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D-54 (324)

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WARSZAWA 2000

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Editorial Office

Instytut Geofizyki Polskiej Akademii Nauk
ul. Księcia Janusza 64, 01-452 Warszawa, Poland

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Results of Atmospheric Electricity and Meteorological Observations S. Kalinowski Geophysical Observatory at Świder, 1999

Marek KUBICKI

Institute of Geophysics, Polish Academy of Sciences
ul. Księcia Janusza 64, 01-452 Warszawa, Poland

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 1999. Data for the years 1957–1965 have been published in *Prace Obserwatorium Geofizycznego im. S. Kalinowskiego w Świdrze* and for 1966–1999 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

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.

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 1999, atmospheric electricity and meteorological observations, as well as the data treatment, were carried out by M. Kubicki, W. Kozłowski, D. Jasinkiewicz, and G. Szubska. The material was prepared for publication by M. Kubicki.

Received: October 23, 2000

Accepted: November 21, 2000

January 1999

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	183	174	182	174	178	211	192	199	243	269	294	326	362	376	345	337	377	397	358	385	374	321	281	248	–	283	466	126	338
2	236	206	204	218	238	269	260	254	294	337	337	380	388	399	383	392	374	378	372	411	408	375	302	280	321	321	467	159	308
3	228	206	233	278	306	290	286	314	372	393	404	372	368	362	378	430	381	247	193	314	299	232	242	258	–	308	537	114	423
4	224	157	190	192	185	196	351	270	208	222	370	449	425	482	477	435	403	378	332	385	330	270	45	-1	–	291	716	-225	941
5	-11	-8	50	142	211	280	276	327	341	274	273	304	290	242	186	172	229	139	35	-11	54	105	140	161	–	175	380	-134	514
6	178	172	198	186	199	226	246	272	284	293	277	218	266	316	325	384	392	413	481	478	497	445	446	425	–	317	587	130	457
7	406	361	366	337	299	324	362	398	283	247	252	236	277	15	-135	34	<-144	113	205	200	285	259	224	181	–	224	466	<-995	>1461
8	233	221	199	>160	130	179	218	219	276	[279]	274	265	341	307	95	-34	139	<-616	163	>428	327	177	124	150	–	177	>1029	<-995	>2024
9	355	155	301	75	205	160	183	20	130	195	190	221	218	247	343	390	266	267	297	424	509	425	452	372	–	267	804	-620	1424
10	343	389	371	362	483	559	559	458	424	390	463	469	466	543	544	594	483	494	557	517	470	380	288	229	–	451	882	148	734
11	272	321	264	298	316	358	387	405	392	419	400	393	412	442	457	452	823	556	245	306	<-140	<-616	240	244	–	319	966	<-995	>1961
12	184	201	106	-53	33	36	77	2	-6	57	161	189	210	233	236	206	264	200	260	270	260	274	220	192	–	158	313	-657	970
13	235	168	128	156	145	249	298	389	413	434	372	341	355	397	424	500	731	774	>770	643	541	444	403	370	–	403	>1029	44	>985
14	334	329	303	300	207	144	115	179	153	39	218	364	404	425	358	337	285	<-133	-56	-86	-444	-101	-71	32	–	151	884	<-995	>1879
15	99	156	185	193	226	212	253	341	363	375	|	<-290	–	–	–	243	283	327	420	428	509	525	379	244	–	–	–	–	–
16	236	169	113	85	161	251	315	367	373	442	449	440	464	495	452	470	462	522	606	595	561	544	506	505	–	399	669	-67	736
17	501	451	430	413	415	390	440	496	548	532	471	430	423	405	446	496	486	557	477	589	494	420	378	318	–	459	720	256	464
18	310	255	250	240	161	228	284	319	322	409	451	381	375	374	414	525	455	490	546	621	341	387	581	760	–	395	973	101	872
19	>903	402	388	393	691	722	784	637	267	404	462	387	423	365	426	552	390	510	430	490	353	378	424	308	–	479	>1029	-159	>1188
20	324	288	238	368	376	389	350	357	288	261	116	287	344	236	496	436	463	576	594	>717	715	687	>655	536	–	420	>1029	-375	>1404
21	440	411	489	478	393	419	480	517	444	374	324	234	194	294	330	273	145	118	162	266	251	375	432	292	–	339	895	26	869
22	198	177	219	206	239	236	330	323	318	289	303	175	199	35	61	151	144	167	183	263	356	381	353	322	–	234	494	-261	755
23	317	315	351	256	220	234	242	292	363	367	321	326	328	307	370	392	351	382	385	385	364	301	324	341	–	326	497	89	408
24	265	159	34	-16	-19	69	158	133	160	162	186	242	281	323	333	338	331	341	314	338	225	128	114	99	–	198	421	-163	584
25	87	164	116	157	176	202	234	214	209	214	256	223	199	264	270	300	231	257	245	290	265	214	161	185	–	214	461	20	441
26	187	182	32	104	32	112	94	157	41	66	-84	<-190	140	200	228	259	300	354	496	544	502	456	316	281	–	200	614	<-995	>1609
27	336	386	271	167	176	195	245	212	253	169	188	176	238	262	316	352	354	410	358	339	174	214	268	299	–	265	509	26	483
28	205	122	84	107	260	179	260	309	394	377	390	345	296	271	309	360	439	491	249	77	320	280	278	301	–	279	752	-408	1160
29	247	213	216	216	234	285	348	446	426	367	302	302	313	325	381	283	368	496	559	493	467	395	401	387	–	353	813	27	786
30	362	403	410	530	543	502	317	270	155	293	>423	>924	>686	593	488	346	454	391	439	460	498	518	458	510	–	457	>1029	4	>1025
31	476	411	472	425	469	447	504	587	401	555	624	549	464	563	555	580	376	276	312	314	365	373	186	82	–	431	686	-836	1521
A	285	271	289	289	340	374	403	409	367	384	380	330	349	396	395	407	443	455	425	426	417	383	340	304	375					
N	>286	249	239	>231	255	276	305	312	294	307	316	305	338	336	343	354	<356	<331	>354	>383	<340	<309	>308	287	309					

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,hf	o,hf	o,hf	c,hf,r f,m	o,r	o	o,r,hf	o,r	o,s,m	o	o,s	o,m,s	o,s	o,hf m,s,g	o,s,r	o,m,r	o	r,m,f	o,f	o,f	o,f	o,m f,d	o,m s	o,m,r	o,r	o,r	o,hf m,f	o,s	o	o,s	o

June 1999

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	145	179	205	221	225	240	244	221	197	191	190	189	171	166	188	166	179	175	190	211	201	276	265	265	–	204	388	104	284
2	254	255	265	240	301	286	260	269	276	203	196	156	148	170	234	228	241	223	237	294	255	190	209	215	–	234	362	1	361
3	194	193	202	194	230	240	262	275	262	241	176	155	138	69	-9	-46	-3	63	33	37	16	-309	-381	-207	–	84	589	-861	1950
4	-133	-11	96	134	198	347	262	233	219	195	186	194	211	219	219	213	251	|	|	|	75	53	9	58	–	–	–	–	–
5	-98	1	150	75	62	107	189	301	315	273	223	199	202	195	208	214	198	197	246	276	234	184	154	97	–	175	376	-375	751
6	111	112	127	147	107	154	198	272	264	259	241	300	261	241	242	256	203	231	262	275	213	195	186	174	–	210	349	54	295
7	146	132	126	131	147	78	127	144	107	103	142	148	126	152	179	172	164	163	144	109	128	112	91	89	–	132	203	20	183
8	91	122	113	82	84	158	214	243	245	237	200	206	199	244	242	249	272	306	330	328	262	167	185	190	–	207	394	26	368
9	>300	|	|	-21	45	-6	-16	9	188	259	213	224	250	269	245	239	243	248	254	332	363	297	250	258	–	–	–	–	–	–
10	211	157	168	205	248	258	223	221	224	207	187	180	185	209	230	216	208	195	214	252	253	266	263	229	–	218	327	99	228
11	230	215	193	186	237	222	260	214	247	230	232	>320	|	|	|	242	|	|	130	205	401	475	274	85	–	–	–	–	–
12	25	63	161	83	120	204	322	318	272	252	240	>421	502	|	|	|	|	157	52	37	137	>408	138	215	–	–	–	–	–
13	155	80	58	61	86	80	-6	163	203	62	140	206	159	125	115	167	129	100	136	<120	>473	38	121	207	–	132	>1029	<-995	>1024
14	145	123	>116	<47	430	264	202	223	188	165	162	167	191	216	227	244	343	|	|	<-710	268	326	317	342	–	–	–	–	–
15	338	312	204	336	438	446	313	237	196	215	207	201	197	216	231	251	182	183	151	139	156	114	106	176	–	231	841	-5	846
16	0	>238	<-33	-243	<-321	-101	76	124	177	170	210	225	231	213	227	220	209	215	201	182	|	|	177	183	–	–	–	–	–
17	113	84	>484	3	>410	<-11	|	|	<114	23	108	86	155	233	279	317	305	264	299	307	251	224	178	193	–	–	–	–	–
18	199	190	167	211	166	116	140	231	|	92	7	242	410	261	200	|	|	|	|	|	|	|	|	|	–	–	–	–	–
19	28	174	239	320	307	326	355	353	378	334	361	379	356	295	311	300	262	259	232	185	162	113	123	128	–	262	471	-742	1213
20	158	157	210	164	151	138	194	186	190	190	185	171	160	177	182	195	216	198	211	212	189	204	178	169	–	183	283	59	224
21	149	151	186	188	140	80	-30	92	184	381	342	283	398	<-315	|	|	357	220	261	366	337	165	108	46	–	–	–	–	–
22	-14	-26	-7	0	29	10	80	80	66	<21	|	|	-168	<-197	|	|	|	-106	|	|	<-343	-82	27	-14	–	–	–	–	–
23	-104	-59	-23	<-403	|	>137	-340	>259	<62	>550	87	-10	-6	-11	-52	-46	-23	-275	-71	41	5	158	246	244	–	–	–	–	–
24	272	259	264	305	365	459	420	473	558	387	257	-349	98	-136	-31	315	341	314	278	327	386	421	532	459	–	290	747	-805	1552
25	418	481	614	461	357	368	361	310	156	220	232	306	192	323	270	338	273	231	260	435	371	431	340	345	–	338	786	10	776
26	241	148	171	180	264	293	319	318	261	244	306	316	324	302	304	290	278	311	327	381	403	381	396	395	298-	298	459	84	375
27	360	314	326	364	400	349	330	321	331	301	302	303	308	302	285	274	306	336	349	372	405	412	350	351	335	335	473	188	285
28	328	363	298	303	390	448	440	454	410	341	339	316	315	282	275	280	297	312	353	365	325	226	195	180	328	328	558	122	436
29	172	204	227	147	173	216	217	184	233	292	273	269	273	245	221	242	267	266	278	367	486	640	515	421	–	285	953	93	860
30	286	205	213	268	305	365	309	260	249	246	200	224	207	212	204	221	231	244	289	380	386	298	301	409	–	270	658	89	569
A	246	226	217	244	266	294	277	284	268	254	264	263	280	240	250	255	246	252	279	326	310	315	293	289	269					
N	>157	166	190	<146	210	209	204	241	234	<230	212	209	213	167	201	221	228	193	21	2	242	229	202	204	211					

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	c	o,r	o,r,l,t	o,r	b	c	o,l t,r	o,r	o	o,r h,l,t	o,l,t r,h	o,m,r	o,l,r	o,r	o,r	o,r	o,r l,t	o,r	e	o,l,r	o,d,r	o,r	o,r	o,r	b	b	c	c	c

April 1999

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	395	410	344	290	252	286	376	391	315	229	238	228	263	265	274	266	280	230	289	368	439	351	324	254	306	306	525	133	392
2	221	232	203	205	254	274	319	370	384	356	319	282	260	253	250	258	276	296	306	255	335	303	295	291	283	283	437	133	304
3	281	247	208	239	254	266	396	337	332	292	312	328	274	259	260	248	269	285	397	368	381	421	376	296	306	306	740	127	613
4	266	200	183	142	184	308	348	401	367	342	325	273	194	201	181	177	173	172	256	311	232	204	180	185	–	242	455	64	391
5	169	156	147	143	150	186	213	224	211	194	230	225	211	221	220	215	195	196	364	441	401	320	197	128	–	223	753	83	670
6	104	105	135	116	126	236	184	136	-56	29	-198	-67	-36	22	35	54	83	122	140	179	141	122	78	64	–	77	382	-525	907
7	88	-21	22	19	-41	11	-25	65	177	226	220	220	221	211	196	195	198	237	306	337	322	236	196	187	–	159	424	-678	1102
8	146	180	152	191	181	203	147	243	270	229	234	202	216	197	241	220	206	212	187	323	209	225	167	109	–	204	401	37	364
9	125	140	185	148	124	129	154	223	316	369	307	268	226	223	249	282	231	264	315	309	308	276	222	235	–	234	418	27	391
10	192	192	203	195	190	174	186	156	89	154	145	154	161	125	126	168	183	160	195	191	143	160	140	122	–	163	246	2	244
11	126	111	134	125	136	169	174	183	212	198	175	157	145	142	137	121	82	85	-116	50	-4	-47	-270	-122	–	88	974	-932	1906
12	89	110	98	111	94	130	225	253	235	265	219	207	216	235	217	228	240	262	400	406	419	408	381	345	–	241	528	23	505
13	320	248	258	274	286	313	317	333	357	302	281	242	227	262	157	279	238	322	|	217	188	|	<-5	>-51	–	–	–	–	–
14	71	111	173	136	141	154	223	196	207	216	185	226	|	|	174	|	218	275	322	523	757	688	444	338	–	–	–	–	–
15	343	381	323	330	397	480	442	443	348	184	159	187	202	215	210	216	252	359	433	431	397	315	262	240	–	315	516	87	429
16	334	345	307	290	320	320	300	316	278	[279]	375	339	373	184	245	287	292	291	320	317	275	288	340	315	–	305	926	103	826
17	319	283	274	293	311	125	-184	-87	-142	112	58	<-65	-125	|	198	309	321	200	-13	-377	-135	-11	-133	76	–	–	–	–	–
18	-114	-83	103	73	78	107	138	137	139	139	140	134	156	167	176	198	201	188	214	283	414	420	325	311	–	169	569	-325	894
19	250	202	241	>743	<-604	-160	|	>977	|	|	<-128	|	95	-171	|	>706	<-982	<-906	|	|	|	|	|	–	–	–	–	–
20	>587	210	-135	-120	<-724	<-829	<-921	<-728	<-982	<-981	|	|	|	|	|	|	-376	-327	<-518	<205	20	-135	|	|	–	–	–	–	–
21	<-579	19	33	90	34	64	105	106	110	68	109	171	247	217	287	373	412	339	319	362	349	310	294	259	–	171	514	<-995	>1509
22	240	243	246	242	245	-116	96	<-590	<-733	-310	-84	-117	-217	-327	-31	-174	-73	196	283	318	405	352	212	273	–	24	524	<-995	>1519
23	400	350	448	416	357	325	306	233	209	233	253	248	268	223	|	|	|	>78	156	376	|	>751	319	265	–	–	–	–	–
24	233	247	218	210	293	316	373	313	303	318	268	253	|	196	228	272	>289	325	368	434	300	331	288	274	–	–	–	–	–
25	209	230	206	27	45	74	132	187	201	157	203	162	235	216	169	124	217	233	265	274	244	260	256	237	–	190	326	-444	770
26	211	202	186	179	237	284	289	289	268	319	287	293	286	287	267	293	292	323	373	340	276	266	256	271	–	274	427	124	303
27	231	136	114	176	233	341	391	402	366	297	279	-99	|	|	|	|	|	<-291	-130	<-533	286	259	289	240	–	–	–	–	–
28	213	215	230	250	277	377	411	219	258	93	71	124	185	218	<-152	|	>992	|	|	|	[147]	–	–	–	–	–	–	–	–
29	–	–	–	–	–	[111]	176	189	171	162	36	<-105	-189	-10	65	215	262	282	334	382	463	433	381	348	–				
30	338	338	306	366	468	423	337	282	235	250	248	240	241	230	226	232	206	200	270	272	295	324	345	228	288	288	560	143	417
A	251	240	226	229	257	313	352	325	302	268	266	251	246	222	242	250	256	263	331	356	360	337	293	254	282				
N	200	199	191	203	148	<169	194	207	153	163	181	168	167	164	177	230	185	159	224	[illegible]	[illegible]	290	228	212	215				

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
	b,hf	o	b,hf	o,hf	o	o,r	o,r	o	o	o,r	o,r,m	o,r	o,r	o,r	o,hf	o,r	o,r	o,r	o,r,s	o,s	o,r	o,r,f	o,f m,r,l	o,r	o,r	o	o,r,l	o,f,r,l	o,r	b,hf

May 1999

Electric field strength [V/m]

Day	GMT 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	165	197	217	230	307	336	316	309	300	283	251	237	244	247	222	239	263	289	281	241	203	198	>343	196	–	>255	>1029	54	>975
2	150	176	125	124	203	260	285	262	276	281	241	203	202	206	208	214	221	244	279	318	397	407	450	344	–	253	534	67	467
3	310	301	321	324	321	320	274	240	225	236	240	190	196	182	173	170	154	190	207	222	190	195	169	189	–	231	427	50	377
4	203	198	195	196	192	244	288	328	297	306	284	261	276	266	279	287	313	347	391	409	749	707	525	347	–	329	981	124	857
5	377	476	401	362	344	413	389	282	242	225	197	198	209	216	222	233	285	307	378	458	496	518	488	465	–	341	580	155	425
6	423	356	323	305	434	423	361	305	264	251	236	239	230	226	227	245	253	265	366	616	689	>610	701	684	–	>378	>1029	106	>923
7	585	328	297	276	377	432	396	305	246	252	253	245	238	240	236	221	212	190	215	314	404	438	394	281	306	306	775	105	670
8	243	201	207	195	235	271	242	268	265	233	173	156	163	171	186	194	206	247	345	404	311	-26	<-354	<-254	–	<178	497	<-995	>1492
9	-283	<-508	<-338	-68	175	35	26	-44	-42	-26	27	37	82	158	31	61	188	299	409	482	481	507	346	185	–	<93	919	<-995	>1914
10	233	298	214	189	98	58	131	246	281	133	55	164	199	201	209	208	243	253	259	284	221	197	175	191	–	196	401	-161	562
11	186	188	173	|	|	74	55	136	22	-11	-163	-82	22	81	183	179	282	280	290	293	218	188	166	289	–	–	–	–	–
12	266	212	234	191	266	138	121	231	254	258	206	211	187	235	253	281	282	301	288	270	244	255	245	255	–	237	364	-22	386
13	251	239	204	25	-138	-1	<-101	<-357	123	-35	113	32	28	140	211	243	264	301	|	<14	229	242	272	215	–	–	–	–	–
14	235	176	143	154	199	221	299	292	151	12	62	45	186	232	|	|	>740	<162	578	711	>741	406	443	356	–	–	–	–	–
15	189	122	162	238	261	228	|	-133	51	107	|	|	<-358	-24	95	212	278	258	352	427	460	528	436	344	–	–	–	–	–
16	280	284	218	290	273	256	240	224	204	<-460	33	60	-30	29	<-206	<44	140	287	317	367	358	287	281	246	–	<168	590	<-995	>1585
17	237	228	217	253	286	314	319	284	267	159	158	168	178	204	247	259	236	252	257	363	414	355	319	306	–	282	490	67	423
18	337	295	258	268	269	369	376	320	243	219	225	225	240	261	236	240	237	226	253	429	595	495	486	520	–	317	963	111	852
19	>627	485	465	482	561	764	580	376	317	259	263	273	267	277	274	307	317	275	338	375	482	548	379	318	–	>400	>1029	127	>902
20	317	332	314	280	350	371	356	426	377	298	290	270	279	302	315	313	290	261	316	348	381	381	375	377	331	331	551	136	415
21	348	341	345	362	403	394	385	357	273	215	193	181	169	189	218	249	277	274	286	311	336	304	286	225	288	288	443	96	347
22	202	218	218	213	237	288	325	250	230	206	215	225	238	245	225	266	194	>918	>-94	|	|	|	|	|	–	–	–	–	–
23	<0	-9	-54	37	73	87	127	107	110	29	147	177	190	204	232	213	229	242	173	246	231	211	154	189	–	<139	862	<-995	>1857
24	170	262	224	97	156	272	276	252	253	208	200	184	168	192	203	214	229	215	[235]	[141]	95	118	120	102	191	191	358	19	339
25	109	132	179	182	287	360	343	286	293	262	224	211	206	189	208	201	191	227	283	291	273	254	190	165	–	231	394	72	322
26	144	138	144	151	267	263	209	194	176	194	188	188	191	189	206	219	218	219	229	240	289	329	380	389	–	223	532	83	449
27	352	297	286	266	292	358	305	254	212	221	228	220	212	205	207	206	206	187	203	197	102	153	197	219	233	233	442	66	376
28	141	162	167	158	191	219	255	250	254	273	240	223	206	205	230	214	205	196	253	297	302	303	301	310	232	232	386	82	304
29	258	191	199	261	266	209	226	250	320	338	313	260	229	215	225	201	162	159	164	156	194	188	157	130	–	220	383	82	301
30	103	91	102	103	105	119	136	159	162	163	139	175	194	149	161	103	191	168	185	193	276	|	205	30	–	–	–	–	–
31	82	44	-25	31	125	140	158	164	181	172	187	186	193	187	192	241	266	283	201	205	230	201	205	151	–	167	372	-127	499
A	261	255	247	247	286	336	328	286	264	246	236	217	215	222	220	227	244	251	271	311	350	342	347	313	275				
N	232	<208	<196	206	247	266	257	<220	220	<170	181	179	<169	194	197	216	>250	269	275	321	353	328	294	259	237				

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,h	c,r	c	c	b,h	b,h	b,h	o,h,r	c,r,l	o,r	c,r	o,d	o,r,l	o,r,l	o,l,r	o,r	o,r	c	o,l,r	b	c	c,r,l	o,r	b	c	c	b	b	b	b,t,l,r	c

June 1999

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	145	179	205	221	225	240	244	221	197	191	190	189	171	166	188	166	179	175	190	211	201	276	265	265	–	204	388	104	284
2	254	255	265	240	301	286	260	269	276	203	196	156	148	170	234	228	241	223	237	294	255	190	209	215	–	234	362	1	361
3	194	193	202	194	230	240	262	275	262	241	176	155	138	69	-9	-46	-3	63	33	37	16	-309	-381	-207	–	84	589	-861	1950
4	-133	-11	96	134	198	347	262	233	219	195	186	194	211	219	219	213	251	|	|	|	75	53	9	58	–	–	–	–	–
5	-98	1	150	75	62	107	189	301	315	273	223	199	202	195	208	214	198	197	246	276	234	184	154	97	–	175	376	-375	751
6	111	112	127	147	107	154	198	272	264	259	241	300	261	241	242	256	203	231	262	275	213	195	186	174	–	210	349	54	295
7	146	132	126	131	147	78	127	144	107	103	142	148	126	152	179	172	164	163	144	109	128	112	91	89	–	132	203	20	183
8	91	122	113	82	84	158	214	243	245	237	200	206	199	244	242	249	272	306	330	328	262	167	185	190	–	207	394	26	368
9	>300	|	|	-21	45	-6	-16	9	188	259	213	224	250	269	245	239	243	248	254	332	363	297	250	258	–	–	–	–	–	–
10	211	157	168	205	248	258	223	221	224	207	187	180	185	209	230	216	208	195	214	252	253	266	263	229	–	218	327	99	228
11	230	215	193	186	237	222	260	214	247	230	232	>320	|	|	|	242	|	|	130	205	401	475	274	85	–	–	–	–	–
12	25	63	161	83	120	204	322	318	272	252	240	>421	502	|	|	|	|	157	52	37	137	>408	138	215	–	–	–	–	–
13	155	80	58	61	86	80	-6	163	203	62	140	206	159	125	115	167	129	100	136	<120	>473	38	121	207	–	132	>1029	<-995	>1024
14	145	123	>116	<47	430	264	202	223	188	165	162	167	191	216	227	244	343	|	|	<-710	268	326	317	342	–	–	–	–	–
15	338	312	204	336	438	446	313	237	196	215	207	201	197	216	231	251	182	183	151	139	156	114	106	176	–	231	841	-5	846
16	0	>238	<-33	-243	<-321	-101	76	124	177	170	210	225	231	213	227	220	209	215	201	182	|	|	177	183	–	–	–	–	–
17	113	84	>484	3	>410	<-11	|	|	<114	23	108	86	155	233	279	317	305	264	299	307	251	224	178	193	–	–	–	–	–
18	199	190	167	211	166	116	140	231	|	92	7	242	410	261	200	|	|	|	|	|	|	|	|	|	–	–	–	–	–
19	28	174	239	320	307	326	355	353	378	334	361	379	356	295	311	300	262	259	232	185	162	113	123	128	–	262	471	-742	1213
20	158	157	210	164	151	138	194	186	190	190	185	171	160	177	182	195	216	198	211	212	189	204	178	169	–	183	283	59	224
21	149	151	186	188	140	80	-30	92	184	381	342	283	398	<-315	|	|	357	220	261	366	337	165	108	46	–	–	–	–	–
22	-14	-26	-7	0	29	10	80	80	66	<21	|	|	-168	<-197	|	|	|	-106	|	|	<-343	-82	27	-14	–	–	–	–	–
23	-104	-59	-23	<-403	|	>137	-340	>259	<62	>550	87	-10	-6	-11	-52	-46	-23	-275	-71	41	5	158	246	244	–	–	–	–	–
24	272	259	264	305	365	459	420	473	558	387	257	-349	98	-136	-31	315	341	314	278	327	386	421	532	459	–	290	747	-805	1552
25	418	481	614	461	357	368	361	310	156	220	232	306	192	323	270	338	273	231	260	435	371	431	340	345	–	338	786	10	776
26	241	148	171	180	264	293	319	318	261	244	306	316	324	302	304	290	278	311	327	381	403	381	396	395	298-	298	459	84	375
27	360	314	326	364	400	349	330	321	331	301	302	303	308	302	285	274	306	336	349	372	405	412	350	351	335	335	473	188	285
28	328	363	298	303	390	448	440	454	410	341	339	316	315	282	275	280	297	312	353	365	325	226	195	180	328	328	558	122	436
29	172	204	227	147	173	216	217	184	233	292	273	269	273	245	221	242	267	266	278	367	486	640	515	421	–	285	953	93	860
30	286	205	213	268	305	365	309	260	249	246	200	224	207	212	204	221	231	244	289	380	386	298	301	409	–	270	658	89	569
A	246	226	217	244	266	294	277	284	268	254	264	263	280	240	250	255	246	252	279	326	310	315	293	289	269					
N	>157	166	190	<146	210	209	204	241	234	<230	212	209	213	167	201	221	228	193	21	2	242	229	202	204	211					

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	c	o,r	o,r,l,t	o,r	b	c	o,l t,r	o,r	o	o,r h,l,t	o,l,t r,h	o,m,r	o,l,r	o,r	o,r	o,r	o,r l,t	o,r	e	o,l,r	o,d,r	o,r	o,r	o,r	b	b	c	c	c

July 1999

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	–	–	–	–	[239]	312	272	262	262	236	222	219	195	212	207	207	215	220	287	359	362	339	214	233	–	–	–	–	–
2	232	180	134	134	165	117	188	271	285	269	262	269	253	228	225	218	235	259	281	358	371	238	330	255	–	239	572	59	513
3	299	223	172	209	286	264	229	234	231	228	175	262	251	209	201	233	250	253	203	230	–	–	–	–	–	–	–	–	–
4	–	–	–	–	[197]	201	285	255	226	250	232	212	163	144	161	178	176	197	157	171	208	180	171	164	–	–	–	–	–
5	167	150	151	172	203	214	233	254	257	261	328	308	288	293	233	291	284	299	317	368	351	339	328	331	268	268	442	33	409
6	257	219	203	213	237	247	256	266	299	379	328	247	236	235	249	226	235	226	238	333	>539	|	139	191	–	–	–	–	–
7	235	106	156	192	182	186	110	82	199	215	226	260	223	224	192	201	227	230	253	293	292	300	268	190	–	210	388	-119	507
8	152	151	112	|	>212	9	|	|	|	<8	145	192	254	271	256	208	188	206	222	246	191	<-616	|	|	–	–	–	–	–
9	|	|	109	-32	93	81	96	240	235	223	266	265	234	259	239	237	248	229	220	252	327	348	363	313	–	–	–	–	–
10	250	281	258	264	330	295	276	279	257	225	226	224	222	211	221	243	238	292	272	306	318	326	271	252	264	264	407	146	261
11	254	208	224	228	280	311	289	277	277	251	237	229	222	229	232	252	276	289	296	328	347	364	340	302	273	273	426	90	336
12	277	258	231	279	334	330	372	345	345	312	310	252	218	210	224	226	240	239	254	301	302	306	283	237	278	278	429	140	289
13	206	215	219	244	264	302	366	404	365	397	379	305	>318	>402	165	224	227	187	287	216	222	214	196	170	–	271	>1029	-152	>1181
14	140	117	138	182	190	179	241	245	207	252	375	525	454	229	417	229	239	261	|	|	143	248	88	-27	–	–	–	–	–
15	-185	<-714	-36	35	-164	-8	25	158	283	303	134	287	265	234	228	190	201	225	203	208	211	238	227	221	–	115	430	<-995	>1425
16	213	205	206	214	276	316	318	312	230	193	199	325	323	>604	|	225	190	>521	254	279	280	257	250	259	–	–	–	–	–
17	280	260	187	163	269	372	308	301	316	249	244	232	216	211	222	188	185	169	222	342	315	269	215	173	246	246	487	86	401
18	208	172	169	191	286	281	245	211	244	206	201	194	188	193	204	188	186	181	206	207	200	178	170	178	–	205	396	103	293
19	143	120	134	163	195	210	216	237	254	265	259	205	<-366	|	<-354	<-331	<-266	177	285	344	516	464	391	483	–	–	–	–	–
20	395	361	315	285	350	441	357	312	243	219	211	279	305	245	254	231	200	197	228	216	253	261	232	229	276	276	654	134	520
21	186	194	188	196	214	290	245	318	414	253	205	144	125	190	178	196	209	243	199	197	242	277	255	231	–	225	709	-207	916
22	191	177	163	218	322	306	230	364	230	209	227	209	188	180	211	225	222	209	219	256	272	256	274	242	–	233	655	91	564
23	252	297	269	274	293	362	368	368	384	390	334	298	346	157	191	184	207	210	208	204	183	186	175	166	–	264	508	81	425
24	170	163	149	135	137	139	162	184	203	234	249	214	197	173	182	190	190	187	195	206	234	188	230	200	–	188	330	81	249
25	199	211	281	218	215	241	205	207	243	213	210	197	180	169	183	183	191	186	181	211	362	339	378	334	231	231	511	82	429
26	299	198	214	202	259	393	379	320	240	220	225	218	221	228	217	211	191	167	155	185	157	111	89	53	–	215	481	-1	482
27	93	164	178	154	119	-120	143	170	188	212	236	213	206	202	203	199	196	209	228	286	277	197	165	139	–	187	370	-195	565
28	121	110	124	161	197	221	232	233	238	203	222	55	|	>586	161	250	171	|	64	174	113	109	88	108	–	–	–	–	–
29	142	147	148	155	231	356	313	292	252	217	212	199	194	207	195	205	184	197	238	238	273	260	275	202	–	222	522	91	431
30	190	170	154	133	199	291	289	270	297	250	221	215	236	227	214	207	212	202	176	186	211	262	228	160	–	217	451	86	365
31	136	181	195	196	281	325	345	343	284	241	244	231	212	203	216	236	254	260	269	248	259	281	280	272	250	250	401	65	336
A	222	209	201	203	248	289	290	291	287	271	271	244	227	215	215	215	219	222	236	260	290	277	265	244	246					
N	198	161	178	185	>222	249	253	267	266	<245	243	241	219	245	196	<199	<200	231	227	258	278	232	238	216	230					

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	c	c,r	b	c	b,r	c	c,r,j	c,r,j	b	b	c	c,r	c,r,j	c,m,r	c,r,j	c	b	c,r,j	b	c,r	c,r	c,r	c	b	b	c	c,r	b	b	c

August 1999

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	241	202	196	180	187	214	219	210	202	210	214	182	185	179	190	182	196	185	185	201	196	184	187	167	–	196	275	74	201
2	171	132	107	124	166	208	223	211	206	212	204	187	186	181	174	195	201	195	217	279	317	282	256	247	–	204	440	62	378
3	201	169	150	147	182	214	224	222	224	217	193	196	185	171	164	181	175	186	208	220	235	268	194	154	195	195	466	92	374
4	154	165	195	165	152	245	292	285	220	188	162	150	152	145	160	174	189	189	191	236	228	207	180	153	–	191	430	26	404
5	154	147	136	169	176	192	237	252	238	208	175	189	177	173	174	186	176	164	197	193	201	211	205	169	–	188	429	79	350
6	131	99	99	107	127	126	134	137	150	172	176	167	231	197	172	196	224	194	167	173	141	108	101	95	–	151	343	44	299
7	79	67	25	-10	-14	6	115	187	172	170	183	177	181	167	156	158	154	169	200	230	243	250	243	203	–	146	493	-89	582
8	209	224	211	229	193	231	196	180	121	>383	187	212	203	182	167	215	211	183	246	218	165	172	141	136	–	200	>1029	58	971
9	153	127	111	150	207	184	205	239	227	217	205	220	215	196	240	246	259	340	176	196	263	307	265	212	–	215	624	63	561
10	157	147	174	193	170	276	281	269	267	251	244	248	172	52	178	269	<155	|	-215	>192	109	129	272	169	–	–	–	–	–
11	201	135	107	56	42	228	340	294	249	247	232	227	207	183	176	187	196	213	246	259	221	180	|	<-348	–	–	–	–	–
12	43	141	178	152	146	273	360	343	309	292	264	255	230	218	214	222	224	244	198	206	237	272	230	248	–	229	796	-35	831
13	186	180	208	209	280	355	346	307	273	269	291	291	229	224	218	219	202	218	199	225	183	181	148	135	–	232	408	77	331
14	125	155	175	170	184	283	266	258	219	118	222	209	193	185	153	205	233	292	284	154	199	201	200	143	–	201	444	44	400
15	116	124	156	142	188	214	231	185	217	201	140	141	>-43	|	|	164	178	282	304	309	250	226	215	225	–	–	–	–	–
16	263	263	270	305	345	354	276	261	246	262	252	220	207	198	205	188	190	173	172	202	196	265	255	182	–	240	394	91	303
17	135	143	157	182	255	288	214	213	194	185	177	117	158	129	|	|	175	223	262	257	168	170	182	178	–	–	–	–	–
18	163	156	206	202	289	437	381	337	295	237	199	210	182	181	190	200	189	183	249	324	324	257	329	380	–	254	529	92	437
19	375	286	210	|	85	163	80	268	326	241	253	223	194	184	207	205	185	187	175	165	193	169	128	145	–	–	–	–	–
20	163	185	165	171	225	334	328	289	323	317	223	196	191	190	186	191	175	162	144	167	205	189	199	172	–	212	435	80	355
21	194	235	228	208	196	220	193	253	247	250	185	226	183	211	226	214	|	|	114	|	<-32	116	110	|	–	–	–	–	–
22	<-515	76	121	130	123	202	291	253	232	235	222	<-196	238	214	245	255	242	201	225	208	240	274	317	234	–	<169	392	<-995	>1387
23	204	208	206	189	209	294	408	331	306	277	266	275	272	293	246	233	249	205	251	467	472	372	309	264	–	284	790	84	706
24	211	222	201	199	188	224	247	240	223	190	170	146	171	159	147	150	179	248	224	225	245	289	259	218	–	207	405	-4	409
25	165	139	105	207	224	259	298	331	315	268	252	231	240	243	245	238	250	263	321	414	424	392	345	346	–	272	485	57	428
26	321	289	268	272	305	375	357	482	357	316	303	310	269	262	236	230	211	257	343	396	436	400	337	333	319	319	583	152	431
27	287	320	310	258	235	223	236	245	307	355	333	224	221	206	206	225	241	225	221	226	252	242	256	233	–	254	406	123	283
28	179	153	152	141	140	193	212	222	240	246	234	222	221	196	<85	|	|	147	117	116	9	60	97	105	–	–	–	–	–
29	127	105	83	111	124	139	184	222	252	254	230	272	270	231	216	214	237	179	124	154	212	271	317	237	–	199	527	-34	561
30	209	212	225	179	331	385	301	289	331	314	281	256	235	218	233	246	240	234	355	412	493	429	409	449	–	303	825	77	748
31	365	301	266	189	227	329	345	337	237	277	259	262	240	230	233	206	165	133	116	215	214	106	77	-33	–	221	684	-222	906
A	209	196	192	187	218	277	282	278	252	244	238	231	210	198	194	202	201	204	225	258	272	268	249	225	231				
N	<167	178	174	171	190	247	259	262	249	<244	224	<201	>200	193	195	207	203	210	201	241	<234	232	225	185	212				

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	b	b	c	c	c	b	c,r	c,r	c,r	b	c,r	c	c,r	c,r l,l,m	c	c,r m,l	b	c,r	c	c,l,r	c,m,r	c	c,r	b,m	b	c	c,m,r	c,m,r	c,f	c,r

September 1999

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	-133	-62	22	3	-16	0	49	155	100	358	293	68	-47	26	216	225	227	241	185	122	49	109	187	-142	—	93	482	-985	1447
2	-51	78	79	-46	>21	27	109	92	105	98	132	130	189	256	212	200	222	248	315	383	403	344	309	266	—	>171	>1029	-770	>1799
3	239	223	178	206	237	214	201	242	249	249	253	244	240	235	244	278	303	307	354	392	410	394	356	300	—	273	536	100	436
4	318	291	273	280	280	321	341	317	309	320	293	295	287	310	304	316	330	385	406	407	392	390	424	386	332	332	495	146	349
5	371	370	343	315	321	361	353	359	329	340	292	296	313	314	296	289	306	351	390	418	373	335	281	243	332	332	490	155	335
6	212	206	174	184	182	267	552	364	343	303	298	312	300	296	306	323	287	344	364	466	490	433	312	292	317	317	877	93	784
7	—	—	—	—	—	—	308	351	333	326	292	241	251	250	252	260	287	377	353	383	390	281	150	184	—	—	—	—	—
8	192	155	136	143	111	165	348	366	361	340	303	263	263	258	260	253	226	294	286	227	165	188	168	130	—	234	453	58	395
9	110	119	106	93	105	148	272	261	268	302	266	254	244	287	326	407	410	409	492	523	417	391	405	335	—	290	621	61	560
10	276	248	218	272	257	261	299	369	418	385	334	287	272	306	366	343	357	334	496	470	342	280	279	307	—	325	662	104	558
11	360	262	211	208	189	204	178	186	222	181	208	219	318	290	289	340	387	461	632	791	734	634	394	379	—	344	962	13	949
12	337	321	320	226	232	262	374	329	311	286	260	240	248	252	256	270	282	316	394	409	400	366	324	270	304	304	531	126	405
13	225	220	201	222	224	256	324	337	346	316	309	298	304	325	344	334	373	433	454	423	418	378	329	273	319	319	544	113	431
14	223	190	174	183	172	233	401	422	378	360	341	316	290	290	302	297	315	393	451	446	299	161	191	255	295	295	591	87	504
15	192	226	306	224	181	153	442	475	352	274	268	259	248	252	266	272	255	393	581	544	475	376	332	448	325	325	734	38	696
16	435	373	314	304	264	285	434	390	324	311	318	310	330	376	392	406	406	494	529	483	449	414	429	326	378	378	632	147	485
17	278	267	243	228	237	270	301	211	177	230	284	307	398	466	393	340	363	383	453	461	332	294	233	293	310	310	566	112	455
18	249	205	188	212	166	206	283	333	346	346	334	266	282	326	335	364	333	344	385	341	289	280	260	239	288	288	436	104	332
19	227	206	215	193	177	203	253	288	308	331	328	329	328	333	325	304	249	254	289	298	308	264	240	241	—	271	424	137	287
20	224	200	173	181	174	240	350	386	390	441	425	342	278	262	204	268	341	380	375	394	384	367	375	340	—	312	551	115	436
21	298	258	241	109	214	258	262	275	287	406	473	474	314	276	351	304	306	325	319	319	312	314	253	170	—	297	637	-8	645
22	135	96	95	111	120	102	16	165	244	255	311	294	264	238	238	237	190	276	319	224	246	417	270	228	—	212	691	-107	798
23	207	179	96	110	93	154	231	282	267	228	270	197	210	219	211	178	188	205	230	313	260	107	193	104	—	197	390	-59	449
24	59	80	|	|	115	120	153	237	348	326	258	224	226	254	253	217	|	|	<2	224	171	162	167	|	—	—	—	—	—
25	|	|	90	50	81	121	328	426	363	297	309	242	219	219	224	231	229	264	330	388	153	220	229	237	—	—	—	—	—
26	303	247	169	184	164	238	438	356	322	342	294	248	209	210	198	211	190	229	201	121	104	54	6	-148	—	204	507	-624	1131
27	-89	45	74	83	70	95	225	272	291	309	253	236	215	243	234	239	228	183	269	268	211	131	144	150	—	183	391	-217	608
28	169	156	156	161	178	241	342	480	368	324	280	268	254	250	340	333	350	352	205	199	185	192	126	118	—	251	930	71	859
29	110	106	114	114	125	158	185	176	280	294	267	249	247	231	240	226	218	128	210	139	228	243	236	241	—	199	338	57	281
30	211	246	33	-190	-71	88	262	183	316	291	240	238	227	265	243	248	240	247	259	248	240	242	216	172	—	195	448	-568	1016
A	267	241	220	209	196	240	367	353	331	314	306	286	274	290	288	295	295	329	384	400	383	339	301	277	304				
N	203	197	177	156	159	196	287	302	303	306	293	285	257	271	281	284	289	322	<351	359	321	292	281	229	265				

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,r	o,r	c,m,f	b	b	b	b	b,m	b	o,m,f wind	o,m f,r	b	b	b,h'	b,h'	o,h'	o	o	o	b	o,r	o,r	c,l,r	o,r,l	o,f,r	o,r	b,r	o,f	o,r	o,r

October 1999

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	131	99	76	106	27	180	187	309	285	326	296	330	330	<-7	192	268	258	262	<25	334	334	323	279	231	–	<216	537	<-995	>1532
2	160	167	180	181	161	235	348	345	360	371	353	345	297	277	328	418	417	359	400	394	299	226	227	246	–	295	507	88	419
3	279	260	264	262	217	251	283	318	353	360	305	274	297	282	236	242	240	146	259	273	219	176	138	139	–	253	418	32	386
4	128	108	154	155	–	–	–	–	–	–	116	152	138	223	302	220	–	–	[275]	361	375	279	188	79	–	–	–	–	–
5	224	206	82	|	|	|	<-944	<-885	<-423	-208	-39	-202	<-723	-98	47	129	283	355	339	380	359	297	225	112	–	–	–	–	–
6	30	-484	-280	<-833	-620	<-509	86	162	253	210	222	154	153	128	133	139	–	–	–	-23	29	55	97	105	–	–	–	–	–
7	108	117	121	138	153	200	281	274	209	165	172	221	65	211	[258]	[151]	161	155	287	271	300	262	263	267	–	200	450	-151	601
8	225	219	225	269	257	315	393	290	292	309	275	231	206	249	236	265	247	132	214	191	119	158	220	208	–	239	531	28	503
9	173	206	222	236	222	249	122	92	65	94	117	196	114	132	-175	<-357	>-54	<-447	<-147	<-44	<38	<-163	181	226	–	54	>1029	<-995	>2024
10	288	266	256	264	269	282	301	302	327	304	265	269	255	235	221	185	179	202	198	175	204	219	201	170	–	243	371	98	273
11	189	177	170	133	124	100	122	77	[82]	–	–	–	–	–	–	–	–	–	[266]	335	<311	<311	300	275	–	–	–	–	–
12	277	234	189	211	186	246	320	368	368	338	288	285	266	272	279	242	177	235	295	330	320	308	255	203	–	270	408	-90	498
13	202	152	158	168	155	176	295	292	324	322	299	282	278	258	207	313	297	302	281	262	267	241	221	93	–	244	374	-208	582
14	0	-37	-52	-55	-278	29	14	74	-97	|	>679	>330	|	<51	>449	|	381	309	358	474	372	423	329	254	–	–	–	–	–
15	244	217	190	241	232	249	193	287	347	297	336	270	|	-153	|	|	|	262	238	288	313	295	315	246	–	–	–	–	–
16	220	197	199	182	216	165	208	354	356	232	|	|	304	192	300	169	308	408	360	421	424	404	374	356	–	–	–	–	–
17	339	300	273	255	228	249	276	322	251	103	221	231	247	284	262	241	325	422	441	444	477	505	386	378	–	311	691	-177	868
18	353	360	346	192	121	170	280	332	357	353	298	195	<135	223	339	340	417	188	313	456	259	447	565	341	–	<307	1015	<-995	>2010
19	326	448	477	461	502	439	433	371	423	374	268	223	245	296	331	253	265	321	376	340	348	346	364	338	–	357	683	135	548
20	282	236	206	244	266	299	[353]	340	296	248	258	269	293	337	368	375	421	362	382	412	427	421	366	312	–	324	500	144	356
21	310	272	242	267	289	340	380	387	390	371	375	346	346	343	372	431	473	419	405	390	364	368	366	327	357	357	532	175	357
22	319	288	273	284	300	339	370	374	355	350	393	386	414	485	514	476	471	492	445	436	399	370	345	295	382	382	609	218	391
23	261	222	220	225	223	255	277	293	316	357	342	332	341	318	309	286	284	278	293	276	217	194	152	139	–	287	447	73	374
24	92	101	71	31	52	66	99	72	20	67	65	83	92	74	72	156	187	169	170	190	154	120	117	102	–	101	219	-28	247
25	99	88	91	86	102	118	136	136	140	212	256	297	308	321	297	269	252	196	234	208	182	135	136	149	–	185	344	59	285
26	128	91	124	119	153	136	185	170	178	194	171	154	183	224	258	283	249	240	220	219	245	>232	|	|	–	–	–	–	–
27	19	-11	-9	68	10	91	-13	-36	6	43	86	162	|	|	72	247	295	341	366	361	355	313	281	251	–	–	–	–	–
28	247	245	233	219	236	240	228	211	220	162	149	158	186	189	213	278	295	286	286	273	204	195	199	184	–	222	339	78	261
29	157	112	109	123	78	62	76	139	171	205	214	242	257	272	231	171	101	101	111	145	153	138	116	78	–	148	305	-26	331
30	30	70	64	86	100	134	218	173	130	192	325	306	269	306	299	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	239	239	239	228	208	208	174	146	126	19	-3	36	198	226	195	186	–	–	–	–	–
A	282	302	275	264	268	278	295	326	307	315	324	311	284	296	318	337	339	322	329	357	334	336	321	275	309				
N	195	164	162	149	142	182	190	205	220	235	250	233	204	211	246	235	271	241	265	287	275	261	255	217	221				

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,r	b	c	o,r	o,m,r	o,r	c,m	o,f,r	o,r	c	b,d,r	c,r	o,r	o,l,r	o,r	o,r,h	o,r	c,m f,r	o,hf,r	c,hf	b,hf	o,hf	e	o,r	o	c,r	o,r	o	b,f m,r	b,m f,hf	o,hf,r

November 1999

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	176	168	170	168	168	211	222	240	240	243	248	246	239	207	169	96	107	155	124	148	141	135	99	179	179	281	44	237
2	91	119	140	114	120	175	207	214	273	274	254	279	288	302	280	295	267	262	248	282	255	201	195	180	221	221	349	82	297
3	148	83	-139	23	106	183	210	212	214	127	175	183	194	238	281	276	223	217	204	140	102	99	92	10	–	150	363	-322	685
4	43	56	7	83	47	141	274	280	392	450	183	231	154	208	326	331	386	297	284	241	192	99	175	164	–	209	770	-100	870
5	132	76	156	145	182	142	216	202	133	120	132	172	163	224	250	304	280	265	238	226	199	258	236	146	–	192	364	-73	437
6	51	48	107	62	72	123	137	155	173	187	228	243	278	310	332	379	344	319	249	221	206	218	167	134	–	198	460	2	458
7	172	230	165	122	102	129	272	176	102	133	159	126	55	88	79	49	70	71	83	87	116	116	108	–	–	–	–	–	–
8	–	–	–	–	–	–	–	–	55	23	32	63	67	44	-146	|	80	119	67	121	176	135	121	147	–	–	–	–	–
9	214	217	199	171	149	211	256	296	336	362	342	334	410	391	381	420	467	468	502	463	404	337	299	283	–	330	559	78	481
10	268	248	234	216	229	229	236	196	187	238	192	189	258	264	292	304	261	273	259	275	277	264	250	199	–	243	364	105	259
11	177	207	176	211	205	202	210	266	300	330	317	356	412	436	421	350	387	362	346	220	214	215	177	161	–	277	493	3	490
12	85	164	214	203	218	264	189	61	46	-99	-49	31	280	224	233	195	203	184	197	100	68	87	64	64	–	134	483	-317	800
13	115	140	125	10	30	-7	58	305	207	163	249	386	432	418	486	541	476	408	263	249	223	130	134	89	–	235	686	-177	863
14	116	150	143	172	190	144	35	>312	|	169	38	-68	<-436	12	228	274	383	393	427	439	367	459	413	275	–	–	–	–	–
15	194	202	178	174	187	166	131	34	196	232	281	357	370	385	460	367	316	264	394	435	343	321	343	351	–	278	617	-205	822
16	275	249	275	281	355	321	309	303	317	329	338	393	374	429	493	424	452	384	408	416	488	447	416	395	–	370	614	129	485
17	371	306	297	284	279	292	285	265	205	84	70	134	163	152	194	205	237	323	320	297	296	268	150	147	–	234	472	-93	565
18	103	112	113	101	85	88	144	176	143	405	>323	|	>882	>270	|	>620	179	484	387	495	628	452	355	387	–	–	–	–	–
19	469	207	210	175	151	168	156	146	99	158	-64	209	196	158	197	181	208	232	359	295	283	287	165	146	–	200	611	-143	754
20	139	109	70	39	31	-96	>141	<-869	>308	-40	81	<-126	|	<57	68	>235	–	–	[210]	246	209	159	112	129	–	–	–	–	–
21	165	168	201	224	128	113	107	223	235	217	145	214	148	133	93	93	70	54	91	80	109	174	126	180	–	145	330	-24	354
22	199	252	286	240	131	235	327	112	160	269	256	258	445	424	324	448	490	414	295	381	103	46	57	49	–	258	753	-143	896
23	66	38	345	134	129	108	101	144	101	93	80	71	76	140	153	360	>765	>438	201	100	116	287	373	290	–	>196	>1029	-119	>1148
24	[336]	–	–	–	–	–	–	–	–	–	–	–	–	–	–	157	301	331	317	254	247	292	279	144	–	–	–	–	–
25	207	218	105	157	141	156	161	129	69	98	74	72	90	79	90	181	48	50	20	71	112	-8	-19	-69	–	93	322	-616	938
26	-165	30	-15	17	57	176	-105	9	-23	0	-4	17	70	179	184	204	324	232	188	217	323	232	139	115	–	100	550	-726	1276
27	91	178	131	209	245	248	324	317	351	483	542	526	544	544	527	511	481	501	472	455	442	420	378	249	–	382	613	20	593
28	98	118	95	123	176	177	236	286	324	371	384	412	382	396	389	279	175	231	230	268	193	106	83	90	–	234	483	-46	529
29	29	77	130	102	159	138	83	91	142	221	326	364	420	463	465	457	483	482	453	493	493	462	386	304	–	301	582	-83	645
30	252	247	236	222	161	88	112	170	163	156	193	146	213	286	359	397	383	383	378	365	361	327	336	277	–	259	527	15	512
A	216	202	195	195	193	204	225	236	227	267	309	329	354	343	361	358	350	338	329	317	314	287	282	243	304				
N	159	158	155	149	151	160	179	158	195	200	190	208	256	258	273	310	305	294	275	289	256	234	208	177	218				

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
	b	o	o,r	o,m,f	o	o	o,m f,d	o,m f,r	o	o,r g	b,hf	o,m f,hf	c	o,s	o,s	o,hf	o,hf,s	o,s,f	o,s	o,r	o,s	o,hf,m	o	o,s	o,s r,m,g	o,r,f	o,m,f	o,r,m	o,hf	o

December 1999

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	262	228	174	234	184	176	128	189	190	163	172	122	66	-47	142	231	191	<56	116	188	195	|	<-130	133	–	–	–	–	–	–
2	112	148	139	214	238	262	268	233	262	244	|	124	>166	|	97	|	265	279	166	138	240	196	|	<-157	–	–	–	–	–	–
3	80	130	116	161	189	218	256	246	297	244	225	155	186	145	223	189	30	117	<-190	104	159	218	240	226	–	<166	325	<-995	>1320	
4	|	<-63	98	186	202	221	232	221	208	233	245	253	269	294	287	284	332	354	388	394	404	350	304	285	–	–	–	–	–	–
5	257	227	216	211	219	225	226	262	269	286	243	256	213	199	83	242	225	191	207	191	183	131	>241	121	–	>213	>1029	-823	>1852	
6	123	122	238	236	62	120	149	120	124	134	100	109	166	197	304	359	357	353	373	327	402	29	212	244	–	207	433	-451	884	
7	184	146	-69	-175	-232	-301	-189	-38	74	76	122	77	93	-166	29	-3	149	110	65	141	190	227	184	-42	–	27	264	-794	1058	
8	<-326	57	29	118	118	90	-178	>273	211	237	244	244	241	251	279	263	275	281	296	294	324	335	306	309	–	190	>1029	<-995	>2024	
9	318	316	321	302	260	263	297	298	307	336	325	309	348	389	454	402	380	367	400	395	361	317	278	258	–	334	530	203	327	
10	207	196	175	191	223	233	253	271	276	300	332	364	392	362	361	413	356	357	361	307	289	313	206	123	–	286	486	76	409	
11	158	189	145	162	175	185	191	228	290	323	366	282	3	162	159	–	–	[153]	116	53	[36]	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	40	28	221	284	325	322	290	300	344	378	387	387	392	390	361	200	47	-7	151	–	–	–	–	–	–
13	140	216	172	219	249	254	297	325	319	316	336	318	271	190	188	139	220	277	281	277	314	308	306	306	–	280	378	35	343	
14	335	281	240	241	229	248	277	276	163	208	365	458	422	458	464	424	415	374	198	|	68	57	42	139	–					
15	241	248	215	204	209	222	252	307	302	289	239	242	196	154	207	238	221	180	163	151	158	154	149	157	–	212	387	80	307	
16	130	118	135	160	126	134	172	210	208	179	162	84	160	152	250	300	363	375	350	315	311	256	212	227	–	212	510	14	496	
17	210	201	187	211	233	238	311	313	324	301	311	328	298	323	342	429	469	468	476	470	485	505	432	202	–	338	555	-512	1067	
18	181	245	204	-31	104	-48	-58	-78	73	99	86	|	235	165	240	270	317	331	358	380	380	377	337	309	–	–	–	–	–	–
19	271	258	245	255	272	290	284	273	219	259	281	299	319	367	370	417	446	485	399	353	280	234	230	220	–	305	544	151	393	
20	190	193	168	208	189	197	276	322	323	338	321	308	319	356	367	371	410	377	433	513	489	474	247	240	–	318	631	49	582	
21	275	266	326	267	254	260	305	317	382	357	427	447	440	428	461	492	422	371	454	439	328	300	198	207	–	351	582	106	474	
22	191	226	266	242	218	223	202	189	222	219	251	150	240	301	481	248	208	366	356	212	219	39	152	157	–	232	863	-124	987	
23	115	44	44	40	-5	35	99	118	232	315	406	516	485	505	555	528	504	521	492	482	431	351	326	338	–	311	596	-160	756	
24	303	288	287	285	284	258	201	283	403	477	517	571	629	608	636	682	666	674	648	676	650	580	596	595	492	492	755	149	606	
25	476	443	428	482	484	456	460	483	495	492	482	476	533	516	447	<-121	195	227	203	309	250	|	|	43	–	–	–	–	–	–
26	|	|	–	–	–	–	119	139	191	274	312	342	381	319	128	139	239	364	301	253	265	|	>161	|	–	–	–	–	–	–
27	|	134	124	28	22	5	-39	2	-83	2	10	82	144	122	118	151	129	55	13	78	27	5	1	95	–	–	–	–	–	–
28	201	202	210	209	176	266	311	258	186	267	409	490	383	509	368	418	385	411	294	364	398	329	360	305	–	321	653	103	550	
29	257	185	219	233	208	174	210	233	188	239	193	52	140	128	62	58	-135	-16	144	117	162	169	161	72	–	144	408	-314	722	
30	18	28	11	33	<-6	89	84	63	81	156	143	181	187	175	140	202	271	65	86	66	108	184	245	134	–	<114	971	<-995	>1966	
31	136	61	73	17	>281	<-161	1	51	-10	-58	-26	-8	-18	5	15	26	58	45	82	77	139	166	58	50	–	44	>1029	<-995	>2024	
A	310	287	273	273	280	278	261	321	333	319	353	413	395	392	392	410	397	421	378	375	371	402	368	343	351					
N	187	184	177	177	178	183	175	>213	226	246	264	264	>264	264	279	281	292	<289	<272	281	272	246	216	188	233					

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,r	o,r	o,r	c,r	c,hf,s	o,s	o,s,r	o,r	o	c,hf,m	o,hf,r	o,r wind	o,r	c,hf,r	o,hf r,s	o,r,g	c,hf,s	o,s	b	o,s	o,hf,s	o,g	o	b,hf	o,s,g	o,s	o,s	o,m	o,s,m	o,s	o,s

January 1999

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	19	18	18	18	18	18	18	16	17	16	15	15	16	17	14	13	13	10	8	12	13	12	11	12		—	15	21	7	14
2	13	15	15	15	15	15	14	11	10	11	13	11	11	11	10	8	7	7	7	7	7	8	10	11		11	11	16	6	10
3	12	13	13	13	14	15	16	15	13	12	13	16	16	13	11	7	4	4	4	7	7	8	8	9		—	11	19	3	16
4	8	8	8	9	8	8	7	6	5	6	7	8	8	8	7	7	11	10	12	9	10	11	10	11		—	8	14	5	9
5	12	12	13	17	18	19	18	13	18	20	20	21	22	21	21	20	19	16	16	15	13	15	16	15		—	17	24	8	16
6	16	16	18	19	21	20	20	19	17	17	16	14	13	15	16	15	15	14	9	11	11	15	18	18		—	16	24	7	17
7	17	19	19	21	24	22	15	13	18	24	23	20	21	21	19	19	24	27	27	22	22	22	23	24		—	21	34	11	23
8	20	19	19	23	21	21	19	14	13	12	13	13	13	9	7	8	7	6	8	8	7	9	10	10		—	13	28	4	24
9	12	10	11	10	11	11	9	8	8	8	11	11	8	12	12	13	11	13	16	14	8	8	8	15		—	11	41	5	36
10	19	16	17	14	11	9	9	9	8	10	10	11	10	10	11	11	10	11	11	12	14	15	14	16		—	12	49	6	43
11	19	21	22	22	22	20	16	15	14	16	17	18	18	17	16	18	—	—	—	—	—	—	—	17		—	—	—	—	—
12	18	19	19	16	15	12	11	9	8	9	13	19	19	16	19	19	19	18	18	18	20	20	18	18		—	16	26	7	19
13	18	17	17	17	17	18	16	11	12	13	—	14	13	12	9	6	4	3	3	3	3	3	4	4		—	—	—	—	—
14	5	5	6	6	5	6	6	5	5	6	7	11	13	11	9	9	9	8	6	6	8	11	11	13		—	8	15	4	11
15	12	13	15	17	19	20	17	13	14	15	12	11	—	—	—	—	—	—	7	7	6	6	6	7		—	—	—	—	—
16	9	10	11	10	10	10	9	10	11	11	10	10	10	10	9	8	8	8	8	9	9	9	10	11		—	10	13	7	6
17	12	12	12	12	12	14	14	12	11	11	12	13	13	13	12	10	10	9	8	7	6	7	8	7		—	11	15	4	11
18	9	8	9	9	9	8	7	6	7	8	9	11	11	11	8	6	4	3	3	3	3	3	3	3		—	7	12	2	10
19	3	4	5	6	5	5	5	5	5	5	6	6	6	6	5	6	6	7	8	8	8	8	8	9		—	6	10	3	7
20	8	8	8	8	9	9	8	8	8	7	7	7	7	7	7	7	6	7	7	7	8	8	9	8		—	8	10	5	5
21	9	9	8	9	9	9	8	8	6	6	7	7	7	7	5	5	4	5	5	5	5	5	5	5		—	7	10	3	7
22	6	7	7	7	7	7	6	5	5	8	9	9	9	8	8	7	6	6	6	7	7	9	10	10		—	7	16	4	12
23	9	9	9	14	19	17	12	12	11	11	12	10	12	14	13	14	15	13	13	15	11	11	13	13		—	13	29	7	22
24	14	12	10	9	10	11	11	14	15	15	16	15	16	14	14	12	9	9	10	12	16	15	15	14		—	13	19	7	12
25	14	17	13	15	18	17	17	17	18	17	19	18	15	13	13	12	14	14	16	18	19	20	20	22		—	17	24	10	14
26	23	24	24	25	25	26	18	23	20	17	12	15	19	12	13	14	10	8	7	7	7	8	8	8		—	16	31	5	26
27	9	9	7	6	6	6	6	6	8	8	9	9	11	9	8	7	6	5	4	4	4	5	6	5		—	7	13	3	10
28	5	6	8	8	8	12	16	13	13	15	16	16	16	14	13	13	12	10	16	19	22	26	27	23		—	14	36	5	31
29	28	32	32	32	29	23	17	14	15	16	23	19	17	15	12	13	15	9	6	9	12	14	9	10		—	18	47	4	43
30	9	9	8	5	4	3	3	3	3	6	10	8	11	11	9	9	8	6	6	8	9	7	8	8		—	7	21	2	19
31	7	8	6	8	6	9	6	5	7	7	6	5	6	6	6	4	4	4	3	3	4	4	6	5		—	6	23	2	21
A	15	16	19	19	18	16	13	11	13	13	13	13	13	12	11	10	8	8	7	8	8	8	9	12		12				
N	13	13	13	14	14	14	12	11	11	12	12	13	13	12	11	11	10	9	9	10	10	11	11	12		12				

February 1999

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

GMT Day	OO	O1	O2	O3	O4	O5	O6	O7	O8	O9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max	Min	Amp
1	6	8	7	8	9	10	10	10	9	8	7	7	7	5	5	5	5	5	6	6	5	6	6	6		—	7	14	4	10
2	8	8	8	8	7	8	8	7	7	7	7	9	8	7	6	7	8	9	8	8	8	7	8	9		—	8	20	5	15
3	8	12	14	13	11	16	17	13	14	12	14	13	12	10	9	10	10	11	10	12	13	15	14	15		—	12	25	5	20
4	15	13	14	14	14	16	13	11	12	12	14	15	16	14	11	9	12	16	20	21	21	25	32	25		—	16	45	8	37
5	29	33	34	37	37	37	32	27	33	27	22	25	16	19	20	20	21	23	23	23	25	25	24	26		—	27	53	5	48
6	28	35	37	37	36	36	34	30	27	19	18	20	19	21	18	16	15	10	11	13	12	12	9	9		—	22	43	6	37
7	8	7	7	15	23	30	25	18	14	17	12	15	15	16	16	11	8	7	8	8	10	13	16	21		—	14	43	5	38
8	24	25	24	22	21	17	11	10	11	9	7	8	9	10	8	6	9	12	11	10	9	9	11	13		—	13	36	4	32
9	12	10	9	9	9	8	7	8	9	12	14	16	17	15	13	12	11	8	8	7	8	6	7	6		—	10	22	5	17
10	6	5	5	5	4	4	4	4	4	4	4	5	5	5	5	5	4	4	5	5	5	5	5	5		—	5	7	3	4
11	4	4	4	5	6	6	5	5	6	7	8	11	12	13	12	10	8	6	6	6	8	9	11	13		—	8	26	3	23
12	14	15	16	17	17	15	13	14	16	17	16	15	16	16	17	17	16	17	17	17	17	20	15	23		—	16	53	4	49
13	23	23	19	23	24	17	20	19	18	16	15	16	15	14	14	14	11	11	14	14	15	16	17	19		—	17	41	5	36
14	21	20	22	21	22	21	17	16	14	13	13	15	14	13	13	12	9	9	9	7	8	9	8	8		—	14	40	6	34
15	9	9	8	8	8	8	8	7	7	7	8	8	10	13	11	12	12	11	11	9	10	9	8	9		—	9	17	6	11
16	10	11	11	11	12	11	10	10	10	11	11	10	9	8	9	10	11	11	13	13	15	15	13	17		—	11	25	4	21
17	21	21	21	27	24	28	20	13	10	13	16	16	7	12	13	11	10	8	7	7	9	11	9	11		—	14	33	3	30
18	9	10	11	11	10	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	7	7	10	10	6	—	—	—	—	—	—	—	—		—	—	—	—	—
20	5	6	6	5	6	6	6	9	10	8	7	8	8	8	9	10	11	11	11	10	10	10	11	11		—	8	20	3	17
21	11	10	11	10	8	6	7	8	7	7	6	5	9	11	9	10	7	4	5	5	4	4	4	4		—	7	19	3	16
22	5	6	8	8	8	8	8	8	7	7	5	6	6	8	7	6	5	4	5	4	5	5	6	8		—	6	14	3	11
23	15	15	14	14	15	12	11	12	10	10	11	14	15	18	14	11	10	10	11	11	11	9	10	12		—	12	26	7	19
24	12	15	13	14	13	12	12	11	13	12	14	15	14	10	12	9	11	9	10	10	15	14	12	13		—	12	21	5	16
25	11	12	13	9	7	8	10	10	10	11	13	12	9	8	8	9	10	10	9	7	8	10	12	12		—	10	20	4	16
26	13	14	14	14	12	11	10	9	6	5	7	6	6	5	6	5	6	5	5	7	7	6	7	7		—	8	18	3	15
27	5	4	6	7	7	7	5	4	4	6	8	10	9	6	6	4	5	5	5	5	5	5	4	5		—	6	14	3	11
28	5	6	5	5	5	4	4	5	8	10	11	14	13	13	13	14	11	6	4	5	6	5	5	5		—	8	23	3	20
A	12	13	13	14	16	18	12	12	12	13	11	12	12	13	12	11	9	6	8	6	7	8	11	12		11				
N	12	13	13	14	14	14	13	11	11	11	11	12	11	11	11	10	10	9	10	10	10	11	11	12		11				

March 1999 — 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	6	5	4	5	5	5	5	6	9	11	11	13	14	15	10	8	9	10	10	11	14	16	19	19		—	10	23	3	20
2	21	19	20	31	32	26	25	26	19	13	14	16	20	19	17	17	14	11	11	11	8	4	3	3		—	17	42	2	40
3	5	5	5	8	8	4	6	5	5	5	4	6	7	6	5	7	7	6	4	4	7	11	13	10		—	6	16	3	13
4	8	8	6	8	7	7	7	9	11	13	16	16	16	17	16	16	12	11	11	11	12	13	13	11		—	11	19	3	16
5	12	14	13	14	15	13	12	14	15	15	16	17	17	18	20	20	21	19	18	18	19	17	14	11		—	16	24	7	17
6	14	17	21	26	26	32	28	21	22	21	22	22	21	18	19	19	15	8	4	4	4	4	4	5		—	17	36	3	33
7	6	7	6	6	7	6	6	6	9	12	16	19	20	21	22	21	16	13	12	13	15	16	17	18		—	13	27	4	23
8	20	21	16	16	15	14	15	19	20	18	18	20	20	17	18	18	17	10	9	8	5	3	4	6		—	14	27	2	25
9	5	5	5	4	4	6	6	9	18	17	17	17	16	18	16	16	16	18	20	21	21	27	29	28		—	15	34	3	31
10	26	27	25	22	19	17	14	14	13	15	13	12	13	15	14	10	10	8	6	5	7	10	10	8		—	14	35	4	31
11	6	7	10	12	10	9	11	13	13	14	15	18	10	9	12	12	10	11	11	13	11	11	14	17		—	12	24	3	21
12	19	19	19	17	14	14	11	10	8	10	10	11	10	10	12	9	7	8	8	6	7	8	10	11		—	11	25	4	21
13	15	18	18	25	28	23	23	20	17	19	17	17	16	16	17	16	15	11	10	8	8	8	8	7		—	16	46	5	41
14	9	11	11	12	11	11	12	12	13	16	18	18	20	19	18	14	12	13	12	14	14	12	15	23		—	14	29	7	22
15	25	27	23	24	24	20	14	17	17	17	15	17	18	20	19	16	10	10	9	11	16	22	23	21		—	18	37	7	30
16	20	20	18	16	16	15	15	12	12	14	19	20	19	21	20	18	14	13	13	11	11	8	11	15		—	15	40	3	37
17	12	16	16	14	13	11	11	15	18	20	21	21	21	22	22	20	14	8	5	6	5	4	4	4		—	13	36	3	33
18	3	4	4	6	5	4	4	10	15	16	19	19	21	20	21	20	13	7	4	4	3	3	4	3		—	10	29	2	27
19	4	5	6	6	6	4	6	12	13	16	17	14	14	14	13	13	9	5	4	6	6	5	5	5		—	9	20	3	17
20	5	5	5	6	6	5	4	5	7	10	11	10	8	11	12	8	7	5	6	7	7	7	5	7		—	7	19	3	16
21	9	12	13	12	14	12	10	13	15	14	18	16	15	18	16	15	9	8	8	3	4	4	4	5		—	11	22	3	19
22	4	5	7	7	7	8	7	7	10	12	12	12	13	13	—	—	7	9	7	6	8	9	9	10		—	—	—	—	—
23	10	10	8	6	4	4	7	10	12	13	16	18	19	19	16	15	16	13	5	7	6	6	12	12		—	11	26	3	23
24	13	17	19	19	18	22	20	16	15	—	—	—	—	13	15	15	16	5	4	4	4	4	6	9		—	—	—	—	—
25	8	9	9	9	8	7	7	7	8	10	11	10	12	14	13	12	9	7	8	9	9	10	8	8		—	9	16	5	11
26	7	7	7	8	7	9	10	10	11	13	13	13	13	13	12	11	13	12	11	11	11	12	12	13		11	11	16	6	10
27	12	12	12	11	11	12	13	15	16	17	19	17	18	19	17	16	13	10	9	11	12	11	12	12		14	14	25	7	18
28	12	12	11	12	13	14	15	16	16	17	19	21	19	18	19	21	19	16	12	10	9	9	10	10		15	15	27	6	21
29	10	10	10	9	10	9	10	18	19	19	20	20	21	20	23	21	22	14	7	7	8	10	10	10		—	14	30	5	25
30	11	12	10	9	9	9	8	12	13	12	13	15	16	15	15	13	11	7	4	4	5	4	5	6		10	10	20	3	17
31	6	6	6	5	4	4	6	7	9	8	9	10	11	11	12	11	9	6	6	4	6	4	5	4		7	7	17	3	14
A	9	10	9	9	11	10	10	12	13	14	16	16	16	17	16	15	13	9	8	8	8	8	8	8		11				
N	11	12	12	12	12	11	11	12	13	14	15	16	16	16	16	15	13	10	9	9	9	9	10	11		12				

April 1999

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	5	6	6	6	6	6	6	7	10	12	12	12	13	13	13	14	13	10	7	6	4	4	5	4		8	8	31	3	28
2	5	11	13	11	10	11	10	9	11	14	18	20	20	19	20	20	17	12	7	6	6	6	4	6		12	12	37	3	34
3	8	11	11	10	9	10	8	8	8	9	12	19	21	20	21	23	24	16	11	7	7	7	4	3		12	12	37	2	35
4	4	4	4	4	5	4	6	11	13	12	11	10	10	16	19	22	20	13	10	7	8	18	19	19		—	11	48	3	45
5	19	18	19	19	19	20	19	20	20	20	19	20	20	20	14	16	16	12	8	5	5	4	4	3		—	15	47	2	45
6	4	5	5	4	4	4	10	10	10	11	13	19	25	21	22	17	15	14	15	17	16	14	12	10		—	12	30	3	27
7	10	10	14	14	14	17	17	19	18	19	23	19	14	15	20	22	24	18	12	9	10	12	13	13		—	16	28	6	22
8	14	15	17	15	16	16	13	12	15	22	17	18	18	19	22	21	19	12	11	10	10	9	7	5		—	15	31	3	28
9	8	10	10	9	10	9	9	12	14	13	12	16	18	20	18	9	14	15	13	11	11	13	14	16		—	13	32	4	28
10	16	16	18	19	17	15	12	11	11	11	12	12	11	9	9	9	11	9	7	7	8	9	9	9		—	12	25	5	20
11	9	10	9	8	5	7	9	8	10	13	16	16	14	13	14	14	12	12	11	9	8	8	11	14		—	11	29	3	26
12	16	14	13	13	12	16	18	20	21	15	17	18	15	17	15	17	18	14	8	7	9	10	8	10		—	14	28	5	23
13	10	12	13	11	9	9	13	14	13	14	15	18	16	16	19	20	20	18	10	23	23	20	19	20		—	16	38	4	34
14	20	18	14	11	10	11	13	12	14	15	16	17	20	21	21	13	18	18	11	5	4	4	7	12		—	14	53	3	50
15	12	15	15	15	13	12	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
16	13	15	17	18	17	14	12	14	16	14	14	15	16	18	15	13	13	13	12	11	11	11	11	18		—	14	26	8	18
17	21	21	21	20	19	19	16	18	13	9	9	10	12	13	13	16	17	15	20	25	32	34	26	27		—	19	45	4	41
18	24	25	28	25	24	23	21	20	18	17	18	18	18	19	19	17	16	18	15	10	6	6	5	5		—	17	32	3	29
19	7	8	10	11	6	7	6	10	7	7	19	17	14	10	6	11	5	5	7	7	8	7	7	9		—	9	35	4	31
20	16	17	14	13	5	5	5	5	5	5	7	7	7	10	9	10	11	8	5	8	8	7	7	9		—	8	26	4	22
21	9	13	12	11	10	11	12	11	11	11	13	16	14	12	13	12	11	12	12	12	11	13	14	15		—	12	23	3	20
22	16	16	16	16	15	10	12	10	10	12	12	12	12	10	11	10	9	7	5	5	6	7	6	7		—	11	21	4	17
23	8	8	9	9	8	8	9	11	—	—	13	18	18	17	14	17	13	10	8	7	6	6	6	5		—	—	—	—	—
24	6	6	5	6	7	12	14	16	16	17	19	22	24	29	29	28	25	24	16	15	16	21	25	25		—	18	39	5	34
25	26	30	30	25	23	23	23	24	25	24	26	26	30	29	25	22	19	20	19	20	18	20	15	15		—	23	51	10	41
26	16	17	16	15	15	18	22	22	22	19	22	24	25	25	24	24	23	20	18	22	23	24	24	24		—	21	34	12	22
27	27	28	26	23	20	16	19	20	22	24	24	22	15	14	22	16	18	15	15	12	17	16	13	13		—	19	50	5	45
28	10	11	15	12	11	13	15	16	18	19	20	21	21	23	21	14	21	15	18	12	10	10	11	11		—	15	53	6	47
29	10	10	11	11	13	13	13	13	16	17	15	13	13	16	23	24	23	20	18	17	15	17	21	23		—	16	38	8	30
30	19	20	22	18	17	20	25	24	19	12	8	9	15	17	17	17	13	13	7	4	7	6	6	6		14	14	52	3	49
A	11	13	14	14	12	12	14	14	14	13	13	15	18	17	17	16	17	14	10	9	10	11	12	13		13				
N	13	14	14	13	12	13	13	14	15	15	16	17	17	17	18	17	16	14	12	11	11	12	11	12		14				

June 1999

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	35	35	36	34	29	27	27	26	28	28	28	25	22	23	18	20	22	26	27	33	46	51	51		—	31	53	15	38
2	52	—	—	—	—	35	26	23	18	17	16	18	17	17	20	20	21	26	32	—	—	—	—	—		—	—	—	—	—
3	—	—	—	—	—	—	—	23	22	24	25	23	17	19	19	21	17	—	—	—	40	28	22	20		—	—	—	—	—
4	23	24	19	14	11	10	16	19	16	21	21	22	22	22	24	25	25	19	17	15	11	8	6	5		—	17	32	4	28
5	—	—	—	—	—	—	—	—	—	16	21	26	27	29	28	28	27	25	20	14	11	11	8	6		—				
6	5	6	5	5	8	11	13	16	22	25	26	21	26	30	31	27	33	33	32	29	28	29	31	28		—	22	38	3	35
7	24	21	20	22	18	15	14	15	15	18	20	26	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
8	—	—	—	—	10	15	16	19	20	23	24	21	22	26	31	33	30	27	28	29	30	32	30	30		—	—	—	—	—
9	25	28	30	26	22	21	16	22	27	20	20	22	23	21	20	22	25	34	28	17	16	18	16	15		—	22	54	6	48
10	17	17	20	45	37	25	29	29	26	27	28	28	28	28	28	28	29	29	24	20	23	23	25	30		—	27	52	11	41
11	28	30	32	34	32	28	22	21	19	23	28	29	37	46	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	27	24	33	37	39	33	49	53	53	51	46	44	42	32	18		—	—	—	—	—
13	16	18	25	29	30	31	27	23	22	32	46	41	35	8	26	26	16	9	22	39	41	47	52	53		—	—	—	—	—
14	50	50	47	39	31	28	28	18	19	41	24	19	35	30	13	14	18	39	—	—	—	—	—	—		—	—	—	—	—
15	—	—	—	—	—	—	42	29	23	24	22	32	27	23	32	29	39	53	—	—	—	—	—	—		—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	51	44	40	24	16	20	25	44	62	68	—	—	—	—		—	—	—	—	—
17	—	—	—	—	—	—	—	—	51	50	42	42	18	16	14	10	13	14	17	17	17	15	13	14		—	—	—	—	—
18	16	14	14	14	10	6	7	—	—	—	—	—	—	—	—	—	7	8	12	7	9	8	10	11		—	—	—	—	—
19	11	5	4	12	18	16	7	6	11	7	4	3	6	9	11	12	15	12	—	—	—	—	—	—		—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
25	—	—	—	—	9	8	5	7	9	10	13	14	15	21	19	16	19	21	11	7	5	5	5	5		—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
27	—	—	—	—	—	29	15	16	18	21	22	24	24	24	26	30	32	28	22	20	18	18	19	18		—	22	53	12	41
28	14	13	14	15	15	13	10	14	18	23	22	24	22	22	23	24	28	27	24	19	17	18	23	23		19	19	35	6	29
29	21	16	16	17	16	13	14	11	13	15	19	17	19	22	25	25	26	30	26	20	16	12	10	10		—	18	40	6	34
30	10	11	11	14	14	13	20	25	25	28	26	27	29	30	28	29	29	31	23	14	11	11	10	10		—	20	53	5	48
A	16	15	15	16	20	18	17	21	21	23	20	19	21	22	25	24	26	26	24	18	16	16	14	15		20				
N	23	21	21	23	20	19	19	19	21	24	25	25	25	24	23	24	25	28	27	24	22	22	21	20		23				

July 1999

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	10	10	10	11	10	10	10	19	17	16	20	21	24	23	23	24	26	25	21	17	12	10	8	7	—	16	50	4	46
2	7	7	7	7	12	22	20	9	6	6	9	11	16	20	24	26	26	26	23	19	15	12	11	9	—	15	43	3	40
3	9	8	7	9	15	13	10	7	15	20	20	18	18	17	17	17	20	21	21	16	11	8	8	7	—	14	33	4	29
4	6	6	5	6	6	6	4	12	20	21	21	23	27	29	30	32	33	34	32	24	18	22	20	17	19	19	39	3	36
5	17	17	16	13	9	13	15	16	21	20	20	22	24	27	35	35	31	35	32	29	30	29	29	29	24	24	42	7	35
6	27	24	23	21	20	19	20	21	23	21	24	31	32	33	34	35	36	40	33	28	28	24	23	24	—	27	67	15	52
7	19	19	22	21	18	18	17	16	19	21	23	24	23	23	25	21	25	27	34	29	26	18	16	17	—	22	61	10	51
8	20	24	26	14	18	16	12	15	28	56	45	28	15	7	—	—	—	18	19	14	13	7	25	14	—	—	—	—	—
9	13	16	16	12	14	8	10	11	11	10	10	8	7	8	9	16	18	21	20	18	17	18	19	18	—	14	37	4	33
10	18	16	16	19	21	23	26	26	26	28	26	27	28	28	30	31	30	33	31	23	17	15	18	21	24	24	46	12	34
11	22	23	23	23	25	25	25	25	25	26	27	29	29	31	31	31	31	32	31	25	20	18	18	24	26	26	38	15	23
12	28	29	27	26	23	22	22	23	23	23	20	23	26	26	27	27	28	28	25	23	22	24	25	25	25	25	53	18	35
13	26	27	29	31	26	24	20	20	18	17	17	20	21	25	28	29	31	30	25	27	27	26	23	23	—	25	51	14	37
14	21	20	21	21	22	24	22	22	22	23	15	16	20	26	28	28	26	26	22	24	21	19	18	17	—	22	58	12	46
15	17	18	22	19	14	14	13	13	14	15	14	14	15	19	20	22	22	25	24	18	13	10	10	11	—	17	30	6	24
16	11	11	10	13	15	13	11	11	15	17	18	15	18	19	22	23	19	16	18	15	13	13	10	9	—	15	36	4	32
17	8	9	7	5	5	12	15	16	16	16	17	15	17	21	19	26	25	32	25	14	9	9	9	9	15	15	49	3	46
18	8	8	8	7	9	14	18	21	19	22	18	17	17	18	23	24	27	30	26	20	16	15	15	14	—	17	44	4	40
19	16	16	15	14	16	15	14	16	19	18	19	20	20	21	41	26	20	19	14	13	13	12	13	14	—	18	61	10	51
20	13	13	13	15	17	10	21	27	27	24	26	18	16	19	22	23	26	26	23	21	18	16	17	17	20	20	41	4	37
21	16	16	17	17	20	21	21	20	15	24	27	29	33	28	29	27	29	31	36	27	30	27	23	18	—	24	53	11	42
22	21	24	26	25	24	22	21	21	21	22	20	21	21	20	19	18	23	22	19	16	14	11	10	10	—	20	46	7	39
23	9	9	8	9	11	13	14	14	16	17	19	22	22	21	19	18	18	17	17	13	14	20	22	21	—	16	52	5	47
24	23	35	41	—	—	—	46	33	27	18	17	20	18	25	26	27	28	27	20	20	31	—	—	—	—	—	—	—	—
25	—	—	32	31	73	35	23	21	15	19	19	22	24	26	29	29	29	33	35	29	34	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	19	21	21	24	28	30	29	30	30	32	35	30	26	27	32	32	43	43	—	—	—	—	—
27	34	33	34	36	31	29	26	24	17	25	20	23	23	24	26	26	28	32	29	22	18	19	20	23	—	26	60	12	48
28	28	34	34	35	28	26	24	23	21	25	27	30	23	33	30	32	32	31	49	47	64	42	24	26	—	32	108	12	96
29	22	24	22	28	31	28	28	30	27	28	27	28	30	33	32	33	33	41	32	22	17	17	18	20	—	27	122	13	109
30	24	30	27	28	37	27	26	26	27	30	30	32	30	29	33	33	35	40	39	26	21	25	34	34	—	30	100	14	86
31	42	43	40	52	43	30	30	29	30	32	31	30	31	33	30	29	32	32	31	27	25	26	25	26	32	32	73	16	57
A	17	18	18	18	21	19	20	21	21	22	22	24	25	26	27	27	27	29	26	21	19	17	17	17	22				
N	18	20	20	20	21	19	19	20	20	22	22	22	22	24	26	27	27	28	27	22	21	19	19	19	22				

August 1999

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	26	27	32	34	30	32	27	27	25	26	25	26	28	27	27	28	28	29	34	25	22	24	25	29		—	28	98	19	79
2	24	24	22	21	21	23	23	23	24	21	25	28	30	31	32	33	31	38	28	22	18	19	21	21		—	25	87	14	73
3	22	22	21	23	22	22	21	20	18	17	20	22	24	26	26	30	27	29	24	20	19	20	21	22		22	22	62	13	49
4	50	47	25	25	25	29	19	17	18	20	22	23	24	25	26	26	27	29	26	20	19	23	23	32		—	26	61	12	49
5	23	21	19	17	17	28	18	18	19	20	20	22	21	22	23	26	29	28	17	20	21	21	24	25		—	22	64	4	60
6	27	28	27	27	26	24	21	21	22	22	23	22	22	22	19	19	22	26	24	19	16	16	18	20		—	22	53	11	42
7	16	15	17	14	13	20	22	25	26	24	23	27	30	30	30	29	32	31	29	25	22	19	21	25		—	24	98	7	91
8	25	25	30	28	33	30	28	28	27	31	33	27	29	28	28	26	32	36	35	39	38	33	37	32		—	31	110	19	91
9	35	26	34	—	—	—	39	33	31	29	29	26	30	33	25	34	35	35	40	44	35	43	45	51		—	—	—	—	—
10	48	43	35	28	31	30	27	26	22	21	19	22	26	31	27	25	30	49	47	—	—	—	49	49		—	—	—	—	—
11	42	36	28	33	35	35	26	26	25	26	23	25	27	28	29	29	28	27	32	34	36	37	34	41		—	31	105	16	89
12	41	32	24	21	26	25	20	20	18	17	15	13	16	20	19	17	25	28	24	24	28	27	29	31		—	23	57	10	47
13	37	48	48	52	51	36	32	22	23	23	22	21	19	17	15	16	15	16	16	16	17	19	23	42		—	27	128	10	118
14	—	—	—	—	—	—	51	33	27	52	26	21	19	19	24	23	21	21	19	22	40	47	47	48		—	—	—	—	—
15	—	—	—	—	—	—	—	22	22	21	23	26	33	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
16	—	—	—	—	—	—	—	—	45	35	25	21	19	19	20	21	22	25	30	38	—	—	—	—		—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	33	26	19	19	20	22	19	15	15	20	28	31	38	—	—		—	—	—	—	—
19	—	—	—	—	—	—	—	—	28	24	24	23	26	27	18	19	28	28	24	19	20	18	18	19		—	—	—	—	—
20	22	23	18	13	12	12	20	20	15	16	16	17	18	19	22	21	20	21	19	15	—	—	—	—		—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	35	28	29	29	—	17	11	17	17	14	15		—	—	—	—	—
22	30	32	27	25	22	17	15	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	35	33	30	28	31	33	29	28	24	29	16	12	10	11	11		—	—	—	—	—
24	10	10	9	11	8	11	12	14	17	21	21	21	20	20	22	22	23	17	16	13	13	13	13	15		—	16	38	5	33
25	14	14	13	14	14	17	20	23	28	29	31	34	35	37	33	34	34	23	13	14	15	17	16	16		—	22	53	7	46
26	13	13	15	14	13	13	20	16	22	26	33	28	27	28	27	27	28	21	16	15	16	17	20	21		—	20	43	6	37
27	21	19	19	16	17	19	20	17	18	15	14	20	23	24	22	18	16	18	17	16	16	17	18	18		—	18	29	10	19
28	18	18	17	13	13	15	18	18	19	19	20	20	22	23	26	22	25	30	29	28	28	25	22	18		—	21	40	9	31
29	15	15	19	20	22	25	30	30	30	31	29	26	22	24	24	31	35	36	25	18	17	15	11	15		—	24	46	7	39
30	20	22	24	18	19	18	24	27	29	30	33	29	28	26	20	25	29	25	17	11	9	10	12	12		—	22	46	7	39
31	12	14	14	13	10	10	12	16	17	19	16	13	14	17	18	19	18	19	18	16	17	18	16	16		—	16	28	5	23
A	29	27	25	23	23	24	26	22	21	23	23	22	23	24	25	24	25	26	26	21	22	23	26	30	24					
N	26	25	23	22	22	22	24	22	24	25	24	23	24	25	24	25	26	27	24	22	22	23	24	26	24					

September 1999 — 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	15	20	26	25	21	20	18	16	16	18	22	24	19	22	24	27	25	21	21	24	31	35	39	41		—	24	53	12	41
2	45	41	37	34	38	40	39	40	43	45	49	51	50	47	42	41	39	37	23	19	17	18	19	21		—	36	58	13	45
3	24	25	28	35	43	53	52	52	45	36	28	26	27	28	30	25	25	24	21	21	16	25	27	26		—	31	62	10	52
4	27	27	27	25	23	21	21	22	22	21	20	19	18	18	19	21	17	10	9	10	14	17	19	21		20	20	47	5	42
5	20	20	18	16	18	21	22	23	23	23	24	25	22	22	24	27	26	18	16	15	18	23	23	23		21	21	33	10	23
6	21	17	18	14	13	14	16	21	22	23	22	23	24	26	25	25	26	21	13	10	11	14	16	18		19	19	31	7	24
7	16	14	14	12	12	10	14	16	16	17	18	20	21	21	21	22	22	15	12	11	10	10	10	10		—	15	33	6	27
8	10	10	11	12	13	14	13	16	19	18	21	21	24	26	25	26	29	19	9	11	13	14	13	13		—	17	41	5	36
9	13	15	15	11	11	15	20	20	22	24	25	26	27	23	20	20	18	14	11	13	16	16	15	13		—	18	36	6	30
10	12	13	11	11	14	15	20	22	24	28	31	34	32	23	21	29	31	21	15	13	13	11	10	10		—	19	56	5	51
11	11	11	10	10	13	15	19	24	26	24	22	22	21	26	28	26	17	12	9	8	8	7	9	9		—	16	47	4	43
12	11	11	13	15	16	18	24	27	27	28	26	29	30	31	33	36	32	27	18	15	17	20	23	23		23	23	52	6	46
13	28	27	24	22	23	20	21	20	19	21	22	23	23	22	21	20	17	15	13	14	19	22	22	21		21	21	38	10	28
14	18	15	14	12	13	11	11	15	17	17	17	17	19	21	22	22	17	11	9	10	13	14	13	10		15	15	31	6	25
15	11	12	11	13	13	10	11	16	21	23	25	22	21	21	22	26	21	10	5	5	6	8	9	8		15	15	41	3	38
16	9	10	11	12	13	12	15	21	24	22	24	22	22	23	22	22	16	10	9	11	14	15	15	15		16	16	30	5	25
17	15	17	16	15	14	12	13	16	15	13	14	14	14	16	17	18	14	10	8	7	8	8	8	8		13	13	30	4	26
18	9	9	10	10	12	16	18	19	19	19	20	20	20	20	19	19	16	14	16	18	18	18	20	20		17	17	26	4	22
19	21	21	20	20	20	20	19	20	20	21	22	23	23	23	24	24	23	24	24	23	22	22	21	21		—	22	32	16	16
20	19	19	20	19	19	18	19	21	21	23	24	23	22	17	22	22	22	22	22	22	24	25	24	24		—	21	31	15	16
21	23	23	23	23	24	23	23	23	23	20	15	15	20	23	22	24	23	22	24	24	23	20	19	21		—	22	30	11	19
22	23	25	25	22	21	17	18	22	25	25	19	16	15	14	15	23	28	17	8	8	9	11	15	14		—	18	34	5	29
23	14	12	13	12	10	10	15	19	20	22	21	23	19	14	15	17	16	12	14	15	17	14	12	12		—	15	27	6	21
24	10	12	28	23	23	21	24	21	17	15	19	24	24	19	17	19	17	19	21	15	11	12	11	16		—	18	49	5	44
25	15	13	15	14	12	9	13	15	16	18	18	22	21	23	21	21	20	16	10	7	9	15	15	15		—	16	30	4	26
26	15	14	12	10	9	12	16	21	24	20	19	20	22	22	23	27	21	15	11	10	13	12	21	19		—	17	33	6	27
27	19	24	24	24	24	23	24	24	25	23	23	23	24	23	25	24	16	10	10	9	8	7	7	7		—	19	32	4	28
28	7	7	9	8	8	9	13	15	17	17	16	15	18	19	18	18	15	12	11	13	14	15	14	14		—	13	23	4	19
29	13	10	12	10	12	10	15	16	20	20	21	18	16	20	21	22	14	7	8	7	9	11	14	16		—	14	29	4	25
30	18	22	19	16	16	16	16	17	20	23	22	17	17	20	17	15	11	10	10	10	11	13	15	18		—	16	29	5	24
A	16	16	16	15	15	15	17	19	21	22	22	22	22	22	22	23	21	16	13	13	14	16	16	16		18				
N	17	17	18	17	17	18	19	21	22	22	22	23	23	22	23	24	21	17	14	13	14	16	17	17		19				

October 1999

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	20	20	17	17	14	13	17	24	27	20	16	19	18	17	18	28	30	25	21	27	28	27	28	33		—	22	38	8	30
2	31	27	28	18	15	17	21	23	22	21	17	16	16	16	18	15	13	18	19	17	16	16	16	15		—	19	37	10	27
3	16	15	17	19	18	20	21	22	22	20	18	18	18	18	21	20	17	19	19	19	19	21	23	24		—	19	30	12	18
4	28	28	32	30	28	27	29	24	25	21	20	19	19	19	23	24	14	13	15	12	12	13	13	12		—	21	42	7	35
5	12	13	15	13	12	12	11	12	15	19	19	17	14	17	11	14	10	7	7	8	10	11	12	15		—	13	25	3	22
6	16	10	15	7	10	12	13	11	10	12	14	15	15	13	12	10	10	11	10	9	9	13	16	16		—	12	23	4	19
7	18	18	17	17	18	16	17	16	19	19	23	23	19	19	18	15	18	10	6	4	5	5	4	6		—	15	28	3	25
8	8	9	8	7	4	5	5	9	11	13	16	19	21	17	18	17	17	14	14	17	18	18	18	17		—	13	25	3	22
9	16	17	17	17	17	16	15	14	13	15	18	18	24	23	19	17	19	18	24	36	31	29	29	32		—	21	46	8	38
10	29	30	30	31	33	32	31	29	26	25	25	25	25	23	24	22	21	20	21	20	19	20	19	19		—	25	44	15	29
11	21	21	22	21	23	18	15	15	14	18	17	14	18	18	19	18	19	18	20	21	16	17	16	12		—	18	32	7	25
12	12	12	14	13	16	18	19	19	18	15	15	15	14	13	14	16	17	17	17	19	19	22	22	21		—	17	39	7	32
13	21	21	20	20	20	20	20	18	17	19	21	22	21	21	20	18	19	19	18	18	21	26	29	35		—	21	42	13	29
14	—	—	—	—	—	—	—	—	—	—	—	—	—	41	48	30	18	14	8	7	9	9	9	11		—	—	—	—	—
15	14	17	20	16	15	13	11	11	11	16	18	18	16	16	16	16	12	8	7	10	13	12	11	12		—	14	29	5	24
16	15	14	16	16	19	18	22	21	24	24	20	13	15	15	13	19	12	7	5	7	6	8	10	13		—	15	52	4	48
17	14	16	18	21	20	18	17	16	17	15	13	17	17	17	18	15	14	12	10	10	10	8	7	8		—	15	30	4	26
18	11	10	9	9	9	8	7	9	8	10	13	14	14	14	13	14	9	—	—	—	—	—	—	—		—	—	—	—	—
19	5	4	5	6	5	5	6	12	16	23	26	28	24	21	13	14	13	10	8	8	9	13	15	16		—	13	41	3	38
20	20	23	26	25	22	18	15	18	20	22	24	22	18	17	16	13	6	5	4	4	4	5	9	15		—	15	42	3	39
21	20	22	22	19	16	13	13	13	13	15	18	18	19	19	18	15	12	13	15	17	19	21	22	22		17	17	35	5	30
22	23	22	21	20	18	17	16	18	19	19	18	16	15	14	13	14	15	17	18	18	20	22	24	25		18	18	29	10	19
23	26	25	25	25	24	21	19	21	21	20	19	18	18	16	14	14	14	15	17	19	19	20	20	20		—	20	30	11	19
24	19	20	21	20	21	20	20	21	21	22	22	21	20	21	24	23	22	22	23	23	24	23	23	24		—	22	31	17	14
25	25	25	25	24	23	22	20	19	20	21	21	21	21	21	16	16	13	15	17	17	19	20	23	25		—	20	33	10	23
26	25	20	18	17	15	16	20	21	21	22	22	22	23	22	23	14	9	12	10	14	20	25	24	24		—	19	35	7	28
27	27	22	22	24	23	24	22	21	20	19	20	22	19	23	21	20	19	21	19	21	21	21	26	31		—	22	53	9	44
28	30	26	23	22	22	18	20	19	17	19	18	16	16	16	18	19	17	17	14	12	15	15	15	16		—	18	39	8	31
29	17	17	17	17	13	10	10	12	12	16	21	21	22	22	19	21	14	8	7	6	5	5	4	5		—	13	30	3	27
30	5	4	4	4	4	4	4	5	4	6	8	11	12	12	11	7	5	6	5	5	4	4	5	6		—	6	16	3	13
31	7	8	8	8	8	8	9	11	13	16	18	21	21	23	25	24	24	26	29	27	26	27	25	25		—	18	37	4	33
A	17	17	17	18	17	16	19	19	18	18	17	17	18	18	17	15	13	15	14	14	14	15	14	17	16					
N	18	18	18	17	17	16	16	17	17	18	19	19	18	19	19	17	15	15	14	15	16	17	17	19	17					

November 1999

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	25	27	26	24	20	20	21	21	19	19	22	17	21	21	13	9	8	8	10	10	18	20	20		19	19	34	5	29
2	21	23	23	21	19	19	19	18	17	16	16	17	17	15	15	14	14	14	15	16	16	17	19	18		17	17	26	9	17
3	15	17	18	39	34	29	19	14	14	14	17	17	17	21	19	18	12	10	8	8	7	6	6	6		—	16	48	4	44
4	6	7	8	8	9	8	8	9	11	11	12	12	11	11	11	11	11	8	11	15	15	15	17	19		—	11	24	3	21
5	20	22	23	23	25	20	16	16	17	17	16	15	16	15	12	10	9	9	9	8	9	7	6	6		—	14	32	4	28
6	6	7	8	9	11	12	12	13	13	14	14	14	14	16	13	7	5	7	7	6	6	4	4	5		—	9	19	3	16
7	6	5	7	7	6	6	6	6	9	11	12	12	11	12	12	12	15	14	14	14	12	13	12	14		—	10	19	3	16
8	14	14	15	15	15	13	13	12	13	14	14	17	19	17	16	18	20	18	16	17	17	17	17	16		—	16	27	7	20
9	18	19	20	22	23	24	23	23	24	24	25	24	25	26	22	18	16	16	15	15	16	18	19	19		—	21	31	12	19
10	21	23	24	24	24	21	20	19	19	19	19	19	19	16	14	11	11	13	15	16	17	17	18	16		—	18	42	7	35
11	14	12	15	18	15	15	13	13	13	13	13	11	8	8	9	5	5	5	—	—	—	—	—	—		—	—	—	—	—
12	13	12	11	10	10	11	10	12	17	23	21	17	16	14	9	8	7	5	6	6	6	7	6	6		—	11	27	3	24
13	6	6	5	5	6	9	10	13	11	10	11	11	12	12	7	7	8	10	8	8	8	9	11	12		—	9	17	3	14
14	13	14	15	17	20	20	16	12	9	22	23	17	9	7	6	5	5	5	5	4	8	7	6	6		—	11	33	3	30
15	10	19	19	18	16	18	16	10	15	20	22	16	12	10	7	9	9	8	8	9	9	6	8	10		—	13	36	5	31
16	12	12	17	13	11	12	13	14	10	12	12	11	12	9	5	4	4	5	5	4	7	9	10	14		—	10	27	3	24
17	16	17	17	17	16	14	12	11	9	10	9	8	7	6	5	5	4	4	4	5	4	5	4	4		—	9	21	3	18
18	5	5	5	5	4	4	4	3	3	4	—	—	—	—	—	48	42	38	29	21	24	24	19	19		—	—	—	—	—
19	18	17	18	16	11	10	9	8	9	9	7	9	7	6	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42	35	30	27	25	25		—	—	—	—	—
22	24	24	24	22	22	20	21	22	29	37	31	33	33	34	25	22	24	27	34	58	—	—	—	—		—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	15	12	12	11	12	9	9	13		—	—	—	—	—
25	16	18	17	16	16	14	11	9	8	9	9	11	12	12	12	12	13	13	13	14	14	16	18	21		—	14	24	5	19
26	21	22	20	19	19	19	18	18	18	19	20	20	21	22	22	21	22	22	22	21	22	23	24	24		—	21	27	15	12
27	24	25	25	26	25	24	24	24	25	26	28	28	28	27	24	21	20	20	21	21	21	22	25	27		—	24	30	18	12
28	28	28	29	29	30	31	30	29	27	29	30	33	24	19	15	11	9	8	9	9	9	8	8	8		—	20	36	5	31
29	8	8	9	9	9	8	8	8	8	9	9	9	8	7	8	9	9	8	10	7	5	6	5	9		—	8	14	4	10
30	12	13	15	15	16	13	11	10	8	9	7	7	8	8	7	7	8	8	7	7	8	10	11	13		—	10	22	4	18
A	19	19	21	21	19	19	17	15	18	18	19	17	16	15	13	11	10	10	10	10	12	12	14	16		15				
N	15	16	17	17	17	16	15	14	15	16	17	16	15	15	13	13	13	12	14	14	12	13	13	14		15				

December 1999

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	15	18	20	23	25	25	23	21	21	20	18	18	18	16	18	18	17	18	20	20	18	17	24	29		—	20	34	5	29
2	31	36	35	36	35	34	30	22	18	18	17	17	18	16	20	15	20	20	14	16	19	19	14	15		—	22	53	6	47
3	21	24	28	30	31	30	20	18	17	19	16	17	17	14	11	11	8	7	6	10	12	15	17	23		—	18	36	3	33
4	26	42	46	33	29	25	27	23	23	24	22	21	23	20	14	15	15	15	16	14	12	10	13	15		—	22	53	6	47
5	14	13	14	13	12	11	10	8	5	8	11	11	10	11	10	9	8	5	4	5	5	6	6	8		—	9	17	3	14
6	11	11	13	12	9	8	9	12	12	12	13	11	11	13	16	8	6	6	7	8	8	8	7	11		—	10	20	4	16
7	13	15	14	13	15	13	14	14	15	14	15	14	15	14	16	15	14	13	14	15	14	14	16	15		—	14	23	9	14
8	13	15	15	18	21	22	22	24	29	26	24	23	22	20	20	18	18	18	16	15	17	16	17	17		—	19	33	7	26
9	16	16	14	12	11	11	10	10	12	11	11	11	12	11	9	8	9	10	9	9	9	9	10	11		—	11	20	5	15
10	11	12	13	13	14	13	11	9	10	9	9	11	10	10	7	5	6	4	4	4	5	5	5	6		—	9	23	3	20
11	8	9	8	9	10	9	8	6	7	8	9	9	7	7	8	8	—	4	4	5	6	6	8	8		—	—	—	—	—
12	8	9	10	12	14	15	19	22	22	23	21	19	18	16	14	15	17	19	20	20	21	22	22	22		—	18	28	6	22
13	24	26	27	31	30	28	18	13	20	20	19	21	20	24	23	20	21	22	18	19	18	19	17	18		—	22	49	6	43
14	14	11	9	8	7	6	6	5	5	6	7	7	7	9	9	9	8	8	11	9	11	9	11	11		—	8	20	4	16
15	13	15	12	13	9	8	8	7	12	14	15	15	15	13	12	16	15	15	17	19	18	17	19	19		—	14	24	5	19
16	20	21	24	25	25	22	19	19	18	18	13	10	11	14	12	11	8	7	8	11	13	12	12	15		—	15	33	4	29
17	15	18	23	22	17	23	12	13	15	12	11	10	10	8	8	6	6	8	6	7	8	9	11	12		—	12	30	4	26
18	13	14	18	19	20	14	13	14	15	16	16	16	13	13	13	15	14	16	14	14	13	13	13	14		—	15	53	8	45
19	15	19	17	19	19	18	17	13	13	16	15	13	13	14	10	6	6	5	6	5	6	11	14	15		—	13	26	4	22
20	15	16	17	16	15	15	13	12	8	10	12	21	21	22	22	21	16	18	15	11	12	11	13	13		—	15	36	5	31
21	14	15	15	15	15	16	18	14	13	13	13	13	13	13	10	9	10	10	11	10	9	8	8	8		—	12	25	5	20
22	8	9	11	10	10	9	11	12	12	12	12	12	12	10	14	10	11	11	12	11	11	11	11	12		—	11	18	6	12
23	11	11	14	15	13	12	14	12	11	13	13	12	12	12	10	8	9	9	10	10	10	10	11	11		—	11	17	6	11
24	12	12	13	13	12	10	10	10	9	9	10	11	11	10	9	8	8	8	8	9	9	10	11	11		10	10	15	6	9
25	12	13	15	14	15	15	15	14	14	13	13	13	12	12	12	12	14	13	13	14	14	14	13	16		—	14	20	4	16
26	9	15	16	14	13	13	14	17	15	16	15	15	12	11	9	9	10	10	9	10	12	13	18	15		—	13	24	3	21
27	19	24	28	28	31	28	19	15	13	12	12	12	12	11	10	9	9	11	14	14	13	13	16	17		—	16	40	7	33
28	18	18	19	18	14	11	9	7	9	10	11	9	9	8	5	5	5	7	6	7	7	8	8	9		—	10	25	4	21
29	10	11	12	13	14	13	12	13	10	10	9	8	8	8	8	7	7	8	10	10	15	17	15	14		—	11	27	5	22
30	13	14	16	17	22	24	25	23	20	19	19	18	18	17	18	16	15	11	12	12	12	12	9	9		—	16	31	5	26
31	8	8	8	9	10	9	9	7	9	11	12	12	11	11	10	10	10	10	9	9	10	11	12	10		—	10	16	4	12
A	13	13	13	15	15	14	13	10	12	12	13	13	13	12	10	8	9	9	9	10	11	10	12	12		12				
N	15	16	18	18	17	16	15	14	14	14	14	14	14	13	12	11	11	11	11	11	12	12	13	14		14				

Number of condensation nuclei per 1 cm^3 of air.
1999

January

Data	I	II	III	M
1	4000	7300	21100	10800
2	10900	15700	21000	15900
3	8000	10100	32000	16700
4	38000	27100	9100	24700
5	12600	8700	9400	10200
6	6200	12600	37000	18600
7	33000	13700	4500	17100
8	7300	16200	19600	14400
9	8400	8700	3900	7000
10	12600	13500	10900	12300
11	18200	12200	10200	13500
12	6100	16900	4500	9200
13	4500	8700	78000	30400
14	21000	26000	16900	21300
15	7000	12600	9400	9700
16	10900	18200	21100	16700
17	7100	10100	11700	9600
18	20300	26000	68500	38300
19	12600	39700	24500	25600
20	13600	18300	12200	14700
21	15600	19600	33500	22900
22	67500	19600	10900	32700
23	14600	10500	11300	12100
24	8900	12600	28000	16500
25	8700	13500	14100	12100
26	7400	13700	48000	23000
27	30000	21100	70500	40500
28	9800	18200	21000	16300
29	10100	12800	19600	14200
30	24300	11700	11400	15800
31	15900	39500	11800	22400
M	15300	16600	22800	18200

February

Date	I	II	III	M
1	7000	18200	10900	12000
2	7300	19600	8700	11900
3	3800	11700	16900	10800
4	6100	9400	4100	6500
5	2900	15800	9400	9400
6	3600	74000	30000	35900
7	9400	63500	44700	39200
8	11800	24000	11700	15800
9	17500	13500	22500	17800
10	54000	26000	78000	52700
11	22500	11700	22500	18900
12	11400	26000	7300	14900
13	4300	21100	13100	12800
14	5900	6100	11800	7900
15	16900	19600	8700	15100
16	28000	22500	6100	18900
17	5400	10900	11800	9400
18	57000	25600	23700	35400
19	18700	9400	30000	19400
20	11800	19600	10100	13800
21	8700	11700	11300	10600
22	10500	26000	36500	24300
23	10100	9400	7700	9100
24	6700	9400	9800	8600
25	5200	13700	13500	10800
26	8400	14600	13500	12200
27	8400	10100	14600	11000
28	16900	8000	48000	24300
M	13600	19700	19200	17500

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.
1999

March

Data	I	II	III	M
1	25200	8700	12600	15500
2	15600	22500	11800	16600
3	29000	11800	32500	24400
4	32000	10200	34500	25600
5	13000	51000	15100	26400
6	4700	5100	31000	13600
7	24500	24000	17500	22000
8	18200	12600	19600	16800
9	57000	11700	5900	24900
10	9000	13600	21000	14500
11	35500	7400	9000	17300
12	7300	13600	11800	10900
13	5800	5600	15100	8800
14	7300	6700	11900	8600
15	33000	11800	17500	20800
16	8000	11600	14600	11400
17	12600	9000	28000	16500
18	21700	15300	49500	28800
19	24200	78000	74000	58700
20	35500	36300	27000	32900
21	10100	5200	14000	9800
22	11700	8000	17700	12500
23	14500	8000	10100	10900
24	6700	-	57000	31900
25	15100	37000	57000	36400
26	10100	32500	48000	30200
27	28000	91500	109500	76300
28	16900	11300	22500	16900
29	51000	37000	38000	42000
30	26000	11400	65500	34300
31	20300	12600	60500	31100
M	20300	20700	31000	24000

April

Date	I	II	III	M
1	24500	7400	22500	18100
2	13700	16900	19600	16700
3	15900	6700	14600	12400
4	24000	187700	20400	77400
5	7400	7100	37000	17200
6	35500	9400	13200	19400
7	10200	11100	30000	17100
8	16800	9400	16400	14200
9	14600	34500	22500	23900
10	24500	18300	18300	20400
11	12200	6200	7400	8600
12	12600	10900	32500	18700
13	13500	19600	41000	24700
14	8000	13500	18200	13200
15	37000	38000	21000	32000
16	10900	82500	21100	38200
17	6200	10800	4700	7200
18	3600	3800	19300	8900
19	13500	7100	7700	9400
20	14600	13500	8700	12300
21	6700	14600	12600	11300
22	13700	11800	19600	15000
23	11400	8700	14600	11600
24	18300	9400	21000	16200
25	4000	8000	7300	6400
26	18200	9400	19600	15700
27	14600	7100	15200	12300
28	21100	6700	7300	11700
29	18200	16400	9400	14700
30	9400	26000	37000	24100
M	15200	21100	18700	18300

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.
1999

May

Data	I	II	III	M
1	9400	32000	14600	18700
2	3600	57000	10600	23700
3	7000	16900	19600	14500
4	10500	4300	8700	7800
5	14600	6400	7300	9400
6	10200	6200	11300	9200
7	48000	111000	21100	60000
8	26000	21100	30000	25700
9	4600	6700	7400	6200
10	21000	11700	54000	28900
11	22500	37000	4700	21400
12	7100	6500	5600	6400
13	11700	7700	21800	13700
14	7300	5900	16900	10000
15	7700	10900	6700	8400
16	8700	4300	10100	7700
17	13500	4700	4700	7600
18	14100	6200	14100	11500
19	30000	54000	37000	40300
20	25500	12200	23500	20400
21	13700	6200	28000	16000
22	18300	28000	20300	22200
23	4300	5600	15100	8300
24	21800	34500	9100	21800
25	25000	39500	23500	29300
26	13600	7100	8700	9800
27	54000	54000	26000	44700
28	19600	48000	28000	31900
29	18200	82500	24000	41600
30	6700	16900	9400	11000
31	5100	26000	9100	13400
M	16200	24900	17100	19400

June

Date	I	II	III	M
1	9400	8000	18200	11900
2	10200	54000	16900	27000
3	5900	29200	5100	13400
4	8700	15900	16900	13800
5	10200	10200	13500	11300
6	4000	13100	8700	8600
7	10600	13700	11700	12000
8	15900	80000	18900	38300
9	14600	18200	12600	15100
10	7100	6700	15600	9800
11	15900	8000	11800	11900
12	7000	5200	10100	7400
13	2800	8700	4500	5300
14	3500	5600	2600	3900
15	13300	6700	17600	12500
16	7400	8700	26100	14100
17	5600	8400	10100	8000
18	6700	9400	11800	9300
19	8700	19600	9400	12600
20	4300	3600	4000	4000
21	18300	10200	16900	15100
22	6200	5400	4700	5400
23	7400	10100	10900	9500
24	12200	15600	22500	16800
25	7300	11800	10900	10000
26	10100	17600	13500	13700
27	10500	4700	18300	11200
28	26000	21100	18900	22000
29	12600	84300	21100	39300
30	12200	6100	8400	8900
M	9800	17300	13100	13400

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.
1999

July

Data	I	II	III	M
1	12200	10900	11700	11600
2	12600	9800	16400	12900
3	12600	13500	14600	13600
4	12200	16200	8700	12400
5	17600	70500	19800	36000
6	12600	5200	8700	8800
7	7700	10100	10100	9300
8	15500	7700	7300	10200
9	12200	5900	9400	9200
10	9400	5100	6300	6900
11	4900	5200	10900	7000
12	10100	26000	21000	19000
13	45000	60500	17800	41100
14	26000	54000	15900	32000
15	12600	43900	14100	23500
16	26000	70500	13200	36600
17	12200	26000	6700	15000
18	9800	43700	11700	21700
19	34500	20400	18900	24600
20	13700	68300	21800	34600
21	18200	18900	11800	16300
22	14100	22500	23300	20000
23	35000	12600	10200	19300
24	6100	19600	14600	13400
25	6700	21000	9400	12400
26	28000	8000	6700	14200
27	12200	28000	15100	18400
28	10500	8400	5900	8300
29	16900	9400	12200	12800
30	11800	5600	6700	8000
31	7300	8700	11800	9300
M	15700	23700	12700	17400

August

Date	I	II	III	M
1	10100	4500	6700	7100
2	13100	5600	9400	9400
3	18200	5600	7100	10300
4	18300	12800	10900	14000
5	28000	9500	19600	19000
6	29000	10100	16200	18400
7	16800	11800	14600	14400
8	8500	6700	9100	8100
9	15200	10200	15900	13800
10	23100	46100	24500	31200
11	15900	18900	10100	15000
12	18300	51000	10200	26500
13	15600	42500	21100	26400
14	8700	19600	19600	16000
15	8700	11800	18300	13000
16	13200	13700	15600	14200
17	26000	11800	12600	16800
18	10200	13700	24000	16000
19	24500	15900	9400	16600
20	67000	32000	19600	39500
21	19600	7300	13700	13500
22	4100	35500	15700	18400
23	14100	9100	12200	11800
24	29000	8000	19600	18900
25	12900	4700	16900	11500
26	16400	18300	24000	19600
27	14600	15900	21000	17200
28	4400	6200	6200	5600
29	7000	9600	18400	11700
30	9800	10900	21100	13900
31	28000	101000	22500	50500
M	17700	18700	15700	17400

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.
1999

September

Data	I	II	III	M
1	14600	8400	16900	13300
2	7400	9400	8700	8500
3	10100	12600	21100	14600
4	12600	15100	49500	25700
5	10900	7700	15700	11400
6	28000	8700	18900	18500
7	18200	19600	34500	24100
8	60000	10900	13100	28000
9	10900	5600	45000	20500
10	10100	4700	12200	9000
11	12200	4300	25000	13800
12	13100	7300	10500	10300
13	14700	8700	19600	14300
14	25300	8000	10200	14500
15	48000	21100	32000	33700
16	34500	6700	20400	20500
17	21100	24500	26000	23900
18	9400	10100	11800	10400
19	4400	4300	5600	4800
20	8400	9800	7300	8500
21	13100	89000	16900	39700
22	18900	42000	67000	42600
23	21800	13500	57000	30800
24	18200	11800	21100	17000
25	26000	28000	30000	28000
26	16900	32000	15900	21600
27	10200	11800	74000	32000
28	46500	48000	54000	49500
29	74500	12600	82500	56500
30	22500	22500	15600	20200
M	21400	17300	27900	22200

October

Date	I	II	III	M
1	60500	37000	15600	37700
2	34500	45300	42500	40800
3	11800	45000	18200	25000
4	7700	18200	16900	14300
5	14600	11800	14100	13500
6	11700	13700	10900	12100
7	24300	5600	19600	16500
8	24500	9400	64000	32600
9	12800	6200	5400	8100
10	5200	11800	10100	9000
11	24000	11700	9800	15200
12	11700	29000	16900	19200
13	9400	10200	11800	10500
14	9400	11800	22500	14600
15	16900	28000	28000	24300
16	13700	10900	21100	15200
17	7700	11800	15200	11600
18	16200	19600	32500	22800
19	38300	10100	16600	21700
20	35000	6200	16900	19400
21	15900	15400	9400	13600
22	24500	21100	9400	18300
23	10200	10500	9400	10000
24	5100	6700	7100	6300
25	13500	11500	22500	15800
26	6900	9400	26000	14100
27	5600	13700	14600	11300
28	17600	8700	15600	14000
29	18300	16200	42500	25900
30	22500	19600	18300	20100
31	10900	6100	4300	7100
M	17400	15900	19000	17400

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.
1999

November

Data	I	II	III	M
1	9400	10100	15900	11800
2	49000	21100	48000	39400
3	15100	13500	16200	14900
4	9100	8700	21000	12900
5	15600	8700	46000	23400
6	16400	19600	45000	27000
7	22500	16900	11900	17100
8	15100	10100	9100	11400
9	9800	14900	9400	11400
10	10900	16900	21100	16300
11	8400	11700	29000	16400
12	8700	9400	16900	11700
13	7400	13500	18200	13000
14	3600	11700	16400	10600
15	8400	29000	10500	16000
16	8000	11400	29500	16300
17	7000	16900	38000	20600
18	12200	27000	19600	19600
19	7400	15600	35000	19300
20	4900	5100	12600	7500
21	7400	10100	14600	10700
22	6700	21000	25000	17600
23	7300	18900	7000	11100
24	9800	10800	11800	10800
25	16900	15700	16900	16500
26	22500	22500	45000	30000
27	19600	15600	22500	19200
28	7300	12600	26000	15300
29	18200	25000	21800	21700
30	21800	58500	14600	31600
M	12900	16800	22500	17400

December

Date	I	II	III	M
1	5400	6700	4700	5600
2	4300	6700	10100	7000
3	4500	6100	9800	6800
4	5000	9100	8700	7600
5	19700	8700	17100	15200
6	16900	7100	16900	13600
7	4500	8400	7300	6700
8	5000	6100	8700	6600
9	13600	13700	14100	13800
10	10200	26000	39500	25200
11	11800	24500	14600	17000
12	8000	11700	8700	9500
13	10500	17700	10200	12800
14	54000	18200	13500	28600
15	21800	7400	6700	12000
16	5400	15200	12200	10900
17	13600	19600	18300	17200
18	4500	6200	7700	6100
19	6700	8700	19600	11700
20	8700	8000	10500	9100
21	10100	18900	16900	15300
22	8700	10900	9100	9600
23	7300	16900	19600	14600
24	14600	26000	18200	19600
25	6100	39500	10900	18800
26	5200	5900	10600	7200
27	3000	7300	4200	4800
28	16400	15600	11800	14600
29	4300	11700	12200	9400
30	3800	10100	8400	7400
31	12600	7000	7300	9000
M	10500	13100	12500	12000

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

Meteorological elements January 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	112.6	110.3	108.2	110.4	-2.3	0.4	-2.6	-1.8	0.9	-3.0	3.9	-7.5	4.4	4.4	4.5	4.4	86	69	90	83	E 2	SE 3	ESE 1	2.0
2	105.2	103.5	102.4	103.7	-4.4	1.5	-1.1	-2.0	2.3	-4.8	7.1	-7.6	3.8	5.0	5.2	4.7	87	73	91	84	SSE 1	SSE 2	SE 2	1.7
3	100.7	100.4	99.1	100.1	-0.6	3.7	-1.1	-0.1	3.8	-2.5	6.3	-6.6	5.0	5.9	5.2	5.4	85	74	92	84	S 2	SW 2	SE 1	1.7
4	100.7	103.3	104.1	102.7	-3.0	2.3	3.7	0.2	3.7	-3.5	7.2	-8.4	4.9	6.4	7.1	6.1	99	89	89	94	S 1	S 2	SSW 2	1.7
5	103.4	103.3	102.2	103.0	5.4	10.1	8.8	6.7	9.9	2.6	7.3	-2.0	8.3	10.0	10.6	9.6	93	81	94	90	WSW 1	SW 2	WSW 2	1.7
6	101.7	100.5	99.3	100.5	8.4	10.9	6.8	8.2	10.9	6.8	4.1	0.5	9.6	9.9	8.3	9.3	87	76	84	84	W 2	SW 2	S 1	1.7
7	89.5	85.4	86.9	87.3	4.1	9.0	5.9	5.8	9.8	3.6	6.2	-1.8	6.5	6.9	7.2	6.9	79	60	78	74	S 1	W 2	W 4	2.3
8	91.4	90.2	88.3	90.0	1.9	3.5	1.7	2.3	5.9	-0.2	6.1	-4.5	6.8	6.5	6.8	6.7	97	83	98	94	W 1	SW 1	SE 1	1.0
9	86.7	89.5	93.1	89.8	0.3	1.1	-0.5	0.2	1.8	-0.8	2.6	-1.1	5.9	6.0	5.3	5.7	95	91	91	93	C 0	NNW 1	NNW 1	0.7
10	101.9	105.6	110.7	106.1	-4.7	-0.6	-3.2	-3.2	0.5	-5.3	5.8	-11.5	4.2	4.8	4.5	4.5	98	81	93	92	NNW 1	W 2	NNW 1	1.3
11	112.1	108.5	102.9	107.8	-4.6	-1.8	-2.0	-3.3	-1.6	-5.1	3.5	-7.7	4.0	3.8	4.9	4.2	91	72	92	86	WSW 2	E 6	ESE 4	4.0
12	93.0	93.5	96.0	94.2	0.6	3.7	0.0	0.5	3.7	-2.3	6.0	-3.0	5.8	6.4	5.2	5.8	91	80	86	87	SE 2	SW 3	SW 4	3.0
13	94.5	94.6	94.8	94.6	-1.7	0.0	-5.4	-3.2	0.0	-5.7	5.7	-10.7	4.1	3.8	3.6	3.8	76	62	88	76	SSW 2	SE 1	SE 1	1.3
14	93.9	92.3	91.5	92.6	-2.4	2.7	0.9	-1.3	2.8	-6.6	9.4	-11.1	4.8	5.6	5.8	5.4	94	76	90	88	S 1	S 2	S 2	1.7
15	95.4	93.3	97.7	95.5	1.6	1.3	1.7	1.6	2.7	0.4	2.3	-1.1	5.9	6.2	6.3	6.1	86	93	92	89	WSW 2	SW 3	SW 1	2.0
16	99.8	100.8	99.8	100.1	2.5	4.9	3.5	2.6	5.4	-0.8	6.2	-5.1	7.0	7.1	6.8	7.0	95	82	86	90	S 1	SE 2	ESE 2	1.7
17	103.9	105.8	107.6	105.8	1.2	6.4	2.5	2.4	6.9	-0.9	7.8	-2.1	5.4	6.2	5.9	5.8	81	65	81	77	SSE 2	SSE 2	SSE 2	2.0
18	111.0	111.9	113.4	112.1	-1.0	4.1	-1.3	0.1	4.1	-1.5	5.6	-4.8	5.2	6.3	5.4	5.6	92	77	97	90	SSE 1	SW 1	C 0	0.7
19	115.4	114.8	115.3	115.2	-2.8	-0.2	-1.3	-1.9	0.0	-3.4	3.4	-5.7	4.9	5.9	5.1	5.3	99	98	91	97	C 0	SE 1	SSE 1	0.7
20	115.7	115.1	115.5	115.4	-1.7	-1.1	-1.4	-1.6	-1.1	-2.1	1.0	-2.3	5.2	5.3	5.2	5.2	96	93	95	95	S 2	SSE 2	SSE 2	2.0
21	114.7	112.6	111.8	113.0	-3.9	0.3	-0.8	-2.0	1.0	-4.1	5.1	-5.7	4.3	6.0	5.4	5.2	94	96	94	94	SSE 1	SSE 1	SSE 1	1.0
22	110.3	110.0	112.9	111.1	-4.2	0.7	0.5	-1.9	0.8	-4.8	5.6	-7.8	4.3	6.2	6.0	5.5	96	96	95	96	C 0	W 2	NW 1	1.0
23	113.4	113.6	112.1	113.0	-0.2	0.1	-0.7	-0.3	0.7	-1.0	1.7	-1.6	5.6	5.4	4.6	5.2	93	87	79	88	WSW 1	WSW 1	SW 1	1.0
24	108.5	107.5	106.6	107.6	0.5	2.1	-0.2	0.4	2.5	-1.0	3.5	-3.6	5.9	6.3	5.5	5.9	93	88	91	91	WSW 1	S 3	S 1	1.7
25	107.2	104.1	98.8	103.4	2.9	4.9	5.2	3.1	5.1	-0.7	5.8	-4.1	6.7	6.8	7.2	6.9	89	78	81	84	SW 1	SW 2	S 3	2.0
26	94.1	94.2	94.4	94.2	6.2	6.3	2.0	4.4	7.4	1.9	5.5	-1.6	8.9	9.0	6.8	8.2	94	94	97	95	W 2	W 2	SW 1	1.7
27	91.6	90.3	91.6	91.2	-1.1	0.9	-0.6	-0.3	2.0	-1.5	3.5	-4.6	5.2	6.1	5.4	5.6	92	93	92	92	S 1	SW 1	SE 1	1.0
28	91.0	92.3	91.5	91.6	-0.3	0.3	-0.7	-0.7	0.6	-2.5	3.1	-7.1	5.4	4.6	5.0	5.0	91	74	86	86	NW 1	W 2	C 0	1.0
29	100.0	104.9	108.8	104.6	-10.2	-6.0	-9.4	-7.8	-0.7	-11.0	10.3	-15.0	2.1	1.8	1.8	1.9	76	46	61	65	N 1	N 3	NNW 1	1.7
30	113.0	114.2	119.0	115.4	-13.9	-6.1	-8.5	-10.7	-5.0	-15.4	10.4	-18.8	1.8	3.5	2.6	2.6	87	90	81	86	C 0	N 2	E 1	1.0
31	122.4	121.3	120.3	121.3	-16.9	-9.0	-7.8	-12.8	-8.1	-18.2	10.1	-22.0	1.3	2.0	3.0	2.1	80	65	88	78	NW 1	W 3	NW 1	1.7
M	103.0	102.8	103.1	103.0	-1.4	1.8	-0.2	-0.5	2.5	-3.0	5.5	-6.3	5.3	5.8	5.6	5.5	90	80	88	87	1.2	2.1	1.5	1.6

Meteorological elements February 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	114.8	113.8	112.9	113.8	-5.8	-4.2	-2.8	-5.4	-2.8	-10.1	7.3	-14.5	3.5	4.1	4.6	4.1	88	92	93	90	W 2	NW 3	W 2	2.3
2	111.4	111.8	111.9	111.7	-0.2	1.3	0.8	-0.2	1.4	-3.0	4.4	-3.3	5.7	6.2	6.1	6.0	94	93	95	94	WNW 2	NW 2	NW 1	1.7
3	109.9	103.1	103.2	105.4	0.1	1.7	2.6	1.4	2.9	-0.1	3.0	-0.6	5.8	6.6	6.4	6.3	95	95	87	93	W 2	NW 3	NW 3	2.7
4	102.8	94.8	85.8	94.5	1.3	3.3	6.7	3.8	6.8	0.5	6.3	-1.0	6.2	7.4	9.1	7.6	93	95	93	94	WSW 2	SSW 2	WSW 4	2.7
5	73.4	70.2	70.6	71.4	3.6	1.5	1.7	3.2	7.3	0.1	7.2	-0.6	5.6	5.7	5.3	5.5	71	83	77	76	W 6	NW 7	SW 4	5.7
6	70.4	77.8	80.9	76.4	1.7	-2.2	-2.8	-0.6	1.9	-3.4	5.3	-8.2	5.0	3.1	3.8	4.0	72	60	77	70	SW 5	W 5	SSW 1	3.7
7	84.5	84.9	85.1	84.8	-4.8	-1.0	-5.0	-4.1	-0.2	-6.4	6.2	-11.6	3.0	2.9	2.7	2.9	69	51	65	64	W 1	WSW 1	E 2	1.3
8	83.3	84.0	84.9	84.1	-5.6	-1.3	-1.4	-3.4	-0.9	-5.9	5.0	-10.2	3.5	4.2	4.6	4.1	88	76	84	84	NW 1	NW 2	SW 2	1.7
9	85.6	87.3	88.7	87.2	-6.0	0.4	-2.8	-4.0	0.6	-7.6	8.2	-15.2	3.6	3.9	3.6	3.7	92	63	72	80	S 1	SW 2	SW 1	1.3
10	93.2	94.6	98.3	95.4	-11.0	-2.0	-7.2	-7.7	-1.1	-11.4	10.3	-16.9	2.4	3.8	3.2	3.1	90	71	91	86	C 0	S 2	E 1	1.0
11	101.0	103.9	106.8	103.9	-8.4	-3.8	-7.8	-7.4	-3.3	-10.1	6.8	-14.6	2.9	3.0	3.0	3.0	90	65	88	83	C 0	N 1	NW 1	0.7
12	111.1	111.9	111.4	111.5	-8.2	-2.7	-3.2	-5.7	-2.5	-8.9	6.4	-10.5	2.3	2.0	3.1	2.5	69	40	65	61	N 2	N 3	N 4	3.0
13	113.1	113.2	114.5	113.6	-2.2	0.6	-2.8	-2.3	0.6	-4.8	5.4	-5.2	4.6	3.7	4.2	4.2	88	58	85	80	N 2	NE 3	E 3	2.7
14	114.8	114.1	112.7	113.9	-2.5	-0.8	-1.6	-2.0	-0.7	-3.0	2.3	-3.6	4.1	4.5	4.3	4.3	80	77	80	79	E 1	NNW 1	NNW 1	1.0
15	109.6	108.8	107.5	108.6	-2.2	-0.6	-2.6	-2.0	-0.1	-2.9	2.8	-3.1	4.8	4.8	4.1	4.6	92	81	82	87	W 2	W 2	W 2	2.0
16	95.4	87.0	81.6	88.0	-2.7	-1.0	-0.6	-2.2	-0.5	-4.8	4.3	-6.6	3.8	5.0	5.5	4.8	76	88	94	84	SSE 2	S 3	SSW 3	2.7
17	81.3	77.2	83.4	80.6	-1.5	1.3	-3.6	-1.9	1.4	-4.0	5.4	-3.1	4.8	5.6	4.3	4.9	87	83	91	87	S 2	SSW 4	SSW 1	2.3
18	90.4	95.0	99.7	95.0	-8.1	-1.8	-4.6	-6.0	-1.5	-9.6	8.1	-15.2	3.1	5.1	4.2	4.1	92	94	96	94	C 0	C 0	C 0	0.0
19	102.6	103.5	101.6	102.6	-5.0	0.9	-1.6	-2.6	1.4	-5.3	6.7	-11.6	3.8	5.1	4.5	4.5	91	79	83	86	C 0	SSW 1	SSE 1	0.7
20	92.6	94.1	95.4	94.0	-1.4	1.9	1.3	-0.4	1.9	-3.6	5.5	-11.1	5.4	6.2	5.6	5.7	99	88	83	92	SSE 2	WSW 2	W 1	1.7
21	94.4	92.2	88.5	91.7	0.9	2.5	1.1	1.4	3.3	0.5	2.8	-1.1	6.2	6.7	5.9	6.3	95	92	90	93	WSW 1	WSW 2	S 2	1.7
22	77.1	76.9	78.7	77.6	0.8	2.9	-0.6	0.6	2.9	-0.8	3.7	-5.8	6.0	6.9	5.3	6.1	93	92	90	92	SSE 3	SE 1	SSW 1	1.7
23	79.3	78.7	77.9	78.6	0.1	2.4	0.5	0.4	3.4	-2.2	5.6	-8.6	5.3	5.3	5.7	5.4	86	73	89	84	W 2	W 3	W 1	2.0
24	82.2	85.0	87.4	84.9	-0.2	0.0	-0.7	-0.3	0.8	-1.0	1.8	-2.1	5.7	4.4	5.2	5.1	94	72	90	88	W 3	W 4	SW 2	3.0
25	90.5	94.5	97.6	94.2	-1.5	0.3	-0.2	-0.6	1.5	-2.0	3.5	-5.1	5.1	4.8	4.2	4.7	93	78	70	84	WSW 4	NW 3	WSW 3	3.3
26	98.8	98.8	98.5	98.7	1.2	1.1	1.3	0.8	1.3	-0.9	2.2	-6.2	5.4	5.8	6.2	5.8	81	88	93	86	W 2	W 3	SW 2	2.3
27	100.7	102.3	101.5	101.5	2.9	5.1	3.5	3.3	5.5	1.2	4.3	-0.1	7.3	8.1	7.5	7.6	97	93	95	96	W 2	SSW 1	S 2	1.7
28	102.9	105.2	109.4	105.8	1.5	7.0	1.7	2.8	8.4	-0.6	9.0	-2.6	6.5	7.6	6.6	6.9	95	76	95	90	S 1	SW 3	SE 1	1.7
M	95.3	95.2	95.6	95.3	-2.3	0.5	-1.1	-1.5	1.4	-3.9	5.3	-7.1	4.7	5.1	5.0	4.9	87	81	86	85		1.9		2.5		1.9	2.1

Meteorological elements March 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	104.1	100.3	93.0	99.1	-0.4	6.7	5.3	2.6	6.6	-0.9	7.5	-3.6	5.5	6.0	6.7	6.1	93	6.2	76	81	S	1	SW	3	SW	3	2.3
2	92.0	93.0	82.6	89.2	2.7	4.7	1.7	3.1	6.4	1.6	4.8	-2.1	6.1	5.5	5.0	5.5	82	64	72	75	W	2	WNW	2	W	1	1.7
3	89.6	88.8	88.5	89.0	0.7	5.7	7.9	3.9	9.1	-2.4	11.5	-4.3	6.0	8.5	9.9	8.1	93	93	93	93	SE	1	S	2	S	1	1.3
4	89.6	87.4	86.1	87.7	4.2	11.6	7.7	6.9	11.8	3.8	8.0	0.4	7.7	9.3	8.6	8.5	94	68	82	84	S	2	SE	2	E	2	2.0
5	85.6	83.7	82.6	84.0	6.7	16.2	9.6	9.7	16.6	6.0	10.6	1.4	7.9	7.6	9.8	8.4	81	41	82	71	S	3	S	5	S	1	3.0
6	83.0	87.7	91.2	87.3	4.7	9.4	3.1	5.2	10.5	2.7	7.8	-3.0	7.4	6.1	5.0	6.2	87	52	66	73	SW	2	SW	3	C	0	1.7
7	97.1	96.6	96.2	96.6	-1.6	10.3	6.8	3.6	11.3	-2.1	13.4	-5.2	5.2	7.2	7.7	6.7	96	58	78	82	C	0	S	3	ESE	2	1.7
8	96.2	97.0	100.3	97.8	2.4	9.0	2.3	4.0	9.2	1.9	7.3	-2.6	6.5	6.1	5.2	5.9	90	53	73	76	E	2	ESE	3	W	1	2.0
9	102.2	102.0	101.2	101.8	0.1	3.3	2.6	1.2	4.9	-3.0	7.9	-6.0	5.7	6.6	6.1	6.1	93	86	82	88	C	0	ESE	3	E	3	2.0
10	100.0	101.4	100.0	100.5	1.9	4.3	3.5	3.1	5.5	1.5	4.0	0.1	6.4	6.9	7.0	6.8	92	84	89	89	E	1	S	1	E	1	1.0
11	90.7	97.4	104.7	97.6	4.5	1.7	-0.5	1.9	4.6	-0.9	5.5	-1.2	7.9	5.9	5.3	6.4	94	85	90	91	W	3	SW	2	NW	2	2.3
12	108.5	110.0	110.8	109.8	-2.2	0.7	-0.4	-1.1	1.1	-2.8	3.9	-5.3	4.5	4.6	4.6	4.6	86	72	78	80	W	1	W	3	W	2	2.0
13	110.8	112.9	114.8	112.8	-1.2	-0.2	-0.2	-0.7	0.4	-1.7	2.1	-2.1	4.8	3.8	4.7	4.4	86	64	78	78	NE	2	N	3	N	1	2.0
14	116.3	117.7	118.2	117.4	-1.2	1.5	0.5	-0.5	1.5	-2.7	4.2	-7.7	5.2	4.3	4.7	4.7	92	63	74	80	NW	1	S	1	SW	1	1.0
15	116.5	116.2	117.5	116.7	-0.1	0.7	0.0	0.1	0.9	-0.5	1.4	-1.5	4.4	4.3	4.8	4.5	73	67	78	73	ESE	1	E	3	ENE	2	2.0
16	121.3	121.2	122.3	121.6	-0.8	4.2	3.0	1.4	4.5	-1.1	5.6	-1.6	4.5	4.7	4.4	4.5	77	57	58	67	ENE	1	ENE	3	NE	2	2.0
17	124.0	122.6	121.8	122.8	-2.4	6.0	0.0	0.0	6.6	-4.0	10.6	-7.1	4.0	4.3	4.3	4.2	78	46	71	68	C	0	E	2	E	1	1.0
18	119.7	116.9	113.3	116.6	-5.0	6.8	0.5	-0.9	7.3	-6.5	13.8	-10.1	3.8	4.0	4.0	3.9	91	41	63	72	C	0	SE	2	E	1	1.0
19	109.5	106.9	106.6	107.7	-4.2	7.8	0.5	-0.4	8.4	-6.1	14.5	-10.2	3.7	2.9	2.9	3.2	83	27	47	60	C	0	SE	3	SE	1	1.3
20	104.8	103.0	102.5	103.4	-4.8	9.6	3.1	0.3	9.9	-6.9	16.8	-10.1	4.0	2.8	5.8	4.2	93	24	77	72	SSE	1	S	2	WSW	1	1.3
21	99.3	97.6	96.9	97.9	0.9	3.9	2.6	2.3	5.4	0.4	5.0	-4.1	5.8	6.7	6.6	6.4	90	83	90	88	SW	1	SW	2	C	0	1.0
22	95.6	94.4	93.3	94.4	0.0	7.7	6.5	3.7	9.7	-1.5	11.2	-4.4	5.7	7.4	7.7	6.9	93	70	80	84	C	0	S	2	S	1	1.0
23	92.8	93.1	91.2	92.4	2.8	6.7	4.2	4.0	8.0	1.1	6.9	-3.6	7.0	7.0	6.5	6.8	94	72	79	85	SE	1	SSW	2	S	2	1.7
24	95.8	101.5	104.3	100.5	1.1	4.3	-1.2	0.6	4.3	-1.6	5.9	-5.3	4.9	5.7	4.7	5.1	74	69	85	76	W	3	W	3	C	0	2.0
25	102.5	100.2	98.7	100.5	2.2	16.2	10.9	7.0	16.9	-2.0	18.9	-5.8	5.5	7.0	7.2	6.6	77	38	55	62	SSE	3	SSE	3	SSE	2	2.7
26	96.2	94.7	94.2	95.0	7.2	18.2	14.0	11.2	19.1	4.7	14.4	0.7	7.3	8.0	7.0	7.4	72	38	44	56	SSE	2	SE	5	SE	2	3.0
27	94.7	93.4	93.2	93.8	8.0	20.4	14.0	12.0	20.4	5.7	14.7	1.3	7.6	7.1	8.5	7.7	71	30	53	56	SE	2	S	5	ESE	2	3.0
28	95.3	94.1	97.4	95.6	7.6	18.4	9.8	10.2	18.4	5.2	13.2	-2.4	7.9	7.6	8.2	7.9	75	36	68	64	SSE	1	ENE	2	C	0	1.0
29	102.9	104.4	106.1	104.5	3.7	16.2	10.2	7.9	16.9	0.7	16.2	-2.6	7.3	8.2	7.0	7.5	92	44	56	71	C	0	SSE	3	C	0	1.0
30	109.8	109.1	108.4	109.1	4.1	16.2	9.2	8.0	18.4	0.5	17.9	-3.6	7.8	5.8	7.8	7.1	95	32	67	72	C	0	S	1	C	0	0.3
31	110.7	110.1	109.4	110.1	2.6	18.0	10.0	7.6	18.5	-0.5	19.0	-5.1	6.5	3.7	6.5	5.6	89	18	53	62	C	0	ENE	2	NNE	1	1.0
M	101.8	101.8	101.5	101.7	1.4	8.6	4.7	3.8	9.4	-0.4	9.8	-3.8	6.0	6.0	6.3	6.1	86	56	72	75		1.2		2.6		1.3	1.7

Meteorological elements April 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	112.1	108.9	107.7	109.6	3.5	17.7	10.1	7.8	18.4	-0.7	19.1	-5.6	6.0	5.7	6.3	6.0	77	28	51	58	NNW 1	NNE 2	C 0	1.0
2	107.5	106.1	105.9	106.5	6.3	17.2	10.4	9.5	17.8	3.5	14.3	-2.6	6.6	4.8	4.3	5.2	69	25	34	49	N 3	N 4	N 1	2.7
3	108.2	107.9	107.1	107.7	3.1	18.2	10.8	7.7	18.5	-1.6	20.1	-6.3	6.5	7.7	7.4	7.2	86	37	57	66	NW 1	NW 3	NNW 3	2.3
4	108.9	107.2	106.3	107.5	0.3	17.8	11.8	7.2	18.9	-2.0	20.9	-5.1	6.0	7.1	7.7	6.9	96	35	56	71	C 0	NW 3	WNW 1	1.3
5	112.9	113.3	111.9	112.7	5.6	14.0	7.6	8.0	15.0	3.6	11.4	-1.1	6.3	6.6	6.4	6.4	69	41	62	60	E 3	SW 3	C 0	2.0
6	108.6	105.8	102.8	105.7	4.9	12.8	12.0	7.6	13.3	0.0	13.3	-4.9	7.5	13.0	12.6	11.0	87	88	90	88	S 1	W 2	W 3	2.0
7	95.4	95.9	95.0	95.4	12.0	15.8	11.4	12.2	17.1	8.1	9.0	2.9	12.6	9.1	8.0	9.9	90	50	59	72	SW 2	W 2	SSW 1	1.7
8	98.5	101.5	104.0	101.3	8.3	12.0	9.7	9.3	12.5	6.7	5.8	2.4	9.5	7.6	9.0	8.7	87	54	75	76	W 1	NW 2	SW 2	1.7
9	108.7	108.5	107.2	108.1	6.6	14.6	10.4	8.6	15.1	2.5	12.6	-3.1	8.8	8.1	6.7	7.9	90	49	53	70	WSW 1	W 2	SW 1	1.3
10	105.0	103.1	100.7	102.9	9.4	13.2	12.2	10.5	13.4	7.1	6.3	2.5	9.1	10.8	11.2	10.4	77	71	79	76	S 1	S 1	S 1	1.0
11	96.8	94.5	93.2	94.8	10.3	17.1	13.0	12.4	17.9	8.5	9.4	5.9	11.3	11.0	11.3	11.2	90	56	75	78	SSW 1	WNW 2	W 2	1.7
12	93.7	93.1	90.3	92.4	6.9	9.2	8.2	8.6	13.0	6.1	6.9	4.0	7.9	6.8	7.4	7.4	80	58	69	72	W 2	W 2	S 1	1.7
13	88.0	86.4	85.1	86.5	8.3	18.0	11.7	11.0	18.1	5.9	12.2	2.8	7.6	8.6	9.8	8.7	70	42	71	63	S 3	SE 2	SE 1	2.0
14	86.8	88.2	91.7	88.9	8.4	13.0	6.1	8.5	13.9	5.5	8.4	0.7	10.3	7.4	5.7	7.8	94	50	61	75	W 2	W 3	W 1	2.0
15	93.6	94.8	95.2	94.5	8.6	17.4	16.0	10.8	18.2	0.2	18.0	-4.1	6.0	7.6	8.3	7.3	54	39	46	48	SE 4	S 3	SSE 2	3.0
16	97.2	97.0	95.7	96.6	11.6	19.0	13.0	13.6	19.4	10.3	9.1	7.4	7.3	10.0	10.7	9.3	53	46	71	56	SE 2	SE 2	N 2	2.0
17	87.9	84.4	83.0	85.1	14.1	14.0	10.0	12.4	15.7	10.0	5.7	8.7	13.1	13.1	10.6	12.3	81	82	87	83	SSE 1	E 3	WSW 3	2.3
18	91.5	96.0	99.3	95.6	4.9	8.4	7.4	6.5	10.4	3.4	7.0	2.9	6.9	6.4	7.3	6.9	80	58	71	72	SSW 3	SSW 3	C 0	2.0
19	100.5	100.9	100.8	100.7	4.5	3.3	1.9	3.8	7.4	1.6	5.8	-1.2	7.0	6.9	6.7	6.9	84	89	95	88	NNW 2	N 2	NNW 2	2.0
20	97.2	95.6	94.4	95.7	2.1	2.5	1.2	1.6	2.9	0.2	2.7	-0.6	6.7	7.0	6.1	6.6	95	95	91	94	NW 2	NW 4	NNW 3	3.0
21	99.6	102.4	102.2	101.4	3.5	7.2	7.0	5.4	10.2	0.9	9.3	-0.5	7.5	7.7	6.7	7.3	95	76	67	83	S 2	SSE 2	E 3	2.3
22	101.3	103.1	103.6	102.7	7.6	9.5	9.2	8.3	10.6	5.9	4.7	2.2	8.7	11.3	11.2	10.4	83	95	96	89	SE 2	SE 2	SE 1	1.7
23	105.0	104.8	104.9	104.9	8.2	18.0	10.4	11.0	18.5	7.0	11.5	3.3	10.7	10.7	12.1	11.2	99	52	96	86	SE 1	SE 2	C 0	1.0
24	103.7	103.5	104.6	103.9	10.6	17.8	13.8	11.8	18.8	3.8	15.0	0.5	12.3	11.2	11.4	11.6	96	55	72	80	NNE 1	NE 2	NE 1	1.3
25	106.2	106.3	106.1	106.2	10.2	12.6	11.0	11.0	13.5	9.5	4.0	8.2	11.4	11.6	11.4	11.5	92	79	87	88	E 1	E 1	ENE 2	1.3
26	105.3	105.1	104.7	105.0	12.8	19.0	17.3	14.8	20.9	8.4	12.5	4.7	12.0	13.2	10.9	12.0	81	60	55	69	N 1	NE 3	NNE 1	1.7
27	104.8	104.2	104.2	104.4	13.8	18.6	13.0	14.4	19.6	11.4	8.2	8.2	11.7	13.0	14.1	12.9	74	61	94	76	SE 3	E 3	NE 1	2.3
28	104.3	103.5	103.3	103.7	12.2	19.2	14.1	14.0	20.5	9.4	11.1	7.2	13.4	14.3	13.1	13.6	94	64	81	83	SE 1	SW 1	NE 2	1.3
29	99.4	98.1	99.3	98.9	11.6	11.7	9.8	11.5	14.9	9.8	5.1	6.7	11.9	12.2	9.1	11.1	87	89	75	84	NNW 1	WNW 5	WNW 3	3.0
30	104.1	102.0	100.1	102.1	5.9	12.6	10.0	7.7	14.4	0.4	14.0	-3.6	5.6	5.8	8.4	6.6	60	40	68	57	NW 2	S 1	SSW 1	1.3
M	101.1	100.7	100.3	100.7	7.9	14.0	10.4	9.6	15.2	4.8	10.4	1.4	8.9	9.2	9.1	9.1	82	59	71	74		1.7		2.4		1.5		1.9

Meteorological elements May 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	99.8	101.7	101.9	101.1	10.6	17.2	11.8	10.9	17.6	3.6	14.0	-1.5	8.9	8.1	6.9	8.0	70	41	50	58	W 2	W 3	W 1	2.0
2	105.5	107.0	108.4	107.0	9.8	15.0	9.8	10.2	15.7	5.5	10.2	1.0	7.3	6.4	6.0	6.6	60	37	49	52	NNW 1	NW 3	NNW 1	1.7
3	111.9	109.9	106.3	109.4	7.2	14.1	11.2	8.4	14.9	0.5	14.4	-3.3	6.1	5.8	7.8	6.6	60	36	59	54	ESE 1	ESE 1	SE 1	1.0
4	108.8	111.4	112.3	110.8	7.4	11.8	6.8	7.5	12.2	3.6	8.6	-1.1	8.3	6.6	6.5	7.1	80	48	66	68	N 3	N 3	N 1	2.3
5	113.1	112.3	113.2	112.9	7.6	13.6	9.2	7.3	14.4	-2.1	16.5	-7.1	6.8	6.2	5.6	6.2	65	40	48	54	N 1	NE 3	N 1	1.7
6	118.1	117.1	115.1	116.8	7.6	13.0	8.2	7.0	14.0	-2.0	16.0	-7.1	6.4	5.2	5.5	5.7	62	35	51	52	E 1	E 3	C 0	1.3
7	114.1	109.0	106.3	109.8	8.6	16.2	11.4	8.6	17.1	-2.9	20.0	-7.5	6.3	5.5	6.2	6.0	56	30	46	47	SE 2	SE 1	ESE 1	1.3
8	103.0	102.1	101.0	102.0	10.0	18.0	13.4	10.6	18.1	1.1	17.0	-3.1	9.4	9.4	7.9	8.9	76	46	51	62	SW 1	S 1	SE 1	1.0
9	97.4	104.0	106.8	102.7	12.6	10.0	8.4	10.6	13.1	8.4	4.7	3.8	14.3	11.5	10.3	12.0	98	94	94	96	W 2	N 2	C 0	1.3
10	106.9	104.2	101.7	104.3	7.4	18.6	16.3	11.9	20.5	3.4	17.1	-0.6	9.9	14.0	14.6	12.8	96	65	79	84	ESE 2	SSW 1	S 1	1.3
11	96.4	95.9	96.8	96.4	13.3	15.0	10.2	12.6	16.9	10.0	6.9	8.2	14.3	13.1	9.9	12.4	93	77	80	86	SW 1	WSW 5	WNW 3	3.0
12	99.6	101.0	101.8	100.8	6.5	9.0	7.6	7.6	10.1	6.0	4.1	3.3	9.1	8.8	8.1	8.7	94	77	78	86	E 1	NNE 1	E 1	1.0
13	97.3	97.1	96.4	96.9	6.7	9.4	11.4	9.2	12.6	5.9	6.7	3.8	9.3	11.3	12.4	11.0	94	96	92	94	ESE 2	S 2	E 1	1.7
14	97.0	95.8	94.9	95.9	10.4	16.2	11.0	11.6	16.9	7.9	9.0	3.0	11.8	11.3	12.3	11.8	94	61	94	86	W 1	SW 2	E 1	1.3
15	93.2	93.2	94.0	93.5	8.6	10.2	8.6	8.7	12.8	4.9	7.9	4.3	11.0	12.0	9.3	10.8	99	96	84	94	SW 1	SW 1	WSW 1	1.0
16	95.4	98.5	102.7	98.9	7.5	8.6	8.2	7.6	10.6	4.1	6.5	-0.6	9.0	9.5	9.9	9.5	87	85	91	88	WNW 2	N 4	NNW 1	2.3
17	108.5	109.9	110.3	109.6	9.2	16.4	12.3	10.6	16.9	4.0	12.9	-0.5	8.6	7.4	9.7	8.6	74	40	68	64	NW 2	NW 3	NNE 2	2.3
18	113.6	113.6	113.2	113.5	8.7	16.2	11.6	10.0	18.1	1.5	16.6	-3.1	8.4	7.3	9.0	8.2	75	40	66	64	N 1	NW 3	C 0	1.3
19	116.0	112.9	109.1	112.7	12.2	19.6	15.0	12.0	20.4	0.2	20.2	-3.7	9.1	9.3	10.2	9.5	64	41	60	57	SE 1	SE 3	E 1	1.7
20	106.0	102.7	100.4	103.0	15.4	23.4	18.0	15.1	23.9	3.0	20.9	-2.2	10.6	11.6	11.9	11.4	60	40	57	54	ESE 2	SE 3	E 1	2.0
21	97.7	96.5	98.1	97.4	18.6	25.8	22.0	19.2	26.5	9.8	16.7	3.9	11.6	10.0	13.1	11.6	54	30	50	47	E 2	SE 4	ESE 2	2.7
22	99.6	98.4	98.3	98.8	18.6	24.9	20.4	18.6	25.6	9.9	15.7	5.3	13.3	14.3	16.1	14.6	62	45	67	59	SE 2	S 1	SE 1	1.3
23	105.7	108.7	109.8	108.1	10.0	15.0	12.6	13.1	20.0	9.9	10.1	7.4	10.6	9.0	10.6	10.1	87	53	73	75	NNW 3	N 3	C 0	2.0
24	113.0	111.6	109.5	111.4	13.1	18.8	15.3	13.0	20.8	2.7	18.1	-1.8	10.8	9.8	10.9	10.5	71	45	63	62	SSW 1	SW 1	C 0	0.7
25	107.9	105.5	103.8	105.8	15.6	21.9	17.0	15.0	22.4	5.2	17.2	0.4	11.1	10.7	12.4	11.4	62	41	64	57	S 1	SW 3	SE 1	1.7
26	104.2	106.7	107.7	106.2	16.8	18.2	15.3	15.2	19.5	9.1	10.4	3.6	14.2	10.1	8.8	11.0	74	48	51	62	NNW 3	W 3	NNW 2	2.7
27	111.8	111.3	110.8	111.3	14.4	20.5	16.9	14.1	22.0	3.0	19.0	-1.6	9.9	9.3	11.1	10.1	60	39	58	54	SE 1	NNW 2	C 0	1.0
28	113.7	113.4	112.3	113.1	17.0	25.0	19.8	16.9	25.6	5.3	20.3	0.4	12.0	11.8	12.2	12.0	62	37	53	54	C 0	SW 2	ESE 1	1.0
29	111.8	109.4	106.6	109.3	18.8	27.4	22.8	19.6	28.4	8.2	20.2	2.6	13.2	13.1	16.7	14.3	61	36	60	54	SE 2	SE 4	S 1	2.3
30	105.1	102.5	99.0	102.2	19.6	29.4	23.4	21.5	29.9	13.0	16.9	8.2	17.4	17.1	18.9	17.8	76	42	66	65	W 1	SW 3	SW 1	1.7
31	103.9	105.9	105.2	105.0	15.2	20.0	16.0	17.2	23.3	14.2	9.1	10.2	12.0	11.7	12.1	11.9	69	50	66	64	W 3	NNW 2	N 2	2.3
M	105.7	105.5	105.0	105.4	11.8	17.4	13.6	12.3	18.7	5.1	13.6	0.8	10.4	9.9	10.4	10.2	74	51	66	66	1.6	2.5	1.0	1.7

Meteorological elements June 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	109.1	109.4	109.3	109.3	15.4	20.2	18.7	16.5	21.7	10.3	11.4	5.5	10.3	9.4	11.4	10.4	59	40	53	53	N 2	NW 2	C 0	1.3
2	108.4	106.6	103.0	106.0	18.2	20.2	18.2	17.4	21.8	11.4	10.4	7.5	11.2	13.3	14.0	12.8	54	56	67	58	N 1	NW 1	NNW 1	1.0
3	100.3	97.9	99.0	99.1	18.4	27.1	17.4	18.2	28.4	8.4	20.0	2.9	13.8	13.5	18.9	15.4	65	38	95	66	E 1	SW 3	SE 1	1.7
4	100.3	97.2	97.3	98.3	15.6	23.4	17.4	17.6	24.4	13.1	11.3	11.9	15.4	16.7	18.5	16.9	87	58	93	81	NNW 1	S 3	SW 1	1.7
5	100.5	100.1	99.9	100.2	17.2	23.6	20.4	19.4	24.2	15.5	8.7	13.8	18.3	14.2	17.6	16.7	93	49	73	77	S 1	S 2	C 0	1.0
6	101.8	100.8	100.8	101.1	20.8	27.7	23.4	21.4	27.9	13.4	14.5	9.2	20.1	17.0	17.1	18.1	82	46	59	67	SSE 1	SE 5	SSE 2	2.7
7	104.3	105.8	107.3	105.8	19.2	22.8	19.4	19.7	23.4	16.7	6.7	12.6	18.6	18.3	17.3	18.1	84	66	77	78	SW 2	W 1	NW 1	1.3
8	107.7	105.0	103.3	105.3	19.6	30.9	25.9	22.6	31.2	13.7	17.5	10.2	18.1	19.1	15.4	17.5	80	43	46	62	N 2	SE 3	SE 2	2.3
9	110.8	114.3	115.5	113.5	14.0	17.6	17.2	17.7	25.7	13.8	11.9	12.7	14.8	13.7	15.3	14.6	93	68	78	83	SW 2	W 1	C 0	1.0
10	115.8	114.6	111.6	114.0	17.4	20.1	18.8	17.5	21.3	12.5	8.8	10.2	14.9	10.8	14.6	13.4	75	46	67	66	E 2	N 2	N 1	1.7
11	108.2	105.7	105.0	106.3	19.8	29.1	20.2	20.6	29.5	12.9	16.6	10.0	16.5	18.6	22.6	19.2	71	46	95	71	E 1	E 3	C 0	1.3
12	105.7	104.7	104.2	104.9	20.6	29.5	20.3	21.8	30.6	15.7	14.9	12.8	20.9	19.8	23.6	21.4	86	48	99	80	C 0	SSE 2	C 0	0.7
13	106.1	106.6	107.8	106.8	17.6	23.1	18.4	19.0	23.5	16.3	7.2	13.6	19.3	21.0	18.6	19.6	96	74	88	88	W 2	SW 2	WNW 2	2.0
14	107.8	107.5	108.4	107.9	19.0	24.1	17.8	20.0	25.8	17.5	8.3	15.7	19.5	22.0	19.8	20.4	89	73	97	87	C 0	C 0	SSW 1	0.3
15	108.5	109.2	109.0	108.9	20.2	21.8	20.2	19.2	22.4	14.1	8.3	11.7	20.9	21.1	21.8	21.3	88	81	92	87	C 0	SW 2	C 0	0.7
16	109.6	109.5	108.3	109.1	18.4	21.6	20.6	20.1	23.4	18.1	5.3	16.5	20.4	21.2	21.9	21.2	96	82	90	91	N 1	NNW 2	W 1	1.3
17	105.9	104.5	101.6	104.0	17.6	19.3	20.1	19.2	21.9	17.0	4.9	15.7	19.5	21.5	21.2	20.7	97	96	90	95	C 0	N 1	NNW 1	0.7
18	100.7	100.6	100.4	100.6	17.6	19.0	16.6	17.7	20.2	16.5	3.7	14.9	19.1	17.8	18.3	18.4	95	81	97	92	NNW 2	NW 4	NNW 2	2.7
19	104.4	103.2	103.0	103.5	17.6	25.2	22.4	20.0	26.1	13.9	12.2	11.5	19.5	20.8	22.8	21.0	97	65	84	86	SSW 1	SW 2	SW 1	1.3
20	104.2	102.6	99.9	102.2	18.0	22.8	21.2	19.8	23.9	16.0	7.9	13.7	18.5	19.7	21.1	19.8	90	71	84	84	SW 1	W 1	C 0	0.7
21	96.1	92.6	93.1	93.9	17.4	23.3	18.4	18.8	24.0	15.6	8.4	12.1	18.5	18.4	19.8	18.9	93	64	93	86	S 1	E 2	C 0	1.0
22	93.9	91.9	93.0	92.9	13.6	16.0	14.4	14.9	18.1	13.4	4.7	12.2	15.1	17.6	16.2	16.3	97	97	99	98	NNW 2	N 4	NW 3	3.0
23	99.1	103.8	107.2	103.4	10.6	11.4	11.4	11.8	14.4	10.6	3.8	9.7	12.6	13.3	13.3	13.1	99	99	99	99	N 3	N 2	NW 2	2.3
24	109.7	110.3	109.9	110.0	12.0	13.8	13.8	12.7	14.8	10.5	4.3	8.7	13.7	15.6	15.3	14.9	98	99	97	98	WNW 1	C 0	SE 1	0.7
25	109.9	107.9	107.1	108.3	14.2	18.2	13.5	14.2	18.7	10.4	8.3	7.1	14.0	11.9	12.8	12.9	86	57	83	78	WSW 1	SW 1	C 0	0.7
26	105.6	104.1	103.0	104.2	14.7	21.1	19.6	15.9	22.6	6.6	16.0	2.6	13.5	12.8	15.5	13.9	81	51	68	70	E 1	ESE 2	ESE 1	1.3
27	104.1	103.8	102.3	103.4	19.6	26.0	22.3	19.8	26.4	10.7	15.7	6.7	14.4	13.0	15.1	14.2	63	39	56	55	SE 3	SE 3	C 0	2.0
28	102.3	101.9	101.6	101.9	21.8	28.4	24.2	21.6	29.4	11.0	18.4	6.8	15.9	17.3	19.8	17.7	61	45	66	58	SSE 2	SSE 2	C 0	1.3
29	107.4	107.8	107.2	107.5	18.8	24.5	19.8	19.6	24.6	15.1	9.5	10.3	18.3	14.0	15.2	15.8	84	46	66	70	WNW 2	NW 3	C 0	1.7
30	107.7	107.2	105.2	106.7	19.4	23.9	20.2	19.0	26.0	10.5	15.5	6.7	15.8	14.0	16.2	15.3	70	47	68	64	ENE 1	N 1	C 0	0.7
M	105.2	104.6	104.1	104.6	17.5	22.2	19.1	18.5	23.9	13.4	10.5	10.5	16.7	16.6	17.7	17.0	84	62	81	78	1.3	2.1	0.8	1.4

Meteorological elements July 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	105.6	104.0	103.3	104.3	20.6	26.0	21.8	19.8	26.4	10.2	16.2	6.3	15.2	13.7	17.8	15.6	63	41	68	59	C 0	N 2	C 0	0.7
2	102.9	102.2	101.5	102.2	19.0	24.0	21.3	19.6	24.4	13.9	10.5	9.6	20.1	18.7	16.4	18.4	92	63	65	78	C 0	W 2	NW 1	1.0
3	103.7	103.2	102.3	103.1	19.1	25.6	22.4	20.5	26.4	14.1	12.3	10.1	18.1	17.2	18.2	17.8	82	52	67	71	C 0	S 2	C 0	0.7
4	102.5	101.6	101.3	101.8	22.4	31.1	26.6	23.7	31.3	14.4	16.9	9.7	20.0	18.5	22.1	20.2	74	41	63	63	S 2	SSW 2	C 0	1.3
5	103.1	101.9	100.4	101.8	24.3	32.7	28.9	26.4	33.8	18.6	15.2	14.7	19.3	17.4	20.3	19.0	64	35	51	54	S 1	SE 2	ESE 1	1.3
6	100.6	98.7	98.6	99.3	24.4	32.5	28.3	26.4	33.4	19.5	13.9	14.6	21.8	20.8	24.6	22.4	71	42	64	62	S 2	S 3	C 0	1.7
7	101.0	104.2	105.9	103.7	22.6	23.0	22.0	23.2	27.8	20.2	7.6	16.4	23.1	20.2	19.3	20.9	84	72	73	78	C 0	W 1	NNW 1	0.7
8	106.3	107.9	108.0	107.4	17.6	19.8	20.2	19.3	22.2	17.1	5.1	13.2	18.8	20.8	20.5	20.0	93	90	87	91	C 0	NNW 3	N 1	1.3
9	111.4	111.2	111.9	111.5	15.0	23.2	22.2	19.1	24.9	14.4	10.5	13.2	15.3	20.9	19.5	18.6	90	74	73	82	N 1	N 3	N 2	2.0
10	113.7	112.5	111.5	112.6	20.0	25.6	22.1	20.7	26.1	14.5	11.6	11.2	14.1	12.7	14.1	13.6	60	39	53	53	N 2	NNE 4	C 0	2.0
11	112.4	111.3	109.6	111.1	20.4	27.2	24.0	21.0	27.9	11.7	16.2	7.3	14.6	12.1	14.3	13.7	61	34	48	51	ESE 3	E 3	SE 1	2.3
12	108.1	106.0	103.6	105.9	22.0	28.5	24.4	22.3	28.9	14.0	14.9	8.7	14.2	14.6	17.6	15.5	54	37	58	51	E 2	E 4	E 1	2.3
13	100.2	97.5	95.8	97.8	21.8	29.1	22.5	22.5	29.3	16.3	13.0	15.2	17.8	18.6	20.6	19.0	68	46	76	64	SE 1	E 3	E 1	1.7
14	92.4	90.4	89.2	90.7	20.3	25.6	21.8	21.7	26.5	18.2	8.3	14.9	20.9	21.9	19.8	20.9	88	67	76	80	SE 2	SSE 2	W 2	2.0
15	95.0	97.0	98.9	97.0	15.6	20.0	17.0	17.0	21.7	13.6	8.1	12.5	17.2	14.9	14.1	15.4	97	64	73	83	W 1	W 2	C 0	1.0
16	102.9	104.7	105.5	104.4	16.8	20.2	17.0	16.4	21.7	10.0	11.7	6.8	14.6	12.2	14.6	13.8	76	52	75	70	N 2	W 3	C 0	1.7
17	108.3	108.1	107.9	108.1	17.1	23.6	19.7	17.6	24.1	9.3	14.8	6.3	14.4	11.8	16.2	14.1	74	41	71	65	C 0	W 2	C 0	0.7
18	108.4	107.5	106.6	107.5	19.6	26.0	21.4	20.0	26.7	12.4	14.3	8.9	17.0	14.9	16.9	16.3	75	44	66	65	SW 1	SW 3	C 0	1.3
19	106.3	104.4	103.3	104.7	19.2	28.9	21.4	21.4	29.4	15.8	13.6	12.6	17.8	16.1	22.2	18.7	80	41	87	72	S 1	WSW 3	C 0	1.3
20	103.2	102.1	100.5	101.9	21.1	28.4	24.6	21.9	29.4	12.5	16.9	9.2	19.7	17.3	21.0	19.3	79	45	68	68	C 0	WSW 2	C 0	0.7
21	99.0	97.8	96.8	97.9	21.4	24.8	23.6	22.6	28.9	16.5	12.4	11.7	20.1	26.1	19.8	22.0	79	83	68	77	SW 1	C 0	C 0	0.3
22	98.5	100.0	99.7	99.4	20.8	22.6	18.6	20.1	23.9	17.1	6.8	12.7	18.5	16.1	13.7	16.1	75	59	64	68	W 2	W 2	NW 1	1.7
23	101.1	101.3	103.3	101.9	15.8	19.4	17.2	15.9	19.7	10.8	8.9	7.2	15.6	16.4	16.1	16.0	87	73	82	82	C 0	C 0	S 1	0.3
24	106.0	107.4	107.9	107.1	17.0	23.2	19.4	18.3	24.1	12.6	11.5	8.8	16.9	15.7	15.3	16.0	87	55	68	74	SW 2	SW 1	SW 1	1.3
25	110.1	108.1	105.9	108.0	17.6	24.4	21.8	18.8	26.1	9.6	16.5	5.5	14.5	14.1	17.8	15.5	72	46	68	64	WSW 1	SW 2	C 0	1.0
26	106.1	105.3	104.5	105.3	21.0	27.9	23.2	21.5	28.9	13.0	15.9	8.9	17.0	15.8	18.4	17.1	68	42	65	61	C 0	S 1	N 4	1.7
27	107.5	106.8	106.1	106.8	17.0	23.0	19.8	19.4	24.8	15.8	9.0	14.7	14.3	14.6	14.8	14.6	74	52	64	66	N 3	N 2	C 0	1.7
28	106.4	106.6	107.3	106.8	16.8	22.6	18.3	17.8	23.9	12.0	11.9	8.2	14.9	17.2	18.7	16.9	78	63	89	77	NNE 2	N 3	C 0	1.7
29	109.1	107.9	106.7	107.9	16.6	24.7	19.6	18.0	25.4	10.5	14.9	6.3	14.4	12.3	13.3	13.3	76	40	59	63	N 2	NNE 2	N 1	1.7
30	106.8	105.3	104.8	105.6	18.2	25.2	21.2	19.1	26.1	11.0	15.1	6.2	15.0	12.4	13.7	13.7	72	39	54	59	N 3	N 2	N 1	2.0
31	105.3	105.0	104.2	104.8	18.2	26.2	23.2	20.2	27.4	12.1	15.3	6.3	13.6	10.6	10.9	11.7	65	31	38	50	NW 2	NE 3	N 1	2.0
M	104.6	104.1	103.6	104.1	19.3	25.3	21.8	20.4	26.5	13.9	12.6	10.3	17.1	16.3	17.5	17.0	76	52	67	68	1.3	2.2	0.7	1.4

Meteorological elements August 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	107.4	106.4	106.2	106.7	16.8	25.3	20.0	18.7	26.5	11.5	15.0	7.3	11.9	12.1	11.5	11.8	62	38	49	53	NNE	1	NE	2	NE	1	1.3
2	106.6	105.8	105.0	105.8	17.2	26.2	21.0	18.5	26.9	8.8	18.1	3.9	12.4	9.5	12.7	11.5	63	28	51	51	N	1	E	2	N	1	1.3
3	105.2	104.2	104.2	104.5	15.5	26.0	20.7	18.1	26.9	9.4	17.5	4.4	14.3	8.6	11.5	11.5	81	26	47	59	C	0	N	2	C	0	0.7
4	104.3	103.8	102.8	103.6	17.4	24.6	20.2	18.2	26.1	8.9	17.2	4.7	14.5	11.9	11.9	12.8	73	38	50	58	C	0	NE	1	C	0	0.3
5	103.9	102.7	101.9	102.8	17.4	27.2	21.1	18.9	27.6	9.4	18.2	4.6	15.0	11.0	13.7	13.2	76	30	55	59	SE	1	S	1	C	0	0.7
6	100.2	98.6	97.7	98.8	17.8	22.8	20.4	19.4	25.5	13.9	11.6	9.6	14.2	17.9	17.6	16.6	70	65	73	70	S	2	C	0	SSE	1	1.0
7	96.5	96.0	94.5	95.7	18.7	29.3	24.0	21.6	30.2	13.5	16.7	9.2	18.8	14.2	15.7	16.2	87	35	53	65	SE	1	SSW	1	C	0	0.7
8	92.3	91.2	91.0	91.5	21.2	26.2	24.6	22.1	28.6	14.0	14.6	13.0	19.0	22.8	20.6	20.8	76	67	67	72	S	1	S	2	C	0	1.0
9	93.2	94.2	95.6	94.3	22.6	30.9	22.8	23.8	31.3	18.5	12.8	14.2	21.8	18.2	17.1	19.0	79	41	62	65	S	2	W	3	SW	1	2.0
10	97.8	96.7	96.8	97.1	20.2	28.3	20.8	21.0	28.9	14.0	14.9	10.2	18.1	17.8	21.8	19.2	77	46	89	72	SW	1	SW	1	C	0	0.7
11	97.9	98.1	98.9	98.3	19.8	26.0	21.6	21.1	26.4	16.6	9.8	13.8	21.2	19.0	16.4	18.9	92	57	64	76	W	1	W	2	W	2	1.7
12	102.1	101.8	101.5	101.8	15.0	22.0	16.7	16.8	22.3	13.0	9.3	10.7	16.3	11.3	14.3	14.0	96	43	75	78	C	0	S	2	C	0	0.7
13	100.7	100.2	99.0	100.0	16.2	21.1	16.4	16.9	21.9	13.2	8.7	10.6	14.6	9.7	10.8	11.7	80	39	58	64	S	1	W	3	SW	1	1.7
14	98.3	97.4	96.4	97.4	13.6	19.4	16.2	15.0	20.8	9.6	11.2	5.4	13.4	12.4	13.3	13.0	86	55	72	75	SW	1	SW	2	C	0	1.0
15	93.8	91.5	93.4	92.9	14.2	21.2	14.8	14.4	21.4	7.0	14.4	3.1	11.7	15.5	15.6	14.3	72	62	93	75	S	2	S	3	S	1	2.0
16	96.0	95.6	95.2	95.6	14.2	20.4	16.8	15.7	21.9	9.9	12.0	6.3	14.3	12.8	13.9	13.7	88	53	73	76	SW	1	WSW	2	SW	1	1.3
17	93.7	93.9	94.9	94.2	13.8	18.4	15.4	14.8	19.8	10.2	9.6	7.5	13.9	16.0	15.9	15.3	88	75	91	86	SSE	1	WSW	1	C	0	0.7
18	98.9	99.7	99.6	99.4	14.2	23.0	17.6	16.3	22.9	10.6	12.3	7.3	15.3	13.2	13.3	13.9	95	47	66	76	SW	1	SW	2	S	1	1.3
19	98.4	99.4	99.4	99.1	17.2	25.4	18.8	18.5	25.4	12.7	12.7	9.1	17.9	12.2	11.8	14.0	91	38	54	68	SE	1	S	3	SSW	1	1.7
20	102.4	101.3	101.0	101.6	14.9	24.0	17.9	16.6	24.4	9.1	15.3	4.8	13.3	9.6	11.8	11.6	79	32	57	62	S	1	SSW	3	C	0	1.3
21	101.6	101.5	106.2	103.1	14.0	18.8	15.0	14.7	20.9	8.8	12.1	4.8	12.8	15.3	15.8	14.6	80	71	93	81	S	1	SSW	2	W	1	1.3
22	105.1	105.3	105.8	105.4	13.6	19.4	13.6	15.1	20.3	12.9	7.4	9.2	14.9	11.7	11.5	12.7	96	52	74	80	W	1	W	2	W	1	1.3
23	109.1	108.8	109.0	109.0	12.2	19.2	15.0	14.0	20.7	8.0	12.7	4.3	13.4	11.9	12.8	12.7	94	53	75	79	C	0	NW	1	C	0	0.3
24	109.9	109.1	109.0	109.3	13.4	21.4	15.8	15.4	21.9	10.4	11.5	7.6	13.1	12.6	14.6	13.4	85	50	81	75	SSE	1	SSE	2	C	0	1.0
25	112.2	112.7	113.2	112.7	12.8	20.9	14.6	14.3	21.3	8.6	12.7	5.2	13.0	10.9	12.4	12.1	88	44	75	74	N	1	N	2	NE	1	1.3
26	114.7	112.7	111.6	113.0	13.1	22.8	16.0	14.5	22.9	6.0	16.9	2.3	12.6	9.2	11.4	11.1	84	33	63	66	SE	2	S	5	SE	1	2.7
27	110.3	108.9	109.0	109.4	14.3	23.2	18.6	16.2	24.4	7.0	17.4	2.7	12.4	11.6	13.9	12.6	76	41	65	64	SE	3	S	2	C	0	1.7
28	106.6	105.9	105.9	106.1	15.0	25.2	18.2	17.8	25.9	11.9	14.0	8.4	15.8	17.5	19.5	17.6	93	54	93	83	S	1	SSE	1	C	0	0.7
29	106.7	106.9	106.2	106.6	15.9	20.1	14.9	16.6	20.9	14.6	6.3	10.7	17.0	14.4	13.2	14.9	94	61	78	82	C	0	NW	2	C	0	0.7
30	106.4	105.5	104.0	105.3	13.0	21.2	16.0	15.5	22.4	10.5	11.9	8.2	14.5	14.0	13.7	14.1	97	56	76	82	C	0	N	1	C	0	0.3
31	102.8	101.7	100.5	101.7	14.0	23.8	18.2	16.2	24.3	8.5	15.8	5.8	14.1	11.9	16.5	14.2	88	40	79	74	S	1	S	2	S	1	1.3
M	102.4	101.9	101.8	102.0	15.8	23.3	18.2	17.3	24.2	11.0	13.2	7.4	15.0	13.4	14.4	14.3	83	47	69	70		1.0		1.9		0.5	1.2

Meteorological elements September 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	101.1	101.0	101.8	101.3	13.2	14.6	14.8	14.7	17.9	13.0	4.9	12.6	14.3	16.4	15.9	15.5	95	99	95	96	WNW 1	N 2	N 1	1.3
2	104.8	110.3	113.0	109.4	13.1	15.2	14.8	14.9	18.9	12.9	6.0	11.9	14.4	16.0	16.3	15.6	96	93	97	96	N 2	N 2	NE 1	1.7
3	115.4	114.6	114.0	114.7	15.2	23.7	17.1	17.1	24.0	12.0	12.0	9.2	16.7	15.1	14.7	15.5	97	52	75	81	SE 1	SSE 2	SE 1	1.3
4	115.6	114.9	114.0	114.8	12.6	23.6	14.5	14.9	23.6	8.9	14.7	5.8	11.6	10.1	12.1	11.3	79	35	74	67	SSE 2	SE 4	ENE 1	2.3
5	114.2	113.0	110.4	112.5	13.7	24.3	15.4	15.2	24.5	7.0	17.5	2.6	14.5	9.4	12.8	12.2	92	31	73	72	SSE 1	SSE 3	C 0	1.3
6	109.1	106.9	105.5	107.2	12.2	24.2	16.0	14.9	24.4	7.0	17.4	3.8	13.1	11.2	8.8	11.0	92	37	48	67	C 0	S 3	C 0	1.0
7	104.8	104.3	104.5	104.5	13.2	24.8	16.5	15.4	24.8	7.1	17.7	3.8	12.1	11.5	12.7	12.1	80	37	68	66	S 1	S 2	C 0	1.0
8	107.3	108.1	108.3	107.9	12.2	26.2	17.7	16.0	26.6	7.4	19.2	4.8	12.8	11.3	14.1	12.7	90	33	70	71	C 0	SE 2	C 0	0.7
9	111.1	111.2	111.5	111.3	15.4	26.9	17.5	17.8	27.1	11.0	16.1	6.8	15.9	15.3	12.9	14.7	91	43	64	72	NE 2	NE 2	NNE 1	1.7
10	115.4	116.1	115.0	115.5	14.0	24.2	17.2	16.4	24.7	9.5	15.2	5.8	15.8	14.6	14.8	15.1	99	48	76	80	NNE 1	NNW 3	C 0	1.3
11	116.6	115.5	113.3	115.1	12.8	19.1	13.1	14.4	22.2	9.5	12.7	6.7	14.3	17.7	10.9	14.3	97	80	72	86	N 1	NNW 1	NW 1	1.0
12	111.9	110.2	108.3	110.1	8.3	22.9	13.5	12.2	23.1	4.0	19.1	0.4	10.7	9.3	10.3	10.1	97	33	67	74	C 0	E 2	C 0	0.7
13	108.3	107.9	107.9	108.0	9.4	18.2	11.0	10.6	18.6	3.4	15.2	-0.1	11.3	9.6	9.1	10.0	96	46	69	77	SSE 1	E 2	E 1	1.3
14	108.5	107.3	107.4	107.7	5.1	15.8	8.6	7.4	15.9	0.0	15.9	-3.7	7.9	8.4	8.5	8.3	90	47	76	76	C 0	N 1	C 0	0.3
15	108.9	107.1	106.1	107.4	2.5	16.4	8.2	6.5	17.3	-1.9	19.2	-4.6	6.7	8.0	8.0	7.6	92	43	73	75	C 0	NE 1	C 0	0.3
16	104.8	102.7	100.6	102.7	3.9	16.7	10.8	7.6	16.8	-1.3	18.1	-4.3	7.5	8.7	9.7	8.6	92	46	75	76	C 0	ESE 3	C 0	1.0
17	100.6	100.8	103.5	101.6	6.8	17.8	11.2	10.3	18.8	4.4	14.4	1.3	9.2	12.2	10.7	10.7	93	60	80	82	C 0	E 1	C 0	0.3
18	104.1	105.4	104.1	104.5	9.8	20.8	16.8	13.2	21.3	5.1	16.2	1.0	10.5	13.6	12.5	12.2	87	55	65	74	E 1	E 2	E 1	1.3
19	104.9	104.3	104.5	104.6	12.8	20.8	17.2	15.7	20.8	11.9	8.9	10.7	12.7	13.9	14.3	13.6	86	57	73	76	E 2	E 2	ESE 2	2.0
20	104.8	103.0	102.0	103.3	13.2	23.4	20.0	17.0	23.5	11.5	12.0	12.2	12.1	14.0	12.0	12.7	80	49	51	65	SE 3	SE 4	SSE 3	3.3
21	99.4	98.5	98.5	98.8	17.6	24.4	20.0	19.7	25.4	15.8	9.6	13.5	13.7	16.0	15.2	15.0	68	52	65	63	S 3	S 4	S 1	2.7
22	98.8	100.8	101.1	100.2	16.0	21.4	14.4	16.9	22.9	14.3	8.6	8.7	16.9	14.3	12.2	14.5	93	56	74	79	W 1	W 2	C 0	1.0
23	102.7	101.9	101.8	102.1	12.8	25.0	19.4	16.9	25.3	10.1	15.2	6.0	13.3	15.6	15.6	14.8	90	49	69	74	SW 1	SW 2	C 0	1.0
24	104.3	104.6	104.8	104.6	16.6	22.2	16.2	18.0	23.3	15.7	7.6	13.7	18.3	17.1	16.8	17.4	97	64	91	87	W 1	WSW 2	C 0	1.0
25	103.2	101.8	100.3	101.8	12.6	23.3	17.2	16.0	23.5	10.9	12.6	7.8	14.1	15.6	15.7	15.1	97	55	80	82	SSW 1	W 2	C 0	1.0
26	98.6	97.4	95.9	97.3	13.6	20.2	16.4	15.6	20.3	12.2	8.1	9.2	15.1	14.4	17.0	15.5	97	61	91	86	C 0	S 1	C 0	0.3
27	96.7	98.2	98.3	97.7	15.2	19.8	13.0	15.4	20.3	13.0	7.3	8.6	16.2	13.2	12.2	13.9	94	57	82	82	WNW 2	W 3	C 0	1.7
28	97.3	95.5	94.0	95.6	11.3	21.9	15.6	14.5	22.0	9.0	13.0	5.4	12.4	14.3	15.4	14.0	93	54	87	82	S 2	SSW 2	C 0	1.3
29	94.6	94.8	94.2	94.5	12.6	18.2	11.6	13.6	18.8	11.3	7.5	6.3	14.1	12.6	11.6	12.8	97	60	85	85	C 0	W 2	S 1	1.0
30	90.1	90.7	89.5	90.1	14.0	17.2	15.6	14.2	17.8	9.4	8.4	5.3	15.3	16.8	16.8	16.3	96	86	95	93	SSW 2	S 2	S 1	1.7
M	105.3	105.0	104.5	104.9	12.1	14.0	15.0	14.4	21.8	8.8	13.0	5.7	13.1	13.2	13.0	13.1	91	54	75	78		1.1	2.2	0.5	1.3

Meteorological elements October 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour. 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	89.2	90.7	94.6	91.5	14.6	19.2	13.8	15.4	19.3	13.9	5.4	10.6	15.7	13.6	12.5	13.9	95	61	79	82	SW 1	SW 4	SW 2	2.3
2	102.0	100.7	97.6	100.1	9.6	20.5	15.9	13.3	20.9	6.9	14.0	3.1	10.9	11.0	11.8	11.2	91	46	65	73	S 1	SSW 4	S 2	2.3
3	97.0	96.3	94.8	96.0	13.2	22.8	19.0	16.7	23.3	11.2	12.1	7.2	12.4	14.0	15.5	14.0	82	51	71	72	S 2	SE 2	SSE 1	1.7
4	97.6	101.6	102.2	100.5	11.2	10.9	9.9	12.4	18.9	9.5	9.4	8.6	12.2	11.8	11.7	11.9	92	91	96	93	N 2	W 1	C 0	1.0
5	103.8	103.7	105.8	104.4	9.8	10.4	9.1	9.6	10.5	9.0	1.5	8.2	12.0	12.1	11.3	11.8	99	96	97	98	N 1	N 1	C 0	0.7
6	105.4	104.9	107.4	105.9	9.0	11.4	9.7	9.6	11.4	8.4	3.0	8.1	11.0	12.4	11.7	11.7	96	92	98	96	NNW 1	W 1	W 1	1.0
7	109.5	111.0	111.9	110.8	8.7	11.0	6.5	8.2	11.3	6.4	4.9	2.9	11.0	11.1	8.9	10.3	97	85	92	93	SSW 1	SSW 1	C 0	0.7
8	112.4	109.9	107.1	109.8	2.9	12.0	10.2	6.7	12.2	1.4	10.8	-0.5	7.2	10.9	10.5	9.5	95	78	84	88	C 0	SW 2	SW 1	1.0
9	102.2	99.6	93.9	98.6	9.2	12.4	11.8	10.2	12.4	7.5	4.9	3.3	10.6	12.0	13.4	12.0	91	83	97	90	WSW 1	SW 2	SW 3	2.0
10	100.0	101.7	103.8	101.8	7.0	11.6	8.8	8.5	12.3	6.0	6.3	3.7	9.1	9.3	10.0	9.5	91	68	89	85	W 2	W 4	WNW 1	2.3
11	106.5	104.8	106.3	105.9	7.2	13.2	12.9	10.0	13.5	6.6	6.9	3.8	9.5	14.7	13.7	12.6	93	97	82	91	S 1	WNW 2	NW 1	1.3
12	108.6	108.6	109.6	108.9	9.0	12.8	9.3	9.5	13.4	6.0	7.4	1.8	10.7	9.5	9.4	9.9	94	64	80	83	WNW 2	WNW 3	W 2	2.3
13	110.4	110.5	109.1	110.0	7.2	11.8	9.0	8.7	12.5	6.1	6.4	2.3	8.9	9.7	9.3	9.3	88	70	81	82	NW 3	NW 3	W 2	2.7
14	102.5	101.0	103.3	102.3	8.4	9.9	5.7	7.6	10.8	5.5	5.3	1.8	10.6	10.4	8.5	9.8	96	85	93	92	W 2	NW 2	NNW 1	1.7
15	105.5	105.4	105.6	105.5	5.1	9.2	4.9	5.6	10.2	2.4	7.8	-1.1	8.1	9.2	8.3	8.5	93	79	96	90	NW 2	NW 2	N 1	1.7
16	104.4	104.3	105.9	104.9	5.3	5.9	2.9	4.7	7.6	2.9	4.7	-0.6	8.0	8.4	6.9	7.8	90	90	92	90	NW 2	NW 1	NW 1	1.3
17	109.5	111.6	113.0	111.4	3.0	6.6	4.9	4.3	6.9	2.4	4.5	-0.1	7.3	7.6	7.3	7.4	97	78	84	89	NW 1	NNW 2	N 1	1.3
18	114.4	114.0	113.6	114.0	-0.2	7.0	2.5	2.2	7.4	-1.0	8.4	-4.0	5.7	7.7	7.0	6.8	94	77	95	90	C 0	NW 1	C 0	0.3
19	113.4	112.9	113.2	113.2	0.7	6.9	4.3	2.8	7.3	-1.0	8.3	-3.6	6.0	5.2	6.7	6.0	93	52	81	80	C 0	C 0	C 0	0.0
20	114.8	115.3	115.6	115.2	1.5	3.7	-1.8	0.4	4.1	-2.1	6.2	-6.1	5.4	4.3	4.8	4.8	80	54	90	76	E 1	ENE 2	C 0	1.0
21	115.8	114.8	113.5	114.7	-2.3	5.7	1.6	0.2	5.6	-4.1	9.7	-8.1	4.2	4.8	4.6	4.5	82	52	67	71	SE 1	SSE 4	SE 3	2.7
22	111.1	110.0	108.3	109.8	0.1	6.1	4.9	2.6	6.1	-0.8	6.9	-3.1	4.7	5.6	5.8	5.4	77	59	67	70	SE 3	SSE 3	SE 3	3.0
23	104.9	103.5	101.5	103.3	2.9	9.4	6.7	5.5	9.9	2.4	7.5	0.9	6.0	7.7	7.0	6.9	79	65	72	74	SSE 3	SSE 5	S 3	3.7
24	97.3	96.9	95.8	96.7	8.2	11.1	10.0	9.1	11.9	6.4	5.5	5.3	9.3	10.8	9.6	9.9	86	82	79	83	S 2	S 3	S 3	2.7
25	94.3	94.9	94.5	94.6	10.9	17.3	14.0	12.4	17.4	7.3	10.1	4.3	11.4	13.4	13.5	12.8	87	68	84	82	S 2	S 3	S 1	2.0
26	100.1	100.7	100.7	100.5	10.0	16.4	10.2	11.5	16.4	9.3	7.1	4.3	11.5	12.5	10.8	11.6	94	67	87	86	W 2	W 2	SSW 1	1.7
27	98.7	101.6	105.0	101.8	11.4	13.0	10.4	11.1	13.1	9.6	3.5	4.7	11.2	11.0	8.4	10.2	83	73	66	76	W 3	NW 4	NW 3	3.3
28	109.1	109.0	108.3	108.8	9.0	12.2	10.2	10.0	12.7	7.9	4.8	5.3	9.9	11.5	9.6	10.3	86	81	78	83	W 1	SSW 2	WSW 1	1.3
29	112.4	114.8	116.7	114.6	6.5	10.2	3.9	6.0	10.2	3.6	6.6	-2.1	9.1	8.2	7.2	8.2	94	66	89	86	C 0	W 3	C 0	1.0
30	117.1	113.4	110.9	113.8	-1.4	9.6	4.8	2.8	9.5	-1.9	11.4	-5.1	5.5	8.9	7.6	7.3	100	75	88	91	C 0	S 2	S 2	1.3
31	102.7	102.7	106.4	103.9	2.5	15.6	12.7	8.4	16.4	2.0	14.4	-1.1	7.2	11.4	13.1	10.6	98	64	89	87	S 1	S 2	SSW 3	2.0
M	105.6	105.5	105.7	105.6	6.5	11.5	8.3	7.9	12.1	4.8	7.3	1.8	9.1	10.0	9.6	9.6	91	73	84	85		1.4	2.4	1.4	1.7

Meteorological elements November 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	113.9	114.5	112.5	113.6	4.5	13.3	6.7	7.1	13.3	4.0	9.3	-0.6	8.0	8.8	8.6	8.5	95	58	88	84	NNW 1	W 2	SSW 1	1.3
2	106.9	106.2	105.1	106.1	4.7	14.9	11.8	8.8	15.0	3.5	11.5	-0.8	7.9	11.2	11.5	10.2	93	66	83	84	S 1	SW 2	S 1	1.3
3	110.0	113.7	115.9	113.2	9.0	11.4	5.9	8.1	11.9	5.5	6.4	0.9	10.2	10.0	8.4	9.5	89	74	90	86	NW 1	NW 2	NW 1	1.3
4	119.1	119.3	119.4	119.3	3.9	5.7	5.5	4.2	5.9	1.7	4.2	-3.0	7.9	8.8	8.4	8.4	98	96	93	96	WNW 1	W 1	C 0	0.7
5	110.4	112.3	108.6	110.4	3.6	6.3	4.5	4.5	6.9	3.1	3.8	1.0	7.3	7.8	7.7	7.6	92	82	91	89	SSE 2	S 2	SE 1	1.7
6	100.9	98.6	99.6	99.7	5.3	11.1	7.6	6.5	11.7	1.5	10.2	-2.6	8.3	10.2	9.7	9.4	93	77	93	89	S 1	S 1	SSE 1	1.0
7	104.7	106.9	110.0	107.2	1.3	7.6	7.6	4.4	8.1	0.6	7.5	-2.7	6.1	9.7	10.0	8.6	91	93	96	93	C 0	C 0	C 0	0.0
8	112.7	113.9	115.5	114.0	7.0	6.3	5.3	6.3	7.5	5.3	2.2	4.3	9.9	9.0	8.5	9.1	99	94	96	97	SE 1	E 1	ESE 2	1.3
9	117.9	118.6	118.1	118.2	5.4	6.5	3.1	4.4	6.4	2.9	3.5	-1.4	7.0	6.3	6.1	6.5	7.9	65	80	76	ESE 2	SE 4	SE 2	2.7
10	115.6	115.9	117.4	116.3	-0.3	1.3	1.1	0.5	3.0	-1.8	4.8	-3.6	4.4	4.9	5.0	4.8	74	73	76	74	SE 1	W 1	C 0	0.7
11	120.4	120.8	120.7	120.6	-3.8	1.7	-3.0	-2.3	1.9	-4.4	6.3	-7.2	4.0	4.1	4.3	4.1	87	59	87	80	NNE 1	N 1	C 0	0.7
12	118.9	117.8	115.5	117.4	-0.8	2.7	1.3	-0.2	2.9	-4.0	6.9	-7.5	5.3	6.8	6.1	6.1	92	92	91	92	C 0	WNW 3	WNW 1	1.3
13	112.1	107.7	103.5	107.8	0.7	5.3	0.1	1.8	6.4	0.0	6.4	-3.1	6.0	6.0	5.3	5.8	93	68	86	85	C 0	W 1	WSW 2	1.0
14	92.3	89.7	94.0	92.0	1.5	0.7	0.1	0.6	1.9	-1.2	3.1	-5.1	5.8	5.3	5.8	5.6	85	82	95	87	NW 1	W 1	NW 1	1.0
15	101.1	105.0	108.2	104.8	0.3	1.1	0.6	0.0	1.2	-2.1	3.3	-7.3	5.6	4.6	4.9	5.0	89	69	76	81	NW 1	NW 3	NW 2	2.0
16	113.1	113.0	109.7	111.9	-1.0	1.3	-2.6	-1.3	1.3	-2.9	4.2	-8.6	5.0	4.4	4.5	4.6	89	66	90	84	C 0	S 1	SE 1	0.7
17	100.6	98.3	97.3	98.7	-3.2	-0.4	-0.5	-2.1	-0.2	-4.6	4.4	-8.7	3.5	4.6	4.9	4.3	73	78	83	77	S 3	S 1	S 1	1.7
18	92.8	91.2	89.7	91.2	-2.1	-0.2	-0.8	-1.6	-0.2	-3.5	3.3	-8.7	5.0	5.7	5.7	5.5	96	94	99	96	C 0	C 0	C 0	0.0
19	91.8	94.3	98.1	94.7	-0.8	0.0	-0.6	-0.7	0.1	-1.6	1.7	-6.1	5.6	5.8	5.6	5.7	97	95	96	96	C 0	C 0	C 0	0.0
20	98.0	96.8	98.1	97.6	-3.1	-2.5	-4.6	-3.4	-0.8	-5.0	4.2	-5.0	4.4	4.6	3.8	4.3	91	90	87	90	NNE 3	NE 2	NNW 1	2.0
21	101.4	102.5	102.6	102.2	-4.2	-1.6	-2.8	-3.5	-1.6	-5.4	3.8	-5.1	4.1	4.5	4.4	4.3	92	83	89	89	S 1	SSW 2	SSW 2	1.7
22	100.9	101.0	101.5	101.1	-8.2	-1.8	-4.6	-5.8	-1.6	-8.6	7.0	-15.5	3.2	5.0	3.9	4.0	98	92	89	94	C 0	C 0	C 0	0.0
23	101.4	99.1	99.0	99.8	-3.0	-1.6	-1.0	-2.5	-1.1	-5.0	3.9	-6.1	4.7	4.9	5.4	5.0	95	91	95	94	NW 2	NW 3	N 3	2.7
24	102.4	108.6	113.1	108.0	0.7	-0.6	-1.6	-0.6	0.8	-2.1	2.9	-3.0	6.0	5.1	5.1	5.4	93	87	95	92	N 3	NE 1	NE 1	1.7
25	117.3	117.6	117.9	117.6	-2.6	-2.3	-2.0	-2.4	-1.7	-3.3	1.6	-3.6	4.8	4.6	5.0	4.8	95	90	94	94	N 2	S 2	S 2	2.0
26	115.1	115.8	117.7	116.2	0.6	2.3	1.7	0.6	2.3	-2.1	4.4	-2.6	6.0	6.8	6.6	6.5	95	95	95	95	SSW 1	S 1	C 0	0.7
27	114.0	113.1	113.7	113.6	0.5	3.9	0.0	1.0	4.3	-0.6	4.9	-2.8	6.3	6.7	5.9	6.3	100	83	96	95	SW 1	S 3	SSW 1	1.7
28	119.6	121.4	119.7	120.2	2.8	5.3	0.3	1.9	5.4	-1.0	6.4	-8.1	7.0	7.5	6.0	6.8	94	84	96	92	SW 1	WSW 1	S 1	1.0
29	115.7	113.8	112.9	114.1	-1.0	3.3	1.2	0.6	3.4	-1.3	4.7	-5.1	5.4	5.9	5.4	5.6	94	77	81	86	SSW 2	SW 2	SW 1	1.7
30	114.4	112.6	108.5	111.8	1.4	1.9	1.1	0.7	2.1	-1.7	3.8	-8.2	5.6	5.6	5.4	5.5	83	80	81	82	SSW 1	SSW 2	SSW 3	2.0
M	108.5	108.7	108.8	108.6	0.6	3.4	1.4	1.2	3.9	-1.1	5.0	-4.5	6.0	6.5	6.3	6.3	91	81	90	88	1.1	1.5	1.1	1.2

Meteorological elements December 1999

Day	Atmospheric pressure 900+.....[hPa] 06h	12h	18h	M	Air temperature [°C] 06h	12h	18h	M	Air temperature [°C] Max	Min	Amp	+5cm Min	Vapour 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	95.8	93.1	92.3	93.7	4.4	5.7	5.5	4.3	6.4	1.0	5.4	-0.6	5.7	7.2	7.6	6.8	68	79	84	75	WSW 3	W 3	SSW 4	3.3
2	95.2	93.7	96.3	95.1	4.6	4.9	2.7	3.9	6.1	2.3	3.8	0.1	6.2	7.3	6.7	6.7	74	84	90	80	W 4	W 3	W 1	2.7
3	101.4	99.4	92.4	97.7	3.1	3.5	3.9	3.3	3.9	2.4	1.5	0.3	5.8	6.3	7.0	6.4	77	80	86	80	W 2	SW 4	SW 3	3.0
4	85.9	90.0	93.5	89.8	5.7	5.7	2.9	5.0	8.9	2.5	6.4	0.4	4.8	4.5	4.7	4.7	52	50	63	54	W 5	W 6	W 2	4.3
5	96.0	99.2	102.2	99.1	-2.8	2.3	-0.3	-0.9	2.9	-3.3	6.2	-7.1	4.8	5.3	5.4	5.2	96	74	91	89	SW 1	SW 1	S 1	1.0
6	106.9	108.9	106.7	107.5	-0.1	1.0	-1.3	-0.6	1.1	-2.0	3.1	-6.2	5.6	5.5	4.6	5.2	93	84	83	88	C 0	W 2	SW 3	1.7
7	98.9	97.9	96.6	97.8	1.5	3.5	4.7	2.2	4.5	-1.9	6.4	-2.1	6.5	7.5	7.7	7.2	95	95	90	94	SSW 3	SW 4	SW 3	3.3
8	91.2	96.1	100.4	95.9	5.2	6.1	5.5	5.1	6.4	3.3	3.1	2.5	7.7	6.4	6.4	6.8	87	69	70	78	W 3	W 3	W 2	2.7
9	97.5	95.2	93.0	95.2	2.5	6.1	4.6	3.7	6.9	0.9	6.0	-2.1	6.2	7.2	6.7	6.7	85	77	79	82	SSW 2	SSW 3	SSW 2	2.3
10	91.3	91.5	93.8	92.2	2.7	7.1	3.3	3.6	7.2	1.3	5.9	-2.1	6.3	7.5	7.0	6.9	86	75	91	84	SSW 1	SSW 1	SSW 1	1.0
11	97.9	97.1	94.1	96.4	1.9	4.5	3.3	2.6	4.5	0.8	3.7	-3.3	6.4	7.3	7.4	7.0	92	87	95	92	S 1	S 1	SW 1	1.0
12	86.4	84.8	83.4	84.9	4.6	9.8	7.6	6.0	9.9	2.0	7.9	0.4	7.5	8.6	7.2	7.8	88	71	69	79	S 2	S 3	S 3	2.7
13	85.0	87.2	92.1	88.1	5.8	8.0	3.5	5.2	7.9	3.5	4.4	-0.6	7.8	7.2	5.3	6.8	84	67	68	76	WSW 1	WSW 2	NW 1	1.3
14	91.3	87.3	83.6	87.4	-3.0	2.3	1.9	-0.3	3.4	-3.4	6.8	-6.9	4.5	5.6	6.2	5.4	92	77	88	87	S 1	S 2	S 3	2.0
15	84.1	86.1	89.1	86.4	0.1	2.3	1.7	1.0	2.6	-0.5	3.1	-4.1	5.7	5.8	5.3	5.6	93	80	77	86	SW 1	W 2	WSW 3	2.0
16	96.9	102.5	107.7	102.4	0.7	1.5	0.0	0.2	1.7	-1.5	3.2	-5.3	5.0	5.7	5.2	5.3	77	83	85	80	WSW 2	WNW 2	WNW 1	1.7
17	111.0	108.5	102.1	107.2	-0.8	0.8	-1.2	-0.8	0.9	-1.9	2.8	-4.7	4.5	4.3	4.1	4.3	77	67	73	74	SSW 1	SSW 4	S 3	2.7
18	93.1	93.8	95.0	94.0	0.1	1.5	0.8	0.4	2.3	-1.4	3.7	-2.7	5.7	6.5	5.0	5.7	93	95	77	90	SW 3	WSW 3	SW 2	2.7
19	93.4	94.0	95.6	94.3	-2.5	0.0	-3.8	-2.6	0.9	-5.0	5.9	-8.1	4.5	5.2	4.1	4.6	88	85	88	87	C 0	NW 1	C 0	0.3
20	101.6	103.2	104.7	103.2	-0.6	0.3	-1.4	-1.5	0.4	-4.4	4.8	-9.2	4.9	4.0	3.9	4.3	83	65	71	76	NW 1	NW 2	C 0	1.0
21	108.8	112.2	117.1	112.7	-2.0	0.1	-0.6	-1.6	0.4	-4.3	4.7	-9.5	4.9	5.0	4.5	4.8	92	81	78	86	NW 1	NW 2	NW 2	1.7
22	124.3	127.2	127.8	126.4	-5.4	-3.8	-4.8	-4.6	-0.5	-7.9	7.4	-12.4	3.8	4.3	3.9	4.0	93	92	91	92	W 1	W 1	SW 1	1.0
23	124.6	120.9	118.8	121.4	-4.6	-2.6	-5.3	-4.7	-2.5	-6.5	4.0	-8.0	3.5	3.1	3.0	3.2	80	62	73	74	SSW 3	S 5	S 2	3.3
24	117.9	115.4	112.8	115.4	-9.3	-3.7	-6.8	-7.4	-3.5	-9.9	6.4	-11.6	2.4	2.6	2.3	2.4	80	56	62	70	SSE 2	S 3	SSW 2	2.3
25	102.6	96.2	90.1	96.3	-7.5	-2.6	-3.0	-5.2	-2.1	-8.3	6.2	-10.6	1.9	2.3	3.4	2.5	56	46	69	57	S 2	SSE 4	S 3	3.0
26	86.9	84.5	78.0	83.1	-1.8	0.0	-2.1	-1.8	0.4	-3.5	3.9	-10.1	5.0	5.3	4.7	5.0	92	88	90	90	S 1	S 1	SE 2	1.3
27	70.6	73.8	77.8	74.1	0.4	-0.8	0.4	-0.4	0.4	-2.6	3.0	-5.1	5.7	5.1	5.5	5.4	91	88	88	90	W 2	NNW 2	W 2	2.0
28	81.0	81.8	84.0	82.3	-0.4	1.7	-1.6	-0.5	2.2	-2.1	4.3	-12.1	5.5	5.6	5.1	5.4	92	82	94	90	C 0	S 2	NE 1	1.0
29	87.0	90.8	93.6	90.5	-1.6	-0.6	-0.1	-1.0	-0.1	-2.3	2.2	-4.4	5.2	5.2	5.8	5.4	96	89	96	94	N 1	NW 1	NW 1	1.0
30	100.5	104.0	106.4	103.6	-0.7	-0.5	-1.3	-1.0	-0.1	-1.8	1.7	-3.6	5.0	4.7	5.2	5.0	86	80	93	86	W 2	W 2	W 1	1.7
31	108.0	109.2	111.2	109.5	-1.8	0.9	0.5	-1.1	0.9	-4.1	5.0	-3.9	5.1	6.1	5.9	5.7	94	93	93	94	S 1	NW 1	W 1	1.0
M	97.2	97.6	97.8	97.5	-0.1	2.1	0.6	0.3	2.7	-1.9	4.6	-4.9	5.3	5.6	5.4	5.4	85	77	82	82	1.7	2.5	1.8	2.0

January 1999

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	0	0	2.7	Sc	.	.	.	.
2	2	6	0	2.7	Ci	Ci	.	.	.
3	8	1	6	5.0	Sc	Ci	Ac	.	.
4	0	0	8	2.7	.	.	Sc	0.4	.
5	8	7	8	7.7	Sc	Cu,Ac,Ci	Sc	0.4	.
6	8	8	7	7.7	Sc	Ci,Cs	Sc	.	.
7	6	8	7	7.0	Cs,Ci,Ac	Ac,As	Sc	0.6	.
8	8	8	8	8.0	Sc	Sc	Sc	6.4	.
9	8	8	8	8.0	Ns	Ns	St	0.7	2
10	5	4	8	5.7	Ac	Cu	As	.	3
11	7	8	8	7.7	Ci,Cu	As	As	3.7	2
12	8	7	7	7.3	Ns	Sc,Cu,Ac	Sc	0.0	3
13	8	1	0	3.0	Sc	Ac	.	0.0	3
14	8	5	8	7.0	Ns	Ci,Ac,Cu	Ns	1.7	3
15	8	8	5	7.0	Ns	Ns	Sc	2.1	4
16	8	8	8	8.0	Sc	Ac,As	Sc	.	3
17	7	3	0	3.3	Sc,Ci	Ci	.	.	.
18	6	7	0	4.3	Ci	Cc,Ci	.	.	.
19	8	8	8	8.0				.	.
20	8	8	8	8.0				.	.
21	8	3	0	3.7		Ac	.	.	.
22	0	8	8	5.3	.	St		0.4	.
23	8	8	8	8.0	Sc	Ns	Ns	0.0	.
24	8	6	0	4.7	St	Ci,Cu	.	.	.
25	8	8	8	8.0	Sc	Sc	Sc,Cb	0.2	.
26	8	7	6	7.0	Ns	Sc	Sc,Cu	1.9	.
27	2	8	0	3.3	Ac	As	.	1.0	.
28	8	7	8	7.7	Sc	Sc	Sc	0.7	2
29	0	5	5	3.3	.	Ac	Sc	.	2
30	8	8	8	8.0	Sc	Sc	Sc	2.1	2
31	0	6	7	4.3	.	Cc,Ci	Sc	2.5	7
M	6.3	6.0	5.5	5.9				24.8	

February 1999

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	Ns	Ns	St	1.8	9
2	8	8	8	8.0	St	St	St	2.7	8
3	8	8	8	8.0	Ns	Ns	Ns	1.0	6
4	8	8	8	8.0	Ns	Ns	Sc	2.2	4
5	8	8	1	5.7	Sc	Cb	Ac	2.6	.
6	8	7	4	6.3	Sc	Ac,As,Cu	Cu	1.4	3
7	1	5	5	3.7	Ac	Cu,Ci	Ci	0.3	4
8	8	8	8	8.0	As,Ac	As,Cu	Sc	0.2	4
9	8	6	7	7.0	Ac	Cu	Sc	0.0	5
10	3	3	0	2.0	Ci	Cu	.	.	5
11	8	7	6	7.0	Ac,As	Cs,Ci,Ac	Ci	.	5
12	8	8	8	8.0	As	As	Sc	2.5	5
13	8	8	8	8.0	Sc	Sc	Sc	1.0	5
14	8	8	8	8.0	St	St	St	0.0	6
15	8	8	8	8.0	St	St	St	.	6
16	8	8	8	8.0	St	Ns	Ns	5.4	5
17	8	8	3	6.3	Sc	Ns	Ac	5.6	12
18	7	8	7	7.3	Sc	St	Sc	.	17
19	8	6	7	7.0	Sc	Cu	Sc	3.9	17
20	8	8	8	8.0	Ns	Ns	Sc	0.5	18
21	8	8	8	8.0	St	Sc	Sc	0.3	14
22	8	8	2	6.0	Sc	Sc	Ac	2.1	11
23	8	7	8	7.7	Sc	Sc,Ac	As	2.6	11
24	8	7	8	7.7	Sc	Sc	Sc	3.6	15
25	8	8	2	6.0	Ns	Sc	Ac	1.5	19
26	8	8	8	8.0	Sc	Ns	Ns	2.4	17
27	8	8	8	8.0	Ns	Ns		0.0	13
28	8	8	0	5.3	Sc	Sc			10
M	7.5	7.4	6.1	7.0				43.6	

March 1999

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	3	8	8	6.3	Ci	As	Ns	5.3	8
2	7	8	4	6.3	Cc,Ci,Cu	Sc	Ci	0.1	.
3	8	8	5	7.0	St	As	Ac,Cl	0.4	.
4	7	6	0	4.3	Ac	Cs,Ci,Ac	.	.	.
5	0	7	8	5.0	.	Cs,Ci	Sc	2.2	.
6	8	3	1	4.0	Sc	Cu,Ci	Cu	1.2	.
7	7	7	2	5.3	Ci	Sc,Cu	Ci	0.0	.
8	1	5	6	4.0	Ci	Cu,Ci	Ac	.	.
9	8	8	7	7.7	Sc	St	Sc	0.1	.
10	8	8	7	7.7	St	As	Sc	7.5	.
11	8	8	8	8.0	Sc	Ns	Ns	4.9	.
12	8	7	8	7.7	Ns	Sc,Cu	Sc	0.4	3
13	8	7	8	7.7	St	Sc	St	0.0	3
14	8	8	8	8.0	St	Sc	Sc	.	3
15	8	8	8	8.0	Sc	St	St	0.0	.
16	8	8	8	8.0	Sc	Ac,Cu	Sc	.	.
17	0	0	0	0.0	.	.	.	.	.
18	0	0	0	0.0	.	.	.	.	.
19	0	0	0	0.0	.	.	.	.	.
20	3	1	8	4.0	Ci	Ci	Sc	.	.
21	0	8	3	3.7	.	Cb	Cu,Ac	1.4	.
22	8	8	8	8.0	Sc	Sc	Sc	0.2	.
23	6	8	8	7.3	Ac,Ci	Sc,Cb	Sc	3.9	.
24	8	8	0	5.3	Sc	Sc	.	0.1	.
25	7	1	0	2.7	Sc	Ci	.	.	.
26	0	6	8	4.7	.	Ci	Ac	.	.
27	1	2	0	1.0	Ci,Cc	Cc,Cu	.	.	.
28	7	6	3	5.3	Ci,Ac	Ac	Ac	.	.
29	7	3	7	5.7	Ac	Cu,Ci	Sc	.	.
30	2	5	1	2.7	Ci	Ci,Cc	Ci	.	.
31	1	0	0	0.3	Ci	.	.	.	.
M	5.0	5.5	4.6	5.0				27.7	

April 1999

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	0	1	0.3	.	.	Ci	.	.
2	7	4	1	4.0	Ac,Ci	Cs,Cc,Ci	Ci,Cc	.	.
3	0	1	0	0.3	.	Cu	.	.	.
4	0	5	0	1.7	.	Ci,Cu	.	.	.
5	6	4	0	3.3	Sc,Cu	Ci	.	.	.
6	6	8	8	7.3	Cu	Ns	Ns	1.1	.
7	8	6	8	7.3	Sc	Cu,Ci	Ac,As	.	.
8	8	8	8	8.0	Sc	Sc	Sc	.	.
9	8	5	7	6.7	Sc	Cu	Ac,Ci	0.0	.
10	8	8	8	8.0	As	Sc	Sc	0.0	.
11	8	8	8	8.0	Ac,As	Sc	Ns	2.5	.
12	3	8	8	6.3	Cu	Sc,Cu	As,Ac	0.0	.
13	3	6	8	5.7	Ac	Cu	Sc	2.3	.
14	7	7	0	4.7	Ac	Sc,Cu	.	1.2	.
15	7	8	7	7.3	Cs,Ci	As	Ac	.	.
16	8	8	8	8.0	Sc	As,Ac	As,Ac	0.2	.
17	8	8	8	8.0	As,Ac	Sc	Sc	10.2	.
18	8	8	8	8.0	Sc	Sc	Sc	0.0	.
19	8	8	8	8.0	St	Ns	Ns	24.0	.
20	8	8	8	8.0	Ns	Ns	Ns	22.6	3
21	8	8	6	7.3	Ns	Sc	Cs,Ci	0.2	.
22	8	8	7	7.7	As	Ns	Ns	3.2	.
23	8	3	7	6.0		Cu,Ci	As,Ac	2.7	.
24	3	7	8	6.0	Ci	Sc,Cu,Ci	Sc,Ac	1.7	.
25	8	8	8	8.0	As,Ac	Sc	Sc	0.1	.
26	7	5	7	6.3	Ac,As	Cu	Sc,Cu	0.1	.
27	7	7	7	7.0	Ac.Ci	Sc,Cb,Ac	Sc,Cb	5.0	.
28	7	5	8	6.7	Sc,Ac	Cu	Cb	5.7	.
29	7	8	1	5.3	Ac	Cb	Ac,Cu	0.9	.
30	1	2	3	2.0	Ci	Ci	Ci,Cc	.	.
M	6.1	6.2	5.8	6.0				83.7	

May 1999

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	1	0	1	0.7	Cu	.	Ac	0.0	.
2	6	6	1	4.3	Ac	Cu,Ci	Cu	.	.
3	5	3	6	4.7	Cu	Cu,Ci	Cu,Ac	.	.
4	7	4	0	3.7	Sc	Cu	.	.	.
5	0	3	1	1.3	.	Cu	Cu	.	.
6	0	1	0	0.3	.	Cu	.	.	.
7	0	0	1	0.3	.	.	Ac	.	.
8	7	7	7	7.0	Sc	Ac,Cu	Ac,Ci	14.1	.
9	8	8	0	5.3	Ns	St	.	0.1	.
10	8	7	7	7.3	As	Ac,Cu	Cu,Ac	0.4	.
11	8	7	4	6.3	Ns	Cu,As	Cu	0.3	.
12	8	8	8	8.0	St	Sc	Sc	0.8	.
13	8	8	8	8.0	As	St	Cb,As	4.7	.
14	8	6	7	7.0	As	Cc,Ci,Cu	Sc,Ac	3.6	.
15	8	8	1	5.7	As	Sc,Cb	Cu	6.1	.
16	8	8	2	6.0	Sc	Sc,Cb	Ac,Ci	0.9	.
17	1	4	7	4.0	Ci,Cc	Cu	Sc,As	0.0	.
18	7	4	0	3.7	Sc	Cu	.	.	.
19	0	0	0	0.0	.	.	.	.	.
20	0	0	0	0.0	.	.	.	.	.
21	1	1	7	3.0	Ac	Ci,Cc	Ci,Cc	.	.
22	1	2	7	3.3	Ci	Cu	Sc,Cb	4.0	.
23	8	8	1	5.7	St	Cu,Cs	Cu	.	.
24	2	3	2	2.3	Ci	Cu	Ci	.	.
25	0	5	6	3.7	.	Cu,Ci	Cs,Ci	.	.
26	4	6	1	3.7	Ci,Cu	Cs,Ci,Cu	Ci,Cu	.	.
27	0	1	2	1.0	.	Cu	Ci	.	.
28	0	1	0	0.3	.	Cu	.	.	.
29	0	0	2	0.7	.	.	Ci,Cu	.	.
30	0	4	2	2.0	.	Cu	Ci,Cc	0.3	.
31	7	3	2	4.0	Cu,Ac,Ci	Cu	Cu	.	.
M	3.9	4.1	3.0	3.7				35.4	

June 1999

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	4	7	3.7	.	Cu	Sc	.	.
2	1	8	1	3.3	Ac	Sc,As	Cu	.	.
3	4	7	8	6.3	Ci	Ac,Ci,Cu	Ns	12.5	.
4	1	4	8	4.3	Ci	Cu	Cb	10.9	.
5	8	3	6	5.7	Sc	Cu	Ci,Cc	.	.
6	0	1	0	0.3	.	Cu	.	.	.
7	6	7	2	5.0	Cu,Ac,As	Sc,Ac	Cu,Ci	.	.
8	5	3	7	5.0	Ac,Cu	Cu	Ac	4.1	.
9	8	7	7	7.3	Ns	Sc	Sc,Ac	.	.
10	5	8	8	7.0	Ac	Sc,Ac	As,Ac	.	.
11	5	7	8	6.7	Sc,Cu,Ac	Cu,Cb,Ac	Cu,Cb,Ac	6.8	.
12	0	7	8	5.0	.	Cb,Cu	Cb,Cu	13.0	.
13	8	7	8	7.7	As	Sc	As	0.2	.
14	8	7	8	7.7	Sc	Sc	Cb	18.8	.
15	6	8	8	7.3	Ac	As,Ac,Cu	As	4.0	.
16	8	6	8	7.3	As	Ac	Sc,Ac	13.9	.
17	8	8	6	7.3	Ns	Ns	Cu,Ac	16.3	.
18	8	7	8	7.7	As	As,Cu	Sc,Cu,As	21.5	.
19	7	4	3	4.7	Sc	Ci,Cc,Cu	Ci,Cu	.	.
20	8	8	7	7.7	As	Sc,Cu	Sc	0.5	.
21	8	7	8	7.7	As	Sc,Cu,Ci	Ns	2.7	.
22	8	8	8	8.0	St	Ns	Ns	20.1	.
23	8	8	8	8.0	Ns	Ns	Ns	14.1	.
24	8	8	7	7.7	Sc,Cu,As	As	Sc,As,Ac	3.7	.
25	7	6	5	6.0	Ac,Cu	Cu,Ac	Ac,Ci	0.0	.
26	2	3	0	1.7	Ci,Ac	Cu	.	.	.
27	3	1	0	1.3	Ci	Ci	.	.	.
28	2	5	5	4.0	Ci	Ci,Cu	Ci,Ac	.	.
29	8	1	1	3.3	Sc	Cu,Ci	Cu	.	.
30	3	5	1	3.0	Ci,Ac	Sc,Cu	Ci	.	.
M	5.4	5.8	5.6	5.6				163.1	

September 1999

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	8	8.0	Ns	Sc	Sc	4.8	.
2	8	8	2	6.0	Ns	Ns	Ci	0.0	.
3	8	1	0	3.0	St	Cu	.	.	.
4	0	0	0	0.0	.	.	.	.	.
5	0	2	1	1.0	.	Ci,Cc	Ci,Cc	.	.
6	0	1	4	1.7	.	Ci	Ci,Cc	.	.
7	1	0	4	1.7	Ci	.	Ci	.	.
8	3	0	0	1.0	Ci	.	.	.	.
9	0	1	1	0.7	.	Cu	Ci	.	.
10	8	1	1	3.3		Ci	Ci	.	.
11	8	6	0	4.7		Sc,Cu	.	0.0	.
12	0	0	0	0.0	.	.	.	.	.
13	0	1	1	0.7	.	Ci	Ci	.	.
14	0	0	0	0.0	.	.	.	.	.
15	0	1	1	0.7	.	Cu	Ci	.	.
16	4	7	7	6.0	Ci	Ci	Ci	.	.
17	7	7	1	5.0	Ac	Ci,Cu,Ac	Ci	.	.
18	1	8	0	3.0	Ci,Cc	Cs,Ac	.	.	.
19	7	6	0	4.3	Cc,Ci	Ci,Cs	.	.	.
20	0	1	3	1.3	.	Ci	Ci	0.0	.
21	8	5	6	6.3	Sc	Ac,Cc	Ac	0.1	.
22	8	7	0	5.0	As	Cu,Ci	.	0.0	.
23	0	5	7	4.0	.	Cu,Ac,Cc	Ac,Sc	3.5	.
24	7	5	6	6.0	Ac,Cu	Cu,Ac	Sc,Ac	1.0	.
25	0	6	8	4.7	.	Cu,Ci	As	.	.
26	8	8	8	8.0	As,Ac	Ac,As	As	7.1	.
27	2	2	0	1.3	Cu	Cu	.	.	.
28	4	7	2	4.3	Ci,Cc	Ac,Cu	Ac	.	.
29	7	5	0	4.0	Sc	Cu	.	3.5	.
30	8	8	5	7.0	Sc	As,Cu	Ac,As,Cu	0.9	.
M	3.8	3.9	2.5	3.4				20.9	

October 1999

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	6	7	7.0	Sc	Cu,Ci,Ac	Sc,Cb	0.1	.
2	0	0	0	0.0	.	.	.	.	.
3	3	3	8	4.7	Ac,Ci	Ac,Cc	Sc	0.0	.
4	8	8	8	8.0	Ns	Ns	As	11.9	.
5	8	8	6	7.3	Ns	Ns	As,Ac	16.2	.
6	8	8	8	8.0	Ns	Cu,As	Ns	2.0	.
7	8	7	2	5.7	Sc	Sc	Cu	.	.
8	8	7	8	7.7		Sc	Sc	0.1	.
9	8	8	8	8.0	Ns	Ns	Ns	9.1	.
10	1	7	2	3.3	Ac	Sc,Cu	Ac	.	.
11	8	8	7	7.7	St	St	Sc	2.2	.
12	5	7	1	4.3	Ci,Cu	Cs,Ci,Cu	Ac	0.1	.
13	7	7	3	5.7	Sc	Sc,Ac,Cu	Ci,Ac	2.8	.
14	8	7	0	5.0	Ns	Sc	.	7.1	.
15	6	8	7	7.0	Ac,Sc	Sc	Sc	3.4	.
16	8	8	5	7.0	Ns	As,Ac,Cu	Sc,Ac	6.2	.
17	8	7	6	7.0	Ac	Sc	Cu	0.0	.
18	3	7	1	3.7	Ci	Cb,Cu,Ac	Ac	0.1	.
19	8	7	8	7.7	Ac	Sc	Sc	.	.
20	8	8	0	5.3	Sc	Sc	.	.	.
21	0	1	0	0.3	.	Cu	.	.	.
22	7	7	7	7.0	Cs,Ci	Ci,Cs	Ac	.	.
23	7	6	7	6.7	Ci,Ac	Ci	Ac	.	.
24	8	8	8	8.0	As,Ac	Ns	Sc	0.2	.
25	7	5	8	6.7	Sc	Ci	Sc	.	.
26	5	3	0	2.7	Ac	Cu	.	1.0	.
27	8	7	6	7.0	Ns	Sc,Cu	Ac,As	0.8	.
28	8	8	7	7.7	Sc	Sc	Sc	0.0	.
29	1	6	0	2.3	Cu	Cu,Ci	.	.	.
30	0	4	0	1.3	.	Ci	.	.	.
31	4	1	8	4.3	Ci	Ci	Sc	0.0	.
M	5.9	6.2	4.7	5.6				63.3	

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	0	1	0	0.3	.	Ci	.	.	.
2	7	8	6	7.0	Ac,Cu	As,Ac	Ac	0.0	.
3	8	7	5	6.7	Ac	Sc,Ci	Ac	.	.
4	8	8	8	8.0		St	St	.	.
5	8	8	0	5.3	St	St	.	.	.
6	8	6	4	6.0	Ac	Ci,Cc	Ac	.	.
7	4	8	8	6.7	Ci,Cc	St	St	0.4	.
8	8	8	8	8.0		Ns	Ns	2.9	.
9	8	7	2	5.7	Ns	Ac,Ci	Ci	.	.
10	8	8	8	8.0	Sc	As,Ac	As	0.2	.
11	0	0	0	0.0	.	.	.	.	.
12	8	8	5	7.0	As	As,Cu	Sc	0.0	.
13	8	0	6	4.7	Sc	.	Ac	.	.
14	8	8	4	6.7	Sc	Sc	As	3.8	.
15	8	1	8	5.7	Ns	Cu	Sc	1.0	3
16	8	2	0	3.3	Ns	Cu	.	.	3
17	8	8	8	8.0	As,Ac	As	Sc	0.1	3
18	8	8	8	8.0	Sc	Ns	Ns	10.9	3
19	8	8	8	8.0	Ns	As	As	0.6	15
20	8	8	8	8.0	Ns	Ns	Ns	9.8	12
21	8	8	8	8.0	Ns	As	Sc	0.2	25
22	8	8	8	8.0	Sc	As	As	1.5	21
23	8	8	8	8.0	Ns	Ns	Ns	15.7	21
24	8	8	8	8.0	Ns	Sc	Sc	0.0	34
25	8	8	8	8.0	St	St	St	0.7	29
26	8	8	8	8.0	Ns			0.4	26
27	0	7	2	3.0	.	Ci,Cs	Ci,Ac	.	20
28	8	8	3	6.3	Sc	Sc	Sc	.	18
29	4	8	5	5.7	Cs,Ci	Ci,Cs	Ci	.	16
30	8	8	4	6.7	Sc	St	Ac	.	15
M	6.9	6.6	5.5	6.3				48.2	

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	6	7.3	Ns	Sc	Sc	2.2	12
2	6	8	8	7.3	Sc	Cb	Sc	2.9	4
3	8	8	8	8.0	Sc	Sc	Sc	1.2	.
4	4	3	6	4.3	Cu	Cu	Sc	0.0	.
5	1	8	4	4.3	Ci	As,Sc	Ac	0.1	.
6	8	8	7	7.7	Ns	Sc	As	2.5	0
7	8	8	8	8.0	Ns	Ns	Ns	2.5	1
8	8	8	8	8.0	Ns	Sc	As,Ac	0.3	.
9	8	7	7	7.3	Sc	Sc,Ac	Cs	.	.
10	7	7	2	5.3	Ac	Ac	Ci	.	.
11	8	8	7	7.7	As,Ac	As	Sc	0.3	.
12	8	8	8	8.0	Sc	Ac	Sc	1.2	.
13	6	8	8	7.3	Ac	Cu,Ac	Sc	0.2	.
14	0	7	8	5.0	.	Sc,Ac	Sc	0.5	.
15	6	8	8	7.3	Sc,Ac	Sc	Sc	0.0	.
16	8	8	8	8.0	Sc	Ns	Sc	0.1	.
17	4	5	5	4.7	Sc	Sc	Cs,Ci,Ac	1.0	.
18	8	5	2	5.0	Ns	Cu	Cu	1.1	1
19	0	7	0	2.3	.	Ci,Cc,As	.	0.0	1
20	8	8	0	5.3	Sc	Sc	.	.	1
21	7	6	8	7.0	Ac,Cu	Ac,Cu	Sc	0.0	.
22	8	8	8	8.0	St	St	St	0.0	.
23	8	0	0	2.7	Sc	.	.	.	.
24	0	2	2	1.3	.	Ci,Cc	Ci	.	.
25	3	7	8	6.0	Ci	Ci,Cs,Cc	As	6.9	.
26	8	1	7	5.3	As	Cu	As,Ac	6.6	8
27	8	8	8	8.0	Sc	As	Sc	0.1	14
28	8	8	8	8.0	Sc	Sc,Ci,Ac	Sc,Ac	.	13
29	8	8	8	8.0	St	As	Sc	0.4	12
30	8	8	7	7.7	Sc	Sc	Sc	2.0	13
31	8	8	8	8.0	Ns	Ns	Ns	0.2	16
M	6.3	6.7	6.1	6.4				32.3	

Meteorological elements January 1999

Day

1 ⌴00:00-a,⌴p-np
2 ⌴00:00-a,⌴p-np
3 ⌴00:00-a,⌴ p-np
4 ⌴00:00-09:45,≡n-09:00,=09:00-13:00,●22:13-22:38,●22:55-23:33,●23:53-24:00
5 ●00:00-00:30,●01:10...02:06,●14:15...15:23,●15:33...20:34
6
7 ●13:00-14:40,●15:07...16:25,●18:03...19:21,⌴n-a
8 ●03:22-03:52,●13:54-24:00
9 ●00:00-(00:50),☽(00:50)-02:50,☽02:50-09:59,=10:00-14:00
10

11 ☽15:04-22:52,☽23:10...24:00
12 =n-07:00,☽00:00...02:27,☽03:08-04:10,☽17:10...18:22
13 ☽01:40...04:53
14 ⌴n-07:00,=n-10:00,☽04:26...04:58,⌂08:25...08:34,☽16:34-23:14
15 ☽00:08...01:33,☽04:32-04:34,☽09:55-11:57,●12:10...12:21,●14:58-15:09,●23:04...24:00
16 =na-08:30,●00:00...01:02,●01:28-03:17,●14:37-14:42
17
18 ⌴n-09:30,=n-a,≡17:00-20:00,≡20:00-24:00
19 ≡00:00-24:00,V n-24:00
20 ≡00:00-07:00,V00:00-24:00,≡07:00-15:00,≡15:00-24:00

21 V00:00-a,≡00:00-a,≡p-np,Vp-24:00
22 V00:00-09:10,=n-16:00,☽10:17...13:58,☽13:58-15:32,≡16:000-np
23 =n-a,☽08:00...11:41
24 =n-09:50,●21:06-21:15
25 ●00:05-00:13,●17:59-18:04,●21:53-22:44
26 ●02:09...03:46,●03:46-11:28
27 ≡n-09:00,⌴n-a,=09:00-10:30
28 ☽03:08-06:37,☽18:32-20:47
29
30 ☽06:04...10:24,☽10:24-16:22

31 ☽06:15-06:47 ☽11:22. 24:00

Meteorological elements February 1999

Day

1 ≡p-24:00,* 02:08-13:37,9 14:29-15:57,● 18:44...18:02,9 19:28-24:00
2 9 00:00...04:13,9 05:43-07:14,9 07:31-08:18,9 09:17...09:44,* 10:08-11:50,● 11:50-12:34,● 13:16...15:21
● 15:21-17:55,● 18:31-20:30,● 21:27-22:33,≡ 00:00-a-p-np
3 * 00:43-02:56,* 04:44-(09:10),● (09:10)-13:32,● 15:31-16:16
4 ● 07:50...11:26,● 11:26-13:56,● 13:56...23:47
5 ● 07:03...08:06,● 10:55...11:33,* 11:52-13:30,⍓ 13:30-13:46,* 15:51...17:10,* 22:01-22:29
6 * 00:19-01:14,* 06:48-07:20,● 09:15...11:22,* 12:45...14:17
7
8 * 02:39-05:30,* 07:31...07:46,* 11:44-13:59,* 13:59...18:01
9 ⌴ n-08:10,* 07:01...08:02
10 ⌴ n-08:25,≡n-a,⌴ 17:00-24:00

11 ⌴ 00:00-a
12 * 14:18-14:52,⍓ 17:50-18:20,* 18:20-18:45,* 22:20-22:48
13 * 00:08-03:54,* 03:54...05:11,* 16:00...16:43,* 16:43-17:48
14 * 02:10-02:25,⍓ 02:44...05:54
15 ⍓ 00:51...05:00
16 * 09:11-09:27,* 10:30-18:28,* 19:06-20:43,* 21:48...24:00
17 * 00:00...02:31,* 07:29-09:24,* 09:24...10:40,* 10:40-13:51
18
19 * 10:58-a,* 23:46-24:00
20 * 00:00-(05:50),●(05:50)...10:58,≡na-09:00

21 ⍓ 00:17-00:20,⍓ 04:16-04:21,⍓ 06:18...07:18,* 10:40-10:48,* 14:21...10:02
22 * 02:50-(08:30),* 12:18-13:31
23 * 02:06...02:37,* 06:18-06:59,* 15:15-16:35,* 18:55...24:00
24 * 00:00...02:40,* 03:01-04:56,* 04:56...19:51,* 22:31-24:00
25 * 00:00-08:26,* 08:26...11:31,* 22:37...22:52
26 * 00:40-01:22,* 03:56...08:45,* 08:45-(16:00),● (16:00)-21:41,● 22:31-24:00
27 ● 00:00-04:53,● 11:35...11:59,≡ n-10:00,≡ 16:00-np
28 ≡ na,≡a

Meteorological elements March 1999

Day

1 ≡1n-a,⌴0n-a,●0 12:04...13:25,●0-1 14:20-18:29,●1 18:29-21:34,●1-0 21:34-24:00
2 ●0 00:00-03:26,●0 11:27...12:01
3 ≡n-a-p,≡17:00-18:20,●0 03:33...(06:00),●0 (06:00)...08:40,●0 08:30-10:04,●0 11:44...12:08
4 ▲0 17:00-np,≡n-a
5 ●0 18:25-24:00
6 ●1 00:00-00:15,●1 00:15-03:01,●0 04:11-04:44,●0-1 06:59-08:41
7 ⌴0n-07:40,●0 09:41-09:46,●0 22:49...23:33
8 ⌴0n-07:00
9 ⌴0n-07:00,≡n-08:00
10 ≡a-p,●0 08:39...12:21,●0 23:04-23:31,●1 23:31-24:00

11 ≡1n-08:20,●0 00:00-04:09,●0 04:09-08:27,*0-1 11:55-16:12
12 *0 01:52...05:21,*0 05:52-10:22,*0 12:17-12:42
13 ⍙0 04:30-06:58,⍙0 06:58...08:50
14
15 ⍙0 08:47...12:22,⍙0 17:24-17:27
16
17 ⌴0n-07:00
18 ⌴0n-08:30,⌴0 17:30-24:00
19 ⌴0 00:00-07:30,⌴0 17:50-24:00
20 ⌴0 00:00-07:00

21 ●0 08:31...08:52,●0 10:45-11:10,⍓1 11:10-11:33,*0 11:33...13:47,●1 14:21-15:09,●0 15:54-17:29
22 ⍓1 05:58...07:06,●0 17:14...18:44,●0 19:33...19:42,≡0n-a
23 ●0-1 08:09-08:49,●0 09:22...11:06,●0 11:51...14:06,●0 16:51...17:01,●0-1 17:34-22:44,●0 23:38...24:00
24 ●0 00:00...02:38,●0 04:04-06:09,⌴0 17:55-24:00
25 ⌴0-01:54,●0 01:54...02:36
26 ●0 12:20-12:40
27
28 ●1 06:06-08:00
29 ⌴0n
30

31 ⌴0n

Meteorological elements April 1999

Day

1 ⌴0n-06:10
2 ●0 08:10-12:20
3 ⌴0n-06:20
4 ⌴0n
5
6 ●0-1 06:02-08:34,●0 09:49-11:07,●0 11:37-12:13,●0 12:50-17:44
7 ●0 01:35...03:50
8
9
10 ●0 05:50...06:55

11 ≈03:00-07:00,●0 15:15...16:38,●0-1 18:07-19:35,●0 19:35-24:00
12 ●0 00:00-00:41,●0 10:21-10:25
13 ●0 16:27...18:45,●0 18:12...19:04,●0-1 20:45-24:00
14 ●0 00:00...00:46,●0 10:09-10:13,●1 12:28-13:11,●1 12:28-13:11,●0 15:10-15:24
15 ●0 06:00-06:15,⌴0n
16 ●0 08:51-08:53,●0 11:32...13:04
17 ●0 00:27...01:31,●0-1 04:18-09:54,●0 11:28-12:09,●1 12:52-13:53,●0 15:25-18:35,●1 18:35-21:25,●0 21:25-24:00
18 ●0 00:00-01:50,●0 02:30...04:45
19 ●0 04:33...04:43,●0 07:16-07:17,●0 08:16...08:42,●0-1 08:42-18:30,*1 18:30-24:00
20 *1-0 00:00-na,●1 na-16:58,●0 18:57-19:26,●0-1 21:45-24:00

21 ●0 00:00-01:55,●0 03:07...05:06,●0 05:23-05:31,●0 08:30-08:38,●0 07:14-07:18,●0 10:38-10:45
22 ●0 04:37-16:59,≡1 p-24:00
23 ≡1 00:00-06:20,≈06:20-08:30,(R)0 SE14:02-E-NE16:10,●0-1 14:39-15:52,●0 16:04...16:45,≈17:25-np
24 ●1 12:14-12:35,●0 19:47-19:50,●0 23:58...24:00
25 ●0 00:00...00:35,●0 02:50-06:47,●0 07:58...09:58,●0 11:07...11:29,●0 13:25...14:17,●0 15:34-15:40,●0 16:11-16:21
26 ●0 23:44...24:00
27 ●0 00:00-03:08,●0 11:29-11:32,●1 12:21-12:36,●0 12:58-12:59,●1 13:39-13:50,●0 14:14-14:18,●1 15:39-17:31
●0 18:35-19:49,(R)0 NE13:04,(R)0 SE14:56-E-NE15:50
28 ≡0 na-05:40,(R) WNW14:35-N-NNE16:40,●0 15:14...15:34,●2 17:58-18:55,(R)0 W17:40-R2 18:07-18:35(R)0 E18:50
29 ●0 10:06...10:57,●1 11:44-12:13,●0 12:41...13:18
30 ⌴1n

Meteorological elements May 1999

Day

 1 ⌴0n,●0 23:38...24:00
 2 ▲0n-07:00,●0 00:00-00:28,●0 02:09-02:11
 3 ▲0n
 4 ▲0n
 5 ⌴0n-08:20
 6 ⌴0n
 7 ⌴1n
 8 ⌴0n,●0 20:29-21:47,●1 21:47-24:00
 9 ≡0na-06:20,●1 00:00-06:57,●0 06:57-07:07,9 0 09:54-12:23,9 0 13:56-14:06
10 ●0 06:09...06:51

11 ●0 03:41-04:14,●0-1 07:57...10:16,●0 11:06...12:34
12 9 0 05:01-06:55
13 ●0 02:55-07:11,●1 07:11-09:11,●1-0 09:11-11:03,●1 18:33-19:18,(R)0WSW17:52-W-NW19:18
14 (R)0SW14:15-W-NW15:10,≡17:50-np,●1 14:38-15:19,●0 15:39-15:57,●0 17:05-17:35
15 (R)0SSW11:37-S-SE11:46,●0 05:54-09:07,●0 10:33-10:42,●1 10:46-12:10,●0 14:44-14:51
16 ●0 07:53-08:01,●0 08:51-11:15,●0 11:44-13:12,●0-1 14:00-14:33,●1 15:47-15:59
17 ●0 17:49...18:13
18
19 ⌴0n
20 ▲1n-08:20

21
22 ▲1n,(R)0W18:38-NW-N17:25,(R)1NW19:17-R 0 19:30-19:46-(R)0SW20:03,(R)0N20:10-R 0 20:16-20:21(R)0SW20:57,●1 19:33-19:58,●0 20:44-24:00
23 ⊕1a-12:10,●1-0 00:00-00:06
24 ▲1n-a
25 ▲1n-07:00
26 ▲0n-05:30,●1a-12:40
27
28
29
30 ⌇0W21:06-21:15,(R)0W21:30-WSW-SW22:10,●0 21:50-21:59

Meteorological elements June 1999

Day

1

2

3 ●0-1 14:44-20:20,●1 20:20-22:32

4 ●0 01:32-03:35,(R)0 WNW17:15-R0 18:16-18:38-(R)0 SE18:56,●0 17:20-17:30,●1-2 17:30-19:48,●0 21:06-23:48

5 ●0 00:21-01:15

6 ▲0 n-07:00

7 ▲0 n-07:30

8 ▲1 n-s,<0 NNW20:28-20:50,(R)0 W00:30-NW-N(02:30),●0 21:03-21:07

9 ●0-1 00:58-03:19,●0 03:48...06:23

10

11 ●1 12:07-12:09,▲1 12:09-12:13,●0 12:13-12:30,▲0 12:30-12:31,●0 12:31-12:53,(R)0 SE11:56-E-NE12:40,●0-1 16:06-17:19
(R)0 SW16:06-S-SE17:30,<0 19:50-21:36

12 (R)0 S11:20,●1-2 13:50-14:23,▲0 15:02-15:10,●1 15:10-16:30,●1 16:06-16:40,(R)0 SSE14:40-R0 15:06-15:15-(R)0 NE15:40
●0 17:07...17:22,(R)0 S15:50-SE-E17:06

13 =n-07:00,●0 19:41...20:10

14 (R)0 S01:47-E-ENE04:07,(R)0 E16:37-R0 17:42-18:10-(R)0 W18:26,●1-2 17:33-19:21,(R)0 N18:36-N-NW19:06

15 ●0 10:24-12:27,●0 17:13...17:26,●0 18:56...20:36,●0 23:42-24:00

16 ●0 00:00-03:12,●0-1 03:50-05:22,●0 06:44...-7:36,●0 08:49-09:06,●1-2 20:33-22:23

17 ●1 01:32-03:27,●0-1 04:37-06:46,●1-2 06:20-08:59,●0 09:25...11:56

18 ●0 07:54-08:54,●0 10:44...10:57,●0-1 15:19-17:54,●0 18:49...20:17,●0-1 20:52-22:57,(R)0 SW15:20-R0 15:36-16:14-(R)0 ENE16:43
(R)0 S18:30-R0 18:40-18:50-(R)0 N19:50,(R)0 NE20:10-R0 20:50-21:25-(R)0 SSW22:45,●0 23:47-24:00

19 ●0 00:00-00:12

20

21 (R)0 SW13:03-W-NW14:15,●0 04:19-04:53,●0 05:23-07:16,●1 13:21-13:42,●0-1 15:03-15:59

22 ●0 03:21-07:58,●0-1 08:41-12:20,●1 14:47-16:13,●1 16:41-18:05,●1-2 18:28-20:28,●1 20:43-21:45,●0 22:49-24:00

23 ●0 00:00-03:54,●1 03:54-08:49,●0 08:49-11:10,●1-0 11:10-20:52,●0 20:52...24:00

24 ●0 00:00...01:41,●0 10:36-12:21,●1 12:21-13:40,●0 13:40-18:20,●0 17:02-17:12

25 ●0 13:33...13:46

26 ▲0 n-07:00

27 ▲0 n-06:40

28 ▲0 n-07:00

29

30

Meteorological elements July 1999

Day

1 ▲1n-08:10
2 ▲0n-07:00
3 ▲0n-08:30,●0 10:18-10:20,▲0 19:30-np
4
5
6 ●0 21:25-21:47
7
8 ●0 03:43-04:16,●1 08:25-08:45,10:52-11:12,●1 17:42-17:50,●2 21:45-24:00,(R)0 ENE22:05-E-S(23:25),(R)0 W08:18-SW-S07:52
9 ●2 00:00-02:19,●2 02:42-04:33,●0 04:55...06:11
10

11 ▲1n-05:50
12
13 ●0 13:01-13:07
14 ●0 04:49...05:22,●0 12:02-12:06,●1 18:01-19:17,●0 19:51...20:09,(R)0 E12:37-ENE-NE12:49,(R)0 SE17:45-E-NE19:08
15 =na-09:00,●1-2 00:03-02:42,●0 02:42-03:41,●1 03:41:05:21,●0 05:21...07:40,●0 10:11-10:26
16 ▲0n-07:07:00,●1 12:02-12:29,●0 13:39...14:15,(R)0 SW13:34-WSW-W14:05
17
18 ▲1n-07:10
19 (R)0 NW12:35-W-SW14:10,●0 13:07...13:41,●1 13:43-14:00,●0 15:03...15:12,●0 15:46-15:54
20 ▲1n-07:25

21 ▲0n-06:10,●0-1 11:36-11:54
22 ●0 01:15-01:18,●0 02:44-02:46,●0 06:15...06:32
23 ▲0n-06:50,●0 11:22-11:24,●0 12:04...13:19
24 ▲0n-06:10
25 ▲0n-06:30
26 ▲0n-06:30
27
28 ●0-1 17:20-17:45
29
30

Day

1

2

3

4

5

6

7 ▲0n-05:40

8 ●0 08:58...09:12,●0 09:49-09:58

9 ▲0n,●0 16:53...18:43

10 ●0-1 13:02-13:08,●0 13:36-13:41,●0 15:46...17:50,●0 18:33-18:36,●0-1 18:43-19:42,●0 19:42...21:45

11 ●1 22:42-23:51

12

13

14 ▲0n-06:30,●0 08:38...09:06,●0 09:49-09:52

15 ●0 10:31-10:43,●0 11:28-11:31,●0-1 12:24-12:52,●0 13:04-13:06,●1 13:51-14:31,(R)0SW13:40-R0 13:50-14:03-(R)0NNE14:20,=17:20-np

16 ●0na-07:00

17 ▲1n-07:50,●0 11:08-11:13,●0 11:20...13:31,●1 14:13-18:23,(R)0S14:00-SSW-SW14:40,=17:30-np

18

19 ●0-1 03:22-03:37,●0 03:47...06:14,●0 06:37-06:40

20 ▲0n-06:45

21 ▲0n-07:30,(R)0SW16:05-S-ESE17:25,●1 18:43-19:02,●0 19:11-19:14,●1-2 19:29-20:41,●1 23:09-24:00

22 =na-06:20,●1 00:00-00:53,●0 01:35-01:39

23 ▲1n

24 ▲1n-07:00,●0 14:31...15:07

25 ▲1n-07:30,=n

26 ▲1n-a

27 ▲0n-07:20

28 =17:00-np,●0-1 15:30-16:40,●0 19:37-19:50,●0-1 20:27-20:59

29 =n-06:20,▲1 17:45-24:00,●0 04:21-04:40

30 ≡2na-05:15,≡1 05:15-05:50,≡0 05:50-06:25,▲0 17:55-24:00

31 ▲1 00:00-07:45,●0 (17:50)-24:00

Meteorological elements September 1999

Day

1 ●0 00:00-08:47,●0 11:13-11:35,●0 12:41-13:17,●0 17:02-20:44,●0 21:21-24:00
2 ●0-1 00:00-00:37,●0 00:49-01:10,●0 02:15-02:39,●0 02:42-02:47,●0 03:17-03:25,●0-1 03:50-08:01,●0 07:48...12:18,=17:50-np
3 ▲1 n-a,≡0 na-06:30,=06:30-08:20,▲0 17:40-24:00
4 ▲0 00:00-a
5 ▲1 n-07:00
6 ▲0 n-07:30
7 ▲0 n-07:20
8 ▲1 n-07:00,=n-08:30
9 ▲0 n-07:40
10 ≡1 n-08:10,≡0 08:10-08:30,=08:30-07:10

11 ≡1 n-08:05,≡0 08:05-08:20,=08:20-07:30,●0 11:12-11:16
12 ▲1 n-07:30
13 ▲0 n-07:00
14 ⌴0 n-08:10
15 ⌴0 n-08:10
16 ⌴ n-08:15
17
18 ▲0 n-08:50,●0 10:30-10:50
19
20

21 ●0 02:57-03:14,●0 03:44-03:49
22 ●0 00:28...00:34,●0 00:59...03:14,●0 05:06...07:27
23 ▲0 n-08:10,(SSW18:10,●0 20:53-21:40,●0 22:19-22:22
24 ●0 00:19-00:22,●0 00:58-00:59,●1 02:14-03:47,●0 13:25-13:38,●1 17:00-17:28,(R)0 SWO1:38-S-SE03:20,(R)0 WSW16:38-S-SE17:48,●0 23:22...24:00
25 ≡0 n-08:20,▲0 17:40-np,●0 00:00...01:48,●0 19:48...20:25,●0 22:14-22:15
26 ▲0 na-a,●0 16:49...21:19,●1 21:19-24:00
27 ●1 00:00-01:47,●0 01:47-02:08
28 ▲1 n-08:40,≡0 n-05:40,▲0 17:30-np
29 ▲1 n-08:30,▲0 17:30-np,●0 08:23...08:30
30 ●0-1 01:49-05:01,●0 08:04-09:53

Meteorological elements October 1999

Day

1 ●0 00:20...01:30,●0 04:06...04:56,●0 06:32...07:57,●0 13:32...14:08,●1 18:00-18:18

2

3 ▲0 np-na,●0 22:03...22:28

4 ●0-1 04:27-09:20,●0 09:40...11:19,●0 21:37-24:00,●0 22:00-24:00

5 ≡n-06:20,●0 00:00-02:37,●1 02:37-09:22,●0 09:22-10:52,●1 10:52-13:24,●0 13:24...15:17,●0 15:25-15:48,●0 21:55-24:00

6 ●0 00:13-01:13,●1 01:13-05:48,●0 05:48-07:50,●0 13:30...16:30,●0 18:45-22:01

7 ≡17:20-np,▲0 17:10-np,●0 12:07-12:32

8 ≡1 na-07:00,≡0 07:00-07:40,●0 17:17-17:36,●0 18:55...20:26

9 ●0 05:53-06:01,●0 09:01-10:00,●0 11:59-12:32,●1 14:10-15:41,●1 20:43-21:33

10

11 ●0 06:38-06:49,●0 07:49-10:08,●0 10:31-10:41,●0 12:50-13:02,●0 13:42...17:50

12 ●0 15:59-16:02

13 ▲1 na-07:50,●0 14:18-14:26,●0 22:10-24:00

14 (R)0 NW15:18,●0 00:00-00:39,●1 08:46-10:26,●0 11:23...13:16,●0 14:52-16:03

15 ●0 01:41...02:02,●0 06:26-06:35,●0 08:43-10:13,●0-1 11:58-12:30,⌒2 13:45-14:06,●0 14:31-14:36,●1 14:45-15:20,●1 15:30-15:24

16 ●0 02:07...05:51,●0 09:36...10:15,▲2 10:15-10:20,●0-1 10:20-11:16,▲2 11:16-11:22

17 ●0 08:43...09:44

18 ≡0 na-06:15,≡06:15-06:50,≡15:00-17:00,≡0 17:00-20:00,●0 11:07...12:06

19 ⌴0 n,●0 20:25...20:30

20 ⌴0 17:00-24:00

21 ⌴0-1 00:00-07:20

22 ⌴0 n-06:20

23

24 ●0 03:05...04:57,●0 07:01-11:34,●0 13:56-14:44

25

26 ▲1 n-06:30,▲0 16:00-np,●0 00:33...01:42,●0 21:51-21:59,●0 22:33-22:38,●1 23:21-23:50

27 ●0 02:31-02:38,●0 04:08-04:31,●0 05:43...07:43,●0 12:09-12:22,●1 12:54-13:20

28

29 ≡0 na-05:00,≡06:00-07:50,●0 01:19...01:59

30 ⌴0 n-06:45,≡0 n-07:00,≡07:00-08:30

31 ⌴0 n,●0 16:49-16:59,●1 18:12...20:12

Meteorological elements November 1999

Day

1

2 ▲ n-10:00

3 ● n, ▲ p-np

4 ≡ n-08:00, ≡ 08:00-10:30, = 10:30-11:00

5

6

7 = a-a, ≡ 13:00-18:00, ≡ 18:00-24:00, ☽ 14:23-15:47, ☽ 17:50-19:39, ☽ 19:39...23:37

8 ≡ 00:00-08:20, = 08:20-a, ☽ 02:13...04:59, ● 06:05...06:55, ● 07:55-13:15, ● 14:18-16:28, ● 16:28-17:23, ● 17:43...21:34

9

10 ▲ 08:31-08:35, ● 08:35...08:28, ● 10:09-11:16, ● 18:01-16:21, ● 17:58...19:10

11 ⌴ n-07:20, ⌴ p-24:00

12 ⌴ 00:00-08:00, = n-07:20, ≡ 07:20-08:00, = 08:00-10:00, ● 08:33...10:21

13

14 * 04:55...06:15, * 06:15-13:22, * 14:01...15:23

15 * 08:31-08:28, * 08:28...10:00, * 17:20...17:28

16 ⌴ p-24:00

17 ⌴ 00:00-08:44, * 08:44...11:11, * 11:27...12:28

18 ⌇ n-a, * 07:32-12:34, * 12:34-24:00

19 * 00:00-02:58, * 03:59...05:29, * 07:06...09:53, * 10:53-10:59

20 * 02:51...04:12, * 04:52-16:33, * 20:31-24:00

21 * 00:00-05:45, * 06:02...09:45, * 11:47...15:41

22 ⌴ n, = 14:20-p

23 * 00:58-13:44, * 13:44-19:09, * 19:09-22:00, * 22:00-24:00

24 * 00:00-00:45, * 15:00-15:52, * 17:37...20:05, * 23:05-24:00

25 * 00:00-03:10, △ 03:27...08:38, △ 08:40...13:34, ● 22:38-24:00, = 16:00-np

26 ● 00:00-01:18, ● 05:17...06:13, ● 08:38...15:17, ≡ n-10:00, ≡ 10:00-a-p-np

27 ⌇ na-08:00, = 08:00-09:15, ● 23:42-23:48

28 ● 00:33...01:32, = 15:30-np

29 ⌴ n-a, ● 06:30-a

30

Meteorological elements December 1999

Day

1 ●01:38...01:33,●05:08...08:29,●09:42-09:48,●11:18...14:03,●15:50...15:55,●16:11-16:18,●16:38-17:55,●20:37-22:48
2 ●10:14-14:11,●14:11...15:55,●18:36...19:36,●21:09-24:00
3 ●00:00-00:22,●01:37...01:44,●09:27...10:40,●14:45-16:41,●16:41-18:24,●22:08...22:39
4 ●00:39-01:28,●09:31...10:12
5 ⌴n,»13:47-14:48,»17:25-17:33,»21:44-22:44
6 »04:07...07:24,»08:21...11:17,»20:56-22:05,»22:53...24:00
7 »00:00...00:03,»00:58-(04),●(04)-15:31,●15:31...18:48,●19:21-19:24,●20:48...21:27,●22:08-24:00
8 ●00:00-00:08,●01:32...02:17,●06:42-06:55,●12:45...13:19
9
10 ⌴na-08:30,⌴17:20-24:00,=(17)-24:00

11 ⌴00:00-08:50,=00:00-a-p-np,●11:42-p,●18:58-19:48
12 ●04:56-06:20,●13:41-13:49,●15:45...16:18,●19:47-22:30
13 ●15:29-15:51
14 ⌴n-09:00,●17:13-18:01,●18:53-19:40,●19:40...22:59
15 ⌴n-08:40.●10:28...13:11,»14:08...19:16
16 ●09:17...11:55,Δ17:50-17:52
17 ⌴n-08:45,⌴17:30-24:00,»04:52-05:03,»23:51-23:55
18 »02:25...04:06,»04:21-07:13,»07:13-10:11,»10:58-12:01,»12:55...13:42
19
20 »22:14...22:59

21 ⌴n-a,»16:50...18:20
22 V n-a-p,Δ18:20...18:01
23
24 ⌴n-a
25 ⌴na-08:10,Δ14:40-15:30,»21:22-24:00
26 »00:00-03:14,»07:19-08:10,»21:41-24:00
27 »00:00-05:44,»07:04...08:38
28 =13:20-24:00
29 =00-09:00,»12:28...17:15
30 »00:34...04:18,»05:03...08:51,»12:12...14:00,»14:10-17:51

31 »02:27-02:38,»03:31-08:21,»08:21...17:50,»22:57-23:02

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M-23 (314) Bibliography of Polish Research in Spitsbergen Archipelago. Part I - 1930-1996

B-21 (316) Seismological Bulletin 1991-1992

C-73 (317) Monographic Volume - Signatures of Dual Mechanism of Plasma Sheet Formation and Structuring: A Study Based on Prognoz-8 Plasma Data *by B. Popielawska*

C-74 (318) Results of Geomagnetic Observations, Belsk 1999

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D-53 (322) Atmospheric Ozone, Solar Radiation 1999

F-22 (323) Earth Tides 1995-1997

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D. ATMOSPHERE PHYSICS

List of our publications since 1989 devoted to the atmosphere physics; the full list is published on the cover of our former issues.

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D-36 (246) Atmospheric ozone, solar radiation 1990.

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