20	22	23	22	15	10	—	—	—	—	—	—	—		—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	15	18	21	24	23	19	14	11	10	11	12	13	14	16	19		—	—	—	—	—
21	20	22	25	27	25	24	22	16	20	23	28	27	25	23	19	18	25	28	29	29	25	22	32	46		—	25	62	5	57
22	43	35	32	27	21	21	18	19	23	21	19	18	18	17	21	19	19	15	15	19	19	18	21	22		—	22	63	3	60
23	22	26	24	24	24	19	20	21	20	24	30	32	27	24	20	17	19	12	10	—	—	—	—	—		—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	13	16	16	17	19	12	10	11	11	11	11	12	11		—	—	—	—	—
25	11	11	11	12	10	10	8	15	17	20	19	18	17	19	18	19	20	20	16	19	19	15	17	16		—	16	32	5	27
26	18	16	17	19	16	15	15	23	36	34	18	22	21	27	22	14	11	11	10	11	9	12	10	9		—	17	62	4	58
27	8	9	10	10	11	10	9	10	10	9	10	12	17	20	20	17	12	9	10	9	10	12	11	10		—	11	36	3	33
28	13	14	15	17	18	18	13	15	18	20	20	21	20	21	17	12	11	10	9	8	10	9	10	8		—	14	31	6	25
29	8	8	9	9	8	10	10	12	13	15	17	17	14	14	14	12	12	13	12	13	12	16	16	16		—	13	28	4	24
30	19	20	20	23	24	25	25	23	25	25	26	21	20	20	20	18	17	18	14	17	17	12	12	10		—	20	38	3	35
31	12	12	11	13	13	13	12	13	17	19	20	19	21	21	16	10	9	10	9	8	9	10	11	11		—	13	32	3	29
A	15	12	12	13	13	15	14	15	16	21	23	22	22	21	23	19	14	12	15	13	13	16	15	15	16					
N	21	22	22	22	21	19	18	19	22	24	25	24	24	24	23	20	17	15	15	17	17	>17	19	20	20					

November 2003 — Air conductivity (positive) 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	9	9	11	14	17	18	20	22	20	24	28	23	24	29	28	28	25	20	22	24	25	24	22	22		—	21	40	5	35
2	24	23	24	21	16	15	17	17	18	15	13	18	23	26	23	23	25	23	19	15	15	13	10	9		—	19	52	4	48
3	13	17	15	15	15	13	12	11	14	17	21	23	24	26	20	16	13	10	13	12	15	21	21	20		—	17	36	6	30
4	22	21	21	20	21	17	19	23	31	30	28	28	29	27	31	26	19	19	20	20	21	20	20	21		—	23	45	10	35
5	22	24	25	28	25	21	19	18	19	20	23	23	20	20	22	15	18	16	13	16	14	10	8	7		—	19	48	3	45
6	8	20	27	34	34	29	26	24	25	24	26	24	32	28	16	8	9	9	14	19	22	28	35	35		—	23	67	4	63
7	30	33	34	35	38	38	34	35	32	30	41	40	36	35	31	32	33	26	13	9	9	9	9	8		—	28	73	3	70
8	9	9	10	13	16	16	16	17	19	20	18	18	15	13	13	14	11	14	14	19	22	24	27	26		—	16	42	3	39
9	33	38	38	45	52	54	51	42	38	40	36	38	34	37	32	26	35	26	14	13	11	12	16	35		—	33	72	6	66
10	51	54	49	57	55	40	30	31	38	39	37	35	31	32	21	15	10	9	8	7	7	7	8	9		—	28	74	3	71
11	9	9	11	13	10	8	8	9	13	20	24	24	25	19	11	8	6	9	11	10	13	11	10	15		—	13	40	4	36
12	21	24	22	22	23	22	21	19	18	21	18	20	19	16	18	17	15	14	12	12	15	20	18	20		—	19	38	5	33
13	23	26	25	23	24	22	18	18	16	19	20	17	16	15	14	11	10	10	12	14	11	8	7	6		—	16	42	3	39
14	9	13	14	17	14	11	10	10	14	14	13	10	9	10	8	11	11	10	10	10	11	11	11	11		—	11	27	4	23
15	12	13	12	13	11	12	11	13	14	14	10	10	11	10	9	10	11	11	11	11	10	10	13	13		—	11	25	5	20
16	12	14	13	13	14	15	14	14	13	13	13	14	14	14	10	9	8	9	8	7	9	9	9	7		—	11	27	3	24
17	7	9	8	9	10	11	9	8	10	10	11	25	32	51	39	36	25	26	24	24	26	27	26	28		—	20	72	3	69
18	28	30	33	28	30	28	23	21	21	20	20	20	19	17	20	12	12	12	15	14	19	21	21	14		—	21	51	6	45
19	23	43	56	59	52	49	43	42	37	33	32	29	38	34	29	31	32	35	35	37	34	35	37	37		—	38	74	8	66
20	41	42	56	42	44	44	40	30	32	33	31	30	26	25	25	24	15	11	10	9	10	10	10	8		—	27	74	4	70
21	8	8	9	10	9	11	8	10	11	14	17	16	20	19	17	23	23	25	24	26	19	17	16	17		—	16	74	3	71
22	19	21	17	13	11	15	13	12	16	21	22	22	20	20	22	11	10	9	9	9	9	8	9	9		—	14	36	3	33
23	9	10	11	9	10	10	8	10	10	12	14	15	16	17	14	12	10	10	13	13	15	15	16	17		—	12	28	4	24
24	17	15	15	13	13	12	8	9	13	18	19	19	22	16	10	10	8	9	7	9	10	9	10	8		—	12	30	4	26
25	8	9	8	9	10	12	13	15	17	22	24	23	21	19	20	19	17	13	16	19	15	16	19	—		—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	22	22	20	16	16	15	13	14	15	22	24	27	30		—	—	—	—	—
27	33	39	45	45	44	40	36	36	36	35	32	34	31	29	22	18	18	19	18	18	19	18	20	24		—	30	57	3	54
28	27	29	31	32	30	24	20	21	28	30	28	32	31	24	22	17	21	24	26	27	27	29	33	37		—	27	52	5	47
29	38	39	39	38	40	39	34	29	30	27	26	26	26	25	22	21	17	11	10	10	10	10	11	10		—	25	56	5	51
30	10	11	15	21	26	32	38	41	43	42	40	41	37	31	27	24	23	23	25	23	25	29	32	31		—	29	57	6	51
A	17	18	19	21	22	14	14	21	24	26	26	27	26	24	21	15	14	15	12	14	15	14	18	19	19					
N	20	22	24	25	25	23	21	21	22	23	24	24	24	23	20	18	17	16	15	16	16	17	18	18	21					

December 2003

Air conductivity (positive) * 10^{-16} [$ohm^{-1}\ m^{-1}$]

GMT Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	37	38	43	48	51	45	43	38	37	33	34	35	34	29	29	28	30	33	33	32	33	37	37	38		—	36	63	13	50
2	39	39	40	39	39	38	34	32	30	30	30	29	27	22	20	20	22	23	24	20	13	13	12	11		—	27	54	4	50
3	11	13	14	16	15	16	18	16	17	17	19	20	16	10	10	10	8	6	8	8	8	7	8	6		—	12	44	4	40
4	6	6	6	6	7	11	9	10	10	8	13	15	13	12	11	10	11	13	13	13	17	28	25	24		—	12	43	3	40
5	19	26	27	29	28	24	25	26	24	18	21	20	16	8	12	14	14	14	19	24	29	34	34	41		—	23	59	5	54
6	49	54	61	54	39	56	>64	37	35	31	22	24	32	19	16	32	32	26	18	17	20	21	30	27		—	34	74	6	68
7	34	40	43	32	30	28	27	21	19	21	18	15	13	17	17	18	15	14	15	15	16	18	18	17		—	22	57	5	52
8	18	21	23	22	21	21	18	14	14	13	12	10	9	8	9	12	11	9	12	11	11	11	12	10		—	14	34	4	30
9	11	11	13	13	15	14	12	13	11	11	13	14	12	8	11	11	11	16	14	11	11	13	14	15		—	12	39	6	33
10	15	17	16	18	18	18	18	15	14	14	14	15	16	13	10	10	9	14	13	13	13	15	15	13		—	14	38	3	35
11	14	14	15	17	18	17	15	13	13	13	13	14	15	11	11	11	13	14	10	10	9	9	11	8		13	13	34	5	29
12	8	9	10	10	11	16	11	12	11	11	13	14	16	15	13	12	13	13	13	13	19	19	24	24		—	14	45	4	41
13	26	25	32	38	35	28	24	19	12	12	13	14	13	13	12	11	12	18	21	22	34	46	44	43		—	24	65	6	59
14	44	45	45	44	42	41	45	55	50	43	36	40	32	17	14	41	28	21	22	30	40	39	41	43		—	37	74	8	66
15	43	47	47	32	46	43	48	45	41	35	25	24	19	19	21	22	21	21	22	25	26	26	27	25		—	31	69	6	63
16	24	25	28	27	23	25	20	20	18	17	13	17	15	13	11	13	14	12	20	16	14	17	19	19		—	18	43	3	40
17	17	25	24	20	23	17	15	11	9	10	12	16	15	14	10	9	13	11	10	9	8	8	12	12		—	14	39	4	35
18	13	13	14	16	11	10	13	15	15	15	15	15	11	10	11	12	11	9	12	14	14	11	11	8		—	12	30	3	27
19	8	8	8	9	9	9	8	7	5	5	11	10	11	6	7	6	6	6	5	5	6	6	7	6		7	7	18	3	15
20	8	10	11	11	11	10	10	11	12	11	10	10	11	11	10	10	10	10	9	10	11	10	9	11		—	10	23	4	19
21	12	11	12	10	14	18	23	24	23	23	23	24	22	21	15	24	25	23	24	29	27	28	32	35		—	22	47	6	41
22	38	43	46	67	65	55	45	45	41	36	32	32	36	32	27	30	25	23	21	17	16	21	22	22		—	35	74	3	71
23	25	31	30	30	30	27	19	15	11	15	12	9	13	8	10	10	10	8	6	7	6	5	—	—		—	—	—	—	—
24	—	—	—	—	—	5	4	4	4	4	5	9	9	9	7	6	5	6	6	8	7	7	7	5		—	—	—	—	—
25	5	6	6	6	7	9	11	8	9	8	8	9	9	9	10	10	9	11	10	10	11	11	10	9		—	9	20	3	17
26	10	13	15	18	21	23	21	18	17	20	17	20	18	11	9	11	10	9	10	10	10	10	11	11		—	14	37	5	32
27	12	13	13	13	19	21	18	16	14	15	15	14	13	12	10	12	11	11	10	11	9	11	12	11		13	13	32	4	28
28	12	13	15	13	13	11	12	11	11	10	12	21	20	20	20	18	14	13	14	15	15	16	21	23		15	15	31	6	25
29	25	28	28	28	29	27	20	17	21	19	14	16	17	20	17	14	13	8	8	9	10	9	9	9		—	17	38	5	33
30	9	10	10	11	11	13	11	12	12	11	10	11	11	11	13	12	10	12	12	12	11	14	16	15		—	12	24	3	21
31	16	19	22	25	26	29	30	35	34	33	31	28	28	25	22	18	19	18	15	16	14	17	19	12		—	23	60	7	53
A	16	19	17	16	17	16	15	13	12	13	13	15	14	12	11	11	11	13	13	12	12	13	15	14		14				
N	20	22	24	24	24	23	>22	20	19	18	17	18	17	15	14	15	15	14	14	15	16	17	19	18		22				

Number of condensation nuclei per 1 cm^3 of air.
2003

January

Data	I	II	III	M
1	28000	6900	24000	19600
2	6500	14100	12700	11100
3	23800	10900	8400	14400
4	5900	6700	9800	7500
5	11700	15100	5900	10900
6	10100	15900	23500	16500
7	13300	11800	10200	11800
8	9400	19600	74000	34300
9	30000	24300	72000	42100
10	25800	10100	16900	17600
11	7100	10900	54300	24100
12	3800	4900	4900	4500
13	3100	5100	5900	4700
14	7200	6100	4300	5900
15	4300	5600	4900	4900
16	4300	5100	5400	4900
17	9400	5200	51000	21900
18	10100	14600	24500	16400
19	12200	13600	4300	10000
20	12200	16200	24300	17600
21	9500	8700	11800	10000
22	4700	12600	7700	8300
23	8600	21800	10200	13500
24	13700	10200	18200	14000
25	5200	6200	7300	6200
26	4300	6700	8000	6300
27	4700	9400	7100	7100
28	4000	5600	13300	7600
29	4300	6200	18200	9600
30	9300	7000	11400	9200
31	26000	7300	24500	19300
M	10700	10500	18700	13300

Fcbruary

Date	I	II	III	M
1	16400	22500	22500	20500
2	19600	9400	10600	13200
3	7100	15600	15100	12600
4	8000	15600	23500	15700
5	13700	7300	7300	9400
6	5200	7100	7000	6400
7	6700	10100	9400	8700
8	5900	8000	13600	9200
9	8300	6700	7300	7400
10	8000	5600	31800	15100
11	12600	10200	4700	9200
12	3600	10100	54000	22600
13	36500	30000	39500	35300
14	15900	22500	14600	17700
15	5100	9400	4300	6300
16	7700	13900	30000	17200
17	31000	19600	21000	23900
18	10100	10600	18200	13000
19	7400	5900	12600	8600
20	4500	6100	5600	5400
21	15600	4900	30000	16800
22	28000	15600	48000	30500
23	27000	8400	57000	30800
24	41000	16400	49500	35600
25	65000	10200	63500	46200
26	29000	15600	18300	21000
27	11700	18900	20300	17000
28	24300	16400	10500	17100
M	17000	12600	23200	17600

Note: I) 06:10 - 06:30 II) 11:10 - 11:30 III) 18:10 - 18:30 GMT

Number of condensation nuclei per 1 cm^3 of air.
2003

March

Data	I	II	III	M
1	4700	18200	16900	13300
2	6400	5200	10200	7300
3	18900	10200	13100	14100
4	7000	10200	25900	14400
5	48000	10200	13700	24000
6	15100	6700	39500	20400
7	60500	35700	25000	40400
8	26000	20300	45000	30400
9	15100	5900	30000	17000
10	15600	5900	49500	23700
11	22500	13500	28000	21300
12	4900	7700	9800	7500
13	11700	25300	9800	15600
14	4300	6700	8200	6400
15	10900	7000	8700	8900
16	5600	5600	26000	12400
17	9800	11800	9100	10200
18	12600	49300	18200	26700
19	20900	18300	16900	18700
20	5200	17800	12600	11900
21	10100	48000	42000	33400
22	18200	14600	27000	19900
23	6200	37000	19600	20900
24	7700	25000	70500	34400
25	55500	17500	11800	28300
26	18200	4700	57000	26600
27	42500	51000	52700	48700
28	13500	16400	27300	19100
29	13100	10100	30000	17300
30	26000	4700	30300	20300
31	9400	5600	8700	7900
M	17600	17000	25500	20000

April

Date	I	II	III	M
1	17600	48000	23500	29700
2	15600	21000	9400	15300
3	16400	6200	10100	10900
4	7300	12600	22500	14100
5	5100	18300	10900	11400
6	4700	25900	6200	12300
7	5600	5100	7300	6000
8	8000	19600	9800	12500
9	4300	9800	9100	7700
10	17900	19600	33600	23700
11	8000	10600	9400	9300
12	4900	8400	21100	11500
13	11800	2800	22200	12300
14	10500	2800	22500	11900
15	12100	5000	48400	21800
16	8000	4700	52700	21800
17	17600	4500	16200	12800
18	8000	7600	15100	10200
19	8700	21000	5600	11800
20	5700	4300	13700	7900
21	6700	3600	5500	5300
22	6200	9500	10900	8900
23	5600	8700	9100	7800
24	10200	4200	11500	8600
25	10200	42000	45000	32400
26	5900	4300	9100	6400
27	9100	6200	16900	10700
28	8400	10600	60000	26300
29	15500	60700	10500	28900
30	7300	18300	21100	15600
M	9400	14200	19100	14200

Note: I) 06:10 - 06:30 II) 11:10 - 11:30 III) 18:10 - 18:30 GMT

Number of condensation nuclei per 1 cm^3 of air.
2003

May

Data	I	II	III	M
1	4300	8000	11700	8000
2	9300	15900	20800	15300
3	10900	18200	7300	12100
4	4700	7100	8000	6600
5	6400	15100	11400	11000
6	10900	34500	28500	24600
7	4000	43700	13200	20300
8	7400	24300	27000	19600
9	26000	21000	10900	19300
10	5900	14600	20300	13600
11	5900	4300	5100	5100
12	6700	5200	20300	10700
13	12500	10200	10200	11000
14	4700	6200	10900	7300
15	11700	4700	9400	8600
16	14600	78000	10200	34300
17	15900	19600	22500	19300
18	6300	16900	14600	12600
19	6200	17900	21800	15300
20	4700	8700	23900	12400
21	5100	4900	11800	7300
22	10200	3800	8000	7300
23	10100	11800	28000	16600
24	8700	6700	10900	8800
25	3100	3400	4700	3700
26	10900	10900	6100	9300
27	5000	8000	10200	7700
28	6700	20400	11800	13000
29	5600	5400	7700	6200
30	37700	67000	12600	39100
31	10100	31000	7700	16300
M	9400	17700	13800	13600

June

Date	I	II	III	M
1	4300	6700	6100	5700
2	10500	11300	7000	9600
3	14600	6200	7400	9400
4	10100	5400	6700	7400
5	62000	23500	32000	39200
6	10900	28000	5200	14700
7	57200	62900	5200	41800
8	9400	15600	22500	15800
9	10100	9800	13500	11100
10	13500	26000	21100	20200
11	20200	24500	11000	18600
12	6800	38000	12200	19000
13	21100	10900	10900	14300
14	37000	35000	13700	28600
15	4100	52300	3300	19900
16	6400	9400	13600	9800
17	4400	8000	3600	5300
18	7100	5400	11800	8100
19	25000	45000	6100	25400
20	5600	13500	5200	8100
21	4000	29000	8400	13800
22	3600	11700	9400	8200
23	8400	5600	13600	9200
24	4200	3600	7300	5000
25	7300	65000	9800	27400
26	4000	26200	5400	11900
27	9700	74000	8000	30600
28	13500	109700	15500	46200
29	17900	10900	7400	12100
30	11500	51000	10100	24200
M	14100	27500	10400	17300

Note: I) 06:10 - 06:30 II) 11:10 - 11:30 III) 18:10 - 18:30 GMT

Number of condensation nuclei per 1 cm^3 of air.
2003

July

Data	I	II	III	M
1	4500	6200	16900	9200
2	4300	4500	9100	6000
3	9400	102700	11800	41300
4	9400	13500	6700	9900
5	11400	9000	9400	9900
6	2600	11800	4700	6400
7	4100	4000	10900	6300
8	5800	6200	4500	5500
9	6000	19100	4100	9700
10	8000	42500	5100	18500
11	4700	9100	11800	8500
12	6200	9400	7400	7700
13	15000	53800	5200	24700
14	5200	4000	7300	5500
15	6200	6700	6200	6400
16	7400	6200	4300	6000
17	8000	3300	8300	6500
18	22500	8000	3900	11500
19	3000	4300	6200	4500
20	3800	12300	9400	8500
21	16400	15900	8400	13600
22	9100	49500	6200	21600
23	8700	11700	6100	8800
24	7300	4300	6700	6100
25	8000	4300	6200	6200
26	4900	10900	9400	8400
27	6200	10200	16400	10900
28	7700	14600	8000	10100
29	5200	4700	8000	6000
30	9100	4300	18200	10500
31	16900	7100	9300	11100
M	8000	15300	8300	10500

August

Date	I	II	III	M
1	11300	4900	109001	9000
2	6200	6700	18300	10400
3	7300	50000	10900	22700
4	7400	37500	15900	20300
5	8000	107700	6400	40700
6	8700	67000	9500	28400
7	10100	100500	8700	39800
8	18200	74000	10100	34100
9	5200	84000	16900	35400
10	20300	18300	10200	16300
11	6700	7300	6700	6900
12	9400	16900	22500	16300
13	10100	52500	19300	27300
14	7700	22500	15800	15300
15	4000	6200	9800	6700
16	37000	23500	16500	25700
17	4400	11700	6200	7400
18	15600	78000	11400	35000
19	18200	5400	7400	10300
20	6200	5600	10200	7300
21	16400	35500	29000	27000
22	37000	5600	53800	32100
23	6200	4000	6700	5600
24	7400	13300	19600	13400
25	6100	53000	9800	23000
26	10100	24500	16900	17200
27	5900	13500	13700	11000
28	17900	39500	26000	27800
29	14600	19600	43500	25900
30	5500	4300	10600	6800
31	8400	18200	7200	11300
M	11500	32600	15500	19900

Note: I) 06:10 - 06:30 II) 11:10 - 11:30 III) 18:10 - 18:30 GMT

Number of condensation nuclei per 1 cm^3 of air.
2003

September

Data	I	II	III	M
1	7700	16900	7300	10600
2	4700	8700	4000	5800
3	8000	24500	8700	13700
4	28300	9400	7000	14900
5	9400	7400	18200	11700
6	10500	6200	19600	12100
7	13500	3600	11800	9600
8	15200	5100	15100	11800
9	16400	5400	13600	11800
10	33500	4300	11400	16400
11	12600	12600	5200	10100
12	9800	7300	11700	9600
13	10200	8000	15900	11400
14	11300	2800	10500	8200
15	45000	10200	32500	29200
16	21000	40900	21100	27700
17	10900	9400	22500	14300
18	10100	9400	49500	23000
19	18300	22500	37000	25900
20	28000	22500	51000	33800
21	13500	54000	24000	30500
22	45000	42000	26000	37700
23	8700	56300	4300	23100
24	14200	24500	28000	22200
25	42300	19600	37000	33000
26	37000	40000	30000	35700
27	11700	42500	28000	27400
28	8700	45000	13500	22400
29	33500	18300	10900	20900
30	5200	5100	6200	5500
M	18100	19500	19400	19000

October

Date	I	II	III	M
1	10500	11200	18200	13300
2	8700	10100	20400	13100
3	9400	4700	46500	20200
4	12600	6200	10200	9700
5	5200	3400	3100	3900
6	6400	11800	6500	8200
7	9100	8700	7300	8400
8	26000	4700	13600	14800
9	24000	4300	9100	12500
10	10100	10100	4100	8100
11	3900	4700	5600	4700
12	3600	9400	11700	8200
13	7400	6700	16900	10300
14	4000	5200	10900	6700
15	8700	8700	11800	9700
16	13500	4000	22500	13300
17	24500	7300	70500	34100
18	42000	10100	28000	26700
19	14600	9700	23300	15900
20	21100	13700	21000	18600
21	6700	7700	6700	7000
22	8400	8700	8000	8400
23	11700	3600	28000	14400
24	47000	11800	22500	27100
25	33500	11900	8000	17800
26	3800	7400	21300	10800
27	11800	18900	21800	17500
28	19500	11700	45000	25400
29	20400	12600	22500	18500
30	12200	12600	10600	11800
31	11700	14600	5400	10600
M	14600	8900	18100	13900

Note: I) 06:10 - 06:30 II) 11:10 - 11:30 III) 18:10 - 18:30 GMT

Number of condensation nuclei per 1 cm^3 of air.
2003

November

Data	I	II	III	M
1	5400	27000	11400	14600
2	6700	7700	5900	6800
3	7700	10500	15100	11100
4	33600	12600	10800	19000
5	6200	7400	10600	8100
6	5600	9300	14600	9800
7	6200	5600	19400	10400
8	4700	6700	5200	5500
9	3600	3500	7700	4900
10	16400	12600	44000	24300
11	13500	4700	6700	8300
12	7300	10100	6700	8000
13	14800	12200	7700	11600
14	7600	11800	6700	8700
15	6500	10100	9500	8700
16	6200	9400	35300	17000
17	6700	9100	4500	6800
18	6200	7300	10900	8100
19	3300	5400	4000	4200
20	5200	5200	21800	10700
21	18300	9400	7400	11700
22	7400	11800	18300	12500
23	6700	9800	13200	9900
24	13600	21000	35500	23400
25	15900	14600	15700	15400
26	13200	15100	18200	15500
27	8200	5200	17000	10100
28	21100	10200	5200	12200
29	3600	4300	21000	9600
30	3600	5000	5400	4700
M	9500	9800	13800	11000

December

Date	I	II	III	M
1	4000	9100	16900	10000
2	5700	4700	6800	5700
3	12200	14100	39500	21900
4	9400	9400	5600	8100
5	3700	5100	4700	4500
6	4000	37000	9400	16800
7	4300	15900	11800	10700
8	5100	7300	10100	7500
9	6100	11800	6800	8200
10	9400	4700	28000	14000
11	11800	17400	28000	19100
12	35000	7000	10100	17400
13	6700	10100	10100	9000
14	3100	2800	2700	2900
15	3000	3600	7700	4800
16	5900	8700	8700	7800
17	11800	11800	8000	10500
18	4000	6200	7400	5900
19	70500	14600	38000	41000
20	30000	5200	10900	15400
21	4000	6200	3600	4600
22	3600	6500	8700	6300
23	10900	19600	45300	25300
24	42000	21000	39500	34200
25	12600	9400	9500	10500
26	7400	6200	11800	8500
27	6700	10500	14100	10400
28	9400	8000	8400	8600
29	6200	15900	30000	17400
30	13200	13500	18200	15000
31	4400	7400	8400	6700
M	11800	10700	15100	12500

Note: I) 06:10 - 06:30 II) 11:10 - 11:30 III) 18:10 - 18:30 GMT

Meteorological elements January 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h		12 h		18 h		M
1	110.0	96.4	99.0	101.8	-16.3	-7.3	-9.8	-12.4	-6.1	-17.3	11.2	-20.6	1.6	1.9	2.1	1.9	94	54	71	78	C	0	C	0	C	0	0.0
2	83.8	79.3	77.3	80.1	-3.0	1.6	2.8	-2.0	3.3	-11.2	14.5	-15.3	4.3	6.7	7.5	6.2	87	98	100	93	SSW	3	SW	3	SSW	2	2.7
3	74.5	76.9	84.3	78.6	1.6	1.9	-1.5	0.3	3.1	-1.9	5.0	-2.0	6.9	7.0	5.5	6.5	100	100	100	100	C	0	N	1	N	1	0.7
4	87.2	89.5	94.5	90.4	-3.3	-7.9	-10.2	-6.4	-1.2	-10.9	9.7	-13.3	4.7	2.9	2.6	3.4	99	85	91	94	C	0	N	2	N	1	1.0
5	97.2	98.2	99.9	98.4	-15.2	-8.1	-8.8	-12.4	-8.0	-17.4	9.4	-23.0	1.8	2.9	2.8	2.5	98	87	89	93	C	0	NW	1	C	0	0.3
6	101.2	103.3	105.9	103.5	-8.7	-8.4	-9.2	-9.0	-8.2	-9.7	1.5	-10.0	3.0	2.7	2.7	2.8	95	84	89	91	C	0	NW	1	C	0	0.3
7	108.5	107.8	107.8	108.0	-10.3	-10.2	-11.7	-10.8	-9.1	-12.2	3.1	-11.3	2.7	2.1	2.0	2.3	96	76	80	87	S	1	SSE	2	SE	1	1.3
8	107.2	108.9	110.5	108.9	-17.3	-12.1	-18.3	-16.6	-11.6	-19.3	7.7	-27.4	1.3	1.8	1.3	1.5	80	73	89	80	NE	1	NE	1	C	0	0.7
9	111.4	109.9	107.9	109.7	-24.1	-14.5	-19.1	-20.4	-13.4	-24.8	11.4	-28.8	0.8	1.7	1.1	1.2	87	83	83	85	C	0	S	1	C	0	0.3
10	105.2	104.7	109.0	106.3	-15.1	-7.4	-5.0	-11.7	-4.9	-21.8	16.9	-26.8	1.7	3.3	4.0	3.0	90	93	95	92	SW	1	NW	1	N	1	1.0
11	116.3	118.9	119.9	118.4	-14.0	-10.4	-16.5	-13.1	-4.6	-17.3	12.7	-23.5	1.8	1.9	1.5	1.7	87	67	90	83	N	1	NNW	2	C	0	1.0
12	114.0	111.3	110.7	112.0	-7.9	-4.3	-1.8	-7.4	-1.6	-18.2	16.6	-24.2	3.2	4.4	5.2	4.3	95	98	96	96	W	1	W	2	NW	2	1.7
13	105.8	102.0	102.5	103.4	-1.1	-1.0	-0.3	-0.8	0.1	-2.0	2.1	-5.1	5.6	5.5	5.8	5.7	99	97	98	98	WSW	2	W	2	W	1	1.7
14	105.8	103.9	102.4	104.0	0.7	2.0	4.1	2.1	4.1	-0.4	4.5	-1.2	6.4	7.1	7.8	7.1	100	100	95	99	SSW	1	SSW	2	WSW	4	2.3
15	103.9	106.5	107.1	105.8	4.8	4.8	4.3	4.5	5.2	3.8	1.4	-0.3	8.3	7.8	6.7	7.6	97	91	81	92	NW	4	WNW	3	NW	2	3.0
16	104.4	104.2	105.5	104.7	2.4	3.7	4.8	3.5	4.8	1.9	2.9	0.6	6.3	6.9	6.7	6.6	87	86	78	84	W	2	W	2	WNW	4	2.7
17	113.0	114.1	113.6	113.6	2.2	3.6	0.0	1.8	5.0	-0.2	5.2	-3.4	7.0	7.2	6.1	6.8	98	91	100	97	C	0	W	1	SW	1	0.7
18	108.5	106.8	106.7	107.3	-2.0	2.9	-0.2	-0.3	3.0	-2.1	5.1	-4.9	5.1	5.4	5.9	5.5	96	72	98	90	S	1	S	1	SSW	1	1.0
19	106.9	106.8	106.1	106.6	0.6	1.8	0.5	0.6	2.2	-0.9	3.1	-3.0	6.4	6.6	6.3	6.4	100	95	100	99	C	0	SSW	2	S	2	1.3
20	102.8	101.6	100.9	101.8	-2.8	1.8	0.9	-0.7	2.0	-3.0	5.0	-5.6	4.7	5.5	6.2	5.5	94	78	95	90	S	2	S	1	S	1	1.3
21	97.7	95.0	94.0	95.6	-0.5	3.6	0.5	0.7	3.8	-0.9	4.7	-3.5	5.6	5.6	5.8	5.7	94	71	91	88	SSE	1	SSE	3	SSE	2	2.0
22	92.4	93.7	95.5	93.9	2.1	4.2	0.5	1.6	4.2	-0.4	4.6	-3.0	5.6	5.9	5.7	5.7	79	72	89	80	SSE	4	SSE	3	SSE	2	3.0
23	97.3	99.1	102.9	99.8	0.6	2.1	1.6	1.2	2.3	0.1	2.2	-1.0	5.8	6.4	6.9	6.4	91	90	100	93	S	1	S	2	S	2	1.7
24	111.4	115.9	120.5	115.9	1.2	2.4	1.7	1.6	2.4	1.0	1.4	0.0	6.3	6.7	6.7	6.6	95	92	97	95	C	0	NE	1	N	1	0.7
25	121.8	121.6	120.0	121.1	0.8	1.0	0.8	1.2	2.7	0.3	2.4	-0.2	6.5	6.3	6.4	6.4	100	97	98	99	C	0	W	1	W	1	0.7
26	114.5	113.3	112.6	113.5	0.2	2.1	1.8	1.1	2.3	0.0	2.3	-1.4	6.2	5.7	6.4	6.1	100	80	92	93	W	2	W	2	W	1	1.7
27	107.4	102.0	97.0	102.1	2.0	3.8	2.3	2.4	4.0	1.2	2.8	0.2	6.7	6.8	7.2	6.9	95	85	100	94	WSW	2	SW	3	WSW	2	2.3
28	87.0	84.3	84.2	85.2	6.7	5.0	2.7	4.8	7.8	2.2	5.6	-0.4	9.8	8.7	6.2	8.2	100	100	84	96	W	2	W	2	WNW	2	2.0
29	81.7	81.5	81.3	81.5	1.6	3.0	0.4	1.4	3.4	0.1	3.3	-2.4	6.6	6.7	6.3	6.5	97	89	100	96	WSW	2	WSW	1	SW	1	1.3
30	80.5	81.1	86.6	82.7	0.5	-0.2	-2.8	-1.2	0.7	-3.0	3.7	-6.1	6.3	6.0	4.9	5.7	100	100	99	100	WSW	1	NNE	2	NNW	1	1.3
31	94.1	98.0	102.2	98.1	-3.7	-3.2	-7.0	-5.2	-2.3	-7.7	5.4	-16.3	4.6	4.4	3.6	4.2	99	91	98	97	C	0	N	2	N	1	1.0
M	101.7	101.2	102.2	101.7	-3.8	-1.4	-3.0	-3.3	-0.1	-6.1	6.0	-9.1	5.0	5.2	5.0	5.1	94	86	92	92		1.1		1.7		1.3	1.4

Meteorological elements February 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	107.7	109.4	110.6	109.2	-13.3	-6.2	-11.3	-11.1	-5.1	-14.8	9.7	-23.0	2.0	3.3	2.3	2.5	91	87	90	90	C 0	WNW 1	C 0	0.3
2	109.7	107.4	104.5	107.2	-16.7	-6.5	-10.4	-12.8	-6.2	-18.1	11.9	-24.4	1.6	2.7	2.3	2.2	94	73	84	86	C 0	S 3	SSE 2	1.7
3	93.6	89.8	86.5	90.0	-10.3	-5.6	-3.7	-7.3	-3.4	-11.8	9.4	-17.6	2.6	3.9	4.0	3.5	93	97	86	92	SSE 2	SSW 3	S 4	3.0
4	81.3	80.7	83.7	81.9	-4.4	-2.0	-1.4	-3.0	-1.1	-5.6	4.5	-8.7	3.9	5.1	5.3	4.8	89	96	97	93	S 2	SSW 2	SSE 1	1.7
5	86.4	87.0	87.7	87.0	-5.3	-2.4	-3.7	-4.1	-1.1	-6.2	5.1	-15.2	4.0	4.7	4.5	4.4	97	92	96	96	C 0	NE 2	E 3	1.7
6	88.2	90.8	95.1	91.4	-5.3	-2.2	-2.4	-3.7	-1.6	-5.6	4.0	-5.6	3.8	4.6	4.5	4.3	93	88	88	90	NNE 3	N 4	N 5	4.0
7	99.5	100.7	103.4	101.2	-5.3	-3.2	-3.1	-4.0	-2.1	-5.6	3.5	-5.6	3.8	4.6	4.7	4.4	93	95	97	94	NW 3	NW 4	N 2	3.0
8	108.9	112.1	114.8	111.9	-3.7	-2.6	-3.7	-3.4	-2.1	-4.1	2.0	-6.0	4.6	5.0	4.1	4.6	99	100	88	96	N 2	ENE 1	ENE 1	1.3
9	117.3	116.5	117.3	117.0	-2.8	-1.0	-2.0	-2.5	-0.8	-4.5	3.7	-6.5	4.9	5.2	4.7	4.9	99	92	88	94	N 1	NE 2	E 1	1.3
10	116.9	117.9	118.3	117.7	-3.2	-1.1	-3.3	-3.0	-0.9	-4.5	3.6	-14.3	4.5	4.0	4.7	4.4	93	71	99	89	ESE 2	E 2	E 1	1.7
11	121.1	122.9	124.6	122.9	-3.5	-2.4	-5.5	-4.4	-2.1	-6.6	4.5	-8.2	4.7	4.1	3.4	4.1	99	80	83	90	C 0	E 1	E 2	1.0
12	126.2	126.6	125.8	126.2	-11.1	-6.8	-14.1	-11.4	-5.8	-14.7	8.9	-27.9	2.5	2.5	1.9	2.3	96	67	91	88	C 0	WSW 2	C 0	0.7
13	124.4	122.7	120.9	122.7	-17.3	-4.5	-5.1	-12.0	-3.1	-22.3	19.2	-30.2	1.4	2.8	3.3	2.5	89	64	80	80	SW 1	NW 1	C 0	0.7
14	117.0	115.0	113.3	115.1	-4.7	-2.4	-3.2	-3.9	-2.1	-5.6	3.5	-6.2	4.0	4.9	4.5	4.5	93	96	93	94	C 0	WNW 1	W 1	0.7
15	110.9	113.8	117.6	114.1	-1.6	-0.8	-2.3	-2.0	-0.7	-3.5	2.8	-4.6	5.3	4.9	4.6	5.0	98	85	90	93	N 2	N 3	NNE 2	2.3
16	125.9	127.9	128.5	127.4	-10.4	-5.5	-12.1	-9.4	-1.6	-13.3	11.7	-24.1	2.4	2.7	1.9	2.3	87	66	79	80	ENE 1	NE 2	C 0	1.0
17	127.5	124.2	122.0	124.6	-19.4	-4.5	-7.8	-12.8	-3.6	-20.6	17.0	-28.1	1.2	3.2	2.9	2.4	93	72	85	86	C 0	WNW 1	C 0	0.3
18	117.6	116.4	115.5	116.5	-3.2	-0.2	-0.2	-2.8	0.2	-8.2	8.4	-11.2	4.7	5.9	6.0	5.5	97	98	100	98	N 1	N 1	N 1	1.3
19	109.9	106.4	105.8	107.4	-0.8	0.6	0.2	-0.4	0.5	-1.3	1.8	-2.2	5.7	5.6	6.0	5.8	99	88	97	96	NNW 2	NW 2	N 2	2.0
20	106.1	107.4	110.8	108.1	-0.6	0.7	0.1	-0.1	0.8	-0.8	1.6	-2.0	5.7	6.1	5.9	5.9	98	95	97	97	C 0	NW 2	NNE 2	1.3
21	116.7	119.5	122.0	119.4	-0.8	3.4	-0.3	0.2	3.2	-1.5	4.7	-3.5	5.7	6.0	5.9	5.9	99	77	98	93	NNE 1	ESE 2	C 0	1.0
22	125.2	125.9	126.1	125.7	-8.2	2.8	-3.7	-4.4	3.1	-8.6	11.7	-18.1	3.2	4.5	3.6	3.8	98	61	78	84	C 0	E 1	C 0	0.3
23	127.0	126.4	125.3	126.2	-13.7	1.4	-4.3	-7.6	1.7	-14.3	16.0	-21.6	1.9	3.7	3.8	3.1	91	55	85	80	C 0	SSW 2	C 0	0.7
24	123.5	122.3	121.8	122.5	-13.1	2.6	-3.5	-6.7	3.5	-13.8	17.3	-20.7	2.1	4.2	4.0	3.4	95	57	85	83	C 0	S 1	C 0	0.3
25	121.9	121.3	120.0	121.1	-13.7	2.0	-3.1	-7.0	3.3	-14.3	17.6	-21.6	2.0	4.3	4.2	3.5	95	61	87	84	C 0	S 2	C 0	0.7
26	116.8	115.2	112.3	114.8	-11.1	5.0	-1.8	-5.0	5.0	-12.2	17.2	-20.6	2.3	3.7	4.2	3.4	87	43	78	74	C 0	SE 2	SSE 1	1.0
27	109.3	107.7	108.0	108.3	-9.7	-1.5	-3.7	-6.0	0.1	-10.6	10.7	-14.8	2.6	3.4	3.2	3.1	88	62	70	77	SSE 2	SE 2	S 2	2.0
28	108.1	111.3	112.9	110.8	-8.8	-0.2	-1.0	-5.0	-0.2	-10.2	10.0	-17.8	3.1	4.9	4.7	4.2	97	82	82	90	SSE 1	NW 2	WNW 1	1.3
M	112.3	112.3	112.7	112.4	-7.9	-1.5	-4.2	-5.6	-0.8	-9.4	8.6	-14.7	3.4	4.3	4.1	3.9	94	79	88	89		0.9	2.0	1.2	1.4

Meteorological elements March 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	112.7	112.1	112.1	112.3	-3.0	-1.1	-2.2	-2.4	-0.9	-3.5	2.6	-5.1	4.5	4.3	4.2	4.3	91	77	80	85	C 0	NW 1	NNE 1	0.7
2	112.0	110.9	109.6	110.8	-5.3	-2.6	-3.2	-4.0	-1.8	-5.6	3.8	-9.7	3.8	3.3	3.9	3.7	93	66	81	83	NNE 1	SSE 1	SSE 2	1.3
3	109.5	109.8	111.4	110.2	-5.1	-0.5	-2.1	-4.5	-0.1	-10.6	10.5	-18.8	4.0	3.8	4.5	4.1	95	64	86	85	E 1	E 1	E 1	1.0
4	112.8	113.9	115.1	113.9	-4.3	-1.4	-2.6	-3.3	-0.7	-5.5	4.8	-9.2	4.2	4.9	4.3	4.5	94	89	86	91	WNW 1	NNW 1	C 0	0.7
5	115.3	114.1	115.1	114.8	-4.0	-0.6	-2.4	-2.8	0.3	-5.1	5.4	-8.8	4.4	5.1	5.1	4.9	96	87	100	95	C 0	N 1	ESE 1	0.7
6	115.9	114.5	113.7	114.7	-8.0	0.4	-4.0	-5.2	1.7	-10.7	12.4	-20.6	3.2	5.3	4.2	4.2	95	85	92	92	C 0	SSE 2	ESE 1	1.0
7	113.8	114.3	113.9	114.0	-10.4	3.6	-1.8	-4.7	4.3	-10.9	15.2	-19.1	2.6	4.9	4.4	4.0	93	62	82	82	C 0	S 2	C 0	0.7
8	113.3	111.1	109.6	111.3	-8.3	4.2	-0.8	-3.4	4.9	-9.2	14.1	-16.2	3.1	4.7	4.7	4.2	95	57	81	82	C 0	ESE 3	C 0	1.0
9	106.9	105.3	104.8	105.7	0.2	4.2	2.8	1.5	4.9	-2.0	6.9	-9.7	5.7	7.0	7.3	6.7	93	85	98	92	E 2	SW 2	S 1	1.7
10	107.4	109.1	110.3	108.9	2.1	4.8	3.4	2.9	5.1	1.1	4.0	0.6	7.1	8.6	7.8	7.8	100	100	100	100	C 0	W 1	SSW 1	0.7
11	108.4	106.7	102.3	10.5.8	2.6	10.9	7.3	6.0	11.9	2.1	9.8	0.1	7.4	8.5	9.7	8.5	100	65	95	90	SSW 1	WSW 2	SSW 1	1.3
12	94.7	96.9	99.0	96.9	5.4	7.3	4.7	5.6	7.6	4.8	2.8	0.6	8.8	8.5	7.8	8.4	99	83	91	93	WNW 2	NW 3	NW 3	2.7
13	106.3	107.2	110.6	108.0	-0.7	0.0	-0.5	0.6	4.8	-1.3	6.1	-2.4	4.0	5.9	5.6	5.2	69	96	96	82	N 3	N 2	N 2	2.3
14	116.9	120.1	122.8	119.9	1.3	2.6	1.7	1.3	2.8	-0.6	3.4	-0.3	6.6	5.6	5.1	5.8	98	76	73	86	N 3	NNE 2	NNE 2	2.3
15	127.0	126.7	127.8	127.2	0.2	7.5	1.2	1.8	7.4	-1.4	8.8	-3.0	5.7	5.2	5.7	5.5	93	51	86	81	NNE 2	N 2	N 2	2.0
16	128.3	127.8	124.2	126.8	-2.8	0.0	-1.1	-1.4	1.6	-3.5	5.1	-5.1	4.9	6.1	5.4	5.5	99	100	96	98	N 1	NNW 1	SSW 1	1.0
17	114.3	112.4	113.5	113.4	0.2	6.7	3.9	2.0	6.7	-2.8	9.5	-3.5	6.2	6.5	6.6	6.4	100	67	82	87	W 1	NW 3	C 0	1.3
18	113.0	112.1	111.8	112.3	1.8	9.3	6.8	4.5	10.2	-0.9	11.1	-3.0	6.3	6.4	6.2	6.3	90	55	63	74	NW 2	NNE 3	NE 2	2.3
19	109.7	106.3	104.6	106.9	2.6	8.7	4.7	4.5	9.8	1.1	8.7	-1.5	6.8	7.2	7.2	7.1	92	64	84	83	NNW 1	NNW 2	NNW 3	2.0
20	104.4	105.6	110.7	106.9	0.8	5.4	-1.5	0.8	5.8	-1.9	7.7	-2.6	6.0	3.9	2.7	4.2	93	44	49	70	NW 2	N 4	NNE 3	3.0
21	118.2	118.7	119.4	118.8	-6.3	-0.8	-3.2	-4.2	0.2	-7.4	7.6	-7.9	2.3	2.5	2.4	2.4	59	43	49	52	N 3	N 5	N 1	3.0
22	121.4	121.4	119.5	120.8	-7.4	2.6	-1.9	-4.3	3.4	-11.2	14.6	-11.4	3.2	2.5	3.0	2.9	91	34	57	68	C 0	N 2	C 0	0.7
23	118.9	116.6	114.6	116.7	-1.6	8.5	3.0	1.3	9.1	-5.3	14.4	-5.8	4.0	3.2	4.1	3.8	74	29	54	58	W 1	W 2	NW 1	1.3
24	111.9	109.5	108.8	110.1	-0.7	13.7	5.9	4.2	14.8	-3.0	17.8	-4.0	4.9	4.2	5.2	4.8	85	27	56	63	C 0	NW 3	C 0	1.0
25	108.1	107.3	107.5	107.6	-2.3	13.9	10.2	4.6	14.8	-4.4	19.2	-6.6	5.1	4.9	6.5	5.5	98	31	52	70	C 0	N 2	NNE 1	1.0
26	111.6	112.7	113.7	112.7	-1.4	13.7	6.0	4.0	14.4	-3.0	17.4	-6.1	5.4	5.8	4.7	5.3	98	37	50	71	C 0	SSE 2	NE 1	1.0
27	113.9	111.4	108.4	111.2	2.0	14.6	8.9	6.0	15.4	-2.3	17.7	-6.2	5.8	5.9	6.2	6.0	82	36	54	64	SE 1	S 3	SE 1	1.7
28	104.3	103.1	102.7	103.4	3.9	16.7	9.9	7.8	17.0	0.6	16.4	-3.5	6.7	8.1	8.9	7.9	83	43	73	70	SSE 1	SSW 2	C 0	1.0
29	102.7	103.5	102.7	103.0	4.9	9.6	6.4	6.8	12.4	3.3	9.1	-1.4	8.3	9.8	8.2	8.8	96	82	85	90	C 0	NNW 1	C 0	0.3
30	102.6	100.6	97.7	100.3	1.0	15.1	9.1	6.1	15.6	-1.2	16.8	-3.1	6.6	9.1	8.2	8.0	100	53	71	81	S 1	SW 2	SSW 1	1.3
31	97.1	99.5	106.8	101.1	5.2	5.4	2.6	4.9	9.1	2.6	6.5	-0.4	7.8	7.4	5.4	6.9	88	83	73	83	NNW 3	NNW 4	N 3	3.3
M	111.4	111.0	111.1	111.2	-1.2	5.7	2.3	1.2	6.8	-3.2	10.0	-6.2	5.3	5.8	5.7	5.6	91	64	77	81	1.1	2.2	1.2	1.5

Meteorological elements April 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	113.3	110.3	104.6	109.4	0.5	6.8	3.4	2.3	8.4	-3.0	11.4	-7.1	4.8	5.2	5.3	5.1	75	53	68	68	W 1	NNW 3	S 1	1.7
2	90.8	86.7	88.8	88.8	3.0	11.7	7.7	6.1	12.6	1.1	11.5	-3.8	4.9	6.1	9.4	6.8	64	45	89	65	S 2	S 3	W 1	2.0
2	94.3	98.5	101.3	98.0	4.7	8.5	5.5	5.6	10.2	1.8	8.4	-2.0	8.2	7.2	6.1	7.2	96	65	68	81	SSW 1	WNW 3	NNW 1	1.7
4	108.0	108.9	105.2	107.4	1.2	5.6	3.8	2.8	6.2	0.2	6.0	-2.9	5.9	4.8	4.7	5.1	88	53	58	72	N 3	N 3	SW 1	2.3
5	95.4	93.0	91.5	93.3	3.1	7.0	0.8	3.0	7.4	0.6	6.8	-1.0	7.6	6.1	5.3	6.3	100	61	83	86	N 2	N 4	N 3	3.0
6	92.0	93.1	95.3	93.5	-2.0	1.5	-1.1	-0.9	1.8	-2.4	4.2	-5.1	5.2	5.2	4.7	5.0	98	77	84	89	N 4	N 5	NNW 3	4.0
7	97.7	97.1	99.0	97.9	-2.6	0.4	-0.4	-1.3	1.0	-3.1	4.1	-3.8	4.4	5.9	5.9	5.4	88	93	100	92	NW 3	N 4	N 3	3.3
8	100.6	100.4	100.1	100.4	-3.0	-1.1	-2.0	-2.2	-0.2	-3.5	3.3	-3.7	4.9	4.9	5.0	4.9	99	88	94	95	N 3	N 3	NNW 2	2.7
9	94.9	96.8	99.9	97.2	-2.0	0.6	-0.7	-1.2	0.9	-2.8	3.7	-3.8	5.2	5.9	5.3	5.5	98	93	92	95	W 3	SSW 3	SSW 2	2.7
10	99.0	98.0	97.1	98.0	-1.5	3.6	3.0	0.2	5.0	-5.6	10.6	-15.7	4.7	6.1	6.7	5.8	85	77	89	84	SSE 2	SSE 2	SSE 1	1.7
11	94.4	96.3	101.5	97.4	3.4	5.7	3.9	3.9	6.1	2.2	3.9	0.0	7.8	8.6	8.1	8.2	100	94	100	98	S 2	SW 2	NW 1	1.7
12	107.4	108.2	109.8	108.5	1.6	10.1	4.9	4.4	11.0	0.1	10.9	-2.5	6.9	5.6	6.0	6.2	100	46	70	79	W 1	SW 2	C 0	1.0
13	114.9	115.2	116.3	115.5	1.6	13.3	7.9	5.0	13.7	-3.1	16.8	-6.2	6.7	5.6	6.5	6.3	98	36	61	73	C 0	SE 2	C 0	0.7
14	119.0	118.8	118.4	118.7	3.7	14.9	10.4	7.0	15.9	-1.9	17.8	-5.8	7.5	5.0	6.5	6.3	94	30	51	67	E 1	ESE 2	ENE 1	1.3
15	121.0	120.7	120.0	120.6	10.2	15.3	9.9	10.4	16.4	5.0	11.4	0.0	6.6	5.7	6.2	6.2	53	33	51	48	NE 2	ENE 3	ENE 1	2.0
16	122.0	121.1	121.2	121.4	8.1	14.3	8.8	8.2	14.9	0.8	14.1	-4.0	6.3	5.4	5.9	5.9	59	33	52	51	S 1	NE 3	NE 1	1.7
17	120.3	118.0	115.5	117.9	6.3	15.9	11.9	8.6	17.5	-1.5	19.0	-5.2	6.6	7.0	6.8	6.8	69	39	49	56	ESE 1	NNW 1	NNE 1	1.0
18	112.5	111.4	111.7	111.9	8.3	14.5	12.0	9.6	16.0	2.3	13.7	-1.7	9.0	9.0	6.5	8.2	82	55	46	66	E 2	ENE 3	E 1	2.0
19	115.0	113.5	112.5	113.7	7.3	14.5	11.3	10.2	16.0	6.4	9.6	4.7	6.6	4.5	4.6	5.2	65	27	34	48	E 3	ENE 4	SE 2	3.0
20	114.3	112.5	111.1	112.6	9.5	16.7	11.8	10.8	17.5	4.6	12.9	0.0	5.4	5.2	5.9	5.5	45	27	43	40	SSE 3	SSE 4	SSE 1	2.7
21	110.5	108.8	106.2	108.5	9.3	18.5	12.3	10.2	19.3	0.1	19.2	-4.6	7.0	5.5	6.0	6.2	59	26	42	46	C 0	ESE 3	C 0	1.0
22	102.1	99.7	98.9	100.2	11.3	17.5	11.9	11.4	19.3	3.0	16.3	-1.0	7.6	8.2	7.8	7.9	57	41	56	53	NE 1	NE 1	NE 1	1.0
23	98.4	99.1	100.3	99.3	8.5	13.6	9.7	9.9	14.8	6.5	8.3	3.1	9.5	8.8	11.7	10.0	86	56	98	82	ENE 1	NE 2	NE 1	1.3
24	103.1	103.7	104.7	103.8	7.5	17.7	11.3	10.2	18.6	3.6	15.0	1.1	9.9	7.6	8.2	8.6	96	38	61	73	C 0	NNE 3	N 1	1.3
25	109.5	110.1	110.6	110.1	6.9	14.7	10.3	8.9	15.4	3.2	12.2	-1.5	7.2	6.4	5.8	6.5	72	38	46	57	NE 2	E 1	NE 1	1.3
26	110.3	106.9	103.1	106.8	6.4	14.5	12.3	8.4	14.9	0.1	14.8	-3.6	5.6	6.6	6.9	6.4	59	40	49	52	SE 3	SE 2	ESE 2	2.3
27	95.2	95.1	95.4	95.2	9.7	14.7	12.5	11.7	16.4	8.2	8.2	5.9	7.5	12.2	11.6	10.4	62	73	80	69	S 2	N 1	C 0	1.0
28	98.6	99.1	98.5	98.7	11.9	17.5	14.2	12.6	19.1	5.2	13.9	0.8	10.8	10.9	10.0	10.6	78	54	62	68	W 2	SW 3	C 0	1.7
29	98.6	98.3	100.9	99.3	15.3	25.3	19.2	18.3	27.0	11.8	15.2	4.8	11.9	11.4	13.3	12.2	69	35	60	58	SSW 2	WSW 3	WSW 1	2.0
30	107.3	104.6	98.1	103.3	15.0	23.3	21.8	17.6	25.2	8.3	16.9	4.2	13.6	13.3	14.0	13.6	80	47	54	65	NE 1	SW 2	S 2	1.7
M	105.3	104.8	104.6	104.9	5.4	11.9	8.3	7.0	12.9	1.6	11.3	-2.0	7.2	7.0	7.2	7.1	79	52	66	69		1.8	2.7	1.2	1.9

Meteorological elements May 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	100.5	104.6	105.3	103.4	15.9	19.7	15.6	17.3	22.1	15.5	6.6	11.0	16.2	9.7	8.3	11.4	90	42	47	67	W 2	NW 4	WNW 1	2.3
2	107.3	106.7	104.3	106.1	14.3	20.9	17.0	16.7	22.0	13.6	8.4	5.2	10.1	8.4	9.5	9.3	62	34	49	52	WNW 1	WNW 3	C 0	1.3
3	100.6	100.2	102.8	101.2	16.7	21.3	12.9	15.9	23.2	10.8	12.4	6.5	13.3	12.2	13.6	13.0	70	48	91	70	SSW 1	NW 3	SW 1	1.7
4	109.7	111.1	111.2	110.7	11.9	17.8	14.8	13.9	19.2	9.7	9.5	6.4	9.2	7.1	8.5	8.3	66	35	51	54	NNW 3	NNW 4	NNW 1	2.7
5	113.2	111.3	109.6	111.4	13.6	22.4	18.8	14.8	23.4	3.2	20.2	0.1	10.3	9.7	10.5	10.2	66	36	48	54	ENE 1	S 2	SE 1	1.3
6	108.8	105.9	103.9	106.2	17.1	29.0	23.3	20.4	29.9	11.2	18.7	4.8	10.3	9.0	12.9	10.7	53	22	45	43	SSW 2	S 5	C 0	2.3
7	109.3	110.1	109.7	109.7	15.1	21.0	15.1	16.4	22.9	12.7	10.2	8.7	12.4	10.5	10.1	11.0	72	42	59	61	N 3	N 3	N 2	2.7
8	111.3	108.3	105.5	108.4	14.0	22.2	16.8	16.8	23.1	13.1	10.0	0.5	9.5	9.0	10.2	9.6	60	34	54	52	SE 2	NNW 2	C 0	1.3
9	103.0	101.2	103.7	102.6	17.1	21.8	18.1	17.5	23.5	11.2	12.3	6.6	12.6	18.0	16.4	15.7	65	69	79	70	S 1	N 2	N 2	1.7
10	106.7	108.0	111.1	108.6	11.3	19.0	17.0	15.0	21.5	10.3	11.2	9.3	11.8	10.2	12.0	11.3	88	46	62	71	C 0	ESE 2	C 0	0.7
11	109.9	109.5	108.0	109.1	14.9	17.9	14.7	14.6	19.0	9.8	9.2	6.4	14.3	19.3	16.0	16.5	85	94	96	90	C 0	NNE 1	NNE 2	1.0
12	106.0	105.6	105.4	105.7	14.0	17.7	15.7	15.4	19.0	13.1	5.9	12.4	14.8	16.6	15.3	15.6	93	82	86	88	C 0	NW 2	C 0	0.7
13	103.3	100.1	97.2	100.2	15.7	22.2	18.9	18.6	24.5	15.2	9.3	4.8	15.2	18.3	17.9	17.1	85	68	82	80	SE 1	SSE 2	C 0	1.0
14	100.8	105.9	107.2	104.6	12.8	11.5	9.1	12.5	19.0	9.1	9.9	8.6	14.1	11.8	11.1	12.3	96	87	96	94	NNW 2	NNW 2	C 0	1.3
15	106.6	106.1	105.5	106.1	9.7	13.1	9.6	9.8	13.9	5.8	8.1	4.8	10.4	10.0	11.5	10.6	87	66	96	84	NNW 2	NNE 2	NW 1	1.7
16	107.5	107.4	106.0	107.0	8.5	12.7	10.5	10.2	14.5	7.5	7.0	7.0	10.2	7.8	9.6	9.2	92	53	75	78	N 1	NW 3	C 0	1.3
17	107.9	107.3	105.8	107.0	10.9	17.5	14.7	11.8	19.3	2.5	16.8	0.0	12.1	8.2	10.1	10.1	93	41	61	72	C 0	SE 2	C 0	0.7
18	104.2	103.2	101.9	103.1	12.5	21.3	16.9	14.6	22.5	6.6	15.9	2.7	10.9	12.2	13.8	12.3	75	48	72	68	SSW 2	NNW 2	C 0	1.3
19	101.8	101.0	99.7	100.8	15.3	17.0	16.1	15.3	18.7	11.1	7.6	5.4	14.1	13.7	15.4	14.4	81	71	84	79	SSW 1	C 0	SSW 1	0.7
20	97.9	101.9	104.3	101.4	16.3	19.7	15.1	16.5	20.7	14.0	6.7	9.9	15.6	11.9	11.2	12.9	84	52	66	72	NW 3	WNW 4	C 0	2.3
21	106.0	106.5	106.9	106.5	11.3	15.3	15.4	13.6	16.4	11.1	5.3	11.0	12.4	11.1	13.8	12.4	93	64	79	82	ENE 1	ENE 2	C 0	1.0
22	108.9	109.2	108.6	108.9	13.4	17.7	15.7	15.4	19.5	13.1	6.4	9.5	12.7	12.2	14.1	13.0	83	60	79	76	N 1	NNE 2	S 2	1.7
23	107.8	105.7	104.4	106.0	15.5	21.9	18.2	15.7	22.5	6.5	16.0	4.1	13.1	10.0	12.6	11.9	74	38	60	62	C 0	S 2	C 0	0.7
24	105.5	104.9	104.1	104.8	17.4	24.6	20.5	18.5	25.8	10.2	15.6	6.4	14.2	12.8	14.9	14.0	71	41	62	61	S 1	SW 3	S 1	1.7
25	103.5	102.5	102.1	102.7	21.8	29.2	24.3	22.0	29.5	12.6	16.9	10.0	16.2	17.2	18.9	17.4	62	42	62	57	SE 2	SSE 3	ENE 1	2.0
26	104.1	104.1	104.1	104.1	23.6	31.6	24.5	23.5	31.8	14.1	17.7	11.2	18.0	11.8	17.5	15.8	62	25	57	52	ESE 2	ESE 3	C 0	1.7
27	108.2	108.7	108.6	108.5	18.1	25.0	22.4	20.7	27.1	15.1	12.0	13.0	15.3	18.2	16.2	16.6	74	58	60	66	NNE 1	NNE 3	NNE 3	2.3
28	110.0	108.8	107.8	108.9	16.0	24.3	20.7	18.6	25.0	12.9	12.1	11.9	14.1	13.7	9.8	12.5	78	45	40	60	N 1	NNE 3	NNE 3	2.3
29	109.6	108.5	107.8	108.6	14.3	22.0	18.3	16.2	23.2	9.1	14.1	5.8	11.8	10.0	10.5	10.8	72	38	50	58	NNE 1	SSE 2	NE 1	1.3
30	108.3	106.2	103.8	106.1	16.3	23 6	19.7	16.4	24.5	5.3	19.2	2.5	10.6	9.5	11.2	10.4	57	33	49	49	S 2	S 2	C 0	1.3
31	102.2	100.3	98.7	100.4	17.6	26.8	22.1	20.3	27.0	14.5	12.5	5.8	13.0	11.3	13.0	12.4	65	32	49	53	WSW 2	NW 1	C 0	1.0
M	106.1	105.8	105.3	105.7	14.9	20.9	17.2	16.3	22.4	10.7	11.7	6.8	12.9	12.0	12.8	12.5	76	50	66	67	1.4	2.5	0.7	1.5

Meteorological elements June 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	100.0	100.8	101.9	100.9	18.3	24.4	20.7	18.8	24.7	11.6	13.1	8.5	14.2	13.3	11.7	13.1	68	44	48	57	E 3	ENE 2	NE 2	2.3
2	106.2	105.4	104.9	105.5	16.5	23.0	20.1	16.6	24.3	5.5	18.8	2.2	8.0	6.9	9.6	8.2	42	25	41	38	E 3	SSE 2	C 0	1.7
3	107.1	106.7	107.3	107.0	17.3	24.8	21.1	17.0	25.2	4.3	20.9	1.9	10.9	8.9	8.9	9.6	55	28	36	44	E 1	ESE 2	ENE 1	1.3
4	111.3	110.4	109.1	110.3	18.7	24.6	21.8	18.3	25.6	7.0	18.6	4.3	11.0	9.0	9.4	9.8	51	29	36	42	SE 2	WSW 3	SW 2	2.3
5	107.5	105.3	103.9	105.6	18.2	30.8	26.0	21.4	31.9	9.7	22.2	4.8	10.9	17.4	17.7	15.3	52	39	53	49	SSW 2	W 2	C 0	1.3
6	104.8	104.5	103.9	104.4	18.3	26.7	22.4	21.4	26.9	18.2	8.7	16.0	18.7	19.2	17.0	18.3	89	55	63	74	N 2	WNW 2	NW 2	2.0
7	108.1	107.7	107.0	107.6	17.2	22.8	21.3	18.4	24.5	10.6	13.9	6.7	11.9	12.6	13.2	12.6	61	45	52	55	NW 2	NW 2	NNW 1	1.7
8	108.3	106.7	103.4	106.1	20.8	27.3	25.3	21.4	29.0	10.6	18.4	8.5	15.4	13.0	13.8	14.1	63	36	43	51	SW 1	W 2	SSW 1	1.3
9	101.2	103.9	103.9	103.0	22.7	26.8	23.4	22.9	28.4	17.2	11.2	12.9	17.2	17.2	13.2	15.9	62	49	46	55	SW 1	WNW 3	WNW 2	2.0
10	108.6	108.0	106.8	107.8	18.5	24.4	22.0	19.0	25.4	10.2	15.2	5.3	11.3	10.0	11.7	11.0	53	33	44	46	W 2	W 3	C 0	1.7
11	104.8	103.0	102.8	103.5	19.9	25.4	24.2	20.6	27.2	11.0	16.2	7.9	12.8	21.4	18.2	17.5	55	66	60	59	SSW 1	SSW 1	NNW 1	1.0
12	107.6	106.9	105.4	106.6	19.3	25.5	22.8	20.2	26.5	12.3	14.2	8.4	12.2	10.7	12.7	11.9	54	33	46	47	NW 4	NW 4	W 1	3.0
13	103.7	104.1	104.8	104.2	16.4	24.8	22.0	19.7	26.3	14.1	12.2	10.6	17.7	15.3	9.3	14.1	95	49	35	68	C 0	NW 3	NW 2	1.7
14	109.2	108.0	105.3	107.5	17.3	22.4	20.1	17.2	23.5	7.9	15.6	3.8	12.2	9.7	10.2	10.7	62	36	44	51	NW 2	W 2	NW 1	1.7
15	104.5	104.7	103.4	104.2	16.3	20.9	19.9	17.6	23.0	11.1	11.9	6.6	11.1	8.4	9.7	9.7	60	34	42	49	ENE 3	NNE 3	NW 2	2.7
16	101.6	100.5	100.3	100.8	13.0	15.9	14.4	14.8	20.0	11.6	8.4	11.6	13.5	14.5	15.5	14.5	90	80	95	89	NNE 1	N 3	C 0	1.3
17	102.9	105.1	105.0	104.3	14.4	17.9	16.3	15.3	19.5	11.1	8.4	9.9	13.5	12.1	12.2	12.6	82	59	66	72	N 1	NNE 2	N 1	1.3
18	106.9	105.7	104.8	105.8	14.7	20.9	17.5	15.2	22.3	6.3	16.0	4.6	10.3	10.4	11.4	10.7	61	42	57	55	NE 1	NE 1	NE 1	1.0
19	105.7	103.7	101.2	103.5	18.7	24.4	20.2	18.5	25.5	9.5	16.0	8.2	11.0	11.3	14.7	12.3	51	37	62	50	E 1	ESE 2	W 4	2.3
20	93.5	94.5	94.8	94.3	17.3	19.7	14.7	16.8	21.0	14.0	7.0	11.7	17.1	12.6	12.3	14.0	87	55	74	76	WSW 3	WNW 4	W 3	3.3
21	94.9	95.5	96.0	95.5	13.1	17.3	14.2	14.3	18.8	11.2	7.6	10.7	12.0	13.2	12.7	12.6	80	67	78	76	W 5	W 5	W 3	4.3
22	98.6	99.9	101.3	99.9	12.7	14.1	13.8	14.0	18.0	11.3	6.7	12.1	13.4	13.2	14.6	13.7	91	82	92	89	WNW 3	NNW 4	W 3	3.3
23	103.0	103.7	100.8	102.5	15.2	21.6	19.6	16.3	22.7	7.6	15.1	6.5	14.5	13.2	14.8	14.2	84	51	65	71	W 1	W 1	E 1	1.0
24	96.9	100.0	100.6	99.2	18.9	21.3	19.9	19.1	23.0	14.5	8.5	14.1	17.7	14.0	14.2	15.3	81	55	61	70	WNW 3	WNW 5	W 1	3.0
25	100.3	100.6	101.3	100.7	16.1	14.7	13.9	15.9	20.2	13.4	6.8	10.9	14.0	14.0	14.9	14.3	77	84	94	83	NW 2	NW 2	W 2	2.0
26	102.8	103.0	101.8	102.5	13.5	15.8	15.1	15.3	21.1	11.6	9.5	10.4	14.1	14.9	16.1	15.0	91	83	94	90	NW 2	NW 3	WNW 1	2
27	103.3	101.5	101.7	102.2	15.1	22.6	18.1	16.8	23.6	10.3	13.3	9.3	14.7	14.2	14.2	14.4	86	52	68	73	E 1	NW 2	N 1	1.3
28	101.9	101.4	101.5	101.6	16.7	22.2	18.4	17.9	24.0	12.4	11.6	11.1	15.2	13.0	13.1	13.8	81	49	62	68	NW 1	NNE 4	E 1	2.0
29	102.3	101.3	99.3	101.0	17.7	24.7	21.3	18.2	25.6	8.0	17.6	6.6	13.6	12.7	14.7	13.7	67	41	58	58	C 0	NE 2	C 0	0.7
30	95.6	93.2	92.2	93.7	16.7	27.0	20.9	20.0	28.0	14.6	13.4	13.6	17.1	17.0	17.4	17.2	90	48	71	75	SSE 1	SSW 2	ESE 2	1.7
M	103.4	103.2	102.5	103.0	17.0	22.5	19.7	18.0	24.2	11.0	13.2	8.7	13.6	13.1	13.3	13.3	71	50	60	63	1.8	2.6	1.4	1.9

Meteorological elements July 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	92.1	90.6	89.0	90.6	15.1	24.9	21.3	18.8	25.5	13.1	12.4	11.1	16.8	14.9	16.6	16.1	98	47	66	77	N 1	S 2	NE 1	1.3
2	85.8	89.6	92.2	89.2	15.1	22.2	17.9	17.6	22.5	15.0	7.5	15.0	16.6	16.0	15.8	16.1	97	60	77	83	WNW 4	WSW 4	W 2	3.3
3	96.8	97.4	96.7	97.0	18.8	25.4	20.7	19.3	26.2	11.6	14.6	9.9	15.3	13.8	14.0	14.4	71	42	57	60	SSE 1	S 2	SSW 2	1.7
4	97.7	97.3	96.6	97.2	18.7	24.6	20.9	19.4	25.4	12.6	12.8	10.6	16.1	13.9	15.7	15.2	75	45	64	65	WNW 2	W 2	C 0	1.3
5	96.1	95.9	95.9	96.0	19.1	19.0	18.3	18.6	22.5	14.7	7.8	12.6	15.8	18.6	16.4	16.9	72	85	78	77	W 1	SW 1	W 1	1.0
6	96.4	96.6	98.6	97.2	16.3	16.9	17.1	17.0	19.6	15.1	4.5	14.1	16.7	18.1	18.2	17.7	90	94	93	92	SW 2	WNW 2	W 3	2.3
7	103.5	103.0	103.8	103.4	15.3	21.7	18.9	17.8	22.6	14.3	8.3	14.2	15.6	16.9	15.4	16.0	90	65	71	79	N 2	NNW 3	NW 2	2.3
8	102.3	101.3	100.8	101.5	14.1	19.1	18.6	16.9	22.0	13.0	9.0	12.8	13.1	16.6	14.7	14.8	81	75	69	76	N 3	N 4	N 4	3.7
9	100.2	98.3	99.8	99.4	14.7	22.8	20.1	17.6	24.5	11.0	13.5	8.5	14.0	14.4	13.7	14.0	84	52	58	70	WSW 2	N 6	N 2	3.3
10	100.5	99.5	100.1	100.0	16.5	23.2	19.1	18.0	23.9	12.6	11.3	9.7	15.8	11.9	12.8	13.5	84	42	58	67	NNW 1	WNW 2	NW 1	1.3
11	103.4	104.1	102.7	103.4	15.3	19.5	18.9	17.4	22.4	12.9	9.5	11.0	13.4	13.6	14.2	13.7	77	60	65	70	N 2	NW 2	NW 1	1.7
12	100.7	100.8	102.1	101.2	19.3	17.3	17.3	17.7	22.5	11.8	10.7	9.2	15.0	17.5	13.2	15.2	67	88	67	72	WSW 1	N 3	NW 1	1.7
13	103.1	103.5	104.7	103.8	16.0	17.1	18.3	17.0	21.7	12.0	9.7	10.2	14.4	14.0	14.6	14.3	79	72	69	75	WNW 2	WNW 3	C 0	1.7
14	105.8	104.3	103.4	104.5	15.7	22.7	19.5	18.1	24.3	13.0	11.3	11.6	16.4	16.0	21.0	17.8	92	58	93	84	N 1	N 2	C 0	1.0
15	103.1	103.7	103.6	103.5	18.3	20.9	20.9	19.4	25.4	13.0	12.4	11.2	18.3	22.1	19.2	19.9	87	89	78	85	WNW 1	NNW 2	C 0	1.0
16	104.2	103.1	103.0	103.4	20.5	28.0	24.0	21.8	29.3	13.5	15.8	11.8	21.5	16.8	19.7	19.3	89	44	66	72	NNW 1	S 2	C 0	1.0
17	105.0	104.2	103.6	104.3	21.3	29.1	27.1	23.4	30.1	15.0	15.1	13.4	18.9	17.7	18.2	18.3	75	44	51	61	N 1	S 2	E 1	1.3
18	104.3	103.2	105.7	104.4	24.0	32.2	18.3	22.5	32.5	15.2	17.3	13.6	20.0	13.9	20.6	18.2	67	29	98	65	W 1	S 1	N 1	1.0
19	107.7	108.2	108.9	108.3	19.1	23.8	21.9	20.8	25.0	17.3	7.7	16.1	21.3	21.2	19.7	20.7	96	72	75	85	N 1	NNW 2	NNE 2	1.7
20	109.0	107.3	107.2	107.8	20.2	27.4	23.4	21.5	28.1	14.4	13.7	12.6	17.2	16.8	19.1	17.7	72	46	66	64	N 2	N 2	C 0	1.3
21	107.9	106.5	106.0	106.8	21.4	30.4	25.7	23.0	30.5	14.2	16.3	12.6	18.3	16.2	17.5	17.3	72	37	53	58	SSW 1	WSW 1	C 0	0.7
22	106.1	104.1	104.6	104.9	24.6	31.8	20.9	23.3	32.1	15.6	16.5	13.6	20.0	16.3	23.4	19.9	65	35	95	65	SSE 2	S 3	W 1	2.0
23	104.8	104.9	103.9	104.5	20.0	25.4	23.7	21.8	26.9	16.5	10.4	15.1	21.3	19.0	19.3	19.9	91	59	66	77	N 1	N 1	C 0	0.7
24	105.1	104.1	102.6	103.9	20.7	27.8	24.5	22.2	28.4	15.0	13.4	13.8	18.6	19.5	17.3	18.5	76	52	56	65	N 2	N 1	C 0	1.0
25	102.6	101.2	100.2	101.3	22.6	28.2	24.0	22.8	29.4	15.4	14.0	12.6	20.5	16.6	20.4	19.2	75	43	68	65	SE 2	SE 2	C 0	1.3
26	101.3	101.0	102.2	101.5	21.8	29.0	23.7	23.5	29.9	18.5	11.4	17.9	21.1	20.9	20.2	20.7	81	52	69	71	W 1	WSW 2	SW 1	1.3
27	103.6	103.1	102.6	103.1	22.4	31.4	28.0	24.8	31.9	16.9	15.0	15.5	22.4	16.3	18.0	18.9	83	36	48	62	S 1	SSW 2	S 1	1.3
28	104.0	102.9	104.8	103.9	25.6	33.0	24.8	26.0	34.0	19.8	14.2	17.0	21.4	18.1	22.7	20.7	65	36	72	60	S 2	SW 4	WNW 2	2.7
29	106.3	107.6	106.3	106.7	21.6	25.2	19.0	21.5	27.0	18.5	8.5	16.7	23.3	23.3	20.5	22.4	91	73	94	87	C 0	NW 2	C 0	0.7
30	106.1	105.2	104.6	105.3	19.9	27.6	20.1	21.4	28.9	16.8	12.1	16.0	21.1	17.9	22.0	20.3	91	48	94	81	SSE 1	ESE 2	NE 1	1.3
31	104.9	104.1	105.0	104.7	20.1	27.4	20.1	21.4	28.0	17.5	10.5	17.1	22.7	18.2	22.5	21.1	96	50	95	84	NNE 1	NNE 3	C 0	1.3
M	102.3	101.8	102.0	102.0	19.2	25.0	21.2	20.4	26.5	14.7	11.8	13.1	18.2	17.0	18.0	17.7	82	56	72	73	1.5	2.3	1.0	1.6

Meteorological elements August 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	105.9	105.4	105.3	105.5	20.5	29.6	23.6	22.6	30.1	16.2	13.9	15.0	21.1	16.9	19.0	19.0	88	41	65	70	E 1	E 1	C 0	0.7
2	106.7	107.1	107.7	107.2	20.9	26.8	23.6	21.8	27.5	15.0	12.5	13.9	18.4	18.9	20.7	19.3	75	54	71	69	S 1	SSW 2	C 0	1.0
3	109.3	109.7	109.4	109.5	21.1	26.8	23.8	22.4	28.4	16.5	11.9	15.1	20.7	18.9	20.7	20.1	83	54	70	72	C 0	ENE 1	C 0	0.3
4	110.1	108.9	109.4	109.5	21.3	29.2	24.3	22.9	30.4	15.5	14.9	14.1	21.4	16.8	16.5	18.2	85	41	54	66	C 0	N 3	NW 1	1.3
5	111.7	111.1	110.7	111.2	19.1	26.0	21.7	20.2	27.0	12.5	14.5	9.3	16.2	13.0	12.6	13.9	73	39	49	58	NNW 2	NW 3	N 1	2.0
6	111.8	110.6	109.6	110.7	18.0	25.0	21.6	19.0	26.6	9.8	16.8	7.1	17.3	11.4	12.5	13.7	84	36	48	63	N 1	N 2	NNW 1	1.3
7	111.1	110.0	108.3	109.8	18.6	26.2	21.3	18.9	26.5	9.1	17.4	6.5	16.2	12.6	12.2	13.7	76	37	48	59	NNW 2	NNW 3	C 0	1.7
8	107.9	106.5	106.3	106.9	18.3	26.4	21.7	20.5	27.9	14.1	13.8	11.6	16.0	12.7	14.4	14.4	76	37	56	61	C 0	NW 2	C 0	0.7
9	108.0	106.8	105.4	106.7	19.2	24.8	19.7	19.4	25.5	13.0	12.5	9.7	16.1	15.3	18.5	16.6	73	49	80	69	C 0	E 1	C 0	0.3
10	105.1	104.5	104.2	104.6	14.9	22.0	17.9	16.3	23.5	9.0	14.5	5.8	12.2	10.0	10.4	10.9	72	38	51	58	N 2	NNE 4	N 2	2.7
11	107.1	107.5	107.8	107.5	15.5	22.2	19.0	16.9	23.3	9.9	13.4	5.8	12.9	9.5	9.4	10.6	73	35	43	56	NNW 2	N 3	NNW 1	2.0
12	110.9	109.1	106.3	108.8	15.3	23.6	22.4	17.2	24.9	6.2	18.7	2.9	12.2	13.9	16.2	14.1	70	48	60	62	NNE 1	NE 2	SW 1	1.3
13	102.6	101.1	99.1	100.9	17.9	26.0	23.2	21.3	28.8	15.2	13.6	13.6	18.9	16.9	20.3	18.7	92	50	71	76	C 0	NW 1	C 0	0.3
14	100.0	100.0	97.1	99.0	20.7	27.6	21.1	20.8	27.7	13.9	13.8	11.4	18.2	12.6	13.9	14.9	74	34	56	60	NW 3	W 3	C 0	2.0
15	98.2	97.6	98.5	98.1	17.5	24.2	20.1	18.4	25.0	11.1	13.9	7.9	16.2	10.9	10.2	12.4	81	36	44	60	W 2	W 4	W 1	2.3
16	101.2	102.4	103.3	102.3	17.6	22.6	18.3	17.6	22.6	12.0	10.6	7.3	11.8	11.4	12.8	12.0	59	42	61	55	NW 3	NW 4	W 1	2.7
17	106.1	107.0	107.0	106.7	15.1	23.9	19.1	17.2	25.0	9.6	15.4	5.9	13.0	11.4	10.6	11.7	76	39	48	60	WNW 1	W 2	C 0	1.0
18	109.1	107.2	105.5	107.3	16.8	27.6	22.6	19.0	28.8	7.8	21.0	4.4	12.5	8.9	11.6	11.0	65	24	42	49	C 0	S 1	C 0	0.3
19	102.4	100.5	101.5	101.5	20.3	21.2	17.4	19.2	22.5	16.7	5.8	13.2	14.5	20.9	19.3	18.2	61	83	97	76	SW 2	SW 1	W 1	1.3
20	104.8	105.3	105.6	105.2	17.8	19.9	17.5	18.6	22.9	16.4	6.5	15.3	18.6	21.1	16.6	18.8	91	91	83	89	W 1	NW 2	NW 2	1.7
21	105.9	104.7	103.0	104.5	15.1	23.9	18.3	17.0	24.4	10.1	14.3	7.8	16.1	11.8	14.6	14.2	94	40	69	74	C 0	NW 2	C 0	0.7
22	102.4	100.8	100.0	101.1	16.1	25.6	20.9	19.2	26.0	14.0	12.0	12.0	16.1	15.6	16.1	15.9	88	47	65	72	S 1	NW 2	C 0	1.0
23	102.1	101.0	99.0	100.7	17.5	23.0	19.0	18.2	24.0	12.2	11.8	9.3	16.6	14.5	17.4	16.2	83	51	79	74	W 1	W 3	W 1	1.7
24	99.8	99.1	99.0	99.3	14.9	19.2	16.1	16.0	20.4	12.4	8.0	10.5	14.2	15.0	16.8	15.3	84	68	92	82	SW 3	NW 3	W 1	2.3
25	98.8	98.8	98.8	98.8	14.0	21.3	17.6	16.8	22.7	12.9	9.8	10.8	15.1	13.8	13.5	14.1	95	54	67	78	W 2	WNW 4	NNW 1	2.3
26	98.1	96.2	95.2	96.5	14.3	22.1	16.8	16.0	23.0	10.0	13.0	7.1	14.6	12.0	13.4	13.3	89	45	70	73	WNW 1	SW 2	WSW 1	1.3
27	90.1	90.4	91.4	90.6	15.0	17.3	15.9	15.4	18.5	12.1	6.4	10.3	13.4	11.3	11.5	12.1	79	57	64	70	W 3	W 4	N 1	2.7
28	97.8	99.2	99.8	98.9	12.7	18.5	13.6	13.7	20.0	8.6	11.4	4.9	9.5	8.9	10.9	9.8	65	42	70	60	WNW 2	WNW 2	C 0	1.3
29	98.0	90.3	87.8	92.0	14.1	27.6	23.8	18.6	29.4	7.0	22.4	4.4	11.1	14.6	16.0	13.9	69	39	54	58	SSE 2	SSE 4	SSW 1	2.3
30	87.6	93.0	96.2	92.3	16.5	16.7	14.4	17.2	23.5	14.5	9.0	11.3	18.2	14.1	14.0	15.4	97	74	85	88	WSW 2	WSW 3	WSW 1	2.0
31	98.2	98.3	99.1	98.5	13.1	19.3	13.4	13.9	20.0	9.0	11.0	6.3	14.6	12.2	11.6	12.8	97	54	76	81	WSW 1	NW 3	W 1	1.7
M	103.5	102.9	102.5	103.0	17.1	18.2	19.7	18.5	25.0	12.0	13.0	9.4	15.6	13.8	14.7	14.7	80	48	64	68	1.4	2.5	0.6	1.5

Meteorological elements September 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	100.4	100.2	100.3	100.3	11.5	18.4	13.9	12.6	19.0	5.8	13.2	3.7	11.5	11.8	11.8	11.7	85	56	74	75	C 0	NNW 3	W 1	1.3
2	100.8	101.8	105.8	102.8	10.3	13.5	10.7	10.9	14.1	8.5	5.6	6.0	11.2	11.9	9.2	10.8	89	77	71	82	W 2	WNW 3	N 4	3.0
3	111.8	113.1	112.9	112.6	7.9	14.9	8.7	8.8	15.4	3.2	12.2	-0.3	9.4	6.6	8.2	8.1	88	39	73	72	NNW 2	N 3	C 0	1.7
4	110.6	109.1	109.5	109.7	8.4	13.9	12.9	9.6	15.5	1.6	13.9	-0.5	10.4	14.9	14.4	13.2	95	94	97	95	S 1	W 1	WSW 1	1.0
5	111.8	111.9	111.2	111.6	12.7	16.5	11.4	13.1	18.9	9.5	9.4	5.9	14.2	14.4	12.4	13.7	97	77	92	91	N 2	NE 2	C 0	1.3
6	113.0	113.2	112.8	113.0	9.0	18.9	12.0	11.2	20.0	3.7	16.3	2.4	11.5	12.4	12.3	12.1	100	57	88	86	C 0	S 1	C 0	0.3
7	113.1	111.5	109.5	111.4	10.1	19.3	12.7	12.0	21.0	4.3	16.7	2.4	11.6	12.0	12.4	12.0	94	54	85	82	S 1	S 2	C 0	1.0
8	106.4	103.7	101.8	104.0	10.9	20.5	13.5	12.7	21.5	4.9	16.6	2.0	11.5	9.3	12.5	11.1	88	39	81	74	E 1	SE 2	ENE 1	1.3
9	101.5	100.7	101.0	101.1	10.4	20.7	13.6	12.5	21.2	4.9	16.3	1.9	11.7	13.6	13.1	12.8	93	56	84	82	SE 1	SE 1	C 0	0.7
10	102.1	101.8	101.5	101.8	10.2	21.1	15.6	13.3	22.2	5.2	17.0	2.4	12.1	12.0	14.0	12.7	98	48	79	81	S 1	SSE 2	SE 1	1.3
11	99.7	100.3	101.9	100.6	13.1	15.9	14.1	14.2	17.5	11.9	5.6	9.8	12.6	16.2	15.4	14.7	84	90	96	88	E 1	SE 1	E 1	1.0
12	105.6	107.5	109 8	107.6	12.9	17.9	13.3	14.3	18.5	12.5	6.0	11.3	14.2	14.7	13.9	14.3	96	72	91	89	SE 1	E 2	NE 1	1.3
13	111.8	114.5	115.9	114.1	12.0	17.3	10.7	12.4	18.2	8.8	9.4	6.6	12.0	11.3	11.3	11.5	85	57	88	79	SE 1	E 2	C 0	1.0
14	119.2	118.7	118.1	118.7	7.9	19.9	11.5	10.8	20.5	3.2	17.3	1.7	10.5	12.6	11.7	11.6	99	54	86	84	NNE 1	NE 2	C 0	1.0
15	118.4	116.8	115.2	116.8	7.5	20.1	12.3	11.2	21.6	3.5	18.1	1.9	9.8	12.6	12.4	11.6	95	54	87	83	C 0	N 1	C 0	0.3
16	113.7	110.3	108.5	110.8	9.2	21.3	15.6	13.2	21.5	6.3	15.2	3.3	11.3	12.9	13.7	12.6	97	51	77	80	SSE 1	SSW 2	SSW 1	1.3
17	107.5	108.5	108.0	108.0	11.9	19.5	15.5	14.2	20.5	8.9	11.6	4.8	13.0	14.8	15.5	14.4	93	65	88	85	W 1	NW 2	C 0	1.0
18	112.1	112.1	111.1	111.8	8.3	19.8	13.9	12.3	20.7	6.3	14.4	3.6	10.8	13.9	13.7	12.8	99	60	86	86	C 0	SW 1	C 0	0.3
19	110.6	108.9	108.3	109.3	11.5	26.3	17.9	16.2	26.4	8.8	17.6	6.5	12.3	17.1	15.6	15.0	91	50	76	77	SE 2	SW 2	S 1	1.7
20	111.8	112.6	112.8	112.4	11.3	23.4	16.5	15.2	24.0	8.9	15.1	5.5	12.8	16.3	16.2	15.1	95	57	86	83	C 0	W 1	C 0	0.3
21	111.0	107.1	104.4	107.5	11.9	28.0	18.1	16.9	28.0	9.6	18.4	6.4	13.6	15.1	13.8	14.2	98	40	67	76	S 1	SSW 3	S 1	1.7
22	108.1	106.4	101.7	105.4	10.9	23.1	15.3	15.1	23.7	8.5	15.2	3.6	12.4	12.7	13.4	12.8	95	45	77	78	C 0	SSW 2	SSE 1	1.0
23	94.9	94.6	99.5	96.3	16.0	27.4	18.3	18.8	27.5	13.3	14.2	8.3	14.4	16.3	14.2	15.0	79	45	68	68	S 3	SSW 3	NW 3	3.0
24	110.2	114.0	115.9	113.4	11.9	16.5	9.3	12.6	18.4	11.0	7.4	5.9	13.6	9.8	9.8	11.1	98	52	84	83	W 1	SSW 2	W 1	1.3
25	120.8	120.5	120.4	120.6	4.6	15.6	7.3	7.0	15.6	0.6	15.0	-1.0	7.7	8.9	8.6	8.4	91	50	84	79	C 0	N 2	C 0	0.7
26	118.8	116.9	113.1	116.3	2.0	16.9	8.7	6.7	17.1	-0.9	18.0	-2.1	7.1	8.0	9.4	8.2	100	42	84	82	C 0	S 3	SE 1	1.3
27	105.9	103.8	104.2	104.6	7.3	19.0	12.6	10.6	19.2	3.3	15.9	-0.8	8.6	10.8	10.9	10.1	84	49	75	73	S 2	SSW 3	C 0	1.7
28	105.9	105.3	103.7	105.0	5.2	17.5	12.4	9.7	18.0	3.2	14.8	0.0	8.7	10.2	11.2	10.0	99	51	78	82	S 1	SW 1	C 0	0.7
29	99.7	98.2	98.3	98.7	10.1	21.8	16.7	14.1	22.0	7.5	14.5	3.8	11.9	13.6	15.5	13.7	96	52	82	82	SSE 1	SSE 3	C 0	1.3
30	99 8	103.1	104.8	102.6	12.3	12.6	11.1	12.7	16.9	10.6	6.3	8.8	14.0	13.3	12.3	13.2	98	91	93	95	W 1	W 2	W 1	1.3
M	108.6	108.2	108.1	108.3	10.2	19.2	13.2	12.5	20.2	6.6	13.6	3.8	11.5	12.7	12.6	12.3	93	57	83	82		1.0	2.0	0.7 1.2

Meteorological elements October 2003

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapoure pressure [hPa] 06h	12h	18h	M	Relative humidity [%] 06h	12h	18h	M	Wind direction & velocity [m/s] 06 h	12 h	18 h	M
1	107.6	107.6	105.3	106.8	11.2	13.1	12.0	11.4	14.4	7.9	6.5	4.9	12.8	14.4	13.5	13.6	96	96	97	96	C 0	SSE 1	SE 1	0.7
2	99.8	96.0	95.8	97.2	9.5	16.5	12.9	11.7	17.4	6.9	10.5	3.7	11.7	16.2	14.2	14.0	99	86	96	95	SE 1	S 2	W 2	1.7
3	99.7	100.3	98.0	99.3	9.9	13.7	7.7	9.8	14.4	7.0	7.4	3.5	11.4	12.4	9.9	11.2	94	79	95	90	WNW 2	WNW 3	C 0	1.7
4	91.3	88.6	89.3	89.7	10.7	19.5	13.5	12.7	20.5	6.0	14.5	3.1	11.9	17.1	15.1	14.7	93	75	98	90	S 2	S 2	S 1	1.7
5	93.4	91.5	86.4	90.4	10.9	13.3	11.9	11.6	13.5	10.0	3.5	9.7	12.4	13.6	13.4	13.1	95	89	97	94	C 0	C 0	N 3	1.0
6	89.4	92.8	94.8	92.3	8.3	10.1	6.9	8.5	12.3	6.6	5.7	3.5	10.5	10.4	9.1	10.0	96	84	92	92	NW 3	NW 3	NW 1	2.3
7	91.5	87.0	84.3	87.6	7.9	11.1	9.4	7.9	11.3	3.0	8.3	-0.4	9.0	9.5	11.1	9.9	84	72	94	84	SW 2	SW 5	SSW 3	3.3
8	86.5	88.4	89.0	88.0	5.1	8.5	7.2	6.3	9.4	3.5	5.9	0.5	8.8	10.4	9.9	9.7	100	94	97	98	S 1	C 0	C 0	0.3
9	86.7	89.6	93.3	90.0	7.6	8.9	6.6	7.4	9.3	6.3	3.0	3.9	10.2	9.5	9.6	9.8	97	84	99	94	C 0	WNW 2	C 0	0.7
10	98.1	97.0	95.0	96.7	5.6	8.8	11.9	8.6	11.9	5.0	6.9	3.0	8.4	10.7	13.4	10.8	93	95	97	94	NW 2	SSW 2	WNW 2	2.0
11	100.2	102.6	102.8	101.9	10.7	12.6	10.2	10.9	13.9	9.0	4.9	4.9	10.9	10.3	10.1	10.4	85	71	81	80	W 2	W 3	W 2	2.3
12	103.0	106.0	108.8	106.0	7.6	8.7	5.4	7.2	10.9	5.1	5.8	2.7	10.0	10.8	8.8	9.9	96	96	99	97	WNW 2	NW 2	NW 1	1.7
13	110.3	109.2	109.9	109.8	4.6	9.4	3.5	4.9	9.4	2.0	7.4	-1.5	8.5	9.8	7.8	8.7	100	83	100	96	WNW 1	WNW 3	WNW 1	1.7
14	111.4	113.6	114.5	113.2	6.0	9.0	6.3	6.2	9.3	3.2	6.1	3.0	8.4	8.4	9.0	8.6	90	73	94	87	NW 1	N 2	C 0	1.0
15	115.5	115.1	115.1	115.2	6.7	7.8	4.5	5.8	8.3	3.5	4.8	0.0	9.0	8.2	8.0	8.4	92	78	95	89	NW 2	NW 2	NNW 2	2.0
16	117.9	119.9	121.4	119.7	0.3	5.6	3.6	2.4	6.2	-0.4	6.6	-3.0	6.2	6.0	7.2	6.5	100	67	91	90	NE 1	E 2	C 0	1.0
17	123.6	122.6	120.2	122.1	-3.4	6.9	-0.2	-0.3	7.1	-4.8	11.9	-6.6	4.7	6.3	5.7	5.6	99	63	94	89	C 0	N 1	C 0	0.3
18	116.0	112.4	109.6	112.7	-2.0	7.9	0.8	0.8	7.9	-3.6	11.5	-5.9	4.9	6.5	6.4	5.9	92	61	98	86	C 0	SSE 1	C 0	0.3
19	104.5	101.6	99.4	101.8	-1.6	9.5	2.7	1.8	9.5	-3.4	12.9	-7.1	5.3	6.6	6.9	6.3	98	55	94	86	S 1	SSW 2	C 0	1.0
20	95.3	93.1	91.8	93.4	0.2	8.9	4.9	2.6	8.9	-3.5	12.4	-6.1	6.0	6.4	7.5	6.6	97	57	87	84	C 0	E 2	C 0	0.7
21	90.0	91.4	93.6	91.7	4.2	4.9	4.0	4.1	4.9	3.2	1.7	1.7	8.0	8.7	7.8	8.4	97	100	95	97	NE 2	N 2	NNE 2	2.0
22	100.4	103.2	104.6	102.7	1.4	1.8	0.6	1.5	4.0	0.1	3.9	0.1	6.8	6.6	6.3	6.6	100	95	98	98	NNW 2	NNW 2	N 2	2.0
23	102.4	102.1	102.5	102.3	-0.8	0.8	-3.0	-1.8	0.8	-4.0	4.8	-7.2	5.5	3.7	3.9	4.4	96	57	79	82	N 2	N 2	C 0	1.3
24	101.5	102.0	104.1	102.6	-9.0	1.2	-1.3	-4.5	2.2	-10.1	12.3	-10.7	3.0	4.6	5.1	4.2	97	69	91	88	C 0	NW 2	C 0	0.7
25	102.8	99.1	95.6	99.2	-4.9	3.1	3.2	-1.2	3.4	-6.3	9.7	-9.9	4.1	5.0	5.3	4.8	98	66	69	83	C 0	W 3	W 4	2.3
26	92.6	96.6	99.5	96.2	2.0	3.8	-0.6	1.0	4.1	-1.5	5.6	-4.5	7.1	7.0	5.5	6.5	100	88	94	96	W 3	N 1	NNW 1	1.7
27	105.1	106.2	107.8	106.4	-4.4	4.0	-2.2	-2.1	4.3	-6.2	10.5	-8.8	4.2	5.8	4.8	4.9	96	72	92	89	C 0	NW 3	C 0	1.0
28	110.0	109.3	108.2	109.2	0.0	5.8	0.1	0.6	5.9	-3.5	9.4	-6.7	5.7	4.9	5.3	5.3	93	54	86	82	WSW 1	W 3	S 1	1.7
29	103.2	97.9	93.4	98.2	-2.2	6.0	3.2	1.0	6.0	-3.0	9.0	-5.2	4.9	5.2	5.4	5.2	94	55	71	78	S 2	SSW 3	S 2	2.3
30	87.4	84.6	83.7	85.2	3.7	5.6	3.3	2.8	5.8	-1.5	7.3	-5.2	5.7	7.0	7.5	6.7	71	77	97	79	SE 2	SSE 2	SSE 2	2.0
31	96.1	88.5	89.0	91.2	4.1	7.5	3.2	4.3	7.7	2.2	5.5	-2.6	8.1	9.0	7.7	8.3	98	87	100	96	SW 1	C 0	S 1	0.7
M	101.1	100.5	100.2	100.6	3.5	8.2	4.9	4.6	8.8	1.2	7.6	-1.4	7.9	8.7	8.4	8.3	95	77	92	90	1.2	2.0	1.1	1.5

Meteorological elements November 2003

Day	Atmospheric pressure 900+.....[hPa]				Air temperature [°C]				Air temperature [°C]				Vapoure pressure [hPa]				Relative humidity [%]				Wind direction & velocity [m/s]			
	06h	12h	18h	M	06h	12h	18h	M	Max	Min	Amp	+5cm Min	06h	12h	18h	M	06h	12h	18h	M	06 h	12 h	18 h	M
1	86.9	86.4	88.0	87.1	4.4	14.1	12.0	8.0	14.5	1.1	13.4	-2.7	7.9	10.5	10.6	9.7	94	65	76	82	SE 1	S 2	SSE 2	1.7
2	92.6	93.7	96.2	94.2	8.8	8.8	8.5	9.4	12.4	8.1	4.3	5.5	10.7	11.0	10.8	10.8	95	97	97	96	N 1	WNW 1	NW 1	1.0
3	102.1	102.2	103.7	102.7	5.3	11.7	9.1	7.6	11.7	4.1	7.6	0.5	8.9	9.5	9.5	9.3	100	69	83	88	S 1	SW 2	S 1	1.3
4	108.9	110.7	114.1	111.2	5.8	12.4	8.8	8.0	12.8	4.8	8.0	0.0	9.1	8.4	10.5	9.3	99	59	92	87	SSW 1	WNW 3	WSW 2	2.0
5	121.1	122.8	124.9	122.9	7.3	9.0	7.5	8.0	9.9	7.1	2.8	6.5	9.7	9.8	9.1	9.5	95	85	88	91	W 1	NW 3	NW 1	1.7
6	125.2	125.9	127.9	126.3	5.4	9.3	6.4	5.7	10.0	1.1	8.9	-2.6	8.7	9.8	8.9	9.1	97	84	93	93	NNE 2	ENE 2	NNE 1	1.7
7	127.0	126.7	127.6	127.1	6.7	7.5	5.8	5.2	7.3	1.0	6.3	-4.6	8.5	8.7	8.4	8.5	86	84	91	87	NE 1	E 2	E 1	1.3
8	126.2	125.4	122.3	124.6	-0.2	2.2	2.2	1.6	5.7	-1.2	6.9	-3.7	6.0	7.0	7.2	6.7	100	98	100	100	NE 1	C 0	C 0	0.3
9	122.3	122.4	123.6	122.8	0.2	2.4	3.0	1.6	3.3	0.0	3.3	-0.4	6.2	7.0	7.3	6.8	100	97	97	98	E 1	SSE 2	C 0	1.0
10	124.9	124.8	124.9	124.9	3.6	6.7	0.2	2.5	6.7	-0.5	7.2	-3.9	6.9	6.8	5.9	6.5	88	69	95	85	ESE 1	SE 3	SE 1	1.7
11	124.7	124.0	123.0	123.9	-3.5	3.3	-0.8	-1.4	3.3	-4.6	7.9	-7.7	4.6	6.5	5.6	5.6	97	84	97	94	E 1	E 1	E 1	1.0
12	121.9	121.1	119.9	121.0	-1.8	-0.6	-1.1	-1.2	-0.2	-1.9	1.7	-2.6	5.3	5.7	5.6	5.5	98	98	100	98	SE 1	E 1	SE 2	1.3
13	118.5	118.4	118.5	118.5	0.4	1.8	1.8	0.7	1.9	-1.3	3.2	-1.9	6.3	6.5	6.1	6.3	100	93	88	95	ESE 1	ESE 1	S 1	1.0
14	123.0	116.6	115.0	118.2	-2.2	-0.8	-1.8	-1.4	1.7	-3.4	5.1	-4.7	5.2	5.8	5.4	5.5	100	100	100	100	S 1	SE 1	SSE 2	1.3
15	112.5	111.2	109.7	111.1	-2.0	-1.1	-1.6	-1.6	-0.9	-2.1	1.2	-2.6	5.3	5.6	5.4	5.4	100	100	100	100	S 1	SSE 2	SSE 2	1.7
16	108.3	107.9	107.6	107.9	-0.6	3.0	-0.6	0.1	3.4	-1.7	5.1	-4.6	5.7	7.0	5.7	6.1	98	92	98	96	SE 1	SSE 2	SSE 1	1.3
17	100.0	96.6	99.8	98.8	0.8	4.1	5.8	2.6	5.8	-2.0	7.8	-5.7	6.5	7.9	8.7	7.7	100	97	94	98	S 2	WSW 3	W 4	3.0
18	103.8	104.8	105.2	104.6	4.4	5.8	5.2	4.9	6.3	3.7	2.6	1.5	7.9	8.4	8.7	8.3	94	91	99	94	W 2	W 2	W 1	1.7
19	97.3	97.8	95.3	96.8	10.3	11.3	11.1	9.9	11.9	6.4	5.5	4.4	12.2	12.8	11.7	12.2	98	95	88	95	WNW 3	WNW 3	W 4	3.3
20	102.3	104.6	106.6	104.5	7.3	8.5	4.0	6.4	11.3	3.0	8.3	-1.5	8.1	7.8	7.6	7.8	79	70	94	80	NW 5	W 3	SW 1	3.0
21	103.0	102.1	102.8	102.6	2.0	9.2	8.3	5.1	9.2	1.0	8.2	-1.5	7.1	11.0	10.2	9.4	100	95	94	97	S 1	NW 2	SW 1	1.3
22	104.0	101.6	101.9	102.5	4.4	9.6	5.3	5.9	10.0	3.9	6.1	0.0	8.4	9.6	8.6	8.9	100	81	97	94	S 1	S 2	S 1	1.3
23	101.8	100.7	99.5	100.9	3.2	9.3	6.6	5.3	9.3	2.2	7.1	-1.0	7.7	9.7	9.3	8.9	100	83	96	95	S 1	S 2	S 1	1.3
24	98.9	98.3	98.7	98.6	2.6	10.7	5.5	5.3	10.9	2.1	8.8	-1.1	7.4	10.6	8.8	8.9	100	82	97	95	SSE 2	SSW 2	SSE 1	1.7
25	101.1	101.4	101.2	101.2	6.3	12.7	9.7	8.0	12.9	3.2	9.7	-0.9	9.3	10.9	10.1	10.1	97	74	84	88	SSE 1	SSE 2	SSE 2	1.7
26	101.8	101.5	99.3	100.9	7.1	11.5	10.5	9.0	11.7	6.6	5.1	2.4	9.8	10.9	11.3	10.7	97	81	89	91	S 1	SE 1	SE 1	1.0
27	95.0	95.0	94.6	94.9	9.1	11.7	8.6	9.5	11.9	8.4	3.5	5.5	10.4	11.7	9.5	10.5	90	85	85	88	SSE 3	SSE 3	SE 2	2.7
28	96.7	97.5	100.4	98.2	6.6	11.2	8.3	8.3	12.1	6.3	5.8	1.9	9.2	10.3	10.4	10.0	94	77	95	90	SE 2	SE 2	SE 2	2.0
29	103.5	104.8	105.6	104.6	6.4	6.7	4.3	5.7	8.3	3.7	4.6	1.0	8.4	8.6	8.0	8.3	88	88	97	90	SE 1	SE 2	ESE 1	1.3
30	107.1	107.6	108.4	107.7	6.4	6.0	6.3	5.6	8.0	1.6	6.4	-2.1	8.8	9.1	9.1	9.0	92	97	96	94	SE 2	SE 2	SE 1	1.7
M	108.7	108.5	108.9	108.7	3.8	7.3	5.3	4.8	8.1	2.0	6.1	-0.9	7.9	8.8	8.5	8.4	96	86	93	93		1.5	2.0	1.4	1.6

Meteorological elements December 2003

Day	Atmospheric pressure 900+.....[hPa]				Air temperature [°C]				Air temperature [°C]				Vapoure pressure [hPa]				Relative humidity [%]				Wind direction & velocity [m/s]							
	06h	12h	18h	M	06h	12h	18h	M	Max	Min	Amp	+5cm Min	06h	12h	18h	M	06h	12h	18h	M	06 h		12 h		18 h		M	
1	109.4	110.0	111.0	110.1	6.4	7.1	6.1	6.3	7.1	5.8	1.3	5.4	8.5	8.7	8.6	8.6	89	87	92	89	SE	3	SSE	2	SSE	2	2.3	
2	114.3	115.1	115.0	114.8	4.4	4.9	4.8	4.8	6.1	3.7	2.4	3.7	8.0	8.0	8.0	8.0	95	93	93	94	SSE	2	E	2	SE	1	1.7	
3	114.6	115.0	115.0	114.9	0.6	3.9	-0.8	0.8	4.8	-1.4	6.2	-3.6	6.3	7.0	5.5	6.3	98	86	96	94	SE	1	SSE	1	C	0	0.7	
4	114.7	113.7	113.4	113.9	0.6	2.0	1.7	0.9	3.3	-2.0	5.3	-3.6	6.4	7.1	6.9	6.8	100	100	100	100	C	0	NW	1	C	0	0.3	
5	108.7	107.0	103.8	106.5	1.7	3.2	3.6	2.4	4.0	0.3	3.7	0.3	6.9	7.7	7.7	7.4	100	100	97	99	NW	3	W	2	NW	2	2.3	
6	82.3	87.8	99.2	90.0	4.2	1.6	-1.0	2.1	6.9	-1.7	8.6	-3.6	8.0	4.6	4.9	5.8	97	67	86	87	N	3	W	5	N	2	3.3	
7	112.1	114.3	115.0	113.8	-0.9	1.2	-2.1	-1.3	1.5	-3.8	5.3	-7.7	5.5	5.4	4.3	5.1	95	81	82	88	NNW	3	NNW	3	W	2	2.7	
8	110.1	110.5	112.5	111.0	-1.1	0.2	0.5	-0.8	0.5	-3.1	3.6	-6.2	5.3	5.9	6.2	5.8	93	95	98	95	W	3	WNW	3	W	1	2.3	
9	115.1	115.2	116.0	115.4	0.7	2.0	1.0	1.0	2.0	0.1	1.9	0.0	6.4	6.7	6.5	6.5	100	95	98	98	SW	1	C	0	SW	1	0.7	
10	115.6	116.1	113.6	115.1	0.8	1.6	-0.9	0.0	2.0	-2.0	4.0	-5.1	6.0	6.0	5.7	5.9	93	88	100	94	S	2	S	1	S	1	1.3	
11	108.4	106.0	104.8	106.4	-1.2	4.4	0.0	0.2	4.4	-2.5	6.9	-5.1	5.3	5.3	5.7	5.4	94	63	93	86	S	3	SW	2	S	2	2.3	
12	100.0	104.7	110.5	105.1	0.0	2.2	1.5	0.3	2.5	-2.7	5.2	-6.8	5.9	6.8	6.7	6.5	96	95	98	96	SW	1	W	1	WNW	2	1.3	
13	112.0	104.0	93.1	103.0	0.7	2.6	4.5	2.4	4.5	-0.1	4.6	-1.2	5.6	6.1	7.8	6.5	88	82	93	88	SW	1	SSE	4	S	4	3.0	
14	82.4	78.2	78.2	79.6	6.8	7.3	5.7	6.0	7.6	3.9	3.7	3.4	9.5	9.7	8.9	9.4	96	95	97	96	S	3	WSW	2	WSW	3	2.7	
15	78.6	80.4	86.9	82.0	1.2	0.2	0.1	1.5	5.7	-1.0	6.7	0.0	6.1	5.9	4.7	5.6	91	95	77	88	WSW	3	WNW	3	W	3	3.0	
16	91.4	94.9	100.6	95.6	-1.0	0.8	0.6	-0.5	0.8	-2.5	3.3	-6.7	5.4	6.4	6.0	5.9	94	98	95	95	WNW	1	WNW	2	N	3	2.0	
17	109.7	109.3	107.7	108.9	-2.7	0.2	-0.2	-1.5	0.7	-3.8	4.5	-7.2	4.9	4.8	5.7	5.1	97	77	94	91	W	2	W	2	WSW	2	2.0	
18	107.5	109.6	109.6	108.9	3.1	4.8	4.7	3.0	5.0	-0.9	5.9	-0.9	7.5	8.6	8.2	8.1	98	100	96	98	WSW	2	NW	3	W	2	2.3	
19	108.4	108.0	107.2	107.9	-1.9	2.7	-0.8	-0.2	4.7	-3.0	7.7	-6.2	5.1	6.5	5.4	5.7	96	87	94	93	C	0	W	1	S	1	0.7	
20	106.3	105.9	106.0	106.1	-0.4	1.6	1.8	0.0	1.8	-3.0	4.8	-7.2	5.9	6.7	7.0	6.5	100	98	100	100	SSW	1	WSW	1	S	1	1.0	
21	93.9	86.7	84.2	88.3	1.8	5.5	5.2	3.4	5.6	1.1	4.5	0.0	6.6	6.5	7.8	7.0	95	72	88	88	S	2	S	3	SSW	3	2.7	
22	86.9	90.5	95.0	90.8	3.4	3.6	0.9	2.5	5.5	0.2	5.3	-2.2	5.3	5.1	5.3	5.2	68	65	81	70	W	4	SSW	3	W	2	3.0	
23	106.6	111.7	117.0	111.8	-2.2	-2.0	-6.3	-3.8	0.8	-7.5	8.3	-12.8	4.8	4.1	3.3	4.1	92	79	87	88	NW	2	NW	2	C	0	1.3	
24	123.3	124.2	124.1	123.9	-10.4	-3.0	-6.7	-7.9	-2.6	-12.0	9.4	-15.7	2.6	3.6	3.4	3.2	93	73	91	88	S	1	SW	2	C	0	1.0	
25	118.0	114.3	111.0	114.4	-9.8	-5.0	-3.4	-7.2	-3.3	-12.2	8.9	-16.7	2.4	3.2	3.6	3.1	82	75	76	79	S	2	SSW	3	SSW	2	2.3	
26	106.5	105.4	104.0	105.3	-0.5	1.4	0.9	-0.6	1.4	-4.3	5.7	-4.3	5.1	5.6	5.9	5.5	87	83	91	87	SW	1	SW	1	S	1	1.0	
27	98.5	95.9	95.7	96.5	-1.9	1.2	-0.9	-1.1	1.5	-3.0	4.5	-4.4	4.1	4.3	4.4	4.3	76	65	77	74	S	2	SSE	2	S	2	2.0	
28	96.8	94.2	93.0	94.7	-1.7	2.5	1.9	0.1	3.3	-3.0	6.3	-6.7	5.1	4.6	5.4	5.0	95	63	77	82	S	2	SSE	2	S	2	2.0	
29	96.2	100.5	102.8	99.8	2.8	4.6	2.4	2.8	4.9	1.1	3.8	-0.5	5.9	7.0	6.8	6.6	79	82	93	83	S	2	S	1	C	0	1.0	
30	105.3	104.7	104.4	104.8	2.0	3.0	1.7	2.0	3.0	1.1	1.9	0.0	7.1	7.6	6.9	7.2	100	100	100	100	C	0	NE	1	C	0	0.3	
31	105.7	106.6	107.7	106.7	0.9	0.8	0.6	1.1	2.8	0.1	2.7	0.0	6.5	6.5	6.3	6.4	100	100	98	100	NW	1	NW	1	N	2	1.3	
M	104.5	104.5	105.1	104.7	0.2	2.2	0.9	0.6	3.2	-1.9	5.1	-3.9	5.9	6.2	6.1	6.1	93	85	92	91		1.8		2.0		1.6	1.8	

January 2003

DAY	Cloudiness [0 - 8]				Type of clouds			Preci - pitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	0	0	3	1.0	.	.	Ac	0.4	3
2	8	8	8	8.0	As	Ns	St	5.8	3
3	8	8	8	8.0	As	As	St	2.9	3
4	8	8	6	7.3	Ns	Ns	Ac	2.7	5
5	8	1	8	5.7	As	Cu	St	0.0	7
6	8	8	8	8.0	St	As	As	0.2	7
7	8	8	8	8.0	As	As	As	0.0	8
8	8	7	0	5.0	As	Cs,Ci,Cc	.	.	8
9	3	0	0	1.0	Ci	.	.	.	8
10	8	8	8	8.0	St	St	Sc	0.0	7
11	0	0	0	0.0	.	.	.	0.0	7
12	8	8	8	8.0	Sc	Ns	Ns	4.8	7
13	8	8	8	8.0	Sc	Ns	Ns	2.7	14
14	8	8	8	8.0	Ns	Ns	Ns	4.4	14
15	8	8	8	8.0	Ns	Sc	Sc	0.1	.
16	8	6	8	7.3	St	Sc	Sc	0.0	.
17	8	8	0	5.3	Sc	Sc	.	0.0	.
18	0	2	8	3.3	.	Ci	Ac	0.5	.
19	8	7	8	7.7	St	Sc	Sc	.	.
20	0	0	8	2.7	.	.	Sc	0.0	.
21	0	1	2	1.0	.	Ci	Ci	.	.
22	8	8	7	7.7	Sc	Ac	Ac	0.0	.
23	8	8	8	8.0	As	As	As	1.2	.
24	8	8	8	8.0	As	As	As	0.1	.
25	8	8	8	8.0	As	As	As	0.0	.
26	8	8	8	8.0	As	Sc	Sc	0.0	.
27	8	8	8	8.0	Sc	Sc	Sc	3.5	.
28	8	8	9	8.0	Ns	Ns	Ns	3.4	.
29	8	7	7	7.3	Cb	Sc	Sc	1.3	.
30	8	8	6	7.3	Ns	Ns	As	7.2	1
31	7	5	0	4.0	Sc,Ac	Cu	.	.	8
M	6.5	6.1	6.2	6.2				41.2	

February 2003

DAY	Cloudiness [0 - 8]				Type of clouds			Preci - pitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	0	1	0	0.3	.	Cu	.	.	7
2	1	4	0	1.7	Ci	Cu	.	.	6
3	6	8	8	7.3	Ac	As	As	4.1	6
4	8	8	8	8.0	As,Ac	As,Cu	Sc	0.3	12
5	8	8	8	8.0	As	As	Sc	6.0	12
6	8	8	8	8.0	Ns	Ns	Ns	5.9	19
7	8	8	8	8.0	Ns	Ns	Ns	5.5	27
8	8	8	8	8.0	Ns	Ns	Ns	0.2	30
9	8	8	8	8.0	As	As	As	0.0	29
10	8	7	7	7.3	St	Ac,Cu	Ac,Cu	0.1	26
11	8	8	8	8.0	Sc	Sc	Sc	.	25
12	8	0	0	2.7	As	.	.	0.0	24
13	7	7	8	7.3	Sc	Ac	As	0.3	22
14	8	8	8	8.0	St	St	St	0.7	21
15	8	8	8	8.0	St	Sc	As	0.3	22
16	8	0	0	2.7	Sc	.	.	0.0	23
17	3	7	7	5.7	Ci,Ac	Cs,Ci,Cc	Sc	0.0	23
18	8	8	8	8.0	St	St	St	0.2	21
19	8	8	8	8.0	St	St	St	0.0	21
20	8	8	8	8.0	St	St	St	0.0	19
21	8	6	1	5.0	St	Sc	Ci	.	18
22	0	0	0	0.0	.	.	.	.	16
23	0	0	0	0.0	.	.	.	.	16
24	0	0	0	0.0	.	.	.	.	16
25	1	0	0	0.3	Ci	.	.	.	16
26	0	0	0	0.0	.	.	.	.	16
27	7	8	0	5.0	Cs	Ac	.	.	15
28	0	9	8	5.3	.	St	St	0.0	15
M	5.5	5.4	4.8	5.2				23.6	

March 2003

DAY	Cloudiness [0-8]				Type of clouds			Precipitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	8	8	8	8.0	St	St	As	0.1	15
2	8	8	8	8.0	St	Sc	Sc	0.0	15
3	8	4	8	6.7	Sc	Cu	Sc	0.0	15
4	8	8	8	8.0	St	As	Sc	0.5	15
5	8	8	7	7.7	As	Sc	Sc	3.5	16
6	8	7	0	5.0	As	Cu	.	.	23
7	0	1	0	0.3	.	Cu	.	.	20
8	0	0	6	2.0	.	.	Ci	.	17
9	7	8	8	7.7	Ac	St	St	0.3	17
10	8	8	8	8.0	≡²	St	≡²	0.2	14
11	8	8	8	8.0	≡²	Cs	As	5.8	10
12	8	7	7	7.3	Ns	Sc	Sc	0.8	5
13	6	8	8	7.3	Cu,Ac	As	Ns	3.8	.
14	8	8	7	7.7	Ns	Cb	Sc	0.1	4
15	4	7	8	6.3	Ci,Cc	Cu,Cs,Ci	Sc	.	.
16	8	8	1	5.7	≡¹	As	Ci	.	.
17	7	6	7	6.7	Cs,Ci	Ci	Sc,Ac	.	.
18	8	4	2	4.7	Sc	Cu,Ci	Ac	.	.
19	8	8	8	8.0	Sc	Ac	Sc	.	.
20	8	7	0	5.0	Ns	Cu,Ci	.	0.3	.
21	0	0	0	0.0	.	.	.	.	.
22	0	4	3	2.3	.	Ci,Cs	Cs	.	.
23	7	0	5	4.0	Sc,Ac	.	Ac	.	.
24	1	0	0	0.3	Cc	.	.	.	.
25	1	0	8	3.0	Ac	.	Sc	.	.
26	0	1	0	0.3	.	Cu	.	.	.
27	0	0	0	0.0	.	.	.	.	.
28	7	8	7	7.3	Cs	Cs	Sc	0.0	.
29	8	8	2	6.0	Sc	Sc	Ac	0.2	.
30	8	3	6	5.7	≡²	Cu	Ci	.	.
31	7	7	1	5.0	Sc	As,Cu	Cu	0.6	.
M	5.6	5.2	4.8	5.2				16.2	

April 2003

DAY	Cloudiness [0-8]				Type of clouds			Precipitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	7	3	0	3.3	Sc,Ac	Cu,Ci	.	0.0	.
2	7	8	8	7.7	Cs,Ci,Cc	Ac,As	Sc	0.0	.
3	6	8	0	4.7	Ci,Ac	Sc,As	.	0.0	.
4	8	6	8	7.3	Sc	Sc	Ac,As	2.0	.
5	8	7	6	7.0	Sc	Sc,Cb	Ac,Cs,Cu	2.3	.
6	8	8	8	8.0	Ns	Sc,Cb	Ns	2.6	3
7	8	8	8	8.0	St	As	Ns	6.9	2
8	8	8	8	8.0	Ns	As	As	7.5	8
9	8	8	8	8.0	Ns	Sc	As,Cu	2.9	16
10	8	8	8	8.0	As	As	Sc	12.8	11
11	8	8	8	8.0	Ns	Sc	Sc	4.3	3
12	1	3	3	2.3	Cu	Cu	Ac	.	.
13	0	4	7	3.7	.	Cu	Sc	.	.
14	3	2	6	3.7	Ci,Ac	Cu,Ci	Ci	.	.
15	4	3	1	2.7	Ac	Cu	Ci	.	.
16	0	1	0	0.3	.	Cu	.	.	.
17	0	4	2	2.0	.	Cu	Ac,Ci	.	.
18	4	5	6	5.0	Ci,Ac	Cu,Ci	Cu,Ac	0.3	.
19	8	8	8	8.0	Cs	Cs,Ci	Cs,Ci,Cc	.	.
20	1	0	0	0.3	Ci	.	.	.	.
21	0	0	0	0.0	.	.	.	.	.
22	1	7	7	5.0	Ci	Sc,Ac	Sc,Ac	0.0	.
23	8	7	8	7.7	St	Sc,Cu,Ac	Sc	4.6	.
24	7	4	1	4.0	Ac	Cu	Ac	0.0	.
25	1	0	0	0.3	Ci	.	.	.	.
26	1	6	8	5.0	Ci	Ci,Cs	As	0.0	.
27	8	8	8	8.0	As	As,Cu	Cu,As	1.8	.
28	2	5	5	4.0	Ac	Ac,Cu	Cu	0.0	.
29	6	6	7	6.3	Ac,Ci	Ac,Ci	Ac	0.2	.
30	6	7	8	7.0	Ci,Ac	Cs,Ci,Cu	As,Ac	0.6	.
M	4.8	5.3	5.1	5.1				48.8	

DAY	Cloudiness [0-8]				Type of clouds			Precipitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	8	5	1	4.7	Sc	Cu,Ci	Cu	0.0	.
2	4	3	7	4.7	Ac,Ci	Cu,Ci	Ac	.	.
3	7	8	7	7.3	Ac	As,Cu	Ci,Ac	0.7	.
4	1	0	6	2.3	Cu	.	Ci,As,Ac	.	.
5	4	1	6	3.7	Ci	Ci,Cc	Ci,Cc	.	.
6	0	0	2	0.7	.	.	Ci	.	.
7	3	6	7	5.3	Ci,Ac	Ac,As	Ci,Ac	.	.
8	1	0	0	0.3	Ci	.	.	.	.
9	8	7	7	7.3	Cs,Ac	Ac,Ci	Sc	0.2	.
10	8	1	4	4.3	As	Ac,Ci	Ci,Cu	0.1	.
11	8	8	8	8.0	As,Cu	As	Ac	6.1	.
12	8	8	4	6.7	Sc	Sc	Ci	.	.
13	3	7	7	5.7	Ci	Ci,Cs	Ci,Cc	23.2	.
14	8	8	8	8.0	Ns	As,Cu	Sc	0.3	.
15	8	7	8	7.7	Ac	Sc,Ac	As,Cu	7.1	.
16	7	7	1	5.0	As,Ac	Sc	Cu	0.4	.
17	0	4	6	3.3	.	Cu	Ci	.	.
18	8	6	4	6.0	Ac	Ci,Cu	Ci	.	.
19	7	8	7	7.3	Ci,Cc,Ac	As,Ac	Ci,Cu	1.1	.
20	8	4	8	6.7	Sc	Ci,Cu	As,Ac	11.4	.
21	8	8	8	8.0	Ns	Sc,Ac	Ac,As	0.1	.
22	8	8	8	8.0	Sc,Ac	As,Ac,Cu	Ac,Cu	.	.
23	1	5	7	4.3	Ci	Cu,Ci	Ci,Cc	.	.
24	0	4	3	2.3	.	Ci,Cs,Cu	Ci,Cs	.	.
25	0	3	6	3.0	.	Cu	Ci,Cs,Cc	.	.
26	3	1	0	1.3	Ci	Cu	.	.	.
27	2	5	2	3.0	Ci	Ci,Cs	Ci,Cc	.	.
28	4	1	1	2.0	Ac	Ci,Cu	Ci	.	.
29	0	4	7	3.7	.	Cu	Ci	.	.
30	1	2	2	1.7	Ci	Ci,Cc,Cu	Ci	.	.
31	0	1	5	2.0	.	Cu	Ci	0.0	.
M	4.4	4.5	5.1	4.7				50.7	

DAY	Cloudiness [0-8]				Type of clouds			Precipitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	2	5	7	4.7	Ci,Ac	Ac,Ci,Cu	Ci,Ac,Cu	.	.
2	0	1	7	2.7	.	Ci	Ci	.	.
3	0	0	3	1.0	.	.	Ci	.	.
4	2	0	1	1.0	Ci	.	Ci	.	.
5	0	1	7	2.7	.	Ci,Cu	Cs,Ci,Cc	1.0	.
6	8	5	6	6.3	Cb	Cu,Ci	Ci,Cu	0.6	.
7	6	6	5	5.7	Ci	Ci,Cu	Ci	.	.
8	0	0	0	0.0	.	.	.	.	.
9	2	7	6	5.0	Ci,Cc	Sc,Cu	Ci,Cu	.	.
10	0	3	7	3.3	.	Ci,Cu	Ci	.	.
11	7	8	6	7.0	Cc,Ac	Cs,Cu	Cu,Ci,Cc	0.2	.
12	0	3	0	1.0	.	Cu,Ci	.	2.0	.
13	8	6	3	5.7	As,Ac	Ac,Cu	Ci	.	.
14	0	5	7	4.0	.	Cu	Sc,Ac,Ci	.	.
15	2	7	7	5.3	Ac	Sc,Cu,Ac	Sc,Ac,Ci	4.0	.
16	8	7	8	7.7	Sc	Sc,Cb	Sc,Cb	9.9	.
17	7	7	2	5.3	Sc,Cu	Cu,Ac	Ci	.	.
18	1	7	8	5.3	Ci	Cu,Ci	Ac,As	.	.
19	1	6	8	5.0	Cu	Ci,Cu	As,Ac,Cb	0.2	.
20	8	4	8	6.7	As,Cu	Cu	Sc,Ac	6.1	.
21	7	7	6	6.7	Sc	Sc,Cu	Ci,Cu	6.6	.
22	8	8	4	6.7	Sc	Sc,Cb	Ac,Cu	5.5	.
23	2	3	8	4.3	Cu,Ci	Cu	Sc,Ac	2.0	.
24	3	4	5	4.0	Cu	Cu	Ac,Cu	.	.
25	7	8	8	7.7	Sc	Ns	Ns	2.2	.
26	8	8	7	7.7	Ns	Cb	Cb,Cu	10.2	.
27	2	6	7	5.0	Ci,Cc	Cu,Ci	Ac,Ci	4.0	.
28	4	4	0	2.7	Ci	Cu	.	0.0	.
29	1	4	8	4.3	Ci	Cu	Cs,Ci,Cc	2.9	.
30	8	1	1	3.3	Sc	Cu,Ac	Ci	.	.
M	3.7	4.7	5.3	4.6				57.4	

July 2003

DAY	Cloudiness [0-8]				Type of clouds			Precipitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	8	7	6	7.0	As	Ac,As.Ci	Ac	15.4	.
2	8	4	1	4.3	Ns	Cu,Ac	Ac	2.3	.
3	0	4	8	4.0	.	Cu,Ci	As,Ac	0.1	.
4	0	6	7	4.3	.	Cu,Ac	Ac,Cu,Ci	.	.
5	2	7	6	5.0	Cu,Ci	Sc,Cb	Cu,Ac,Ci	3.4	.
6	8	8	7	7.7	Sc	Sc,Cb	Sc,Ac	9.9	.
7	8	6	4	6.0	Sc	Cu,Ci	Cu,Ci,Cs	.	.
8	7	7	7	7.0	Sc	Sc	Cu,Ci	.	.
9	7	6	7	6.7	Sc	Cu,Ac	Ci,Ac	.	.
10	6	4	6	5.3	Ac,Cu	Cu.Ac	Ac,Ci,Cc	0.0	.
11	8	6	2	5.3	Sc	Sc,Ac	Ci	.	.
12	7	8	7	7.3	Ac,Ci	Cb,Cu	Sc,Ac	3.4	.
13	3	7	8	6.0	Ac	Sc,Cu	Sc,Ac	0.7	.
14	8	7	7	7.3	Sc,As	Sc,Ci	Sc,Ci	0.6	.
15	6	7	7	6.7	Ac	Ac,Cu	As,Ac,Ci	1.8	.
16	0	4	7	3.7	.	Cu	Ci,Cu	.	.
17	0	3	3	2.0	.	Cu	Ci,Cs	.	.
18	1	3	8	4.0	Ci	Cu	Cb	18.7	.
19	8	8	3	6.3	Ns	Sc	Cu,Ac	.	.
20	0	4	2	2.0	.	Cu	Ci,Cu	.	.
21	2	3	6	3.7	Ac,Cu	Cu	Ci,Cu	.	.
22	4	6	8	6.0	Ci	Ci,Cu	As,Ac	2.9	.
23	7	4	7	6.0	Sc	Cu,Ci	Cs,Ci,Ac	0.0	.
24	0	3	2	1.7	.	Cu,Ci	Ci,Cc	.	.
25	6	5	6	5.7	Ci	Cu,Ci	Ci,Cs,Ac	0.0	
26	7	3	7	5.7	Ac,Ci	Cu	Sc	0.0	.
27	1	6	5	4.0	Ac	Ac	Ci	.	.
28	1	2	8	3.7	Ci,Cc	Cu	Sc,Cs,Ac	.	.
29	8	4	8	6.7	As,Cu	Ci,Cu	Sc,Ac	6.4	.
30	3	5	7	5.0	Ac.Cu	Ci,Cu.Cc	Ac	9.3	.
31	8	8	7	7.7	As,Ac	Cb	Ac	6.6	.
M	4.6	5.3	5 9	5.3				81.5	

August 2003

DAY	Cloudiness [0-8]				Type of clouds			Precipitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	0	2	1	1.0	.	Cu	Cu	.	.
2	2	6	8	5.3	Ci,Ac	Cb,Ac,Cu	Sc	0.1	.
3	1	6	1	2.7	Ci,Cc,Cu	Cu,Ac	Cu	.	.
4	1	3	0	1.3	Ac	Cu	.	.	.
5	1	3	1	1.7	Cu	Cu	Cu	.	.
6	1	3	2	2.0	Cc	Cu,Ci	Cu	.	.
7	0	2	7	3.0	.	Cu,Ci	Ci	0.0	.
8	7	5	2	4.7	Ac,Cu	Cu,Ac	Ci,Cu	0.0	.
9	6	8	4	6.0	Ac,Ci	Sc,Ac	Ac	0.0	.
10	0	8	1	3.0	.	Sc,As	Cu	0.1	.
11	7	3	2	4.0	Ac	Cu	Cu,Ac	.	.
12	2	5	8	5.0	Ci,Ac	Ac,Ci,Cu	Sc,Ac	4.4	.
13	7	7	7	7.0	Ac	Ac	Ci,Ac,Cu	.	.
14	1	1	1	1.0	Ci	Ac	Ac	0.4	.
15	4	3	7	4.7	Ci	Cu	Sc,Ac	.	.
16	0	7	1	2.7	.	Sc,Ac	Cu,Ci	0.0	.
17	6	7	0	4.3	Sc,Ac	Cu,Ci	.	.	.
18	2	2	3	2.3	Ci	Ci,Cc	Ac,Ci	0.0	.
19	8	8	8	8.0	Cb,Sc	Sc	Ns	19.3	.
20	8	8	6	7.3	Sc	Sc	Ac,Sc	0.4	.
21	7	6	8	7.0	Sc	Ci,Cu	Cs,Ac	.	.
22	8	8	7	7.7	Ac,As	Cs,Cu	Cs,Ac	0.0	.
23	7	7	7	7.0	Ci,Cu,Ac	Cu,Ac	Ac,Sc	5.4	.
24	6	8	8	7.3	Ac,Cc,Cu	Sc	Sc.As	2.7	.
25	8	2	6	5.3	Ns	Cu	Cu	0.1	.
26	2	6	8	5.3	Ac	Cu,Cc,Ci	Sc	0.3	.
27	8	8	7	7.7	As,Cu	Cu,As	As,Cu	.	.
28	0	7	0	2.3	.	Ac,Cu	.	.	.
29	1	4	1	2.0	Cc	Ac	Ac	22.2	.
30	8	8	0	5.3	Ns	Sc	.	0.2	.
31	2	4	1	2.3	Ci	Cu,Ci	Ci	.	.
M	3.9	5.3	4.0	4.4				55.6	

DAY	Cloudiness [0-8]				Type of clouds			Preci-pitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	2	5	8	5.0	Ac,Ci	Cu	Sc	.	.
2	8	8	6	7.3	Sc	Sc	Sc,Ac	0.6	.
3	0	3	2	1.7	.	Cu	Ac	0.0	.
4	8	8	7	7.7	As	Ns	Sc,Cb	10.6	.
5	7	8	0	5.0	Sc	Cb	.	2.0	.
6	0	6	0	2.0	.	Cu	.	.	.
7	0	3	0	1.0	.	Cu	.	.	.
8	0	2	0	0.7	.	Cu	.	.	.
9	6	7	7	6.7	Ci	Cs,Ci,Cu	Ci	.	.
10	0	7	8	5.0	.	Cu,Ci	As,Ac	.	.
11	8	8	8	8.0	Ac,Cs	As	Ns	18.9	.
12	8	7	3	6.0	Ac,Sc	Ac,Sc	Ac	0.0	.
13	7	4	0	3.7	Ac	Cu	.	.	.
14	1	5	0	2.0	Ac,Ci,Cc	Cu	.	.	.
15	3	4	6	4.3	Ci	Cu,Ci	Ci	.	.
16	7	7	7	7.0	Ac	Ci,Cc	Sc	.	.
17	7	4	8	6.3	Sc	Cu,Ci	Sc	0.1	
18	1	5	2	2.7	Ci	Ci	Ci	.	.
19	0	0	0	0.0	.	.	.	.	.
20	0	1	7	2.7	.	Ci	Ci	.	.
21	0	0	0	0.0	.	.	.	.	.
22	0	0	0	0.0	.	.	.	.	.
23	0	1	8	3.0	.	Cu	Sc	4.8	.
24	7	3	0	3.3	Ci,Ac	Cu	.	.	.
25	0	4	0	1.3	.	Cu	.	.	.
26	5	0	0	1.7	Ci	.	.	.	.
27	1	7	4	4.0	Ci	Ac,Cu	Ac	.	.
28	1	1	5	2.3	Ci	Ci	Ac	.	.
29	1	6	8	5.0	Ci	Cs,Ci,Ac	Sc	21.7	.
30	8	8	0	5.3	Ns	Sc	.	2.6	.
M	3.2	4.4	3.5	3.7				61.3	

DAY	Cloudiness [0-8]				Type of clouds			Preci-pitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	8	8	7	7.7	St	Sc	Sc	0.7	.
2	8	8	8	8.0	St	As,Ac,Cu	Sc	3.1	.
3	8	6	1	5.0	Ns	Cu,Sc	Ac	0.0	.
4	5	4	8	5.7	Cu,Ci	Cu,Ci	Sc	13.9	.
5	7	8	8	7.7	Sc,Ac	Sc	Ns	24.0	.
6	8	7	3	6.0	Ns	Sc,Ac	Ac	0.0	.
7	7	8	7	7.3	Sc	Sc	Sc	4.4	.
8	6	8	7	7.0	Ac,Sc	Sc	Sc	1.1	.
9	8	8	5	7.0	As	Sc	Sc,Cu	0.3	.
10	6	8	8	7.3	Ac,Cu	As	Ns	5.7	.
11	7	7	6	6.7	Sc,Cu	Sc,Cu	Sc,Ac	1.6	.
12	8	6	2	5.3	Sc	Sc	Ci	3.3	.
13	7	4	7	6.0	Sc	Cu	Sc	1.7	.
14	8	8	6	7.3	Ns	Sc	Sc,Cu	0.3	.
15	8	7	1	5.3	Sc	Sc	Cu	0.8	.
16	0	7	5	4.0	.	Sc	Cu	.	.
17	1	6	0	2.3	Ac	Sc	.	.	.
18	1	4	0	1.7	Ci	Ci	.	.	.
19	0	1	7	2.7	.	Cu	Sc	.	.
20	8	7	8	7.7	Sc	Ac,Ci,Cu	Sc	0.0	.
21	8	8	8	8.0	St	St	Ns	3.9	.
22	8	8	8	8.0	Ns	Ns	St	0.1	.
23	7	7	0	4.7	Sc	Sc	.	0.0	.
24	1	4	7	4.0	Ci	Cu	Sc	.	.
25	0	7	8	5.0	.	Sc,Ac	As	1.4	.
26	8	7	0	5.0	Ns	Sc,Ac	.	1.6	.
27	5	4	1	3.3	Cu	Cu	Cu	0.0	.
28	7	0	0	2.3	Sc,Ac	.	.	.	.
29	0	6	8	4.7	.	Ci	Sc	.	.
30	8	8	8	8.0	As	As	Ns	6.6	.
31	8	3	0	3.7	As	Cu	.	0.1	.
M	5.8	6.2	4.9	5.6				74.6	

November 2003

DAY	Cloudiness [0-8]				Type of clouds			Precipitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	8	7	7	7.3	Sc	Ac,Ci	Sc	0.3	.
2	8	8	8	8.0	Sc,As	Ns	Ns	10.4	.
3	8	6	8	7.3	Ns	Ci	Sc	0.0	.
4	7	3	8	6.0	Sc,Cu,Ci	Cu,Ci	Sc	0.2	.
5	8	8	8	8.0	Sc	Sc	Sc	0.0	.
6	8	7	8	7.7	Sc	Sc	St	0.0	.
7	8	8	7	7.7	Sc	Sc	Sc,Ac	.	.
8	8	8	8	8.0	≡°	As	St	0.0	.
9	8	8	8	8.0	St	St	St	0.0	.
10	7	1	0	2.7	Ac,Sc	Cu	.	.	.
11	0	0	8	2.7	.	.	Sc	.	.
12	8	8	8	8.0	St	St	St	.	.
13	8	8	8	8.0	St	St	St	.	.
14	8	8	8	8.0	St	St	St	0.0	.
15	8	8	8	8.0	St	St	St	.	.
16	8	8	7	7.7	St	Sc	Cs	.	.
17	8	8	8	8.0	As	Ns	Ns	2.0	.
18	8	8	8	8.0	Sc,Cu,As	St	St	8.1	.
19	8	8	8	8.0	Ns	Ns	Ns	3.5	.
20	6	6	7	6.3	Sc	Cu,Ac	Sc	.	.
21	3	8	8	6.3	Ci	Sc	St	0.0	.
22	8	7	0	5.0	As	Cs,Ci,Cc	.	.	.
23	0	1	8	3.0	.	Ci	As	.	.
24	6	6	2	4.7	Ci	Cs,Ci,Cc	Ci	.	.
25	8	4	6	6.0	Sc	Ci,Cc	Cu	.	.
26	7	8	8	7.7	Ac	Cs	As,Ac	0.9	.
27	8	8	0	5.3	Cu,As	Ac,Ci,Cu	.	0.0	.
28	2	7	8	5.7	Ci	Ci,Cs,Ac	Sc	.	.
29	8	8	4	6.7	Sc	St	Ac	.	.
30	8	8	8	8.0	St	Ns	St	0.5	.
M	6.9	6.6	6.7	6.7				25.9	

December 2003

DAY	Cloudiness [0-8]				Type of clouds			Precipitation	Snow cover
	06:00	12:00	18:00	M	06:00	12:00	18:00	[mm]	[cm]
1	8	8	8	8.0	St	St	St	0.0	.
2	8	8	8	8.0	St	St	St	.	.
3	8	7	8	7.7	As,Cu	Ci,Cs	≡²	0.0	.
4	8	8	8	8.0	St	St	St	0.1	.
5	8	8	8	8.0	St	St	St	9.4	.
6	8	8	0	5.3	Ns	Sc	.	1.5	.
7	8	2	4	4.7	St	Ci,Ac	Ac	0.7	1
8	8	8	8	8.0	St	St	St	0.0	1
9	8	8	8	8.0	St	St	St	0.0	.
10	8	3	4	5.0	St	Ci,Cc	Ci	.	.
11	5	7	0	4.0	Ci,Ac	Ci,Ac	.	.	.
12	8	8	8	8.0	As	St	St	0.1	.
13	8	8	8	8.0	Ns	As,Cu	Ns	6.0	.
14	8	8	8	8.0	Ns	Ns	Ns	13.2	.
15	7	8	0	5.0	Sc	Ns	.	2.4	.
16	0	8	7	5.0	.	Ns	Sc,Ac	1.9	.
17	8	8	8	8.0	Sc	Ac	As	0.5	4
18	8	8	8	8.0	As	As	Sc	0.6	2
19	0	0	0	0.0	.	.	.	.	.
20	8	8	8	8.0	As	As	St	0.7	.
21	7	8	8	7.7	Ac	Ac	As,Ac	2.5	.
22	8	7	7	7.3	Sc	Sc	Sc	0.3	.
23	8	0	0	2.7	Sc	.	.	0.0	1
24	0	0	2	0.7	.	.	Ci,Cs	.	1
25	1	7	8	5.3	Ci	Ac,Ci,Cs	As,Ac	0.0	1
26	8	8	8	8.0	As	As	As	0.0	1
27	5	7	1	4.3	Ci	Ci,Cc	Ac	.	.
28	0	5	8	4.3	.	Ci,Cs	Cs	.	.
29	8	8	8	8.0	As,Ac	Ac,As	Ns	1.5	.
30	8	8	8	8.0	As	As	As	3.1	.
31	8	8	8	8.0	As	Ns	Ns	5.9	.
M	6.5	6.6	6.0	6.4				50.4	

Meteorological elements January 2003

Day

1

2 =10:50-11:35;" 02:54...06:15;• 06:28-07:50;A 07:50-08:18;• 08-1 08:18-11:01,• 11:08...11:31,• 12:02...12:47,• 14:07-14:10
• 15:21-15:27,• 16:40-17:27,• 19:26-21:38,• 21:46...22:42,• 23:31-23:48

3 ≅n-(11h),=(11h)-p;• 00:01-04:53,• 05:41-05:48,• 08:54-09:00,• 18:18-10:45,• 10:57-12:20;å 12:20-12:40
" 12:40-15:25;• 15:38...16:17

4 " 04:41-09:41;" 09:57-09:59," 10:04-10:06," 11:00-11:03," 15:40-15:43," 16:03...16:18," 18:08-18:10

5 ⌣1n-a;" 04:14...05:02," 09:09-09:11;Δ 16:58-16:58,Δ 18:35...18:56,Δ 23:29...23:38

6 " 01:43-01:45," 02:22-02:25," 02:58...03:06," 04:17-04:22," 04:52-04:56," 06:33...24:00

7 " 00:00...19:31," 20:08-20:11

8 • 08:17-09:10

9 =n-(08h),=14:10-24:00

10 =00:00-a-p;Δ 04:42-04:45,Δ 10:11-10:43,Δ 11:38...12:06;" 18:43-18:48," 19:18-19:22," 19:47-19:49," 20:35-20:38
" 21:08-21:10," 21:30-21:32," 21:41-21:44

11

12 " 08-1 08:53-18:44,b" 17:34-19:37," 20:13-24:00

13 " 00:00-01:16," 09:04-16:00," 16:07...18:00," 18:34-18:40," 19:18-19:20," 19:32-19:38," 19:59...21:54
" 22:33-22:43," 22:59-23:08," 23:28-23:39

14 " 00:56...02:02;" 07:44-10:13,å 10:36-11:04,å 11:36...11:48;• 12:06...15:21,• 21:16-21:27,• 21:32-24:00

15 • 00:00-04:20,• 04:27...05:54,• 07:27-07:46,• 08:00-08:03,• 08:44-08:47,• 09:12...11:02,• 16:38-16:38

16 • 05:03...07:20,• 07:53-08:40,• 09:25...09:59,• 15:58-16:00,• 18:24-18:34,• 17:29-17:45,• 18:14-18:29,• 18:52...19:02,• 19:28-19:32

17 • 07:43...09:27;⌣ 17:30-24:00

18 ⌣ 00:00-(11h),⌣ (17h)-23:00;" 22:59-23:35," 23:40...23:48

19 =n-07:10,≅1 07:10-09:20;" 01:53...04:20

20 ⌣ n-09:20;å" 15:58...16:34,å 17:01-17:34,å 18:28-18:38

21

22 • 09:48...11:18

23 • 01:06...01:22;" 08:06...08:28;• 11:13...12:39,• 14:12...15:55,• 16:30-23:01,• 23:05-24:00

24 ≅n-11:20,=11:20-a-p;• 00:00...01:30,• 02:01-04:03,• 04:07...05:45,• 08:54...10:39,• 15:06...15:14
• 22:16-22:19,• 22:30-22:33,• 23:24-23:26

25 ≅n-(11h);• 01:46...03:32,• 08:09-08:11,• 08:24...08:51,• 12:17-12:20,• 13:15-13:18,• 14:17-14:20,• 15:12-15:14

26 • 16:33-16:35,• 19:22...19:36,• 21:15-21:18,• 21:42-21:58,• 22:30-23:06

27 =(17h)-np;• 05:30-05:35,• 07:39-07:41,• 11:55...12:05,• 12:58-22:15,• 22:23-24:00

28 • 00:00...00:09,• 01:03-06:42,• 06:44...08:51,• 08:51-10:08,• 10:21-10:29,• 10:53...12:18,• 12:47-12:56,• 20:27...21:45

29 ⌣ 17:45-np;• 01:18...04:04,• 04:49...05:31;" 08:00...08:44," 09:33...09:52," 10:35...10:54," 11:45...13:46," 15:50-15:53
" 16:28...16:50," 19:07...19:54," 21:13-21:15," 23:05-23:11

30 " 01:37-11:50," 11:50-17:38," 18:28...22:11," 22:59...23:59

31 " 01:10...03:50

Meteorological elements February 2003

Day

1

2 ⌣ p-24:00

3 ⌣ 00:00-a; ⁄ 08:51-08:59, ⁄ 09:33-12:05, ⁄ 12:07...13:46, ⁄ 14:12-14:19, ⁄ 15:05-15:08, ⁄ 21:28...21:54

4 ⁄ 01:32-04:51, ⁄ 05:14-05:30, ⁄ 05:39-05:43, ⁄ 10:32...10:47, ⁄ 10:51-11:49, ⁄ 13:28-13:32, ⁄ 16:20-16:22

5 ⁄ 23:14...23:41, ⁄ 23:44-24:00

6 ⁄ 00:00-10:31, ⁄ 10:31-14:47, ⁄ 14:47-20:38, ⁄ 20:44-20:53, ⁄ 21:13-21:15, ⁄ 21:42-21:45, ⁄ 23:18...23:45

7 ⁄ 00:07-24:00

8 ⁄ 00:00-00:24, ⁄ 00:24...01:57, ⁄ 02:04-05:28, ⁄ 05:36-05:48, ⁄ 06:39-06:41, ⁄ 07:12...07:51, ⁄ 08:40...13:37
⁄ 14:07-14:09, ⁄ 15:06...15:44

9

10 ⁄ 03:42-04:52; 07:18-07:21, 07:48...08:01; ⁄ 13:58-14:38, ⁄ 15:17-15:41

11 ⁄ 02:06...04:03, ⁄ 23:55-23:58

12 ⁄ 02:04-02:06, ⁄ 03:17-03:20, ⁄ 04:05-04:07, ⁄ 05:08...09:41

13 ⌣ n-(10h); ⁄ 21:31...24:00

14 ⁄ 00:00-03:30; 04:17-04:20, 05:09-05:14, 05:38...05:54, 06:28...15:23, 15:47...16:33, 17:35-18:10
18:53-18:58, 19:10...19:45, 20:47...21:40, 22:19...23:55; ≡ 08:50-15:30

15 00:04...02:27, 02:31-(07h); ⁄ (07)-10:31, ⁄ 10:31...12:16, ⁄ 12:46...17:43, ⁄ 18:46-18:49, ⁄ 19:20-19:22
⁄ 19:36-20:39, ⁄ 21:00-21:03, ⁄ 23:30...23:35

16 ⁄ 00:05-00:07, ⁄ 00:37...02:47, ⁄ 05:29-05:31, ⁄ 06:38...08:08

17 ⌣ n-a

18 00:14-01:07, 01:17...01:50, 04:57-11:21, 11:31...12:51, 13:30-13:33, 14:35-14:39, 15:24-15:28
16:38...19:14; ≡ n-08:10

19 02:40...04:40, 23:45...24:00

20 00:00...00:14, 02:06-02:08, 02:45-02:49; 05:54-05:55, 06:21...06:39, 07:14...07:31

21 01:31...02:23

22 ≡ n; ⌣ n-a

23 ⌣ n-a, ⌣ p-24:00

24 ⌣ 00:00-a

25 ⌣ n-a; ≡ n-09:20

26 ⌣ n-08:40, ⌣ p-24:00

27 ⌣ 00:00-08:10; Φ a

28 ⌣ n-a; ≡ (08h)-10:50; ⁄ 08:30...08:42

Meteorological elements March 2003

Day

1 ♙ 02:36-02:39,♙ 06:32-06:34,♙ 07:05...07:13,♙ 07:16-10:33,♙ 10:41...12:21,♙ 13:18...13:49
2 ᵐ 07:01-07:03,ᵐ 12:33-12:35
3 ♙ 22:13-22:15,♙ 23:51-23:53
4 ≡n-(09ʰ);♙ 02:10-02:12,♙ 02:41-02:44,♙ 03:25-03:27,♙ 07:29...08:43,♙ 09:17...09:39,♙ 09:39-(11ʰ);ᵐ(11ʰ)...14:06
ᵐ 15:49-15:51,ᵐ 16:29-16:31,ᵐ 17:50...22:21
5 ᵐ 00:06...10:58;♙ 11:20...11:35;ᵐ 11:35-14:44,ᵐ 14:48...15:40,ᵐ 17:02...17:51;≡n-08:40
6 ⌣ p-24:00
7 ⌣ n-a
8 ⌣ n-a
9 ♀ 07:33...09:04,♀ 10:09...12:23,● 12:23-12:46,● 13:07...13:37,● 13:39-14:54;♀ 19:32-19:34
♀ 19:43-19:45,♀ 20:03...20:12,♀ 21:55...22:45,♀ 23:29...23:46
10 ≡n-> ≡(16ʰ),≡(16ʰ)-24:00;♀ 00:04-00:06,♀ 06:45-06:49,♀ 08:06...08:13,♀ 08:28-09:31,♀ 09:41-09:44,♀ 11:04-11:54
♀ 12:05-13:10,♀ 19:18...21:18

11 ≡n-06:20,≡06:20-07:30,≡07:30-09:40;☻ 09:20-12:10;♀ 04:24...04:30;● 17:40...18:10,● 18:10-24:00
12 ● 00:00-02:11,● 02:26-02:29,● 03:21-09:03,● 09:15-09:20,● 11:48-11:52,● 16:33-16:35,● 16:58-17:14
13 ♌ 07:25-09:05;ᵐ 10:08...10:41,ᵐ 11:00-13:31,ᵐ 13:31...21:38,ᵐ 21:59-22:02
14 ᵐ 06:13...08:42;♙ 12:15-12:17
15 ♌ a
16 ≡(01ʰ)-06:20,≡ 06:20-10:40;≡10:40-12:25;⌣ n-a,⌣ 17-24:00
17 ☻ 06:45-a;⌣ 00:00-a
18 ⌣ n
19
20 ᵐ 06:25-06:58;♙ 06:58-07:40;ᵐ 07:40-09:00

21
22 ⌣ n
23 ⌣ n-a
24 ⌣ n-06:20
25 ⌣ n-06:15;≡n-06:30;ᵐ 17:20...18:28
26 ⌣ n-06:05
27 ⌣ n-06:10
28 ♌ na-06:55;♍ 10:10-10:45;● 14:00-14:02,● 14:48...15:41,● 20:14...20:40
29 ≡ n-a;≡a-np;● 05:15-05:25,● 06:24-06:26,● 06:44-06:48,● 07:02-08:43,● 09:13-09:16,● 09:37-09:51,● 10:34...10:57
30 ⌣ n;≡n-06:25,≡06:25-07:50

31 ● 06:31...06:46;♐ 09:27...09:41;● 10:26-10:49,● 10:59-11:01;♙ 11:12-11:19;● 11:19-11:37;♙ 11:37-11:39;● 11:39-11:48
● 13:43-13:46,● 14:30...14:41

Meteorological elements April 2003

Day

 1 ≈ 08:50-a
 2 ● 06:00-08:15;● 09:46-10:25,● 12:41-14:44,● 13:38-13:54,● 15:51-18:42,● 17:15-18:06
 3 ⚌ n-05:30,=05:30-a;⊕ 08:30-(09h);● 11:59...12:48,● 23:44...24:00
 4 ● 00:00...00:54,● 01:19...02:07;⍙ 07:55-07:58,⍙ 09:11-09:13;● 21:47-24:00
 5 ● 00:00-04:01,● 04:09-04:11,● 07:51-07:54,● 10:58...11:14;⍙ 11:48-12:10;● 12:10-13:08,● 13:07...13:45;≈ 18:34...18:41
   ≈ 18:52-20:15,≈ 20:20-20:22,≈ 20:40-20:43,≈ 21:13...21:20
 6 ≈ 00:05-08:25,≈ 08:25...09:27,≈ 10:24-10:31,≈ 11:16...12:13,≈ 12:35-12:40;⍙ 12:49-13:01;≈ 13:17...15:54,≈ 16:53...17:42
   ≈ 18:07...19:15,≈ 19:30-23:59
 7 ≈ 00:01...00:18,≈ 00:45-00:49,≈ 01:21-01:50,≈ 02:40...03:15,≈ 03:59...05:31;⍙ 05:41...08:50;≈ 07:13...08:37,≈ 08:34-08:36
   ≈ 09:37...10:37,≈ 10:37-24:00
 8 ≈ 00:24:00
 9 ≈ 00:00-08:58,≈ 08:58...10:29,≈ 10:59-14:50,≈ 14:54...15:04,≈ 15:37-15:40,≈ 16:13...18:54
10 ≈ 02:46...03:11;● 11:47-15:53,● 17:07...17:29,● 18:31-24:00

11 ● 00:00-00:25,● 00:45...01:20,● 01:23-07:59,● 08:55...09:37,● 15:02-18:33,● 18:38...18:58;=(18h)-n
12 ⌴ n-04:30;=n-(07h);⏢ (17h)-np
13 ⌴ n-06:40
14 ⌴ n-05:30
15
16 ⌴ n
17
18 ⏢ n;● 08:07-09:34,● 09:39-09:41,● 09:49-09:51
19 ● 05:10-(13h)
20

21 ⏢ n-06:30
22 ⏢ n;● 12:51-12:54,● 13:59-14:18,● 14:32...14:52
23 ● 08:13-08:19,● 10:23...10:32,● 11:15-11:28,● 12:25-12:35,● 12:54-14:16,● 14:38-15:18,● 20:49-20:54;=16:20-n
24 ● 12:36-12:39,● 14:18-14:38
25 ⏢ n
26 ⏢ n-a;● 11:20-12:15;● 21:51-21:53,● 22:19...24:00
27 ● 00:00...03:00,● 04:10-04:12,● 05:37-06:08,● 08:12-10:18,● 10:22...11:23,● 17:24...17:38,● 22:43-22:47,● 23:37-23:42
28 ● 07:59-08:01;● 11:17-11:19,● 12:18-12:22
29 ● 15:07...16:33,● 17:25-17:33
30

Meteorological elements May 2003

Day

1 ●^{0}00:43-00:46,●^{0}00:57-00:59,●^{0}01:12-01:17,●^{0}03:11...06:24
2 ▲^{0}n-(07^{h})
3 ●^{0}12:52...14:07,●^{0}14:09-16:07,●^{0}16:11-16:16,●^{0}16:37-16:41,●^{0}16:50-16:55
4
5 ▲^{0}n-06:15
6
7
8
9 ●^{0}08:18-08:20,●^{0}08:31...09:34,●^{0}09:47-09:49,●^{0}09:53-10:06
10 ●^{0}06:33-06:35,●^{0}06:48-06:52,●^{0}07:09-08:23,●^{b}^{0}08:30...08:53

11 ●^{0}05:57-05:59,●^{0}06:14-06:17,●^{0}06:33-07:49,●^{0}07:53-07:57,●^{0}08:05-08:09,●^{0}08:32-08:35,●^{0}08:51-08:58
●^{0}09:31-11:39,●$^{0-1}$11:48-14:50,●^{0}14:54-14:56,●^{0}15:29-16:58,●^{0}19:39-20:13,●^{0}20:20...20:41,●^{0}21:42-22:11
12 =(19^{h})-np;●^{0}03:54...04:17
13 ▲^{1}n-08:10;=00:00-na;●^{0}08:45-08:48,●^{0}09:01-10:49,●^{0}10:54...11:32,●^{0}19:22...19:32,●^{0}20:07...20:28,●$^{1-2}$20:38-24:00
(R)^{0}S19:10-SW-WSW19:40,<^{0}WSW19:44-20:35;(R)^{0}E20:10-R^{0}21:28-21:40(R)^{0}NNW22:30
14 ●$^{1-2}$00:00-06:35,●^{b}^{0}10:38-10:42,●^{0}11:09...11:34,●^{b}^{0}12:13...12:57,●^{b}^{0}13:44-13:52,●^{b}^{0}14:12...14:31,●^{0}14:41-15:25,●^{0}15:28...17:16
15 ●^{0}10:19-11:32,●$^{b-1}$12:02-12:25,●^{1}14:30-16:06,●^{b}^{0}16:09...16:49,●^{0}17:47-17:49,●^{b}^{0}18:06-18:13,●^{0}18:40-18:42,●^{0}19:01-19:04
●^{0}19:23...21:47,●^{d}^{0}21:52...23:54
16 ●^{0}00:33-00:38,●^{0}01:12...05:50;●^{0}09:48-09:57,●^{0}12:15-12:17,●^{0}13:25-13:38,●^{2}22:57-23:09
17 ●^{0}01:02-01:06
18 ▲^{0}n-07:50;●^{0}13:58...14:38,●^{0}15:28-15:33
19 ▲^{1}n-(08^{h});●^{0}09:29-09:31,●^{b}^{0}09:37-12:11,●^{0}13:58-14:16
20 ●^{0}00:24-00:27,●^{0}01:12-01:15,●^{0}01:39...02:48,●^{0}18:56-20:28,●^{0}20:31...20:58,●^{0}23:01-23:07,●$^{1-2}$23:17-24:00

21 ●$^{1-2}$00:00-06:21,●^{0}06:29-07:04,●^{0}08:02-08:06
22
23 ▲^{1}^{0}n-06:30;≡^{0}n
24 ▲^{0}n-a
25
26 ▲^{0}n-06:15
27 ▲^{0}n-06:10;●^{0}10:50-(12:30)
28
29
30

31 ▲^{0}n-05:30

Meteorological elements June 2003

Day

1 ●^{0}03:33...04:44

2

3 ▲^{0}n

4

5

6 (R)^{0}WNW05:25-NW-N06:08,(R)^{0}SW06:10-S-SE07:15;●^{1}08:39-08:11,●^{1}08:25-08:42

7

8

9

10

11 ●^{0}10:16...11:43

12

13 ●^{0}03:38-03:43,●^{0}03:48-05:09,●^{0}05:20...06:27

14

15

16 ●^{0}00:40...01:29,●^{0}01:36-05:16,●^{0}06:00...07:38,●^{0}12:00-12:15,●^{0}14:04-14:19,●$^{0-1}$17:46-18:07,●^{0}19:21...19:32

17

18 ●^{0}a-p

19 ●^{0}17:49...19:59,●^{0}23:37...24:00

20 ●^{0}00:00...01:07,●^{0}03:57-04:03,●^{0}05:38-06:06,●$^{0-1}$08:12-08:18,●^{0}13:09-13:12,●^{0}14:38...15:27,●^{0}17:39-17:59
●^{0}18:47...19:03,●^{0}20:01-20:12,●^{0}20:38-21:02

21 ●^{0}03:21...03:42,●^{0}07:30-07:33,●^{0}07:52-07:59,●^{0}08:10-08:13,●^{0}12:14-12:18,●^{0}13:30-13:55,●^{0}14:43-15:07,●^{0}16:05-16:08
●^{0}21:21...23:10,●^{0}23:30-23:50,●^{0}23:57-23:58

22 ●^{0}01:17-01:29,●^{0}02:57...04:04,●^{0}08:30...09:22,●^{0}10:04-10:08,●^{0}10:52-10:57,●^{0}11:18-11:22,●^{0}11:58-12:09,●^{0}13:16-13:28
●^{0}13:50-14:05,●$^{1-2}$14:56-15:16

23 ●^{0}20:12...20:21,●^{0}20:46...21:25,●^{1}22:38-22:43,●$^{0-1}$23:03...23:37,●$^{0-1}$23:51...24:00

24 ●$^{0-1}$00:00...01:25,●$^{0-1}$02:07...02:40,●^{0}03:01-03:10

25 ●^{0}07:57-08:00,●^{0}10:09-10:14,●^{0}10:26-10:29,●^{0}10:47-10:49,●$^{0-1}$11:08...14:39,●$^{0-1}$15:35-16:05,●$^{0-1}$18:32...18:23

26 ●$^{0-1}$11:29...13:04,●^{0}14:11-14:35,●$^{1-2}$16:26-17:28,●^{1}17:37-17:50,●^{0}18:21...18:34

27 ●^{1}12:08-12:53,●^{1}12:54-13:17,●^{0}13:19-13:21,●^{0}20:11...20:17;(R)^{0}N12:27-NNE12:35

28 ●^{0}01:03-01:40,●^{0}01:59-02:01,●^{0}14:50-14:53;(R)^{0}NNE14:59-NE-E15:08;●^{0}15:07-15:28

29 ▲^{0}n-06:35

30 ●$^{1-2}$02:00-03:48,●^{0}03:51...04:21

Meteorological elements July 2003

Day

1 ≡ n-08:25;(R) NE22:23-ENE22:51;● 15:01...15:26,● 20:11-20:15,● 21:48...21:58,● 22:01-24:00
2 ● 00:00-05:41,● 05:41...07:01,● 14:18-14:28,● 15:48-15:49,● 16:38-15:51
3 ● 15:54...18:30,● 23:25-24:00
4 ▲ n-06:35;● 00:00-00:03
5 (R) SSE09:03-E-NE09:12;● 09:04-09:20,● 09:45-10:06,● 11:00-11:23,● 11:57-12:31,● 13:11-13:48,● 17:07-17:40;⌒ 17:30-18:30
6 ● 02:41...03:38,● 06:53-07:02,● 07:47-07:54,● 09:24-09:40,● 10:07-10:20,● 10:48...12:38,● 13:03-13:22,● 13:34-13:48
● 14:45-14:50,● 15:39...16:27,● 17:41...17:47,● 17:52-18:06,● 18:21-18:29,● 19:04-18:29,● 20:15-21:03,● 22:27...23:48
7 ● 05:04-05:10
8
9
10 ● 14:03-14:06,● 14:30-14:41;(R) N14:35-NE14:55

11 ● 23:24-23:26
12 ● 11:48-12:09,● 12:26-13:00,● 22:35-22:38,● 22:47-22:50;(R) N12:03-NE12:15
13 ● 09:05-09:08,● 11:33...12:20,● 14:49-14:52,● 17:27-17:31,● 17:48-17:59;⌒ (17h)-(17:50)
14 ● 12:57-13:21,● 13:39-13:46,● 14:18-14:21,● 14:33-14:54,● 15:25-15:28,● 16:05-16:24,● 18:10-18:13
15 ● 03:54-03:57,● 10:33-11:25,● 11:32-11:47,● 17:28...18:18
16 ▲ n-a
17 ▲ n-06:25
18 ▲ n;(R) N15:15-R 17:17-18:10-(R) S20:40;● 17:16-19:41,● 19:42...19:49
19
20 ▲ n-08:30

21 ▲ n-06:30
22 (R) WSW13:45-SW-S14:43,(R) SW15:05-15:09;● 14:19...16:58,● 17:55-18:12,● 18:38...19:04;≡17:15-24:00
23 ≡00:00-06:40;● 16:52-16:55
24 ▲ n-06:20
25 ▲ n-05:50;(R) SSW19:43-W-NW21:46;‹ NW21:46-n;● 19:58-20:16,● 20:33...20:58
26 (R) W14:40-N-NNE15:47;● 15:02-15:06
27
28
29 ● 06:29-06:41,● 07:15-07:32,● 15:32-15:37,● 16:07-18:02,● 18:05...18:23,● 18:44...19:19,● 20:13-20:18
● 21:27-23:07;(R) S14:50-R 16:47-17:15-(R) N17:46
30 (R) S14:48-R 15:02-15:23-(R) N15:43;● 15:01-15:22,● 17:47-17:50,● 22:55...23:10,● 23:59-24:00

31 ● 00:00-00:03,● 06:21-06:28,● 10:07-10:09;● 12:02-13:02,● 13:07...13:56,● 17:14...17:58
(R) NE11:30-R 12:05-12:14-(R) W13:20,(R) NE18:40-E-ESE17:20

Meteorological elements August 2003

Day

1

2 (R) W11:47-W11:55; 17:03-17:05, 18:27-18:29, 20:44...21:03, 21:16-21:23, 21:38-21:45, 22:46-23:01

3

4

5 n-08:10

6

7 -08:20; 23:34-23:36

8 01:12-01:15

9 04:14-04:45, 09:19...09:27, 12:34-12:58, 16:03-16:05

10 n-08:15; 13:02-13:04, 13:10-13:55

11 n-a

12 n; (R) ENE18:35-E-SE19:10; 18:41-18:58, 21:25...22:45

13

14 n-08:20; 19:19...20:02; (R) WSW19:25-S-SSE20:15

15

16 12:24-12:26

17 n

18 n-a

19 00:31-00:33, 00:44-00:49, 06:13-06:21, 06:21-09:20, 13:27-13:28, 14:08-18:35, 20:01-20:09
21:18-21:23, 22:01-22:03, 23:01-23:19; (R) WSW05:54-NW-N07:11, (R) S07:20-SE-E-NE08:54

20 10:50-11:08, 11:43-11:47

21 n-a, 18:45-24:00

22 00:00-a, 18:00-18:39; 18:39-18:42

23 15:33-15:35, 18:10-19:15

24 09:04-09:07, 09:30-09:34, 09:58-10:02, 10:48...11:01, 11:38-11:41, 12:12-12:15, 12:27-12:36
16:14-16:24, 17:07-18:17

25 04:08...05:53, 06:03-06:29

26 n-a; 15:23-15:27, 18:42-18:52, 19:01-19:30, 21:38-21:41, 23:12-23:31, 23:52-23:57

27 11:57-12:00, 16:23...16:33

28 n-06:10

29 n-(07); (R) SE20:45-E-NE22:10, (R) E23:27 one thunder; 09:45-09:48, 20:33-22:13, 22:21-23:28, 23:30...23:27

30 01:47...02:08, 02:24-06:05, 07:21-07:31, 09:04...09:20, 13:53-14:00, 14:33-14:39, 15:51-15:57

31 10:00-(11 h)

Meteorological elements September 2003

Day

1 ▲1n-a,▲0 17:50-24:00
2 ▲0 00:00-a,●0 07:04...07:19,●0 08:43-08:53,●0 09:16-09:39,●0 09:39...10:28,●0 10:35-11:05,●0 12:57-12:59
● 0 13:04-13:21,●0 15:22-15:28,●0 16:29-16:33
3
4 ●0 05:01-08:03,●1 08:24-10:57,●0 11:00...11:34,●1 11:50-12:29,●1 13:28-14:53,●0 14:54...15:09,●1 15:45-16:17
●0 16:45-17:38;(R) NNW16:10-N-NW16:45,(R) NW17:21 one thunder
5 ●1 11:54...12:38,●1 14:55-15:06;≈18:06-np
6 ▲1 n-a
7 ▲1 n-a
8 ▲1 n-08:05
9 ▲1 n-a,▲0 p-np
10 ▲1 n-a,▲ p-np

11 ●0 10:21-10:23,●0-1 10:35-24:00
12 ▲0 (17h)-24:00;●0 00:00-02:59,●0 02:59...04:36
13 ▲1 00:00-a
14 ▲1 n-08:30,▲0 1p-24:00
15 ▲1 00:00-a,▲ p-24:00
16 ▲0-2 00:00-a
17 ▲2 n-a;●0 16:51...18:09
18 ≡0 n-05:45;≈0 05:45-06:15;▲1 p-np
19 ▲1-2 00:00-a,▲0 (18h)-24:00
20 ▲0-2 00:00-a,▲0 (17h)-24:00;≈18:40-24:00

21 ▲0 00:00-a;≈00:00-05:30
22 ≈na;▲1 n-a,▲0 p-24:00
23 ▲0 00:00-a;●0 20:13-20:16,●0 20:23-21:49,●0-1 21:49-24:00
24 ●0-1 00:00-03:53,●0 04:44...04:53
25 ▲2 n-a,▲0 18:25-np
26 ⌣0 n;≡0 n
27 ▲1 n-a;●0 14:32...14:51
28 ▲1 n-a;≈n-a
29 ≈na;▲0 n-a;●0 16:48-16:49,●0 18:57-19:19,●0 19:24-19:28,●0 20:28...20:52,●0-2 20:52-24:00
30 ●0-1 00:00-09:27

Meteorological elements October 2003

Day

1 ≡na-08:10;ϑ 02:12-02:14,ϑ 02:29-02:32,ϑ 05:37-05:41,● 09:13-09:27,● 11:05...12:08
2 ● 11:26...12:35,● 13:55-15:48,● 21:31-21:41,● 21:56-22:10
3 ▲p-24:00
4 ▲00:00-02:05;● 02:05-02:09,● 03:06-03:09,● 04:45...05:02,● 14:23-15:06,● 20:18-21:59,● 23:18-23:22,● 23:37-23:41
5 ● 00:32-00:41,● 13:04-19:40,● 19:45-20:09,● 20:16-21:31,● 22:48-24:00
6 ● 00:00-01:03,● 02:28...02:49,● 02:52-03:43,● 03:58-06:23,● 06:35...07:32,● 09:21...09:53,● 12:52-13:04
7 ● 01:37-01:44,● 02:00-02:03,● 11:42-12:40,● 12:54-13:09,● 13:41-13:46,● 14:55...18:33,● 17:10-17:13,● 18:28...18:48
● 19:19-19:29,● 19:38-20:14,● 23:36-24:00
8 ≡na,≡p;● 00:00-01:13,● 01:17...01:30,● 08:33-09:57,● 11:31...12:52,● 13:45-14:13,● 14:24-14:32,● 23:43-23:47
9 ● 00:47-00:50,● 04:04-04:07,● 04:36-04:40,● 08:20-08:38,● 09:33-09:39,● 10:29-10:34,● 12:02-12:07,● 14:04-14:11
● 15:37-15:39,● 16:14-16:16,● 20:19...21:09,● 21:48-21:54
10 ● 10:14-10:19,● 10:36-12:34,● 12:45-12:49,● 12:54-19:25,● 19:45-19:52,● 20:30...21:09,● 23:35-23:37

11 ● 05:33-05:58,● 06:31...06:39,● 17:37...17:54,● 20:24...20:40
12 ● 02:20...06:01,● 06:03-08:12,● 10:40...13:27;≡18:05-(20h)
13 ● 10:42-10:46,● 13:10...14:02,● 20:14...20:31,● 21:26...22:24;(R)13:47 one thunder,▲13:30-13:32
14 ● 08:59-09:15,● 14:31-14:39,● 15:08...15:42,● 21:37-21:44,● 22:08-22:13
15 ● 00:38-00:42,● 01:06-01:10,● 05:47...11:40,● 15:34-16:00;▲15:44-15:45
16 ⌣n
17 ⌣n-a,≡-np
18 ⌣n-a,≡n-a,⌣p-np;≡p-np
19 ⌣n-07:10,▲p-np
20 ⌣n-06:50;≡n-07:30,≡07:30-09:05

21 ϑ 02:31-02:34,ϑ 03:15...03:50;● 07:32...10:55,ϑ 11:28...11:35,ϑ 12:41...13:19;● 13:19-13:57
● 14:35-14:38,● 14:49-15:02,● 15:26-19:45,● 20:24...21:58,● 21:59-24:00
22 ● 00:00...04:21,● 06:37...06:54,● 14:00...15:08;△16:53...17:06,△18:26-18:29,△19:06-19:09,△23:45-23:48
23 ❧00:07:00:09,❧00:43...03:58,❧05:49...06:11;⌣p-24:00
24 ⌣00:00-08:15,⌣(18h)-24:00
25 ⌣00-a,● 17:31...20:31,● 20:31-24:00
26 ● 00:00-03:13,● 03:20-09:12,● 10:09...10:52,● 12:04-12:09,● 14:01-14:34,≡(17h)-24:00
27 ≡00:00-06:30,⌣n-09:40,⌣p-np,● 13:30-13:33
28 ⌣n-06:20
29 ⌣n-07:10
30 ● 08:36...10:34,● 11:10...12:10,● 12:36...16:31,● 16:33-20:19

31 ≡n-07:00,≡17:50-np

Meteorological elements November 2003

Day

1

2 ≡na;≡^{0}(11^{h})-14:50,≡14:50-15:40;●^{0}02:12...02:34,●^{0}03:23...04:16,●^{0}05:24-05:27,●^{0}06:00...08:08
●$^{0-1}$08:18-18:13,●^{0}19:23-19:26

3 ≡n-a;●^{0}08:27-08:30,●^{0}18:00...18:34

4 ●^{0}14:06-14:15,●^{0}15:24-15:26,●^{0}15:59-16:03,●^{1}16:09-16:28,●^{0}18:23-18:37,●^{0}23:32-23:35

5 ●^{0}00:17-00:20,●^{0}09:35-09:40

6 ●^{0}11:13-11:15,●^{0}11:27-11:30

7

8 ␣^{0}n;≡^{0}n-(09^{h}),≡(09^{h})-18:00;♀^{0}(16^{h})-np

9 ♀^{0}03:17-03:24,♀^{0}03:36-03:39,♀^{0}05:25-05:28,♀^{0}06:10-06:13,♀^{0}06:46-06:48,♀^{0}08:10-08:12,♀^{0}08:32-08:38
♀^{0}10:01...10:28,♀$^{0-1}$16:24-16:29,♀$^{0-1}$17:07-17:28,♀^{0}19:07...19:23,♀^{0}20:25...21:37

10 ␣p-np

11 ␣$^{1}_{0}$n-a

12 ␣n;≡na-09:30,≡(19^{h})-(22^{h})

13

14 ≡^{0}n-08:50,≡08:50-a-p,♀^{0}07:27-07:25,♀^{0}08:39-09:41,♀^{0}13:45...14:08

15 ≡^{0}n-09:00

16 ≡^{0}n-08:20,≡^{0}08:20-12:15,≡$^{0-1}$14:40-24:00;␣^{0}p-24:00,●^{0}04:53-04:55,●^{0}05:09-05:28

17 ␣^{0}00:00-a,≡^{0}00:00-11:40,●^{0}09:51-11:16,●^{0}11:56-12:09,●^{0}12:18-16:47,●^{0}16:55-17:10,●^{0}17:37...19:12

18 ●^{0}00:07-00:11,●^{0}00:39-00:42,●^{0}07:16-07:20,●07:31-07:34;♀$^{0-1}$12:28-14:43,♀^{0}14:52-14:58,♀^{1}15:31-15:44
♀^{0}17:45-17:47,♀^{1}17:52-(21^{h});●^{0}(21^{h})-24:00

19 ●$^{0-1}$00:00-07:36,●^{0}08:38...09:10,●^{0}10:22-10:27,●^{0}10:54-12:13,●^{0}13:03...14:04,●^{0}15:09-15:16,●^{0}16:22...23:42

20 ●$^{0-1}$00:32...01:58

21 ␣^{0}n;≡05:50-09:30;♀^{0}16:01...16:13,♀^{0}17:10-17:13

22 ≡^{0}n-08:30,≡(17^{h})-n

23 ≡^{0}n-a;≡^{1}a-p

24 ≡n-a,≡^{1}p-np

25 ≡^{0}n-(09^{h})

26 ●14:42-14:44,●^{0}14:52-14:57,●^{0}16:04...18:15

27 ▲$^{1}_{0}$p-24:00,●^{0}01:43...02:33,●^{0}02:41-04:17,● 04:22...06:33,●^{0}07:24-07:44,●^{0}08:08-08:15

28 ▲00:00-08:55,▲^{1}(18^{h})-np

29

30 ▲^{1}n-a,●^{0}10:50-(12:30);♀^{1}(12:30)-13:20,♀^{1}16:35-16:56,♀^{0}17:46...18:02

Meteorological elements December 2003

Day

1 ☽ 12:21-13:36, ☽ 16:50-16:54

2

3 ≡ 16:50-18:45, ≡ 18:45-20:00, ≡ 20:00-np

4 ≡ 00-(10h), =(10h)-a; ☽ 04:36-04:39, ☽ 08:46...09:40, ☽ 10:08-10:11, ☽ 10:23-10:28, ☽ 13:10-13:17
☽ 15:01...15:28, ☽ 19:37-24:00

5 ☽ 00:00...07:13, ☽ 08:08...09:51, ☽ 11:46...12:20, ☽ 14:43-17:10, ☽ 17:22-17:25, ☽ 18:42-18:46; ● 18:40-24:00

6 ● 00:00-01:34, ● 01:37...03:13, ● 03:25-06:46, ● 06:50-06:58; △ 09:14-09:32; ⁎ 12:18-14:09, ⁎ 14:33-14:39, ⁎ 15:01-15:06

7 △ 05:39...09:03

8 ☽ 02:20-02:23, ☽ 02:40-02:48, ☽ 06:55-06:58, ☽ 07:14...10:50, ☽ 11:40-15:50, ☽ 23:53-23:56

9 ☽ 11:21-11:24, ☽ 12:52...14:12, ☽ 15:08-15:10, ☽ 15:49-15:53

10 ⌣ (18h)-24:00

11 ⌣ 00:00-11:00, ⌣ (18h)-24:00

12 ⌣ 00:00-a; ≡ (17h)-np; ● 07:11...07:54; ☽ 08:34...08:50, ☽ 09:43...12:16, ☽ 13:11...13:31, ☽ 15:45-15:48, ☽ 16:51...18:15

13 ● 14:07...16:46, ● 17:03-23:01, ● 23:13-24:00

14 ● 00:00...01:01, ● 02:07-03:01, ● 03:12-03:20, ● 04:00...04:12, ● 04:14-10:54, ● 11:00-11:02, ● 11:22-11:33, ● 12:23-15:33
● 15:48-16:57, ● 17:13-19:41, ● 20:36-20:40, ● 21:01...21:07, ● 22:07-22:10

15 ● 02:46-04:31; ⁎ 04:45...05:30, ⁎ 06:31...08:23, ⁎ 08:40...12:17

16 △ 03:59-04:01; ⁎ 07:27-12:58, ⁎ 13:02...17:54

17 ⁎ 17:02-17:17, ⁎ 18:47-18:50; ● 19:35...20:22, ● 20:27-24:00

18 =n-a-p; ● 00:00-01:23, ● 01:26...02:02, ● 02:36-04:06, ● 05:28-12:24, ● 12:39-14:43

19 ⌣ n-09:30; ≡ p-np; ⌣ p-np

20 V n-06:15, ≡ 16:50-np; ⁎ 06:15...10:01; ● 11:31-13:32; ☽ 17:07...17:28

21 ● 08:43-08:56, ● 12:48...13:21, ● 13:30-16:01, ● 23:48-23:50

22 ● 02:02-02:19, ● 02:47-03:02; △ 13:10-13:20; ● 13:20...13:31, ⁎ 18:35...21:34, ⁎ 22:09...24:00

23 ⁎ 00:00...03:10, ⁎ 05:56...09:16

24 V n-a

25 ⁎ 18:15-18:31

26 ● 04:57...05:53, ● 07:27...08:20, ● 14:54...15:56

27

28

29 ● 10:16-10:28, ● 10:40-10:44, ● 11:35-11:38, ● 17:02...21:25

30 ● 00:00...00:57, ● 01:06-04:12, ● 04:15...06:13, ● 06:17-08:59, ● 09:02...23:53; ≡ n-12:30, ≡ 12:30-13:00
=13:00-15:00, ≡ 15:00-np

31 ● 00:20...08:45, ⁎ 08:56-(10:30); ⁎ (10:30)-24:00

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