POLISH ACADEMY OF SCIENCES

PUBLICATIONS OF THE INSTITUTE OF GEOPHYSICS

D–8 (131)

ÉLECTRICITÉ ATMOSPHÉRIQUE ET MÉTÉOROLOGIE
OBSERVATOIRE GÉOPHYSIQUE
DE ST. KALINOWSKI À ŚWIDER
1977

PAŃSTWOWE WYDAWNICTWO NAUKOWE
WARSZAWA–ŁÓDŹ 1979

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ÉLECTRICITÉ ATMOSPHÉRIQUE ET MÉTÉOROLOGIE
OBSERVATOIRE GÉOPHYSIQUE DE ST. KALINOWSKI À ŚWIDER
1977

Stanisław WARZECHA

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AVANT - PROPOS

La présente publication contient les résultats de l'enregistrément de certains éléments de l'électricité atmosphérique et ceux des observations diurnes (24 h) des principaux facteurs météoroliques, effectuées à l'Observatoire Géophysique Stanisław Kalinowski de l'Académie Polonaise des Sciences, à Świder. Les matériaux se rapportant aux années 1957 - 1976 ont été publiés dans les numéros 16, 19, 20, 22, 25, 29, 33, 34, 38 des "Travaux de l'Observatoire Géophysique Stanisław Kalinowski de l'Académie Polonaise des Sciences à Świder" ainsi que dans les numéros 23, 28, 38, 44, 53, 63, 77, 80, 92, D-2(104), D-6(121) des "Publications of the Institute of Geophysics, Polish Academy of Sciences".

La topographie du village de Świder et l'emplacement des instruments de mesure dans l'Observatoire, ont été decrits en détail dans les numéros précédents de "Electricité Atmosphérique et Météorologie Observatoire Géophysique de St. Kalinowski à Świder". On y trouvera également la description complète des instruments utilisés, des méthodes de mesures et de traitement des données.

En 1977, les mesures de l'électricité atmosphérique et des éléments météorologiques ont été réalisées par: S. Warzecha, W. Kozłowski, K. Kostrzewa, A. Gajowniczek et T. Zalewski. Toutes les personnes susmentionnées ont pris part à l'élaboration et au dépouillement des matériaux. L'impression des matériaux a été préparée par S. Warzecha. Le chef du Laboratoire de l'Electricité Atmosphérique de l'Institut de Géophysique à Varsovie, S. Michnowski, ont assuré la coordination de l'ensemble des travaux.

INTRODUCTION

The present issue contains the results of recordings of some elements of atmospheric electricity and daily observations of major meteorological factors, noted at the St. Kalinowski Geophysical Observatory of the Polish Academy of Sciences at Świder. Data for the years 1957-1976 have been published in "Prace Obserwatorium Geofizycznego im. St. Kalinowskiego w Świdrze" (Nos. 16, 19, 20, 22, 25, 29, 33, 34, 38) and in

"Publications of the Institute of Geophysics, Polish Academy of Sciences", previously "Materiały i Prace" (Nos. 23, 28, 38, 44, 53, 63, 77, 80, 92, D-2(104), D-6(121), respectively).

The topography of Świder village and location of measuring instruments at the Observatory have been described in detail in the previous issues of the "Électricité Atmosphérique et Météorologie Observatoire Géophysique de St. Kalinowski à Świder". The thorough description of the instruments used, methods of measurement and data treatment can also be found there.

In 1977, the atmospheric electricity and meteorological observations, as well as the data treatment, were carried out by S. Warzecha, W. Kozłowski, K. Kostrzewa, A. Gajowniczek, T. Zalewski. The material was prepared for publication by S. Warzecha. The project was supervised by S. Michnowski, head of the atmospheric electricity section of the Institute of Geophysics.

Problem: C.1.6 Received: April 27, 1978

LES COORDONNÉES DE LA STATION
COORDINATES OF THE STATION

$\varphi = 52^{\circ}07'N$ $\lambda = 21^{\circ}15'E$ $h = 100$ m

LOCALISATION DES APPAREILS
LOCATION OF INSTRUMENTS

	Altitude Height over s.l. [m]	Elévation Height over ground [m]
Bromètre, Barometer	107	7.0
Instruments dans l'abri météorologique Instruments in meteorological shelter	102	2.0
Anemomètre, Anemometer		16.9
Pluviomètre, Rain-gauge		1.0
Sondé radioactive électr. vibratoire Radioactive collectors of the vibron electrcmeters		2.0, 2.6
Condensateur aspiratoire de la conductibilité Aspiration condenser of the conductivity set		1.0
Compteur Scholz, Scholz counter		1.0

SYMBOLES D'INDICATION DU TEMPS
TYPE OF WEATHER

b - ciel serein, clear sky
c - nébulosité modérée, moderate cloudiness
o - nébulosité considérable, overcast
r - pluie, rain
p - précipitation passagère, passing showers
d - bruine, drizzle
s - neige, snow
g - neige granuleuse, granular snow
h - grèle, hail
t - orage local, thunderstorm over the station
l - orage lointain, distant thunderstorm
f - brume, fog
m - brouillard, mist
z - nuage des poussière, haze
hf - givre, hoar frost
wind - vent vitesse > 6 m/s, wind velocity > 6 m/s.

RELEVÉ DES SYMBOLES INTERNATIONAUX
INTERNATIONAL SYMBOLS USED

• Pluie, rain
⸭ Pluie passagère, shower of rain
, Bruine, drizzle
* Neige, snow
⁂ Neige passagère, shower of snow
∴ Neige granuleuse, granular snow
⊼ Grésil mou, soft hail
△ Grésil gros, small hail
⧋ Pluie glaciale, grains of ice
▲ Grèle, hail
⁑ Pluie accompagnée de neige, sleet
‒ Aiguilles de glace, ice needles
⌓ Rosée, dew
⌴ Givre, hoar frost
V Gelès blanche, soft rime
∾ Verglas, glazed frost
⊠ Verglas sur le sol, glazed frcst on the ground
⸸ Tourmente de neige, snowstorm
+ Tourbillon de neige prés du sol, drifting snow (near the ground)
+ Tourbillon de neige à une certain altitude, drifting snow (high up)
≡ Brume modérée, moderate fog
≡ Brume épaisse, heavy fog
≡ Brume trés épaisse, very heavy fog
≡ Brume au ras du sol, ground fog
= Brouillard, mist
∞ Nuage de poussière, haze

ℝ Orage, thunderstorm
(ℝ) Orage lointain, distant thunderstorm
≺ Éclair, lightning
⊕ Halo autour du soleil, solar halo
ⓦ Halo autour de la lune, lunar halo
Ⓓ Couronne solaire, solar corona
ω Couronne lunaire, lunar corona
∩ Arc-en-ciel, rainbow
ᔕ Aurore, aurora

SYMBOLES DÈTERMINANT LE TEMPS
TIME NOTATION

n	entre 18^h et 6^h TMGr,	between 18^h and 6^h GMT
a	entre 6^h et 12^h TMGr,	between 6^h and 12^h GMT
p	entre 12^h et 18^h TMGr,	between 12^h and 18^h GMT
np	entre 18^h et 24^h TMGr,	between 18^h and 24^h GMT
na	entre 0^h et 6^h TMGr,	between 0^h and 6^h GMT

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Janvier January

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	-204	-150	-112	-141	-101	-32	-55	62	-45	-52	20	97	116	122	91	31
2	-6	-32	-27	-28	-11	42	52	70	83	62	205	266	97	203	196	56
3	-34	-77	-31	-14	-60	-98	18	67	84	42	126	136	98	175	-126	-48
4	129	132	101	108	137	140	132	154	154	151	168	195	252	238	266	268
5	228	265	265	216	183	339	351	308	327	326	328	433	505	518	556	504
6	363	277	238	28	158	143	-239	-154	-116	-210	-143	-85	-41	-210	-179	-132
7	-13	-6	-38	-46	-82	-210	-216	-118	-41	-38	-126	52	69	69	151	84
8	-154	-20	181	>-118	-77	-70	87	18	-99	-57	41	94	126	193	200	210
9	-81	-126	56	-18	-82	102	168	168	196	147	111	139	162	224	227	212
10	251	227	176	101	1	28	81	140	196	140	88	263	367	377	322	277
11	151	171	185	211	220	241	266	266	269	294	270	363	353	339	322	312
12	252	186	197	224	237	265	328	350	342	333	326	364	433	356	360	445
13	234	216	179	202	214	181	309	318	-193	63	84	-101	-29	630	-294	454
14	-14	-182	-56	-38	-80	-18	-28	-83	-165	-203	-228	-62	48	<-731	-128	49
15	182	160	168	175	182	181	172	171	166	186	238	297	297	276	276	251
16	174	98	104	158	211	202	252	230	251	217	80	179	112	476	501	407
17	125	126	139	195	223	126	115	136	161	182	168	258	238	321	406	490
18	168	140	56	97	98	139	133	228	336	378	220	493	475	546	543	508
19	42	-32	-14	25	150	213	175	83	360	483	560	252	274	412	273	70
20	293	294	315	238	204	305	293	322	234	266	293	154	333	465	403	269
21	468	378	512	479	438	392	248	252	364	252	13	42	104	42	-45	-45
22	-104	-42	-62	-70	-63	-28	-32	-70	-13	13	66	96	217	277	307	322
23	92	111	32	7	35	60	82	74	179	218	195	167	76	181	178	123
24	-176	-196	-125	-112	-133	-122	-168	-115	-56	45	168	153	185	199	66	-25
25	-83	14	52	123	504	228	455	112	71	350	223	308	244	406	402	280
26	84	13	81	28	41	-130	-300	-49	-13	-38	56	27	-42	-98	-32	0
27	192	210	133	-32	95	206	280	302	319	326	370	364	378	438	524	420
28	300	224	196	154	224	280	308	263	136	168	216	263	333	182	210	214
29	66	83	127	188	206	228	280	280	280	307	322	340	379	378	362	377
30	96	45	27	-92	-126	-7	30	-350	<-630	-28	-209	-167	-126	-3	3	4
31	-29	1	<-1176	-361	-437	-395	-357	-273	-223	168	82	82	81	7	-69	56
A	233	187	186	181	191	240	263	275	278	292	325	286	314	355	380	372
N	95	84	<61	>62	81	102	105	96	<95	146	146	175	197	<226	202	207

A - Valeur moyenne pour les periodes du "beau temps". Mean values for the "fair weather".
N - Valeur moyenne pour tous jours. Mean values for all days

Février - February

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	28	-95	-34	-42	-154	-161	-15	6	140	160	95	183	84	169	210	210
2	196	256	265	178	157	186	224	284	294	361	378	456	550	462	518	448
3	307	432	500	526	424	384	438	433	519	451	435	392	375	315	406	378
4	213	267	273	280	294	276	168	266	335	480	532	504	539	498	458	445
5	165	199	168	168	162	221	146	91	43	218	235	266	266	294	350	364
6	168	109	77	32	-109	-76	-29	-64	22	-28	-122	-80	195	14	154	77
7	228	168	112	56	-38	-101	294	-43	52	-238	-50	196	165	295	[-11]	199
8	81	-70	-151	-827	95	6	29	1	260	356	>320	120	252	82	1	<-502
9	168	<-365	56	59	157	245	364	336	-97	342	288	294	350	265	392	406
10	448	424	475	507	480	476	322	392	472	377	322	307	292	287	280	301
11	139	126	78	52	-4	-132	-139	28	88	1	1	1	<-1264	-99	-22	-39
12	-69	-42	>-126	-108	-85	-80	-57	29	-20	39	92	78	106	97	-14	-56
13	-336	-224	-196	-239	-239	-195	-99	-41	35	132	182	238	218	223	224	136
14	34	24	-77	59	76	-155	-27	48	31	17	32	73	111	83	3	13
15	-112	-84	-203	-174	-99	-91	-210	-25	46	-122	-55	-32	-42	14	179	1
16	-14	85	43	-175	-224	60	-178	-95	-29	-139	-62	123	165	32	12	-78
17	28	38	42	14	77	112	147	165	193	132	112	168	84	122	148	157
18	-57	7	39	50	98	-14	-127	-84	-10	-17	153	279	288	342	182	38
19	115	35	-42	28	64	189	168	154	154	336	392	407	444	473	409	364
20	55	-11	63	160	169	182	295	308	337	361	350	377	431	476	448	126
21	210	112	14	116	251	266	266	52	143	91	-330	-424	-462	-244	168	67
22	56	-154	-126	-223	17	99	78	274	350	364	336	363	344	420	392	368
23	-43	-84	28	43	45	195	83	151	141	84	265	224	307	273	323	294
24	-29	-1	-85	102	267	319	323	309	216	113	202	230	333	364	421	392
25	32	48	-4	70	84	57	112	182	276	336	466	375	409	<-294	<1071	1
26	<8	<-1844	<1739	<-1218	<-1793	<-1554	<-924	-1638	-239	-55	-794	-475	-433	-126	81	-56
27	90	-84	-147	-99	-212	-42	<-1025	266	342	342	306	195	144	220	406	252
28	279	224	158	-57	84	55	83	182	252	211	126	259	<60	<13	1	>714
A	378	424	475	394	387	376	245	329	355	395	364	400	433	427	447	403
N	<80	<18	-19	<23	<2	<26	<25	73	155	175	>156	189	<154	<181	<194	193

ATMOSPHÈRIQUE [V/m]
STRENGTH [V/m]

1977

TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
-154	-55	22	42	43	28	70	-42	-	-17	209	-378	587	c	1
98	-154	-182	-227	-140	-97	-111	-43	-	16	260	-554	834	o,r	2
11	14	99	158	178	126	126	126	-	46	350	-192	542	o,r,s	3
280	374	406	402	378	364	336	280	-	230	425	41	404	c	4
468	476	510	532	518	514	480	402	-	400	588	-10	598	o	5
-70	-29	7	3	-32	25	-18	13	-	-17	706	-1109	1815	o,s	6
88	-71	-186	-182	-244	-164	-38	-84	-	-56	1050	-1176	2226	o,g,d,s	7
200	280	321	207	552	414	182	-67	-	>110	>2100	-518	>2618	o,s,g	8
273	178	24	168	84	97	137	143	-	113	343	-420	763	c,s,hf	9
270	294	297	298	335	266	266	238	-	221	448	-70	518	c	10
321	343	340	322	294	335	332	280	283	283	420	111	309	c	11
388	336	328	335	322	328	294	189	-	313	518	46	472	c,r	12
-25	42	186	172	14	-14	48	-15	-	120	1672	-1764	3436	o,r,s,m	13
154	209	182	116	196	206	213	216	-	<-18	272	<-2100	>2372	o,d,r,s	14
284	214	252	293	253	221	168	136	-	217	379	71	308	c	15
369	364	434	473	286	172	166	202	-	253	606	-263	869	o,s	16
545	529	586	529	428	343	294	216	-	289	622	42	580	c,s	17
414	475	475	504	452	427	252	88	-	327	571	0	571	b,hf	18
13	-14	158	210	238	342	167	322	-	195	616	-141	757	c,hf,s	19
196	112	328	381	266	574	591	490	317	317	686	34	652	c,hf	20
28	154	161	-28	-102	-238	-140	-94	-	151	637	-308	945	o,s,m	21
238	158	167	153	112	126	98	60	-	79	365	-141	506	c,s	22
196	98	98	83	125	186	84	-4	-	112	283	-126	409	o	23
-112	-126	<-252	1	-99	-192	-218	-116	-	-	-	-	-	o,m,d	24
251	-6	-25	95	154	60	42	45	-	189	616	-225	841	o,d,f	25
126	111	186	181	284	220	182	168	-	46	305	-643	948	o,r,d,m,f	26
392	420	452	382	391	364	312	280	-	314	588	-126	714	c	27
224	242	181	193	136	95	126	97	-	207	378	-1	379	o,d	28
448	447	350	133	157	-59	59	98	-	244	517	-454	971	c,d	29
38	-76	-112	-378	-588	-680	-181	181	-	<-146	340	<-2100	>2440	o,d,r,s,m,f	30
26	28	-98	-111	-56	-28	24	-70	-	-	-	-	-	o,s	31
356	352	366	342	293	294	279	262	295						
193	174	<186	182	159	141	140	120	141						

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977

TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
182	337	280	188	125	168	235	227	-	105	391	-260	651	o,s	1
280	277	221	160	132	153	127	238	-	283	560	28	552	c,s	2
406	365	308	280	245	224	220	217	-	375	570	183	387	o	3
398	364	308	318	309	168	140	126	-	331	560	57	503	c	4
329	323	344	363	294	239	258	195	-	239	451	-74	525	o,s	5
241	171	252	178	228	132	277	262	-	86	420	-238	658	o,s,d,f	6
168	85	1	74	-167	-210	-155	-122	-	40	941	-920	1861	o,r,m	7
1	-374	111	-43	-168	223	-48	154	-	-	-	-	-	c,r	8
378	428	420	515	560	560	517	454	-	<297	599	<-2100	>2699	c,r,g,s	9
370	392	368	287	140	141	168	140	-	340	574	99	475	c,hf	10
38	-14	27	71	6	-29	45	-80	-	-	-	-	-	o,s	11
-354	-228	-242	-361	-407	-378	-337	-374	-	>-121	>2100	-1890	>3990	o,s,f,m	12
91	55	-126	98	146	73	85	153	-	16	479	-392	871	o	13
34	0	-42	-18	-56	8	-55	-28	-	8	368	-364	732	o,s,g	14
>143	1	<-63	1	-281	353	99	27	-	-	-	-	-	o,s	15
-172	84	-186	-105	14	-74	-231	-38	-	-49	300	-560	860	p,s	16
203	238	225	158	56	28	99	66	-	117	279	-28	307	o	17
-28	-91	-101	-214	<-168	-35	21	183	-	<31	1558	<-2100	>3658	c,r,s,m	18
431	424	448	406	392	343	301	235	-	278	497	-71	568	c,m	19
-1176	-827	-106	150	224	256	214	111	-	124	518	-1617	2135	o,r,m	20
-238	-302	-466	255	293	224	136	136	-	14	382	-1357	1739	o,r,m,f	21
251	235	216	183	165	-31	-84	-57	-	160	448	-393	841	c,f,m	22
182	84	14	-62	-4	-151	-69	-62	-	94	353	-252	605	c,f,m,hf	23
403	307	237	217	235	182	102	62	-	218	461	-291	752	c,f,m	24
<-2100	<-1176	<-1252	-286	42	29	113	-126	-	-	-	-	-	o,m,hf,r	25
99	42	-43	46	-127	-70	-113	-50	-	<-542	1911	<-2100	>4011	o,r,s,d	26
364	336	274	323	315	252	165	174	-	<132	475	<-2100	>2575	o,s	27
83	188	435	282	419	391	406	332	-	-	-	-	-	o,s	28
353	364	345	350	352	326	338	341	374						
37	<65	<66	136	<106	113	93	91	93						

Mars - March

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	280	318	274	277	125	59	-66	160	-97	-195	-69	38	1	-378	57	<137	
2	176	116	251	322	211	315	294	316	378	350	312	183	214	224	193	196	
3	176	81	-73	-11	98	154	294	315	214	224	195	196	182	126	28	462	
4	-336	-433	-83	85	56	126	20	-49	112	171	294	351	336	286	-374	-714	
5	196	196	-	-	-	-	-	-	-	-	-399	-213	98	112	164	218	
6	-168	1	1	307	-223	46	99	32	31	-84	-189	21	155	55	270	200	
7	175	141	172	224	267	287	395	323	277	239	224	224	211	221	223	216	
8	284	228	238	196	169	168	196	224	244	251	252	252	350	371	391	280	
9	28	<-168	48	-14	35	36	15	-154	-42	140	266	252	267	315	363	365	
10	81	42	1	32	32	43	172	340	367	402	406	364	361	363	372	377	
11	175	171	153	112	99	84	168	258	237	252	293	346	326	381	371	337	
12	137	95	67	52	76	137	200	209	207	266	300	336	336	294	287	266	
13	196	154	165	153	133	186	224	280	287	267	270	280	295	252	255	280	
14	84	46	-92	-202	168	-24	32	(92)	123	197	266	255	245	242	253	315	
15	42	42	25	0	-8	-42	-84	168	92	98	158	154	182	139	242	220	
16	36	21	11	-217	45	74	63	126	202	242	238	210	242	217	238	252	
17	73	60	56	28	-8	28	98	126	139	140	175	238	266	238	249	277	
18	7	4	-7	-11	-8	11	49	113	168	227	253	266	260	265	274	294	
19	-13	-15	-15	-31	14	63	55	84	127	154	140	218	255	252	238	256	
20	-28	-42	-28	-29	-14	0	29	73	98	137	155	154	175	182	183	52	
21	63	133	98	13	60	42	83	125	186	189	162	186	225	210	203	224	
22	34	-42	-29	11	-28	-20	1	56	186	192	217	228	259	308	280	238	
23	153	112	189	252	220	-43	112	91	130	172	154	147	207	280	132	56	
24	168	168	160	182	207	209	251	255	305	305	304	329	322	350	399	407	
25	223	207	141	127	168	217	294	[315]	297	256	280	251	223	197	242	238	
26	-35	-59	-62	14	-8	-1	42	36	112	122	140	113	153	112	169	167	
27	-22	14	28	42	42	136	175	116	81	41	-87	-70	-28	41	-18	55	
28	34	32	28	7	-378	76	-714	56	14	43	83	134	185	223	280	141	
29	-7	20	128	4	46	-28	43	140	70	155	188	182	196	217	216	262	
30	252	239	238	245	209	238	266	252	245	270	256	252	270	245	245	265	
31	196	230	420	140	36	449	554	(<-1428)	382	76	265	-197	151	246	304	406	
A	211	211	204	180	165	193	192	220	223	228	238	249	261	259	280	283	
N	86	<70	87	77	61	101	112	<102	172	177	177	183	231	212	217	<218	

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977

TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
336	455	448	465	490	375	466	396	-	-	-	-	-	o,s	1
202	239	200	193	238	55	22	196	-	225	466	-73	539	c,s	2
1	1	175	-105	-424	-458	-512	-458	-	-	-	-	-	o,m,s	3
-861	-76	-504	(<-395)	(-361)	-84	196	262	-	<82	658	<2100	>2758	o,r	4
231	294	361	420	427	336	259	-34	-	-	-	-	-	o,r,wind	5
217	70	210	245	294	312	336	322	-	-	-	-	-	o,r	6
204	440	393	378	400	386	360	322	-	279	501	69	432	c,s	7
238	-28	55	69	88	14	41	17	-	191	1218	-1340	2558	o,hf,r	8
392	392	269	242	134	42	11	84	-	<138	1932	<2100	>4032	c,r,d	9
365	392	417	392	371	301	231	210	-	268	438	-164	602	b	10
321	311	308	323	321	297	242	168	252	252	427	70	357	b,hf	11
[273]	280	280	266	266	210	211	224	-	220	382	39	343	c,r	12
182	46	70	91	98	0	10	77	-	177	365	-52	417	c,r	13
270	171	155	84	46	71	71	84	-	123	378	-546	924	c,r,d,f	14
234	335	431	385	256	249	-13	-46	-	136	566	-364	930	c,m,f,r	15
211	480	426	336	337	249	126	98	-	178	602	-300	902	c,m	16
252	237	209	192	147	85	41	28	-	141	322	-56	378	c,hf	17
329	295	266	160	60	36	13	0	-	138	349	-17	366	c	18
228	153	126	141	140	141	62	-1	-	116	295	-42	337	c	19
50	112	130	158	183	116	28	7	-	78	225	-476	701	o,r	20
188	139	122	42	126	188	182	141	-	139	253	-15	268	c,r,m	21
210	279	252	350	308	266	200	122	-	162	490	-118	608	c,m	22
56	84	[238]	290	220	224	210	154	-	160	322	-238	560	c,f,m	23
206	406	406	378	269	336	330	270	-	297	490	111	379	c	24
104	-84	-36	-11	-39	-112	-83	-78	-	139	336	-192	528	c,r	25
137	168	239	280	321	182	70	116	-	105	377	-174	551	o,r	26
98	133	63	70	[-28]	-84	98	-50	-	35	297	-392	689	o,hf,r,m	27
3	106	-137	1	-206	-97	-113	-71	-	-	-	-	-	c,r,h,f,m,t	28
356	363	325	371	298	266	273	280	-	183	469	-258	727	o,s,g	29
256	294	335	312	291	259	259	224	259	259	353	190	163	c	30
162	98	71	84	112	42	57	126	-	124	1588	(<-2100)	>3688	o,s	31
272	305	311	306	261	247	251	222	248						
189	219	203	<207	167	136	119	103	151						

Avril - April

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	56	18	106	161	130	139	202	223	322	336	322	406	473	462	486	491	
2	266	189	147	105	94	196	276	351	343	266	252	308	318	297	237	280	
3	56	-76	-14	-56	-147	-112	7	249	266	266	279	309	294	280	293	333	
4	(-1134)	-580	99	-95	-55	84	221	186	182	168	168	178	186	153	130	133	
5	265	262	126	223	224	364	321	266	210	232	315	377	406	1	140	(1)	
6	195	139	-442	-169	-183	-255	-392	-56	84	136	182	252	266	286	294	365	
7	318	343	309	274	239	281	266	280	237	217	224	221	252	237	196	14	
8	162	182	182	237	280	35	99	294	122	(<-2016)	(>1592)	(<-1121)	8	-29	83	148	
9	(<-1012)	(<-1495)	(<-970)	(<-1848)	(<-1201)	(-991)	-584	-265	-97	-175	-237	-252	-294	-266	-139	-130	
10	-332	7	-77	70	154	<-1201	-630	118	71	85	70	132	139	141	192	181	
11	140	126	132	115	112	116	146	153	139	162	186	182	211	207	195	217	
12	49	55	182	84	67	211	281	267	202	196	167	165	143	168	183	132	
13	-58	-70	-98	-52	18	224	336	238	211	232	224	181	210	210	195	189	
14	0	27	32	25	14	-140	-17	104	161	134	210	211	210	210	216	189	
15	84	42	-35	63	70	-52	-123	-41	13	104	55	112	154	182	154	168	
16	403	252	209	224	330	206	133	197	183	199	181	182	161	169	168	203	
17	87	66	84	102	77	155	293	294	237	223	210	214	224	214	224	224	
18	154	140	99	52	129	193	190	217	308	308	336	(39)	27	161	182	126	
19	183	125	113	196	252	249	249	266	182	154	154	153	210	178	182	179	
20	322	112	57	14	137	210	253	332	307	237	189	175	125	168	157	169	
21	238	227	154	203	210	220	244	347	393	417	386	329	318	323	336	385	
22	-332	-630	-353	-309	-302	-172	-97	-6	165	140	-4	29	42	-42	14	146	
23	92	127	-34	14	42	98	36	17	186	183	239	-42	174	276	213	274	
24	112	-38	1	42	-55	(<-538	22	182	253	238	265	273	322	260	181	1	
25	199	154	115	-32	-28	-340	>134	294	300	294	188	67	1	335	342	288	
26	370	356	192	329	368	322	379	305	222	238	183	229	241	253	277	280	
27	126	127	134	104	148	157	172	192	252	263	238	203	210	57	31	(-21)	
28	167	253	297	266	190	-76	-14	305	378	364	336	272	228	197	196	210	
29	-132	112	97	24	105	112	84	154	224	237	224	211	175	210	210	214	
30	84	112	113	113	181	238	225	279	294	269	252	266	238	206	182	166	
A	193	155	132	137	178	221	245	260	285	292	275	258	267	283	260	259	
N	<38	<22	<33	<16	<53	<2	>90	191	212	<137	>246	<143	196	191	192	<199	

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977

TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
512	454	442	350	350	360	342	308	-	310	545	-52	597	c,s,r	1
224	239	267	203	211	126	28	0	-	218	434	-46	480	o	2
364	421	434	400	365	378	126	(<-798)	-	<163	1806	(<-2100)	>3906	c	3
211	196	221	273	252	216	238	213	-	77	328	(-1894)	2222	o,r,wind	4
<-168	343	368	364	392	294	266	231	-	-	-	-	-	c,hf,r	5
427	379	375	280	155	154	204	238	-	121	438	-686	1124	o,r	6
141	[209]	[203]	196	56	175	238	126	-	221	370	-90	460	c,r	7
154	160	197	188	160	134	-76	7	-	49	>2100	<-2100	>4200	o,d,r,s,m	8
-56	-71	-36	139	<-554	298	-487	-315	-	<460	1462	<-2100	>3562	o,r,s,d	9
154	189	225	211	210	182	189	186	-	<28	293	<-2100	>2393	o,r	10
312	276	83	98	88	171	186	67	-	159	378	-35	413	o,s,r	11
168	164	211	228	155	136	55	28	-	155	294	-31	325	o,hf	12
196	189	196	136	88	56	84	57	-	133	392	-154	546	c,r	13
168	127	140	168	161	224	196	174	-	123	364	-308	672	c,r	14
122	210	202	255	238	336	298	322	-	123	445	-203	648	c,m	15
280	336	290	266	197	74	73	77	-	208	476	42	434	c,hf	16
216	252	434	543	903	672	378	259	-	274	1012	42	970	c,hf	17
76	39	76	228	339	340	284	227	-	178	433	-238	671	c,hf	18
178	188	112	182	308	315	234	174	-	196	465	-36	501	c,hf	19
172	182	224	265	273	265	197	210	-	198	545	-167	712	c,hf	20
346	-67	-248	-508	-234	-223	-161	-112	-	147	686	-1344	2030	c,r	21
207	235	(74)	[14]	188	245	238	175	-	-14	616	-1575	2191	o,r	22
1	357	<-895	-315	-350	-154	137	160	-	-	-	-	-	o,r,f	23
1	196	-328	200	231	266	213	182	-	-	-	-	-	c,r	24
210	336	311	1	367	239	259	267	-	-	-	-	-	o,r	25
272	284	427	406	403	336	252	181	-	298	504	59	445	c	26
193	-122	56	28	-35	14	42	97	-	<113	1970	(<-2100)	>4070	c,r	27
206	225	266	309	287	152	139	(-38)	-	213	731	(-1924)	2655	c,r,f	28
224	270	251	217	224	216	182	98	-	164	295	-486	781	o,r	29
182	228	266	259	230	237	266	287	216	216	332	71	261	c	30
250	281	317	312	324	304	244	208	253						
<204	214	<161	193	<190	206	154	<103	141						

Mai - May

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	277	266	182	101	98	104	125	129	115	140	239	294	140	126	155	168	
2	305	293	225	224	280	259	280	287	308	316	259	224	195	168	50	13	
3	70	14	55	140	155	168	218	336	297	349	295	253	273	196	42	-71	
4	225	210	196	204	213	234	281	195	168	69	14	-63	-8	42	14	57	
5	4	-1	-11	-25	60	133	175	223	242	196	154	111	32	32	28	64	
6	266	245	224	224	227	239	256	259	245	238	252	220	-112	-140	-139	-133	
7	1	-14	-21	7	28	14	63	186	239	251	224	252	148	210	185	-183	
8	70	97	73	45	55	70	73	45	62	42	59	14	99	70	112	85	
9	213	251	181	211	181	181	189	196	182	196	175	189	168	179	209	196	
10	485	417	308	320	238	241	295	222	255	290	288	266	241	220	214	223	
11	60	84	35	15	84	136	182	168	196	206	596	1	>1008	272	<336	1	
12	7	-53	-97	-98	-25	56	115	179	239	224	224	192	196	182	192	155	
13	223	210	182	193	214	241	266	333	368	350	308	246	220	168	139	140	
14	168	131	98	84	224	175	25	125	270	308	363	298	239	259	297	288	
15	288	322	291	228	196	224	192	171	204	155	112	221	269	280	294	266	
16	165	169	196	-325	241	49	81	168	36	-20	84	168	113	126	56	39	
17	-112	-126	-126	-143	-28	(13)	[-20]	17	-18	28	13	-56	14	-28	-21	-14	
18	64	158	118	189	66	62	28	63	-6	11	25	98	3	88	188	266	
19	129	315	259	234	252	-42	217	153	185	238	238	182	196	204	224	235	
20	80	71	70	-336	-28	-151	-113	-77	14	28	42	-56	98	-136	102	84	
21	25	-14	3	-28	769	(>294)	(<-38)	88	46	36	142	104	112	154	144	129	
22	52	91	126	112	137	155	63	139	112	112	115	-64	-221	28	50	104	
23	-28	-71	59	<-446	<-203	<-70	<-1130	<-1470	<-265	<2054	<-1949	<-592	-370	-77	-29	-928	
24	294	379	95	73	113	267	371	374	322	280	210	192	210	252	270	262	
25	238	150	112	49	1	1	-386	238	270	232	203	196	221	241	265	266	
26	269	251	176	160	235	362	368	312	295	137	-48	178	182	262	260	305	
27	386	300	200	253	336	407	406	304	251	213	171	169	(172)	189	210	220	
28	336	420	426	445	351	421	389	318	319	280	245	239	241	235	260	277	
29	98	98	112	165	213	245	279	300	297	305	238	185	182	186	186	190	
30	407	168	13	25	1	1	1	62	-41	130	49	141	186	255	252	224	
31	252	221	209	193	238	224	279	307	311	288	241	176	<336	43	210	210	
A	279	260	222	220	222	234	259	260	262	242	250	227	208	197	206	179	
N	171	164	128	<81	<162	163	<118	<141	<178	<115	<116	<136	133	147	<131	117	

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Juin - June

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	239	178	181	139	228	281	305	256	203	168	144	126	60	1	>424	21	
2	>605	357	50	-141	-706	-1130	-886	<433	42	127	129	92	231	307	224	253	
3	56	256	399	395	364	244	336	384	307	255	238	223	185	147	161	168	
4	195	169	126	-15	36	62	174	224	235	266	281	252	168	193	266	197	
5	112	263	252	154	155	172	252	239	238	238	265	288	224	224	216	218	
6	126	140	92	140	139	168	168	168	140	127	162	179	252	272	-126	95	
7	158	238	273	237	224	168	280	402	421	332	295	305	269	262	280	238	
8	140	58	<420	-49	55	196	301	326	279	245	239	209	195	196	218	252	
9	168	210	207	171	206	195	244	318	322	251	234	224	210	210	237	265	
10	147	160	172	113	166	197	251	280	316	228	221	234	213	217	224	227	
11	206	238	166	183	267	371	347	308	265	224	228	252	267	265	262	252	
12	238	238	234	161	182	230	228	251	238	223	213	210	217	224	248	248	
13	302	322	196	197	224	210	252	357	346	249	237	224	182	126	4	168	
14	130	168	169	158	167	175	210	189	154	112	67	-189	<-101	294	332	>1331	
15	174	196	196	157	174	210	207	182	71	168	168	129	-777	49	252	140	
16	224	154	-14	112	228	448	370	322	224	223	210	196	237	238	220	210	
17	239	200	56	165	192	140	258	280	267	252	230	230	223	241	196	196	
18	42	84	84	63	97	84	62	69	133	167	118	185	225	249	279	265	
19	251	272	238	168	267	281	[207]	182	154	129	112	99	420	1	1	1	
20	70	45	80	57	14	176	193	182	196	245	147	462	<-1176	1	1	1	
21	14	29	115	158	280	343	350	364	434	413	378	344	322	301	280	265	
22	293	221	232	224	266	279	252	222	253	210	168	141	[148]	150	140	165	
23	144	196	189	197	223	224	139	193	140	210	220	154	160	197	175	192	
24	512	560	406	424	417	490	336	354	342	351	336	[319]	[265]	189	189	169	
25	154	148	129	119	126	139	140	153	167	210	238	220	217	196	189	186	
26	(18)	(45	(14)	(14)	(17)	42	80	112	140	154	178	308	>1546	<-1340	273	98	
27	70	14	-119	20	55	76	14	112	123	127	150	252	213	125	164	168	
28	176	144	127	126	154	175	190	210	210	183	168	154	202	140	140	154	
29	112	77	70	85	143	182	182	220	221	196	153	154	140	126	157	167	
30	125	84	46	77	99	136	154	178	196	146	154	182	167	116	1	1	
A	206	217	203	185	222	244	242	253	266	235	222	222	216	205	211	205	
N	(>181)	(183)	(<132)	(134)	(149)	165	187	<250	227	214	203	205	170	<145	>208	>234	

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977
TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
190	249	308	322	280	265	280	326	203	203	351	70	281	c	1
196	182	118	-85	-21	77	98	-147	-	171	585	-686	1271	c,l	2
111	182	213	304	312	323	284	251	-	199	490	-616	1106	c,l	3
152	182	210	217	203	211	155	32	-	142	322	-140	462	c	4
88	185	241	267	280	306	321	312	-	142	323	-77	400	c	5
-154	-77	<-218	647	55	-189	-63	3	-	<99	1613	<-2100	>3713	c,l,r,z	6
213	42	-41	70	112	118	142	59	-	111	616	-83	699	e	7
171	168	238	266	269	280	305	238	-	125	431	-25	456	e,r	8
252	339	399	428	507	468	406	465	-	266	585	95	490	e	9
238	224	266	504	582	518	326	112	-	306	658	43	615	c	10
108	167	182	204	172	168	144	55	-	-	-	-	-	c,r,l	11
153	168	189	210	216	227	224	235	-	136	262	-140	402	c	12
148	150	154	175	147	147	113	144	-	207	420	62	358	c,r	13
<-151	203	1	42	168	210	245	210	-	-	-	-	-	e,r,l	14
120	31	29	-32	11	-32	-91	-130	-	151	419	-636	1055	e,r	15
-21	-25	-105	-69	-112	-171	-98	-38	-	30	510	-567	1077	e,r,d,m	16
42	32	55	-1	56	28	42	25	-	-14	239	-505	744	e,d	17
109	182	234	168	298	386	335	112	-	135	490	-162	652	e,d	18
253	295	340	238	182	153	112	91	-	203	489	-140	629	e,d	19
45	-4	-14	-25	-20	-13	-13	28	-	2	210	-693	903	c,r,d,wind	20
126	64	84	105	98	60	42	231	-	116	>2100	<-2100	>4200	e,r,d,wind	21
308	283	221	235	199	20	112	162	-	110	365	-532	897	e,d,r	22
-95	182	6	-13	151	98	196	336	-	<-374	1428	-2100	>3528	e,r	23
277	218	224	252	393	252	101	182	-	244	491	-651	1142	c,r	24
286	332	375	405	427	399	336	294	-	-	-	-	-	c,r	25
325	322	392	503	529	514	445	410	-	299	585	-819	1404	c,r,s	26
256	314	294	322	332	326	445	371	-	285	529	127	402	c	27
302	318	294	371	354	196	232	139	309	309	519	84	435	b	28
217	238	256	298	308	336	336	449	-	238	557	70	487	c	29
182	178	281	385	451	489	426	308	-	-	-	-	-	c,r	30
214	255	[351]	420	379	322	364	277	-	235	861	<-2100	>2961	c,r	31
209	229	268	326	338	315	306	277	257						
<150	179	<186	231	236	209	203	179	157						

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977
TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
53	238	294	269	392	440	321	287	-	-	-	-	-	c,r	1
237	238	-273	265	536	546	546	263	-	98	>2100	<-2100	>4200	e,r	2
175	196	196	274	364	357	336	253	-	261	490	-62	552	c	3
238	203	1	-53	29	53	147	-147	-	-	-	-	-	e,r	4
235	220	210	211	190	126	119	116	-	206	349	49	300	c,r	5
195	221	-252	17	-87	-245	134	206	-	102	566	-777	1343	e,r,m	6
216	238	295	308	312	266	217	186	-	263	476	28	448	c,r	7
238	252	295	322	322	266	277	227	-	<195	1512	<-2100	>3612	c,l,r	8
237	239	279	280	224	196	182	143	227	227	364	112	252	b	9
231	224	245	251	263	308	266	217	224	224	356	101	255	b	10
266	273	307	280	281	224	210	204	256	256	434	126	308	b	11
223	<-206	293	294	308	314	308	270	-	<224	701	<-2100	>2801	c,r,l	12
210	249	332	378	322	309	226	158	-	241	420	-294	714	c	13
-76	258	308	280	287	252	211	196	-	212	>2100	<-2100	>4200	c,r,l	14
<286	-126	-252	445	295	181	171	340	-	<103	1281	<-2100	>3381	e,l,t,r,m	15
204	182	189	237	265	238	315	252	-	229	539	-98	637	c,f	16
178	168	225	253	223	244	130	35	-	201	326	-84	410	c	17
211	238	336	294	241	225	238	224	-	176	421	-111	532	c,m	18
210	211	182	112	123	182	98	126	-	-	-	-	-	c,r,l	19
182	197	85	26	88	97	14	-32	-	-	-	-	-	e,r,l,m	20
265	294	309	388	463	433	400	336	-	303	505	-55	560	c	21
168	182	228	284	490	500	252	162	-	236	686	92	594	c	22
221	231	252	287	364	449	455	504	-	238	574	48	526	c	23
182	168	162	171	216	185	181	167	295	295	643	132	511	b	24
178	167	147	168	196	144	73	(18)	-	(159)	258	(13)	(245)	c	25
227	123	1	<168	52	83	80	126	-	-	-	-	-	c,l,r	26
203	195	182	161	224	266	273	209	-	137	300	-434	734	c,r	27
175	196	182	223	186	196	154	141	-	171	321	71	250	c	28
127	98	126	174	210	203	179	157	152	152	245	67	178	c	29
1	116	>29	1	1	105	140	98	-	-	-	-	-	c,l,r	30
206	213	240	248	265	257	239	218	228						
<177	<183	>175	<222	254	238	222	(181)	193						

Juillet - July

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	141	-96	98	197	80	4	-83	98	195	262	294	287	210	197	196	189	
2	97	56	55	27	62	141	195	252	95	97	62	60	91	238	294	280	
3	224	213	252	248	253	280	280	277	259	200	112	56	62	126	143	154	
4	181	153	154	119	181	140	175	196	183	189	98	98	-57	126	-182	56	
5	126	265	210	206	98	129	130	174	256	210	168	146	154	169	183	165	
6	266	140	112	231	<-504	|	|	-500	32	82	14	>502	|	|	<-210	|	
7	|	158	223	196	151	220	280	308	209	214	209	>168	|	<-609	280	144	
8	182	115	102	116	221	227	189	217	183	94	196	176	111	|	476	175	
9	113	29	111	|	|	55	[59]	176	304	252	112	-28	126	<-420	504	157
10	-213	-196	14	-28	82	125	126	204	167	155	221	154	136	101	98	98	
11	-176	-15	-14	70	126	279	364	378	378	354	322	237	202	210	256	228	
12	235	266	291	307	351	322	350	343	308	280	282	252	237	217	210	199	
13	280	196	161	196	312	322	357	364	378	378	287	294	266	228	209	182	
14	125	|	|	77	108	98	|	<-693	|	322	365	196	182	224	207	118	
15	172	154	97	119	158	52	126	292	280	251	196	196	206	199	224	167	
16	308	272	239	182	168	251	294	193	322	325	-4	377	280	262	252	242	
17	182	140	116	125	137	153	179	195	213	238	266	224	182	165	160	223	
18	168	182	196	146	196	168	98	84	154	245	294	336	252	253	203	210	
19	84	87	125	125	207	167	237	227	274	252	185	224	|	378	291	186	
20	55	49	66	84	137	270	382	321	280	237	224	196	161	154	168	196	
21	90	116	113	126	182	223	297	364	258	182	174	-31	81	-162	-182	-42	
22	168	214	158	41	28	80	223	335	354	249	224	182	203	210	207	185	
23	266	29	248	182	224	210	200	196	179	126	168	181	-74	-20	147	84	
24	140	214	139	209	266	265	248	248	256	238	308	389	428	378	343	280	
25	169	196	137	153	209	276	258	256	284	266	255	279	279	230	182	171	
26	168	88	70	102	126	17	88	140	139	147	81	154	83	116	112	70	
27	-62	-70	69	98	102	111	378	364	-	237	195	182	182	168	-28	126	
28	116	98	112	98	140	265	280	280	322	265	223	196	171	147	168	168	
29	377	326	280	266	245	224	238	263	256	217	209	182	171	182	182	196	
30	213	242	129	104	125	167	186	157	158	199	239	251	238	238	217	209	
31	207	181	195	210	252	272	252	259	279	196	182	140	144	70	42	92	
A	199	192	177	160	199	250	281	285	277	260	247	233	224	217	196	192	
N	147	136	142	144	<148	184	220	<193	240	225	198	>202	169	<130	<173	164	

Août - August

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	>525	<-1487	|	-113	-265	-	[-210]	[-168]	-136	-84	70	126	113	126	73	21	
2	-140	-182	-182	-112	28	-43	139	7	28	-53	85	-98	162	361	<-42	|	
3	202	196	199	186	339	329	308	378	298	204	182	224	196	182	168	220	
4	196	140	162	171	*182	96	84	70	99	-286	<-294	252	193	126	102	34	
5	305	302	293	269	252	386	368	309	211	168	151	140	[-28]	203	-	-	
6	225	228	307	294	372	252	266	308	276	140	168	161	140	126	139	171	
7	182	189	151	141	160	196	207	202	182	165	171	151	154	175	154	169	
8	210	238	176	224	248	277	393	326	284	[255]	242	238	225	224	237	274	
9	322	322	344	364	336	294	267	239	200	203	220	272	256	239	258	211	
10	168	137	244	0	25	90	182	168	[126]	133	21	123	118	126	111	227	
11	>496	<315	|	-29	4	56	84	126	154	175	148	186	242	>1210	-239	196	
12	140	168	141	105	126	238	368	266	216	115	196	132	153	168	218	224	
13	295	384	326	280	224	56	[301]	255	195	183	182	171	165	140	-416	|	
14	-164	-29	185	235	294	312	308	251	>626	|	|	(248)	360	265	266	210	
15	41	11	70	18	45	66	98	80	140	68	125	[139]	-11	-21	74	28	
16	132	171	73	-168	-378	-112	94	-130	-171	39	202	182	105	-	155	98	
17	315	185	265	307	322	389	378	319	293	196	196	206	196	216	197	218	
18	335	267	252	186	253	364	428	314	251	245	238	210	202	210	220	211	
19	|	|	<-321	112	-181	-221	-172	-197	-235	-231	-120	-350	-322	<-384	<-15	<-305	
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98	
26	125	130	144	151	105	119	192	154	132	108	97	99	108	98	99	91	
27	77	88	108	104	84	84	91	84	97	111	115	126	118	113	101	84	
28	46	49	52	49	66	70	71	69	-41	139	-15	80	62	66	133	122	
29	126	95	69	70	71	141	153	185	140	134	169	154	154	140	130	126	
30	105	90	94	70	70	83	[126]	157	128	130	140	139	144	[140]	113	125	
31	126	125	98	98	99	126	141	161	183	193	165	139	125	112	98	112	
A	189	186	182	187	186	216	256	220	188	94	171	167	163	161	164	162	
N	>183	<90	<142	120	114	152	187	157	>144	103	<119	138	133	182	<97	<129	

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977
TMGr -GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L' indication du temps Type of weather	Date
169	181	168	182	200	244	148	140	-	154	309	-192	501	c,r	1
253	204	169	154	147	224	224	251	-	155	312	-183	495	c,r	2
196	176	239	336	308	168	112	182	-	202	391	-14	405	c,r	3
-91	35	225	97	112	150	189	182	-	113	445	-535	980	o,r	4
126	168	197	307	395	364	392	379	-	213	449	14	435	c,d,r	5
<38	|	126	322	266	210	-63	<-1512	-	-	-	-	-	o,r,l	6
182	174	252	410	433	350	284	196	-	-	-	-	-	c,r,m	7
153	223	238	<-659	<-63	286	195	153	-	-	-	-	-	c,d,r,l	8
155	140	|	-	-	168	195	76	-	-	-	-	-	o,r,l,t	9
126	168	97	-168	-15	98	49	<-882	-	<30	560	<2100	>2660	o,d,r	10
224	252	279	343	364	340	308	238	-	231	427	-571	998	o,r	11
223	224	256	335	364	416	405	378	293	293	487	183	304	b	12
146	167	172	171	234	253	238	153	-	248	420	70	350	c	13
153	162	196	168	241	224	210	178	-	-	-	-	-	o,r	14
<76	181	280	335	391	336	277	280	-	<210	546	<-700	>1246	c,r	15
259	259	196	171	182	195	196	228	-	235	449	-1260	1709	c,r	16
224	238	168	150	182	181	217	200	-	186	291	70	221	o	17
238	206	224	238	266	242	231	178	-	209	364	-70	434	o,r	18
90	134	144	193	210	197	164	106	-	-	-	-	-	c,r	19
182	158	196	206	227	196	126	98	-	182	427	28	399	c	20
|	|	<-1919	223	140	95	3	28	-	-	-	-	-	c,r	21
214	238	235	224	259	321	346	389	-	220	434	-4	438	c	22
206	266	242	294	287	200	154	126	-	183	351	-407	758	o,r	23
346	367	284	238	252	126	178	153	-	263	475	94	381	o,f,m,r	24
126	172	238	223	182	182	200	217	214	214	319	116	203	b	25
126	56	56	56	112	125	84	-57	-	94	252	-137	389	o,r	26
336	242	157	185	193	238	55	87	-	-	-	-	-	c,r,f,m	27
196	209	(256)	238	295	220	217	402	228	228	518	27	491	b	28
186	181	237	300	311	305	280	210	-	243	434	153	281	c	29
235	196	294	332	364	367	294	241	225	225	483	98	385	c	30
70	84	259	-63	182	-20	-97	-32	-	140	521	-840	1361	c,r	31
224	210	223	243	265	268	252	235	232						
<170	188	<139	<185	<234	232	194	<96	177						

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977
TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L' indication du temps Type of weather	Date
74	-168	42	|	|	|	<-248	-56	-	-	-	-	-	o,r,d,m	1
861	412	496	127	259	256	210	182	-	-	-	-	-	o,r,l	2
161	196	196	206	224	220	193	196	-	225	420	71	349	o,f,m	3
101	15	139	221	224	266	265	305	-	<120	1016	<-2100	>3116	o,r,d,l	4
161	176	221	224	224	146	132	154	-	-	-	-	-	c,r,m	5
210	274	336	307	238	98	140	181	-	223	522	-15	537	c,m	6
168	223	214	269	280	272	225	225	-	193	413	123	290	c	7
287	329	428	504	476	542	323	308	304	304	602	153	449	b	8
52	454	490	253	239	272	301	225	-	276	672	-113	785	c	9
< 382	-	-	<-710	126	153	101	92	-	-	-	-	-	o,r,l	10
192	207	224	267	232	266	105	151	-	-	-	-	-	c,r	11
223	220	214	266	291	231	223	252	-	204	476	52	424	c	12
|	<-1256	151	105	42	168	241	-210	-	-	-	-	-	c,l,r	13
266	294	304	308	181	59	83	182	-	-	-	-	-	o,r,m,l	14
-11	11	41	101	43	70	123	196	-	65	322	-280	602	o,r	15
-	-	43	196	406	336	398	336	-	-	-	-	-	o,r,d	16
209	308	431	437	462	462	434	441	-	304	518	141	377	c	17
235	196	-	17	224	<-333	-185	|	a	-	-	-	-	c,r	18
<497	<434	-	-	-	-	-	-	-	-	-	-	-	o,r	19
-	-	-	-	-	-	-	-	-	-	-	-	-	c,r,m	20
-	-	-	-	-	-	-	-	-	-	-	-	-	o,r	21
-	-	-	-	-	-	-	-	-	-	-	-	-	o,r	22
-	-	-	-	-	-	-	-	-	-	-	-	-	o,r,d	23
-	-	-	-	-	-	-	-	-	-	-	-	-	c,m	24
119	165	207	224	224	252	224	140	-	-	-	-	-	c,m	25
85	97	99	126	127	140	169	115	121	121	217	81	136	c	26
84	85	70	53	42	41	48	43	85	85	140	28	112	c	27
112	139	210	270	288	274	252	140	-	113	465	-564	1029	c,r,m	28
116	144	249	330	272	281	174	126	-	156	378	34	344	c,f,m	29
126	140	140	155	206	211	186	140	-	132	224	50	174	b,f,m	30
140	150	140	136	101	111	140	162	133	133	200	84	116	b	31
168	195	244	252	258	263	227	168	199						
<129	<99	222	<183	226	<200	<170	168	149						

Septembre - September

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	136	98	84	88	92	130	151	153	-	119	120	112	108	98	85	73	
2	42	38	56	43	69	84	91	97	105	[98]	97	98	84	84	85	83	
3	38	42	69	62	77	83	[85]	-	111	115	126	127	126	129	125	105	
4	56	48	25	59	78	84	91	97	113	126	116	119	126	113	95	74	
5	4	7	15	29	39	42	48	53	52	57	81	62	66	69	84	71	
6	20	70	29	27	42	39	56	98	98	98	70	60	73	84	70	85	
7	-	-	-	-	-	-	-	73	66	95	115	84	63	<-120	-78	98	
8	-22	-29	-22	35	29	71	171	224	141	74	15	-41	28	78	98	85	
9	-41	-53	-13	28	-130	<-232	<-476	-24	84	70	11	45	20	-31	-31	<-153	
10	94	92	90	84	112	140	168	161	147	126	127	126	<56	<28	109	115	
11	64	42	56	48	36	63	67	78	66	98	84	52	70	70	58	151	
12	116	98	36	57	70	101	169	154	168	182	182	238	199	186	176	141	
13	112	84	97	96	112	160	203	193	151	144	122	98	106	125	126	130	
14	87	83	97	99	77	70	84	84	55	59	(210)	160	125	116	143	139	
15	109	109	56	-105	-13	168	224	238	224	189	196	182	129	154	127	154	
16	81	113	90	91	64	-197	112	126	165	132	-21	<-265	<-437	1	336	126	
17	111	97	67	70	105	154	210	231	213	148	136	84	125	113	>542	151	
18	560	561	631	476	347	515	524	462	251	183	136	126	140	151	168	185	
19	126	126	113	74	133	153	235	212	168	150	154	144	147	140	126	48	
20	84	97	172	227	218	252	256	(252)	267	262	171	175	167	168	186	260	
21	158	112	49	39	24	17	-1	4	14	45	4	-395	-1176	-59	-43	-39	
22	8	-113	-1042	-315	-718	-802	-823	-1386	1	56	112	98	7	56	6	7	
23	182	168	203	179	221	182	197	196	202	190	210	151	224	189	217	251	
24	141	140	125	101	151	210	[218]	266	252	238	190	157	171	175	168	175	
25	105	87	84	70	84	140	224	252	252	196	174	160	154	167	151	168	
26	140	139	112	126	109	178	266	252	196	161	146	139	155	182	199	238	
27	377	412	322	147	239	311	351	364	237	210	185	168	207	190	182	210	
28	322	224	183	122	113	182	185	322	307	189	153	-	171	210	216	232	
29	62	42	22	1	3	1	20	56	126	204	266	238	231	231	181	28	
30	8	-14	-27	-24	-8	-29	-25	28	31	29	64	32	-4	-35	-64	26	
A	122	108	99	95	109	143	167	197	188	154	149	135	145	145	135	143	
N	113	101	61	70	61	<78	<106	114	147	135	125	<87	<55	<106	>129	<115	

Octobre - October

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	120	58	126	80	67	63	105	181	186	209	105	55	-41	-140	-28	14	
2	157	154	127	112	112	96	125	181	210	-	98	84	111	1	144	153	
3	98	119	[illegible]	46	76	136	183	125	94	-63	-4	252	>-210	154	239	269	
4	<-97	-14	[illegible]	50	112	98	168	112	223	153	196	126	182	210	153	104	
5	-28	-21	-14	-63	-7	7	126	241	265	238	123	136	129	(171)	206	189	
6	42	42	0	42	42	80	84	67	273	266	224	200	199	232	241	202	
7	46	31	-27	42	-13	-	(126)	171	213	238	235	238	283	326	336	309	
8	63	55	1	-13	-50	-8	0	56	(168)	-	-	-	(210)	252	266	259	
9	67	126	87	91	42	-	113	126	176	218	218	224	196	197	186	153	
10	1	-7	-10	-1	0	-1	0	-1	76	123	151	189	203	224	238	196	
11	60	34	24	1	17	3	42	70	70	48	36	-49	-81	-8	-13	-27	
12	35	-1	70	112	84	153	126	154	242	252	193	140	97	4	70	21	
13	32	56	27	21	28	29	28	84	78	71	91	91	96	112	62	7	
14	1	-112	13	60	130	96	42	112	70	-49	126	237	84	112	91	98	
15	182	126	126	112	42	28	84	74	143	102	133	140	168	171	179	210	
16	91	90	111	143	165	185	293	294	252	238	196	195	196	224	238	273	
17	178	237	171	185	161	196	223	251	287	319	294	227	213	221	238	252	
18	-95	-91	-49	-7	-70	-42	88	98	84	-28	-28	169	284	308	-	335	
19	-56	-32	-14	-97	-41	-50	15	-29	50	120	106	95	132	113	29	28	
20	123	125	143	161	182	238	266	122	126	98	102	82	70	48	43	42	
21	-7	-13	32	42	-29	-56	-42	56	112	141	167	210	238	238	239	182	
22	-53	-50	-32	-31	-32	-29	-4	-3	7	52	130	168	211	196	143	67	
23	-28	-67	-53	-42	-67	-45	-77	1	74	154	196	203	218	252	238	228	
24	-57	-55	-56	-42	-42	-42	-21	-8	-10	56	-13	-28	-66	-11	14	10	
25	14	98	28	125	67	45	50	176	84	42	111	111	71	14	-42	7	
26	-239	-78	-64	0	18	-78	14	-112	-111	7	3	28	34	29	73	67	
27	70	78	99	98	112	126	143	104	7	140	132	127	126	133	140	183	
28	101	53	31	1	0	-1	-25	-14	-6	56	45	73	84	84	59	25	
29	52	28	-14	59	29	119	80	42	-18	-150	-112	-56	-31	-41	28	35	
30	168	176	182	226	122	14	14	83	31	17	17	59	81	111	143	182	
31	-29	-1	28	6	-49	-22	-50	-55	-38	-74	-102	-81	-70	-31	14	-28	
A	91	107	91	104	93	118	137	154	181	169	183	185	195	210	223	226	
N	<33	38	40	50	39	46	75	90	110	103	106	122	>110	130	132	130	

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977

TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
77	90	70	57	56	49	43	41	-	-	-	-	-	c	1
(78)	(56)	(64)	48	14	4	14	28	-	65	120	0	120	c,m	2
106	127	115	106	84	42	56	56	-	-	-	-	-	b	3
49	21	20	28	14	13	0	7	-	66	140	-1	141	c	4
70	73	112	132	144	119	113	55	-	67	197	-11	208	c,m	5
59	56	42	10	24	-	-	-	-	-	-	-	-	c,m .	6
102	60	57.	42	84	64	28	<-280	-	-	-	-	-	o,m,r	7
102	125	112	56	11	4	18	28	-	58	272	-442	714	o,r	8
<-91	-32	(-15)	-53	29	95	168	125	-	<-29	585	<-700	>1285	o,r,d	9
123	119	[162]	126	126	118	112	95	-	<115	213	<-700	>913	c,r	10
168	140	175	165	168	155	133	126	-	99	196	11	185	o,r,d	11
140	154	39	111	141	147	134	119	-	136	270	-95	365	o,r,wind	12
126	140	174	160	182	140	119	85	-	133	224	67	157	c,wind	13
99	-43	-56	-77	-56	70	56	59	-	72	214	-360	574	c,r,wind	14
126	182	210	225	189	143	123	105	-	144	277	-358	635	c,r,wind	15
[189]	182	232	265	230	153	127	116	-	-	-	-	-	c,r,wind	16
228	328	349	406	350	449	532	573	-	>240	>2100	-1134	>3234	c,r,f	17
237	280	266	266	239	196	151	181	-	301	672	91	581	c,f,hf	18
273	99	213	154	102	112	45	63	-	138	531	-15	546	c,r,hf	19
365	423	385	260	294	259	186	154	-	232	462	64	398	o	20
-56	-126	-84	-315	>311	1	-189	38	-	-	-	-	-	o,r	21
-123	-126	-4	84	181	207	134	183	-	-180	322	-1764	2086	o,r	22
238	238	266	266	223	210	196	182	-	208	392	0	392	c,r,m	23
165	224	269	274	221	181	171	126	-	188	308	74	234	c,hf	24
266	361	266	260	196	154	112	141	-	176	431	69	362	c,hf	25
259	364	337	333	291	321	336	284	-	219	503	92	411	c,hf	26
260	372	419	392	308	262	363	462	-	291	546	112	434	c	27
238	238	238	172	144	70	38	56	-	-	-	-	-	b,hf	28
69	105	179	147	92	91	81	67	-	106	420	-112	532	o,hf,r	29
-95	-64	-71	-66	-41	-42	42	126	-	-9	140	-322	462	o,r	30
161	209	220	201	190	160	149	150	155						
<129	139	151	134	>145	135	119	<117	112						

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977

TMGr GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
-168	126	88	143	193	210	181	182	-	90	353	-932	1285	o,r,wind	1
225	147	139	169	182	168	141	109	-	-	-	-	-	o,r	2
293	307	298	258	126	126	155	112	-	>136	>2100	-1911	>4011	c,r	3
71	77	13	-66	-14	-48	-106	-13	-	<73	504	<-700	>1204	o,r,d	4
84	-25	(80)	105	164	126	38	-38	-	93	309	-322	631	o,r,d	5
112	28	91	56	130	98	42	35	-	118	293	-11	304	c,m	6
178	130	55	84	126	126	126	46	-	-	-	-	-	b,m	7
168	(137)	154	182	176	164	126	97	-	-	-	-	-	b,m	8
28	42	31	28	14	4	13	11	-	-	-	-	-	b	9
115	115	(42)	14	28	22	48	76	-	77	252	-28	280	b	10
13	-11	-35	-42	-67	-36	-8	-3	-	2	140	-260	400	o,r	11
31	105	179	155	196	112	35	42	-	109	336	-31	367	c,m	12
36	42	28	15	-43	35	28	52	-	47	126	-302	428	c,m,f	13
112	126	70	101	84	87	154	140	-	83	364	-210	574	o,m	14
168	168	224	227	308	350	209	167	-	160	412	-52	464	c	15
378	389	364	304	224	368	308	197	236	238	420	84	336	b,hf	16
266	(389)	336	318	36	-83	-42	-83	-	200	532	-308	840	b,m,hf	17
350	21	41	-22	-28	13	-11	-69	-	-	-	-	-	c,f,m,hf	18
18	-13	-78	21	181	224	196	125	-	43	244	-221	465	c,f,m,hf	19
56	77	42	70	56	57	42	18	-	101	323	-15	338	o,m	20
176	87	45	14	29	-52	-29	-27	-	73	274	-112	386	b,hf,m	21
49	38	27	29	-14	-53	-57	-43	-	30	253	-98	351	c,f,m,hf	22
98	-14	-14	-57	-81	-67	-73	-49	-	39	309	-126	435	c,f,m,hf	23
73	112	28	56	46	-106	-77	-28	-	-12	238	-218	456	o,f,m	24
-1	42	102	249	78	210	66	-45	-	71	518	-155	673	o,f	25
101	112	83	98	56	62	21	21	-	6	336	-658	994	o,f,m,d	26
197	266	293	392	344	322	266	238	-	172	428	-53	501	o	27
57	15	17	56	76	52	56	45	-	39	237	-43	280	c	28
83	98	101	99	147	84	91	147	-	37	252	-319	571	o,m,d	29
217	182	140	140	112	98	28	28	-	108	297	-39	336	o,m	30
-32	-28	8	-18	-29	-71	-59	-71	-	-37	46	-160	206	o,m	31
170	162	169	169	150	177	147	116	166						
115	106	98	102	91	84	62	47	86						

Novembre - November

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	-59	-70	-83	-70	-41	-43	-31	-59	-56	-25	-57	-29	21	-10	14	28	
2	-43	-60	-60	-15	-21	84	42	122	71	122	130	42	46	-10	-12	-82	
3	62	120	76	-36	40	92	86	-28	-67	-74	<-92	-55	87	71	<-110	<-135	
4	-192	<-133	-	-	-	-	-	<34	160	115	125	120	116	108	128	103	
5	<115	122	65	70	110	154	158	185	186	194	197	178	172	[173]	200	181	
6	-70	-57	-41	-7	-52	-112	-112	-13	67	101	182	224	266	255	266	168	
7	13	1	3	42	56	102	146	182	108	112	238	249	209	172	197	143	
8	-42	-66	-28	-17	0	-56	28	84	98	185	210	196	224	210	[203]	[196]	
9	-42	-178	-171	-153	-42	84	157	125	181	190	126	210	203	196	168	105	
10	168	0	80	126	155	130	189	210	210	218	210	197	251	249	252	224	
11	70	38	15	-14	-39	14	[-14]	38	-14	70	168	196	196	-	223	252	
12	168	221	168	168	175	196	214	238	294	367	392	343	347	349	308	321	
13	112	101	97	112	<84	98	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	206	137	154	126	223	252	224	223	252	
15	182	96	-29	14	41	-168	[25]	7	112	[238]	-	-	-	-	306	301	
16	195	196	169	174	192	196	237	280	294	210	223	238	207	195	228	259	
17	125	77	84	143	154	0	42	132	154	126	126	158	126	168	<252	210	
18	105	98	32	-28	31	56	28	67	42	-42	-153	-70	55	27	-70	87	
19	14	14	<13	<-475	-109	-11	97	126	94	83	84	168	-218	-542	-4	-28	
20	182	210	252	265	280	269	255	280	273	308	315	336	350	364	403	372	
21	153	168	182	143	168	196	252	293	321	340	363	325	349	350	364	322	
22	168	130	67	-76	42	63	38	-14	42	98	70	98	[140]	188	126	-41	
23	171	87	84	150	168	207	237	213	223	168	115	98	57	-56	-6	56	
24	14	-101	-108	-56	-32	-11	-56	-46	-18	-15	14	84	144	126	193	238	
25	56	77	126	-105	-168	1	55	17	126	209	223	280	308	241	222	200	
26	152	154	153	98	98	98	63	-22	55	83	188	349	350	223	224	192	
27	154	168	140	94	84	59	56	26	31	28	27	63	70	67	125	140	
28	43	14	14	11	-11	-28	42	108	137	186	125	174	153	237	298	333	
29	35	35	98	-28	-56	-60	-57	-98	-84	-112	-134	-168	-182	-238	-196	-224	
30	-82	25	277	111	98	290	116	82	207	151	-28	-38	-14	-53	-29	-3	
A	139	149	147	153	171	196	228	284	236	225	260	265	268	252	260	276	
N	<67	<51	<60	<23	<50	68	85	<96	117	127	<125	150	153	122	<155	<143	

Décembre - December

CHAMP ÉLECTRIQUE
ELECTRIC FIELD

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	15	-84	-182	-221	-273	-209	-178	-175	-178	-	-111	-147	-127	-139	-70	-70	
2	-18	29	-13	60	28	20	82	179	91	38	-14	-35	-27	-42	28	14	
3	-14	-11	14	168	239	249	169	122	56	-	36	308	344	197	157	196	
4	22	126	-92	-69	71	126	84	17	-7	73	56	113	256	176	-25	-4	
5	-80	-88	-122	-126	[ ]	-97	-126	-84	-84	-118	-105	-98	-154	-126	-182	-238	
6	-119	-116	-41	-49	-42	-49	25	-567	185	-162	-84	-84	-118	-84	-45	-84	
7	6	42	84	57	41	42	50	1	-28	-14	21	88	69	14	-21	-21	
8	-84	-85	-60	-60	-123	-98	-70	-101	-70	-	[-43]	-76	-84	-112	-182	-232	
9	-196	-183	-252	-253	-251	-237	-226	-252	-258	-252	-169	-154	-182	-42	-112	-168	
10	24	-15	-1	14	29	63	84	92	109	128	139	155	168	160	126	153	
11	31	39	84	74	63	62	71	129	196	273	353	399	406	403	343	375	
12	332	294	349	364	451	451	498	431	494	465	469	505	518	515	476	423	
13	306	265	279	241	224	309	266	326	335	410	518	557	574	638	630	617	
14	-122	-55	-105	-42	46	-29	29	8	-71	-29	-154	-41	-262	-312	-154	-112	
15	-268	-98	31	<-111	-49	<-69	182	128	282	378	332	508	589	672	575	633	
16	-168	-196	-308	-347	-266	-155	-70	-42	-67	83	14	71	274	382	42	290	
17	182	176	190	126	56	112	115	126	125	255	192	259	295	403	356	292	
18	-27	14	7	-3	-53	-14	-42	-57	-106	-84	-120	-112	27	-84	-84	7	
19	11	4	-35	-56	-42	-13	-28	-57	-81	-74	67	108	140	49	20	-41	
20	-102	-84	-42	-27	15	-60	-71	-	-91	-4	-43	56	95	22	132	154	
21	-42	-20	-375	-154	-172	-251	-126	-29	-85	169	196	[34]	73	-11	42	168	
22	126	-14	4	-31	11	70	[154]	196	55	-13	203	309	269	295	267	172	
23	232	136	112	95	168	147	190	203	172	196	165	116	196	175	20	125	
24	-133	-209	-238	-251	-224	-196	-294	-28	-67	-98	-148	-161	-315	-266	-64	56	
25	146	168	126	129	127	164	[141]	[-70]	-378	-378	-382	-353	-399	-45	-183	-98	
26	182	154	127	119	183	203	228	183	154	129	-15	-14	20	-125	57	28	
27	-92	-95	42	55	-17	42	92	85	84	148	143	[113]	112	169	84	112	
28	-266	-298	-22	-43	35	84	7	-56	-28	84	175	238	167	217	238	203	
29	-24	-45	-42	-85	-81	-56	14	28	20	-	[167]	141	1	14	<207	<-87	
30	140	-21	-125	-115	-28	-168	[<-626]	-272	-41	-168	<-220	1	-42	<-441	<-588	<-220	
31	70	98	35	125	154	162	1	>322	43	133	56	-27	-60	-73	28	224	
A	224	160	199	184	195	185	194	244	342	383	383	318	328	423	392	381	
N	2	-6	-18	<-13	7	<20	<20	>27	25	59	<48	93	94	<84	<55	<86	

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977

TMGR-GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L' indication du temps Type of weather	Date
-7	-21	-25	-140	-56	-84	56	-55	-	-42	658	-630	1288	o,d,m,r	1
<-216	<-132	<-65	<-240	<-202	-58	82	77	-	<-17	168	<-240	>408	o,d,r,m	2
-62	-96	-56	107	122	12	-23	-83	-	<-2	212	<-240	>452	o,f,m,d	3
134	174	125	97	<12	<-48	<73	189	-	-	-	-	-	c,r,f,m,t	4
178	188	151	129	136	143	-10	13	-	<141	234	<-240	>474	c,r	5
154	105	98	101	120	60	59	77	-	77	280	-140	420	c,m	6
133	122	69	42	41	42	17	-13	-	101	377	-98	475	c,m	7
148	158	207	196	182	144	46	28	-	106	238	-112	350	c,m	8
<-651	126	<-67	1	1	1	1	<441	-	-	-	-	-	c,r,t,h	9
252	210	125	87	42	52	91	45	-	157	280	-42	322	c,m	10
[223]	228	179	179	182	199	172	140	-	-	-	-	-	c,m,r	11
322	-42	-15	-50	1	1	-41	60	-	-	-	-	-	o,r,wind	12
-	-	-	-	-	-	-	-	-	-	-	-	-	o,r,wind	13
228	252	203	168	207	52	-238	-370	-	-	-	-	-	o,r	14
322	286	336	336	302	273	285	227	-	-	-	-	-	c,r	15
321	286	269	168	42	88	98	70	-	201	336	20	356	c	16
126	168	238	196	210	182	109	102	-	<142	1512	<-2100	>3612	o,r	17
216	217	126	210	182	0	63	32	-	55	364	-283	647	o,hf,m,d	18
<-164	160	207	192	7	-25	42	161	-	<-6	1512	<2100	>3612	o,r	19
412	384	371	295	210	193	126	125	-	285	448	112	336	c	20
308	267	266	273	266	224	214	210	264	264	392	126	266	c,hf	21
-56	-4	97	153	168	126	137	182	-	81	237	-512	749	o,r	22
74	98	102	80	70	55	43	56	-	106	377	-265	642	o,hf,r	23
238	154	141	144	112	109	98	66	-	60	286	-172	458	o,hf,r	24
224	281	132	153	224	207	182	196	-	143	1340	-1386	2726	c,r	25
196	102	98	88	129	126	94	113	-	142	420	-290	710	c,m,hf	26
196	111	125	182	168	133	32	56	-	98	280	-42	322	c,s	27
433	490	392	258	78	7	-42	-3	-	122	518	-98	616	o,s	28
-321	-308	-364	-245	-182	-97	42	13	-	-122	186	-459	645	o,s,d,m	29
-22	-210	-84	-323	-38	-113	-85	182	-	18	773	-1235	2008	o,s	30
240	245	257	205	203	185	177	165	226						
<116	<130	<117	<101	<102	<74	<56	<81	99						

ATMOSPHÉRIQUE [V/m]
STRENGTH [V/m]

1977

TMG - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L' indication du temps Type of weather	Date
4	-55	-27	-84	-28	49	-8	13	-	-	-	-	-	o,s	1
-25	36	32	14	45	158	42	0	-	30	269	-74	343	o,s,g	2
238	73	49	84	84	71	129	210	-	-	-	-	-	c,s,hf	3
92	0	-13	-8	-46	-63	-80	-84	-	31	353	-189	542	o,g	4
-172	-119	-143	-126	-42	84	-35	-232	-	-112	168	-392	560	o,s	5
-112	-112	-70	-45	111	53	1	13	-	-67	1428	-1806	3234	c,s,g	6
15	14	7	11	-7	-42	-69	-52	-	13	140	-84	224	c	7
-210	-182	-252	-283	-265	-297	-259	-193	-	-	-	-	-	o,d	8
-146	-70	-28	-56	-21	57	99	77	-	-137	385	-364	749	o	9
98	98	144	126	125	111	112	99	-	98	252	-49	301	c	10
378	391	407	413	364	350	276	245	255	255	456	14	442	b	11
468	494	490	519	470	406	377	346	442	442	580	238	342	b	12
483	491	319	252	164	168	63	42	-	353	585	-126	711	c,g	13
-59	-126	-237	-67	-290	-336	-487	-504	-	-146	224	-697	921	o,g,m,d	14
507	292	364	549	196	-42	-70	-175	-	<222	861	<-700	>1561	o,d,m,f	15
-73	116	6	224	122	172	165	70	-	14	465	-531	996	c,d,m	16
405	209	56	185	283	175	-42	-84	-	185	497	-182	679	c,d	17
-136	28	87	-35	-71	-39	-3	1	-	-37	146	-200	346	o,d	18
-45	-45	-112	-143	-259	-294	-36	-56	-	-42	224	-482	706	c,d	19
91	188	-126	-125	-272	-115	-125	-155	-	-	-	-	-	o,d	20
-46	182	99	167	252	466	458	252	-	52	609	-489	1098	o,d,m,f	21
64	59	14	280	428	526	291	183	-	165	630	-168	798	o,f,m,d,hf	22
57	-42	-77	-56	-60	-127	-112	-165	-	78	280	-308	588	c,m,hf,r	23
41	64	98	140	143	140	126	112	-	-74	266	-844	1110	c,r,d,wind	24
-84	-59	-154	105	168	165	210	210	-	-30	238	-2075	2313	o,r,wind	25
-15	48	6	<-270	<-553	<-391	<-643	-318	-	<-22	280	<-700	>980	o,d	26
42	56	28	-4	43	42	11	-41	-	52	238	-153	391	o,r,d	27
225	42	-49	-60	-101	-27	-137	-28	-	25	294	-557	851	o,r,m	28
-28	-101	21	97	174	81	134	123	-	-	-	-	-	o,r,d	29
-13	59	98	119	193	1	<56	63	-	-	-	-	-	o,d,r,s,wind	30
182	-1	98	83	15	-62	-97	1	-	-	-	-	-	o,s	31
434	459	405	395	417	378	326	230	311						
72	65	36	<65	<45	<49	<11	-1	38						

Janvier - January

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

× 10^{-15} [Ω^{-1} m^{-1}]
× 10^{-15} [Ω^{-1} m^{-1}]

1977
TMGr - GMT

date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
1	2.3	2.4	2.5	-	-	2.8	[2.5]	2.4	2.5	2.8	2.9	[3.1]	3.0	2.6	2.6	2.7		2.8	3.5	3.7	4.2	5.0	6.5	7.1	7.3	-	-	-	-	-	c	1
2	7.0	6.6	6.0	6.5	6.5	7.0	7.4	6.2	5.2	5.0	4.1	3.7	3.8	4.4	3.9	4.2		4.9	4.5	4.6	4.5	4.8	4.6	5.1	5.4	-	5.2	7.7	3.0	4.7	o,r	2
3	6.1	6.4	6.7	6.5	5.7	5.8	5.9	4.6	4.9	4.8	5.0	4.4	4.6	3.6	3.5	3.9		4.5	4.7	4.8	4.8	4.6	4.8	5.0	4.8	-	5.0	7.5	3.1	4.4	o,r,s	3
4	4.7	4.5	4.7	4.5	4.2	4.0	3.9	3.7	3.7	3.7	3.6	3.7	3.5	3.1	2.7	2.7		2.8	2.7	2.0	1.8	2.4	3.1	3.7	4.0	-	3.5	5.0	1.8	3.2	c	4
5	3.8	3.4	3.5	3.8	3.5	3.1	3.5	3.1	2.9	3.0	2.7	2.3	2.0	2.0	2.2	1.8		1.8	2.2	1.8	1.9	1.8	2.4	2.9	3.5	-	2.7	3.9	1.4	2.5	o	5
6	3.5	3.5	3.7	3.3	3.0	2.5	2.5	2.7	2.5	2.3	2.8	2.6	2.7	2.4	2.8	3.0		3.2	3.6	4.2	4.3	4.2	4.2	4.3	4.4	-	3.3	4.6	2.0	2.6	o,s	6
7	4.5	4.8	4.1	3.5	4.1	3.1	3.1	3.6	3.9	3.9	3.7	3.7	3.9	4.0	4.0	3.9		3.3	3.3	3.3	3.1	3.3	3.5	3.3	2.9	-	3.7	5.1	2.5	2.6	o,g,d,s	7
8	3.3	4.1	4.5	6.2	6.2	5.0	7.0	4.8	3.7	3.1	3.1	3.1	3.9	4.4	3.9	4.0	3.5	2.6	2.7	1.6	1.1	1.0	1.1	1.4	1.8	-	3.5	11.3	0.8	10.5	o,s,g	8
9	3.1	2.7	3.4	3.1	2.6	3.6	6.4	7.5	4.3	6.0	5.0	4.4	5.4	4.8	4.3	4.8		4.8	4.1	2.5	2.5	2.8	3.1	3.0	3.0	-	4.0	8.2	2.0	6.2	c,s,hf	9
10	2.9	3.1	3.5	3.3	3.1	3.4	3.2	3.1	3.0	2.9	2.9	2.8	3.1	3.0	2.8	2.6		2.8	3.3	3.5	3.5	3.6	4.1	4.2	4.5	-	3.3	4.7	2.5	2.2	c	10
11	4.6	4.6	5.0	4.9	4.4	4.3	4.0	3.5	4.0	3.9	4.0	3.4	3.7	3.7	3.3	3.2		3.6	4.2	3.9	4.1	4.8	4.5	4.6	5.0	4.1	4.1	5.2	2.9	2.3	c	11
12	5.2	5.4	5.7	6.0	6.1	6.0	5.4	5.0	5.6	5.2	5.3	5.1	4.4	5.1	4.8	3.3		3.5	4.9	4.8	5.0	5.2	4.8	5.3	5.4	-	5.1	6.7	2.7	4.0	c,r	12
13	5.0	5.6	6.0	6.0	4.8	3.1	2.5	2.0	1.8	1.8	1.7	1.6	1.8	2.4	2.4	2.7		2.9	2.8	2.0	1.8	2.3	2.8	3.1	3.5	-	3.0	6.4	1.4	5.0	c,r,s,m	13
14	4.1	3.9	5.0	5.6	4.1	4.6	5.0	3.9	3.7	3.9	3.9	3.8	3.8	3.6	3.8	3.7		3.4	3.6	3.8	3.5	4.1	4.5	4.8	5.2	-	4.1	6.0	2.7	3.3	o,d,r,s	14
15	5.3	6.0	6.0	4.8	5.1	5.1	4.4	4.4	4.5	4.6	4.5	4.8	4.7	4.8	4.4	4.6		4.4	4.6	4.8	5.0	6.3	6.6	6.7	7.6	-	5.2	8.1	4.1	4.0	c	15
16	7.9	7.9	7.3	7.5	7.5	7.3	7.0	6.4	5.5	5.2	5.2	5.4	5.2	4.8	4.9	4.8		4.8	4.8	4.1	3.9	5.0	6.0	6.0	6.4	-	5.9	8.3	3.5	4.8	o,s	16
17	7.0	6.8	6.6	6.0	5.6	4.8	3.9	2.9	2.9	3.3	3.4	3.5	3.4	3.2	2.2	1.6		1.2	1.4	1.5	1.5	2.0	2.5	2.9	3.0	-	3.5	7.3	1.1	6.2	c,s	17
18	2.9	3.1	3.2	2.9	2.8	2.5	2.2	1.8	1.9	2.3	2.8	2.7	2.8	2.6	2.3	1.9		2.1	2.1	2.0	1.8	1.7	1.6	1.6	1.7	-	2.3	3.4	1.4	2.0	b,hf	18
19	2.4	2.0	2.1	2.1	2.2	2.2	2.3	1.9	2.2	2.3	2.3	2.3	2.3	2.2	1.7	1.2		1.0	0.8	0.8	0.8	0.8	0.8	1.0	1.1	-	1.7	3.0	0.6	2.4	c,hf,s	19
20	1.4	1.8	1.9	2.0	2.4	2.3	2.3	1.9	1.9	1.7	1.6	1.8	2.3	2.5	1.9	1.6		1.6	1.3	1.1	1.2	1.0	1.0	1.0	0.9	1.7	1.7	2.7	0.8	1.9	c,hf	20
21	0.8	0.8	1.0	1.2	1.4	1.5	1.4	1.2	1.4	1.5	1.3	1.7	2.1	1.8	1.0	0.8		0.9	1.0	1.3	1.2	1.0	1.2	1.4	1.3	-	1.3	2.3	0.6	1.7	o,s,m	21
22	1.4	1.6	1.9	2.0	2.2	2.3	2.4	2.3	2.2	2.4	2.5	3.0	3.4	3.1	2.1	1.8		2.0	2.1	2.1	2.5	2.6	2.6	2.9	2.9	-	2.3	4.0	1.2	2.8	c,s	22
23	2.7	2.6	2.8	2.9	3.1	3.3	3.3	2.9	2.8	2.9	2.5	2.7	2.5	2.7	2.6	2.7		2.7	2.9	2.7	2.6	2.7	3.1	3.3	3.3	-	2.8	3.5	2.3	1.2	o	23
24	3.2	3.4	3.3	2.8	2.3	2.0	1.8	1.6	1.5	2.3	2.9	2.8	2.3	2.0	2.0	2.1		2.0	1.9	1.9	1.6	2.1	1.8	1.8	1.5	-	2.2	3.7	1.3	2.4	o,m,d	24
25	1.7	2.0	2.3	1.7	1.7	1.9	2.2	1.8	1.7	1.2	1.0	1.2	1.2	1.2	1.0	1.0		1.2	1.2	1.0	1.4	1.5	1.3	1.6	1.7	-	1.5	2.7	0.8	1.9	o,d,f	25
26	1.9	1.9	2.0	2.0	2.0	2.2	2.5	2.4	2.3	2.5	2.5	2.3	2.1	2.0	1.8	1.4		1.4	1.6	1.7	1.7	1.8	2.2	2.2	2.2	-	2.0	2.7	1.2	1.5	o,r,d,m,f	26
27	2.4	2.6	2.4	2.5	2.7	2.5	2.5	3.6	3.3	4.0	4.2	4.8	4.6	4.1	3.1	2.5		2.5	2.3	1.8	2.8	3.4	3.5	3.3	3.5	-	3.1	5.1	1.6	3.5	c	27
28	3.5	4.2	3.5	3.7	3.0	2.8	2.3	2.4	2.7	2.5	2.6	2.5	2.3	2.0	1.6	1.4		1.6	1.6	1.2	1.2	1.2	1.4	1.8	2.0	-	2.3	4.5	0.8	3.7	o,d	28
29	2.2	2.4	3.0	3.3	3.5	3.2	2.9	2.8	3.2	3.1	3.5	3.7	[3.7]	3.5	3.1	2.5		1.8	2.0	2.5	[2.7]	2.9	3.1	3.7	3.7	-	3.0	4.0	1.6	2.4	c,d	29
30	4.0	4.1	4.1	3.8	3.4	3.3	3.1	2.7	2.2	2.3	2.0	2.1	2.2	2.0	1.8	1.6		1.8	2.1	2.0	1.6	1.8	1.8	2.6	4.6	-	2.6	5.2	1.4	3.8	o,d,r,s,m,f	30
31	5.8	3.3	3.4	4.6	3.7	3.7	5.0	4.2	4.1	3.5	3.5	3.3	3.1	3.8	4.2	3.1		3.3	2.9	3.2	3.0	2.9	3.0	2.8	[3.1]	-	3.6	6.5	2.3	4.2	o,s	31
A	3.4	3.7	4.0	3.9	4.0	3.6	3.4	3.1	3.2	3.2	3.2	3.2	3.2	3.1	2.7	2.4		2.6	2.7	2.4	2.3	2.5	2.8	3.0	3.4	3.1						
N	3.8	3.8	3.9	4.0	3.8	3.6	3.7	3.3	3.2	3.2	3.2	3.2	3.2	3.1	2.9	2.7		2 7	2.8	2.7	2.7	2.9	3.1	3.4	3.6	3.3						

A - Valeur moyenne pour les periodes du "beau temps". Mean values for the "fair weather".
N - Valeur moyenne pour tous les jours. Mean values for all days.

Février - February

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

× 10^{-15} [Ω^{-1} m^{-1}]
× 10^{-15} [Ω^{-1} m^{-1}]

1977

TMGr - GMT

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
1	3.1	3.3	3.5	3.9	2.9	2.9	3.1	2.9	3.0	2.7	2.5	2.3	2.5	2.5	2.0	1.9		1.7	1.8	1.6	1.6	1.4	2.0	2.3	1.8	-	2.5	4.2	1.4	2.8	o,s	1
2	2.1	2.2	2.2	2.1	2.0	1.8	2.1	2.0	2.1	1.6	1.5	1.5	1.6	2.0	1.5	1.3		1.1	1.0	1.0	1.0	0.8	0.8	0.8	1.1	-	1.6	4.0	0.7	3.3	c,s	2
3	1.4	1.5	1.6	[1.6]	1.6	[1.6]	1.4	1.4	1.4	1.6	2.5	3.5	3.4	3.3	2.5	2.3		2.5	2.6	3.8	4.1	5.2	5.0	6.4	5.8	-	2.8	6.6	1.2	5.4	o	3
4	5.4	4.2	4.4	3.9	2.3	2.0	3.3	2.5	2.9	3.1	2.7	2.5	2.6	2.6	2.5	2.3		2.0	1.7	2.2	2.6	2.7	2.9	3.1	3.6	-	2.9	5.8	1.5	4.3	c	4
5	3.6	3.7	3.7	3.5	2.9	2.8	3.1	2.8	2.4	2.3	2.3	2.5	2.2	2.0	1.6	1.5		1.9	1.9	2.1	2.1	2.3	2.4	2.5	2.7	-	2.5	4.0	1.2	2.8	o,s	5
6	2.7	2.8	2.8	2.6	2.3	2.0	2.0	1.6	1.3	[0.9]	0.8	1.0	1.2	1.2	0.8	0.6		0.8	0.8	1.2	1.3	1.4	1.6	1.7	1.8	-	1.6	2.9	0.6	2.3	o,s,d,f	6
7	1.8	2.0	1.8	1.6	1.6	1.6	1.6	1.4	1.4	1.3	1.6	2.3	2.5	2.6	1.6	1.2		1.5	1.8	1.8	1.8	2.0	2.2	2.9	4.1	-	1.9	4.7	1.0	3.7	o,r,m	7
8	3.5	2.9	3.0	2.5	3.5	3.3	3.5	3.4	3.8	4.4	4.6	5.2	5.8	4.1	3.1	3.0		4.4	3.5	3.2	3.3	2.9	3.5	3.5	3.9	-	3.7	8.3	1.9	6.4	c,r	8
9	4.3	4.1	4.7	5.0	[4.6]	4.6	4.2	4.3	5.2	5.4	6.0	5.1	4.3	4.5	3.9	2.8		2.7	2.9	2.6	2.3	2.7	3.0	4.6	4.6	-	4.1	9.4	1.9	7.5	c,r,g,s	9
10	4.8	2.3	2.3	2.9	2.5	2.3	1.3	1.6	1.8	3.7	3.1	3.3	3.3	3.3	3.1	2.5		1.8	2.0	2.2	2.3	2.7	3.1	3.5	3.5	-	2.7	8.1	1.0	7.1	c,hf	10
11	3.5	3.5	3.3	3.3	2.8	3.0	2.7	2.6	2.7	2.5	2.0	1.8	1.3	1.8	2.0	1.7		1.4	1.6	2.2	1.8	1.9	1.7	1.5	1.4	-	2.2	3.9	1.0	2.9	o,s	11
12	1.4	1.4	1.5	1.8	[1.8]	1.5	1.3	0.8	1.0	0.8	1.2	1.4	1.6	1.6	1.0	0.8		0.8	1.2	1.2	1.2	1.3	1.6	2.0	2.3	-	1.4	2.6	0.5	2.1	o,s,f,m	12
13	2.7	3.1	3.1	3.3	3.3	3.9	3.9	3.4	3.1	3.3	3.5	3.5	3.7	2.9	3.1	3.1		2.9	3.1	2.6	2.8	2.7	2.8	2.8	3.7	-	3.2	4.2	2.2	2.0	o	13
14	3.8	3.9	3.6	3.3	3.6	3.3	3.3	3.0	3.0	2.9	2.8	2.7	2.8	2.5	2.5	2.5		2.4	2.5	2.6	2.5	2.7	2.9	3.1	3.3	-	3.0	4.4	2.0	2.4	o,s,g	14
15	3.3	3.3	3.2	2.4	2.4	2.5	2.5	2.4	2.3	2.3	2.3	2.3	2.8	2.7	2.7	2.3		2.3	2.2	2.5	2.3	2.7	3.1	3.3	3.1	-	2.6	3.7	1.2	2.5	o,s	15
16	3.5	3.1	2.7	2.5	2.3	2.1	2.2	2.0	1.7	1.8	2.0	2.8	2.7	2.3	2.0	1.8		1.7	1.9	1.6	1.6	[2.1]	2.2	1.8	2.3	-	2.2	4.3	1.0	3.3	o,s	16
17	3.2	3.8	3.5	3.7	3.9	3.5	3.2	3.0	3.4	2.9	2.8	2.7	3.5	3.7	2.5	1.6		1.2	1.0	1.2	1.2	2.0	2.2	2.3	2.0	-	2.7	4.8	0.9	3.9	o	17
18	2.8	2.6	2.4	-	-	1.2	1.0	1.0	1.4	1.4	1.6	1.8	2.1	2.0	1.6	[1.6]		1.8	2.0	2.0	1.8	2.1	2.5	2.1	1.8	-	-	-	-	-	c,r,s,m	18
19	1.4	1.4	1.6	1.6	1.2	1.4	1.6	1.4	1.6	1.6	2.0	2.3	2.6	2.4	2.5	2.5		2.6	2.7	2.7	3.5	3.9	4.1	4.4	4.8	-	2.4	5.0	0.8	4.2	c,m	19
20	4.8	5.0	5.1	4.4	3.1	3.6	4.6	3.9	3.5	3.5	3.5	[3.9]	-	2.8	2.9	3.0		1.9	1.5	1.2	1.8	2.7	3.6	4.1	5.0	-	-	-	-	-	o,r,m	20
21	5.4	4.7	4.1	3.9	3.5	3.0	2.5	2.3	2.5	2.5	2.7	3.0	2.7	1.7	1.2	1.3		0.9	0.8	1.0	0.8	1.0	1.2	1.5	1.8	-	2.3	5.6	0.7	4.9	o,r,m,f	21
22	1.8	1.8	1.6	1.6	1.6	1.6	1.4	1.8	2.0	2.6	3.1	3.1	2.9	2.3	2.5	1.8		1.4	0.9	0.7	0.8	1.0	1.0	1.1	1.3	-	1.7	3.5	0.5	3.0	c,f,m	22
23	1.4	[1.6]	[1.3]	1.6	1.4	1.0	0.8	1.3	1.2	1.4	1.4	1.8	2.2	2.0	2.0	1.9		1.4	1.1	1.0	0.8	1.0	1.0	1.0	1.0	-	1.4	2.5	0.7	1.8	c,f,m,hf	23
24	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.3	2.7	2.9	2.7	1.9		1.3	1.0	1.6	1.8	[1.6]	1.2	1.3	1.6	-	1.6	3.0	1.0	2.0	c,f,m	24
25	1.9	1.5	1.8	1.6	1.6	1.3	[1.2]	1.0	1.0	1.4	1.8	1.9	2.1	2.0	1.6	-		1.4	1.8	1.8	3.1	3.2	2.7	2.0	2.3	-	-	-	-	-	o,m,hf,r	25
26	-	-	-	-	-	-	3.3	3.2	3.3	3.7	3.0	3.3	3.7	3.8	4.3	4.4		4.7	4.9	4.8	6.0	5.2	6.0	6.4	(8.3)	-	-	-	-	-	o,r,s,d	26
27	10.4	-	-	8.7	8.7	7.7	(7.5)	6.9	5.6	4.8	3.9	4.3	4.5	5.8	4.6	4.8		4.8	4.0	4.6	4.9	5.0	5.0	6.0	6.4	-	-	-	-	-	o,s	27
28	5.3	4.1	3.7	4.1	5.2	3.9	3.4	3.5	3.5	4.5	5.9	3.8	4.0	4.1	(4.8)	3.1		2.7	2.7	3.1	3.0	3.6	3.3	4.2	5.2	-	3.9	11.0	1.8	9.2	o,s	28
A	3.1	2.3	2.3	2.9	2.4	2.2	2.3	2.0	2.0	2.4	2.4	2.4	2.4	2.4	2.3	2.0		1.7	1.9	2.2	2.4	2.5	2.5	3.5	3.6	2.4						
N	3.4	2.9	2.8	3.0	2.8	2.6	2.6	2.5	2.5	2.6	2.7	2.8	2.9	2.8	2.5	2.2		2.1	2.0	2.1	2.3	2.5	2.7	2.9	3.2	2.6						

Mars - March

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

× 10^{-15} $[\Omega^{-1}\ m^{-1}]$
× 10^{-15} $[\Omega^{-1}\ m^{-1}]$

1977

TMGr - GMT

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
1	3.8	3.5	3.7	3.4	3.1	2.5	2.4	2.8	2.6	2.9	3.0	3.3	4.7	3.6	3.3	3.2		3.7	3.4	3.3	4.2	3.5	5.4	3.9	4.4	-	3.5	14.7	2.0	12.7	o,s	1
2	7.9	10.0	8.1	6.5	8.1	6.4	4.6	3.9	4.1	2.9	3.2	3.6	3.9	3.7	2.9	3.4		3.2	2.6	2.8	2.6	2.7	2.5	2.6	2.5	-	4.4	12.0	1.8	10.2	c,s	2
3	2.3	2.0	2.0	2.0	1.8	1.8	1.8	2.3	2.7	4.0	4.0	3.5	2.9	2.7	2.3	1.8		1.5	1.8	2.4	2.3	2.0	1.9	2.0	2.3	-	2.3	5.1	1.2	3.9	o,m,s	3
4	2.3	2.5	3.9	5.3	5.8	4.7	3.3	4.1	3.9	3.8	3.8	3.5	3.3	3.3	2.5	2.5		2.5	2.7	3.1	2.9	4.3	7.5	7.0	9.2	-	4.1	10.4	1.8	8.6	o,r	4
5	10.6	9.8	-	-	-	-	-	-	-	-	5.6	5.8	5.6	6.2	6.3	6.2		6.0	5.4	5.4	5.8	5.8	6.6	8.1	7.0	-	-	-	-	-	o,r,wind	5
6	5.4	4.4	5.2	6.2	5.6	5.6	4.8	4.2	3.9	3.9	3.7	3.9	4.2	[4.7]	4.8	4.1		4.6	5.2	4.5	4.2	4.9	5.0	5.0	4.1	-	4.7	8.7	2.9	5.8	o,r	6
7	4.9	5.9	7.5	7.0	6.5	4.8	4.5	6.3	7.1	6.8	7.6	6.5	5.8	5.2	4.8	4.8		4.7	2.0	1.4	2.0	4.2	4.4	4.4	4.1	-	5.1	8.7	1.2	7.5	c,s	7
8	4.1	4.4	5.8	5.2	5.6	5.0	3.9	3.2	3.5	3.6	4.0	4.4	4.1	3.7	3.3	4.1		3.9	3.3	-	3.2	3.2	3.2	3.1	[2.9]	-	-	-	-	-	r,hf,r	8
9	-	3.7	3.8	3.1	4.4	4.8	3.7	3.6	3.7	3.9	4.8	5.0	4.7	4.0	3.9	4.1		3.9	3.1	2.4	1.7	1.4	1.0	1.2	1.4	-	-	-	-	-	c,r,d	9
10	1.6	1.6	2.2	2.7	2.4	2.5	2.2	2.6	2.8	3.3	3.9	3.9	3.9	4.1	3.9	3.6		3.1	3.1	3.8	3.7	4.1	4.9	5.3	4.4	-	3.3	5.4	1.4	4.0	b	10
11	4.5	4.9	3.9	3.7	[3.5]	3.1	3.1	2.9	3.1	3.3	3.5	3.3	3.4	3.9	4.2	4.4		3.3	2.7	3.6	4.2	4.8	4.8	4.8	5.0	3.8	3.8	5.2	2.3	2.9	b,hf	11
12	5.2	5.1	5.0	4.8	4.5	4.2	3.9	3.8	3.9	3.9	4.4	4.4	4.8	4.8	4.1	3.7		[3.7]	3.0	4.3	4.8	4.8	5.2	5.4	5.4	-	4.3	5.6	2.3	3.3	c,r	12
13	5.6	5.7	5.3	5.2	5.4	5.0	4.5	4.2	4.4	4.7	4.7	4.8	4.8	5.0	5.6	5.2		3.9	4.7	5.2	5.2	5.6	5.6	5.3	4.4	-	5.0	6.2	3.7	2.5	c,r	13
14	4.6	5.0	4.8	3.9	3.9	2.7	3.1	[3.9]	[4.1]	4.0	3.7	3.6	3.8	4.5	5.2	4.3		3.5	2.2	3.1	3.7	3.5	3.1	2.9	2.8	-	3.7	5.6	1.8	3.8	c,r,d,f	14
15	2.4	2.3	2.0	2.0	1.8	1.8	1.4	1.6	2.8	2.5	2.7	3.0	3.2	3.3	4.1	4.6		3.9	2.4	1.6	1.0	0.8	0.8	0.8	1.6	-	2.3	6.2	0.7	5.5	c,m,f,r	15
16	1.8	1.8	1.8	2.0	1.8	1.5	1.8	2.0	2.3	2.6	2.9	3.1	3.6	3.9	4.0	4.4		3.4	2.0	1.1	1.0	1.2	1.8	2.0	2.5	-	2.3	5.3	1.0	4.3	c,m	16
17	2.5	2.1	2.0	1.8	1.4	1.7	2.2	3.3	3.6	3.7	3.9	4.3	4.6	4.1	4.4	4.2		3.7	3.9	4.5	4.8	4.8	4.6	4.8	5.1	-	3.6	5.2	1.3	3.9	c,hf	17
18	5.0	5.0	4.6	4.1	3.9	3.7	3.7	3.5	3.7	4.0	4.1	3.9	4.3	4.4	4.2	3.7		3.1	3.4	4.4	4.8	5.0	5.0	5.2	5.1	-	4.2	5.3	2.9	2.6	c	18
19	5.0	5.0	5.2	4.8	3.9	2.7	3.0	4.1	4.6	4.4	4.8	5.0	4.6	4.6	4.4	3.5		3.5	3.8	4.6	5.2	6.0	6.4	6.4	6.4	-	4.7	6.8	2.3	4.5	c	19
20	6.0	5.8	5.6	5.0	5.0	5.1	4.7	4.7	5.0	5.1	5.4	5.1	5.2	5.2	5.0	4.0		2.7	2.3	2.4	2.5	2.9	3.6	3.9	3.9	-	4.4	6.4	2.1	4.3	o,r	20
21	3.9	3.7	3.0	3.0	3.3	2.0	2.2	2.5	3.5	4.5	4.9	4.4	4.3	4.3	4.4	5.6		5.0	3.1	1.6	1.5	1.5	1.4	1.2	1.6	-	3.2	6.2	1.2	5.0	c,r,m	21
22	1.8	2.8	2.7	2.3	2.3	1.6	2.2	2.9	3.5	3.7	4.6	4.4	4.1	4.2	4.2	4.4		2.7	1.7	1.2	1.0	1.0	1.2	1.4	1.7	-	2.6	5.0	0.9	4.1	c,m	22
23	1.5	1.4	1.3	1.6	1.8	1.1	1.6	1.8	3.1	3.3	3.9	4.2	4.6	5.0	4.5	4.9		4.1	3.7	3.3	3.0	6.7	6.7	7.0	7.0	-	3.7	9.6	0.8	8.8	c,f,m	23
24	7.6	7.9	8.1	7.9	6.4	5.2	5.7	6.0	6.0	[6.0]	5.6	6.3	6.4	5.2	4.3	4.2		3.1	2.3	2.5	2.5	[3.4]	3.8	4.6	5.0	-	5.2	9.0	2.0	7.0	c	24
25	6.0	5.4	5.5	4.8	3.5	2.8	3.3	3.8	4.1	4.4	4.8	4.2	3.9	4.2	4.3	3.9		3.3	2.6	[2.5]	2.9	3.5	3.0	4.8	5.6	-	4.0	8.3	1.5	6.8	c,r	25
26	6.6	6.7	6.6	7.7	8.1	7.5	6.4	4.3	4.5	4.8	5.4	5.0	4.8	5.2	5.4	5.4		5.6	5.4	5.0	3.7	3.9	3.5	2.5	2.6	-	5.3	9.0	2.1	6.9	o,r	26
27	2.4	2.7	3.7	5.2	5.4	3.7	4.1	4.0	4.1	4.6	3.8	4.2	4.1	4.3	4.4	3.7		2.9	1.9	1.6	1.8	2.3	2.4	2.0	1.4	-	3.4	5.7	1.0	4.7	o,hf,r,m	27
28	1.6	2.8	3.0	3.4	2.9	2.2	2.1	2.6	3.1	3.3	4.5	5.8	5.4	5.4	4.8	3.9		1.8	1.2	1.2	4.2	4.4	5.4	5.0	5.6	-	3.6	6.8	0.8	6.0	c,r,h,f,m,t	28
29	8.0	7.9	8.5	8.8	8.5	6.6	5.6	5.2	4.2	5.4	(5.8)	[6.4]	6.0	6.4	5.6	5.6		4.7	4.8	6.0	6.8	8.2	9.6	9.0	9.1	-	6.8	10.6	3.7	6.9	o,s,g,	29
30	10.6	10.6	10.8	11.2	9.0	7.7	7.3	7.6	7.6	6.9	6.8	6.9	6.4	6.5	5.6	5.0		4.2	3.7	3.2	4.1	4.6	4.8	5.0	5.3	6.7	6.7	13.4	3.1	10.3	c	30
31	5.8	6.4	6.5	6.2	5.6	4.9	[5.6]	[4.6]	5.0	6.0	5.2	4.1	4.5	4.0	3.7	4.4		4.4	2.9	2.3	2.3	2.7	2.9	3.6	3.5	-	4.5	11.5	2.0	9.5	o,s	31
A	6.0	6.2	6.8	5.9	5.5	4.6	4.0	4.2	4.3	4.3	4.6	4.5	4.5	4.4	4.4	4.4		3.8	3.0	3.1	3.5	3.9	4.3	4.6	4.2	4.4						
N	4.7	4.8	4.7	4.7	4.5	3.8	3.6	3.7	4.0	4.2	4.5	4.5	4.5	4.5	4.3	4.2		3.7	3.1	3.2	3.4	3.8	4.1	4.2	4.3	4.1						

Avril - April

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

× 10^{-15} $[\Omega^{-1}\ m^{-1}]$
× 10^{-15} $[\Omega^{-1}\ m^{-1}]$

1977
TMGr - GMT

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
1	3.5	3.7	4.3	4.1	4.1	4.6	5.0	5.3	5.2	3.8	3.3	2.7	3.0	3.3	[3.3]	2.9		2.7	2.5	2.5	2.6	3.3	3.5	3.5	3.6	-	3.6	5.8	2.1	3.7	c,s,r	1
2	3.6	3.7	4.0	4.1	4.4	4.4	4.3	4.5	4.9	4.4	4.5	4.1	4.5	5.2	5.0	4.6		3.7	2.9	2.9	2.4	3.2	3.2	2.7	2.4	-	3.9	5.6	1.9	3.7	o	2
3	2.0	1.6	1.4	1.7	2.0	1.8	2.2	2.9	3.0	3.5	[3.8]	4.4	5.2	4.6	4.6	4.2		4.8	2.5	3.4	4.3	5.2	4.8	5.6	6.2	-	3.6	10.5	1.2	9.3	c	3
4	5.6	3.6	3.5	3.9	4.6	4.8	5.4	4.8	4.2	4.8	4.3	4.2	3.9	3.5	3.8	3.9		4.1	5.4	6.4	6.2	7.0	6.0	5.0	4.1	-	4.7	8.7	2.7	6.0	o,r,wind	4
5	4.8	-	-	-	-	-	-	-	2.8	3.2	2.8	2.3	2.3	-	3.7	4.8		3.1	3.9	-	-	-	-	-	-	-	-	-	-	-	c,hf,r	5
6	-	-	-	-	-	-	-	-	3.0	3.1	3.5	3.8	3.9	3.7	3.9	4.0		3.1	3.3	3.3	3.3	2.9	3.5	3.1	3.3	-	-	-	-	-	c,r	6
7	3.7	3.9	4.3	4.0	4.3	3.7	3.7	3.5	3.3	3.3	3.2	3.4	3.6	4.2	3.1	2.2		2.7	2.9	3.1	2.0	1.1	1.6	1.7	1.6	-	3.1	5.0	0.9	4.1	c,r	7
8	1.7	2.1	2.1	1.7	1.4	0.8	1.4	2.4	2.7	[1.6]	2.3	2.0	2.4	2.6	3.0	3.0		3.5	3.3	3.0	2.9	3.3	4.0	4.4	4.2	-	2.6	5.4	0.4	5.0	o,d,r,s,m	8
9	[3.7]	[2.3]	3.1	2.5	3.1	3.3	4.4	3.9	3.5	3.1	2.7	2.9	3.1	2.9	2.9	2.0		2.2	2.6	2.7	4.0	3.5	4.1	3.5	4.2	-	3.2	5.4	0.9	4.5	o,r,s,d	9
10	4.1	3.9	[3.4]	3.1	3.5	3.2	3.7	6.2	7.2	8.9	9.1	7.7	8.8	8.1	7.3	7.3		8.2	8.2	8.2	8.7	9.8	8.4	7.9	8.4	-	6.8	10.7	2,5	8.2	o,r	10
11	8.8	8.8	9.4	8.8	9.0	7.9	7.1	6.2	5.5	5.6	5.2	4.6	4.1	4.2	3.8	3.3		2.9	2.7	2.3	2.5	2.2	1.8	1.9	1.5	-	5.0	9.8	1.3	8.5	o,s,r	11
12	1.4	1.3	1.5	1.9	1.6	1.4	2.3	2.7	3.3	3.8	3.7	4.1	3.7	3.5	3.8	4.4		4.4	4.4	3.5	2.7	2.8	3.2	3.1	2.9	-	3.0	5.6	1.0	4.6	o,hf	12
13	2.7	3.1	2.8	2.7	2.3	2.4	2.7	3.5	4.0	4.0	4.0	3.7	3.4	3.5	4.1	4.6		3.1	3.4	3.5	2.8	2.9	3.1	3.3	3.0	-	3.3	5.2	1.9	3.3	c,r	13
14	2.7	2.7	2.9	2.8	4.8	3.8	4.6	5.2	4.8	5.0	4.4	4.8	5.2	5.0	5.3	5.0		5.8	6.8	5.2	2.9	2.7	2.1	1.9	1.5	-	4.1	8.6	1.1	7.5	c,r	14
15	1.6	1.6	1.6	1.5	1.4	1.0	1.0	0.8	1.3	2.3	2.9	2.8	3.6	4.1	3.5	3.3		3.3	3.9	3.3	2.2	1.8	1.4	1.2	1.2	-	2.2	5.0	0.8	4.2	c,m	15
16	0.9	0.8	0.8	0.8	0.7	0.8	1.4	1.8	4.8	4.8	4.4	4.1	4.6	4.5	5.0	4.6		3.3	2.5	2.2	1.9	2.1	1.9	2.0	2.5	-	2.6	6.2	0.4	5.8	c,hf	16
17	[2.0]	1.6	1.2	1.2	[1.4]	2.3	3.7	5.4	6.0	5.8	4.5	4.4	4.4	4.6	4.8	4.8		6.6	[8.2]	2.3	1.6	1.4	0.9	1.0	1.7	-	3.4	14.7	0.8	13.9	c,hf	17
18	4.1	4.4	4.6	4.4	4.4	3.1	3.7	4.1	3.3	3.1	2.5	-	3.7	4.3	3.9	4.0		4.1	4.6	5.0	5.4	4.1	3.9	4.8	4.6	-	-	-	-	-	c,hf	18
19	4.1	5.0	4.1	3.9	3.1	3.4	3.3	3.5	5.4	5.4	4.5	4.8	3.5	4.2	4.8	5.2		5.6	5.2	4.8	3.7	4.3	3.5	3.1	1.9	-	4.2	7.0	1.8	5.2	c,hf	19
20	1.6	1.4	1.2	1.6	1.8	1.8	1.6	1.8	2.7	3.1	3.2	3.1	3.3	3.5	3.1	3.5		3.9	4.8	3.3	2.5	3.1	4.3	3.3	2.9	-	2.8	6.0	1.0	5.0	c,hf	20
21	2.8	3.1	4.4	3.7	3.3	3.1	2.7	2.5	2.4	2.1	2.3	2.2	2.1	2.0	2.3	2.5		2.2	2.3	2.2	[2.5]	2.3	1.9	1.9	2.0	-	2.5	5.3	1.8	3.5	c,r	21
22	1.9	2.0	2.1	2.3	2.2	2.5	2.7	2.8	3.3	3.6	3.3	3.2	3.4	3.2	3.3	4.1		3.9	3.7	-	3.3	5.3	4.8	4.4	4.1	-	-	-	-	-	o,r	22
23	3.6	3.8	3.9	3.7	3.1	3.5	3.3	2.8	2.8	3.3	3.6	3.6	3.4	3.8	3.8	4.2		-	1.7	1.0	1.7	1.7	2.2	2.3	2.9	-	-	-	-	-	o,r,f	23
24	3.5	4.0	6.4	9.8	8.7	7.5	6.9	4.8	5.6	6.0	5.1	4.8	4.1	3.8	4.4	-		[6.0]	7.4	5.1	5.6	4.8	5.0	[5.6]	5.6	-	-	-	-	-	c,r	24
25	5.2	5.0	5.0	5.2	4.8	3.7	3.5	4.6	5.4	4.6	4.4	5.2	6.7	4.9	6.2	5.2		4.6	4.6	3.6	4.5	4.4	3.0	3.2	3.7	-	4.6	11.1	2.8	8.3	o,r	25
26	3.9	2.5	2.9	2.6	2.0	2.5	2.3	3.5	4.1	4.1	4.1	4.0	3.9	4.2	4.0	4.1		5.0	5.5	2.5	1.6	2.0	3.9	4.8	4.5	-	3.5	9.0	1.5	7.5	c	26
27	3.9	5.0	5.2	4.5	4.6	4.0	3.7	3.5	3.2	3.1	2.9	2.7	2.8	3.1	3.3	3.3		3.7	2.6	2.3	2.1	2.4	4.4	5.4	4.2	-	3.6	5.9	1.8	4.1	c,r	27
28	2.7	2.9	2.0	1.7	1.5	2.1	2.3	2.5	3.0	3.1	3.2	3.3	4.0	4.4	4.2	5.2		5.6	5.4	2.3	1.5	1.8	3.7	4.1	3.8	-	3.2	8.5	1.3	7.2	c,r,f	28
29	3.5	3.7	3.7	3.5	3.1	3.0	3.5	3.4	3.7	3.6	3.6	3.6	3.5	3.8	3.8	3.7		3.1	2.4	2.0	3.3	3.7	4.3	4.5	4.1	-	3.5	4.8	1.7	3.1	o,r	29
30	4.1	4.2	4.1	3.7	-	-	3.8	3.9	3.4	2.9	2.5	3.3	4.3	4.1	3.3	3.9		4.8	5.2	4.5	5.4	5.7	5.4	4.4	4.9	-	-	-	-	-	c	30
A	3.2	3.5	3.6	3.3	3.0	2.5	2.9	3.2	3.5	3.2	3.1	3.3	3.4	4.0	4.2	4.3		4.7	4.5	2.9	2.9	3.1	3.4	3.2	3.3	3.4						
N	3.4	3.3	3.4	3.4	3.4	3.2	3.4	3.7	3.9	4.0	3.8	3.8	3.9	4.0	4.0	4.1		4.1	4.2	3.4	3.3	3.5	3.6	3.6	3.5	3.7						

Mai - May

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	5.0	5.2	4.8	4.7	4.6	4.4	4.6	4.4	4.3	3.7	3.1	2.9	4.6	6.2	7.7	8.3	
2	6.6	7.5	8.5	6.2	4.1	6.3	6.1	5.6	5.1	5.0	7.0	6.0	4.2	5.4	4.6	4.6	
3	4.0	4.6	4.3	4.4	4.5	4.5	4.2	3.9	3.5	3.5	4.1	5.0	4.2	3.9	5.2	5.1	
4	7.2	7.1	7.3	6.8	5.8	5.1	5.0	5.0	5.4	5.1	4.3	3.9	4.2	4.4	4.8	4.8	
5	4.6	4.4	4.1	3.9	3.9	4.1	4.4	4.6	4.4	[4.2]	3.9	3.5	3.5	3.5	3.3	3.5	
6	5.8	5.7	6.2	5.2	4.2	4.6	4.4	3.9	3.5	3.0	2.7	2.5	2.8	3.7	3.5	3.7	
7	3.1	3.9	3.7	2.7	2.6	2.9	3.7	4.3	4.4	4.3	4.5	4.3	4.8	4.8	4.6	5.0	
8	5.4	5.2	4.7	5.0	5.0	5.0	5.6	5.9	5.6	5.6	5.4	5.2	5.6	5.4	6.0	6.0	
9	3.4	3.8	3.3	3.5	3.3	3.7	4.6	6.8	7.7	8.1	7.7	7.2	7.0	7.0	8.1	8.3	
10	2.1	2.0	2.3	2.8	3.4	6.6	8.5	8.7	8.6	7.1	5.6	5.8	7.3	6.4	6.6	6.8	
11	2.6	3.2	3.5	3.1	3.6	3.8	5.0	5.4	5.4	4.7	4.1	3.4	4.1	3.7	3.7	4.2	
12	-	[2.3]	2.1	2.0	1.8	3.3	3.7	3.9	3.9	3.5	3.1	3.3	3.6	-	3.3	3.7	
13	6.0	5.7	5.2	5.0	5.2	4.6	4.6	4.4	3.8	3.3	2.9	3.3	4.2	5.0	4.4	4.6	
14	4.4	4.4	3.5	3.4	2.9	3.1	1.6	1.9	3.9	4.7	4.4	3.5	3.7	-	-	-	
15	3.8	3.1	2.8	3.7	3.9	5.4	5.6	5.0	4.4	4.7	4.3	3.3	3.1	3.9	4.2	5.6	
16	5.0	5.0	4.5	3.5	3.8	2.7	2.7	-	-	2.0	3.7	4.4	4.4	4.0	3.9	3.3	
17	3.0	2.6	2.7	4.4	4.4	-	-	3.5	3.6	3.7	3.5	3.2	3.4	2.9	2.2	3.0	
18	3.9	5.3	6.5	6.5	4.5	4.8	2.7	3.1	2.6	2.5	3.1	3.1	2.9	3.1	2.5	3.3	
19	1.6	1.7	2.0	1.6	1.6	2.3	4.6	5.2	4.1	3.9	3.4	3.0	2.7	3.4	4.2	5.4	
20	5.8	6.7	6.0	3.3	3.7	2.8	3.2	3.7	-	4.2	3.9	3.1	2.9	3.1	2.7	3.0	
21	5.4	5.0	4.8	4.5	4.6	3.4	3.3	4.5	4.1	3.7	3.9	4.1	4.1	6.0	6.2	4.4	
22	9.0	10.4	13.6	>13.6	10.9	9.4	8.3	8.3	8.1	7.3	7.3	7.3	6.9	7.5	7.0	5.6	
23	3.7	2.7	2.6	2.0	2.3	2.0	-	2.3	3.7	2.9	3.9	5.3	5.8	6.7	7.0	4.6	
24	1.8	2.2	2.4	2.4	2.7	3.2	3.7	4.1	3.8	4.1	2.6	3.8	4.4	3.5	3.5	3.7	
25	4.4	7.7	7.9	7.0	5.6	5.6	5.6	6.4	6.2	7.4	7.3	7.6	6.9	6.4	6.4	6.2	
26	8.2	7.3	6.1	3.5	4.0	5.2	5.3	6.4	7.0	6.8	6.2	7.6	7.4	6.7	6.4	6.2	
27	3.2	2.4	2.3	2.5	4.1	4.6	4.1	3.3	2.9	4.3	5.2	5.3	5.4	4.8	5.2	4.6	
28	3.2	2.9	[2.4]	[1.8]	1.7	2.4	3.2	3.3	3.1	3.4	3.3	3.0	3.3	3.4	3.7	4.2	
29	4.3	4.2	4.0	3.9	4.6	4.6	4.1	3.9	3.5	3.0	3.4	3.1	3.2	3.3	3.3	3.6	
30	-	-	-	-	-	-	-	4.8	4.6	6.2	6.7	7.5	7.9	7.0	6.6	8.1	
31	8.7	9.2	8.1	8.0	7.9	7.0	5.9	5.6	6.6	6.7	7.6	8.2	5.6	6.5	6.3	6.2	
A	5.2	5.2	5.2	4.6	4.4	4.6	4.5	4.4	4.3	4.0	3.9	4.0	4.7	4.9	5.1	5.2	
N	4.7	4.8	4.7	>4.4	4.2	4.4	4.6	4.7	4.8	4.6	4.6	4.6	4.6	4.9	4.9	5.0	

$\times 10^{-15}$ $[\Omega^{-1}\ m^{-1}]$
$\times 10^{-15}$ $[\Omega^{-1}\ m^{-1}]$

1977
TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L' indication du temps Type of weather	Date
7.9	4.4	6.4	5.1	6.8	6.9	6.4	6.0	5.4	5.4	12.3	2.3	10.0	c	1
5.8	5.4	4.0	3.1	3.5	3.6	3.5	3.5	-	5.2	12.3	2.7	9.6	c,l	2
5.2	3.7	2.9	2.3	2.9	3.3	5.0	6.6	-	4.2	10.8	1.9	8.9	c,l	3
5.4	5.9	5.6	6.2	[5.8]	5.3	4.5	3.9	-	5.4	9.2	2.8	6.4	c	4
3.8	4.6	4.6	4.8	5.0	5.0	5.4	5.8	-	4.3	6.6	3.1	3.5	c	5
3.5	3.9	>7.0	7.0	5.0	3.1	3.3	3.3	-	>4.2	>12.4	2.4	>10.0	c,l,r,z	6
4.8	4.1	3.9	3.9	3.9	4.2	4.4	4.2	-	4.0	5.7	2.3	3.4	o	7
5.6	7.3	7.0	5.2	4.6	3.4	3.5	3.6	-	5.3	8.1	2.4	5.7	o,r	8
7.3	5.3	4.7	2.9	2.9	1.8	1.8	2.3	-	5.1	9.2	1.5	7.7	o	9
6.9	7.0	6.0	3.4	2.7	2.8	2.5	2.2	-	5.2	9.4	1.6	7.8	c	10
5.0	5.4	5.0	-	-	-	-	-	-	-	-	-	-	c,r,l	11
4.1	4.5	5.0	5.3	5.8	5.6	5.8	6.0	-	-	-	-	-	c	12
5.0	4.8	5.5	4.2	4.8	5.0	4.3	4.3	-	4.6	7.7	2.6	5.1	c,r	13
-	-	-	3.7	4.1	5.3	5.2	4.1	-	-	-	-	-	o,r,l	14
5.9	5.4	4.3	4.6	5.6	5.2	5.3	4.8	-	4.5	7.4	1.9	5.5	o,r	15
3.6	2.8	[1.9]	3.4	3.1	2.5	2.8	2.3	-	-	-	-	-	o,r,d,m	16
3.2	3.0	2.9	3.6	4.6	5.6	5.5	5.4	-	-	-	-	-	o,d	17
3.5	3.5	2.3	2.4	2.1	[2.2]	2.5	2.3	-	3.4	8.7	1.3	7.4	o,d	18
5.4	5.8	3.5	2.7	3.8	4.9	5.2	5.6	-	3.6	10.9	1.4	9.5	o,d	19
3.2	3.0	3.9	4.4	4.5	4.6	5.2	5.5	-	-	-	-	-	c,r,d,wind	20
4.8	6.0	5.8	5.4	5.4	6.4	6.3	9.0	-	5.0	10.6	1.4	9.2	o,r,d,wind	21
4.0	3.3	3.6	4.5	2.9	1.8	2.5	4.6	-	>7.0	>14.7	1.6	>13.1	o,d,r	22
5.8	4.1	2.6	1.9	[1.6]	1.4	1.6	1.6	-	-	-	-	-	o,r	23
3.5	5.6	5.4	4.1	3.7	3.6	3.5	3.9	-	3.6	6.6	1.6	5.0	c,r	24
6.6	6.0	5.3	4.8	5.0	5.0	5.6	6.6	-	6.2	12.6	3.2	9.4	c,r	25
5.0	5.0	4.2	4.2	3.3	2.5	3.7	3.9	-	5.5	9.5	2.3	7.2	c,r,s	26
4.4	4.4	4.2	3.7	3.8	3.5	4.4	4.2	-	4.0	6.2	2.0	4.2	c	27
4.8	5.4	5.7	3.6	2.3	1.9	3.1	3.4	3.3	3.3	7.7	1.5	6.2	b	28
4.1	4.4	4.9	5.2	3.9	-	-	-	-	-	-	-	-	c	29
8.9	9.4	9.4	6.4	4.7	4.8	4.9	6.6	-	-	-	-	-	c,r	30
6.4	6.4	4.6	4.4	5.6	6.8	6.2	9.0	-	6.8	13.1	2.4	10.7	c,r	31
5.7	5.5	5.2	4.4	4.3	4.4	4.7	5.1	4.7						
5.1	5.0	>4.7	4.2	4.1	4.1	4.3	4.6	4.6						

Juin - June

CONDUCTIBILITÉ D'AIR (POSITIVE, AIR CONDUCTIVITY (POSITIVE)

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	7.7	7.0	6.7	7.1	5.6	5.8	4.1	3.2	3.7	4.4	4.5	4.4	4.6	5.0	7.0	5.8	
2	3.7	3.7	4.1	3.5	2.9	2.7	3.0	4.8	6.3	4.0	3.9	3.8	3.9	3.9	4.1	4.8	
3	[1.2]	-	1.7	1.7	2.1	3.9	5.0	5.4	4.9	4.2	4.4	3.8	4.8	6.6	6.1	6.0	
4	4.0	4.8	5.4	4.1	3.7	3.9	4.4	4.0	3.4	3.5	3.4	3.5	4.8	4.1	4.2	6.1	
5	5.7	4.8	5.2	4.4	3.9	5.0	4.5	4.1	[5.2]	5.0	4.1	3.1	4.8	4.8	4.8	5.2	
6	4.6	4.4	4.5	4.4	3.8	3.9	4.4	4.4	4.6	4.4	4.6	4.6	3.9	4.0	4.6	[3.9]	
7	2.9	3.5	4.1	3.5	3.5	4.2	4.8	4.4	4.4	4.4	4.6	4.4	4.2	3.5	3.9	4.1	
8	5.9	5.4	>6.0	5.0	5.0	4.8	4.6	4.6	5.2	5.1	4.8	4.8	4.8	4.8	4.1	4.0	
9	3.3	3.0	3.3	3.5	4.1	4.8	4.6	4.7	4.8	4.8	5.6	5.8	6.2	6.0	6.2	6.2	
10	4.4	4.1	4.1	4.6	5.0	4.5	5.3	5.4	5.8	5.8	6.0	5.9	5.8	6.0	6.4	6.7	
11	5.2	3.9	2.8	2.9	4.6	5.2	5.3	5.2	6.2	6.7	6.6	6.5	7.1	7.2	7.7	7.7	
12	-	-	-	-	-	-	7.2	6.4	6.2	6.1	6.3	7.1	7.0	7.7	7.7	8.3	
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	8.3	6.6	6.0	6.1	4.8	4.4	5.6	6.2	8.5	
15	7.5	7.9	6.4	5.8	5.4	4.8	5.2	4.6	2.8	[3.7]	5.2	6.4	4.6	7.0	6.8	7.0	
16	3.5	3.7	2.8	2.7	3.9	5.0	4.8	4.0	4.1	4.6	4.4	5.0	5.2	5.0	4.8	5.4	
17	3.3	3.4	3.0	2.9	3.3	3.7	3.1	2.5	2.8	3.5	3.8	-	3.3	3.2	3.8	4.0	
18	2.0	1.8	2.4	3.3	3.6	3.0	3.6	3.7	(3.6)	4.1	4.6	4.9	5.0	5.2	4.8	5.0	
19	-	3.4	3.7	3.7	5.0	-	7.3	7.8	7.3	8.4	8.3	8.3	7.9	10.0	9.2	5.4	
20	4.6	4.8	3.9	4.5	4.4	4.4	4.8	4.6	5.4	5.6	6.0	5.4	6.5	5.9	5.9	7.5	
21	5.0	5.4	5.9	6.0	6.7	6.6	6.2	7.9	(5.0)	4.2	3.8	3.9	3.5	3.5	5.0	5.2	
22	5.0	5.4	5.6	6.3	5.6	5.9	6.6	6.4	5.6	5.7	6.1	6.1	5.4	6.2	7.3	7.7	
23	7.7	>8.5	6.3	6.0	5.6	5.2	4.6	4.8	5.0	6.5	7.3	6.8	7.5	8.0	7.8	7.5	
24	-	-	-	-	-	-	[5.4]	4.8	5.2	4.6	3.5	-	3.9	4.6	5.0	5.0	
25	6.8	6.6	6.5	6.0	5.2	5.4	5.4	5.0	4.5	4.0	3.8	3.4	2.9	3.2	3.4	3.2	
26	2.6	2.6	2.8	3.2	3.5	3.5	3.6	3.6	3.8	3.9	3.7	3.9	3.9	2.7	4.6	4.8	
27	5.0	5.2	5.0	4.1	4.7	4.8	3.7	4.1	4.8	[5.0]	4.8	4.6	5.0	5.0	5.4	5.2	
28	5.6	5.6	6.2	5.2	5.8	5.2	4.6	3.8	4.0	3.8	4.4	5.2	4.0	5.4	5.2	5.5	
29	6.0	5.4	4.7	5.0	4.8	4.8	5.0	5.0	5.2	4.2	4.6	4.2	4.4	4.6	4.8	5.3	
30	5.8	5.8	5.8	5.4	5.0	4.8	-	4.1	3.9	3.3	3.2	3.5	4.1	4.5	>5.5	-	
A	5 2	4.9	4.5	4.5	4.7	4.8	5.2	4.9	5.1	5.3	5.3	5.5	5.0	5.3	5.5	5.5	
N	4 8	>4.8	>4.6	4.4	4.5	4.6	4.9	4.9	4.8	4.8	4.9	5.0	4.9	5.3	>5.6	5.8	

1977

x 10^{-15} [Ω^{-1} m^{-1}]
x 10^{-15} [Ω^{-1} m^{-1}]

TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
5.8	7.5	6.2	5.0	4.0	3.1	3.1	3.3	-	5.2	10.2	2.5	7.7	c,r	1
5.2	6.8	3.6	3.1	1.6	1.4	1.5	1.4	-	3.7	10.7	1.2	9.5	o,r	2
6.7	9.1	8.1	4.8	2.7	3.0	4.6	3.3	-	-	-	-	-	c	3
6.7	5.0	3.8	4.3	4.5	4.5	4.4	4.0	-	4.4	7.5	2.3	5.2	o,r	4
5.6	6.8	-	3.5	4.1	6.4	6.2	4.8	-	-	-	-	-	c,r	5
3.0	1.9	2.2	2.3	2.4	2.8	[2.5]	2.8	-	3.7	6.0	1.5	4.5	o,r,m	6
4.2	4.6	3.5	3.2	3.5	5.5	6.5	6.2	-	4.2	8.6	2.7	5.9	c,r	7
5.0	5.4	3.9	2.8	(2.7)	2.7	3.0	3.0	-	>4.5	>14.7	2.3	>12.4	c,t,r	8
6.6	7.7	5.6	4.4	3.6	4.8	5.4	5.0	5.0	5.0	9.0	2.6	6.4	b	9
6.7	6.6	5.6	4.1	3.9	4.4	5.6	6.6	5.4	5.4	7.7	3.3	4.4	b	10
7.7	>8.7	5.6	7.7	5.8	5.8	7.4	5.5	>6.0	>6.0	>14.7	1.8	>12.9	b	11
7.9	6.4	-	6.3	5.9	5.5	3.8	-	-	-	-	-	-	c,r,l	12
-	-	-	-	-	-	-	-	-	-	-	-	-	c	13
6.6	7.4	7.3	5.6	5.8	5.2	5.8	7.3	-	-	-	-	-	c,r,l	14
-	-	-	2.6	2.7	3.4	3.5	3.5	-	-	-	-	-	o,l,t,r,m	15
5.9	7.4	6.5	4.8	4.4	3.9	3.5	3.8	-	4.5	8.6	2.3	6.3	c,f	16
3.8	3.7	3.8	3.5	3.1	3.0	2.5	2.1	-	-	-	-	-	c	17
4.9	5.4	6.4	5.8	6.0	5.9	4.8	[3.1]	-	4.3	10.2	1.5	8.7	c,m	18
7.5	6.8	6.0	5.8	6.5	5.8	6.4	5.6	-	-	-	-	-	c,r,l	19
6.4	3.3	3.0	3.1	3.1	3.7	5.0	4.8	-	4.9	12.6	2.5	10.1	o,r,t,m	20
5.1	5.8	7.0	6.2	4.8	4.7	5.0	5.3	-	5.3	8.7	3.2	5.5	c	21
8.3	9.2	10.0	6.2	3.5	3.4	4.2	7.1	-	6.2	13.3	2.9	10.4	c	22
7.5	7.7	8.3	8.1	5.2	-	-	-	-	-	-	-	-	c	23
5.4	6.5	7.5	4.8	4.0	4.8	6.2	7.7	-	-	-	-	-	b	24
3.4	3.9	3.9	3.3	2.5	1.9	2.2	2.5	-	4.1	7.7	1.6	6.1	c	25
4.1	5.0	5.3	6.1	6.3	6.8	5.8	5.8	-	4.2	13.1	1.6	11.5	c,l,r	26
6.4	6.5	6.6	7.9	9.0	7.7	6.6	7.1	-	5.6	11.1	3.5	7.6	c,r	27
6.2	6.7	[7.0]	4.8	3.1	3.5	4.8	5.7	-	5.1	12.9	2.8	10.1	c	28
5.4	6.2	5.2	4.4	4.3	4.9	5.6	5.6	5.0	5.0	8.1	3.4	4.7	c	29
6.2	6.8	5.2	-	6.4	6.9	5.3	3.9	-	-	-	-	-	c,l,r	30
5.8	>6.6	6.1	5.1	4.6	4.8	5.2	5.2	5.2						
5.9	>6.2	5.7	4.8	4.3	4.5	4.7	4.7	5.0						

Juillet - July

CONDUCTIBILITE D'AIR (POSITIVE)
'AIR CONDUCTIVITY (POSITIVE)

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	5.5	6.8	9.9	9.4	8.1	8.5	6.7	6.8	6.9	6.7	4.8	3.9	5.4	5.1	4.6	4.8	
2	3.3	3.9	4.4	5.1	4.9	4.1	3.9	3.5	3.5	3.7	5.0	5.0	4.9	4.4	3.7	3.8	
3	4.5	4.8	4.6	5.7	6.0	5.6	5.6	5.8	6.0	6.0	6.4	5.9	5.0	6.4	7.0	8.1	
4	6.4	7.3	7.2	7.9	7.1	6.0	5.0	5.6	5.8	6.6	6.4	6.9	5.7	6.4	6.6	6.6	
5	8.4	6.8	6.7	6.8	5.8	5.2	6.2	7.5	8.2	8.9	10.0	10.2	10.1	9.6	8.7	7.6	
6	5.0	6.0	5.7	4.6	3.1	3.1	4.8	5.5	6.8	6.0	5.3	5.7	>6.7	>5.2	5.4	3.8	
7	3.7	9.4	7.4	6.9	6.1	6.5	7.5	6.8	7.4	7.0	6.5	8.3	8.0	7.2	9.4	7.9	
8	4.6	5.4	5.4	4.8	5.2	6.0	6.0	6.8	7.3	6.3	7.3	7.5	7.4	7.5	8.3	6.8	
9	3.0	-	3.8	4.2	3.0	6.1	6.0	4.8	5.0	5.2	5.0	4.8	4.9	4.6	5.0	4.7	
10	3.7	3.3	3.1	3.8	4.6	5.6	5.8	5.8	6.4	6.6	5.8	5.5	6.2	6.8	9.0	8.8	
11	6.4	4.9	5.2	5.4	5.6	6.0	5.7	5.9	7.5	6.4	6.4	7.4	7.4	6.5	6.0	5.7	
12	9.8	9.4	8.1	7.3	5.8	6.4	6.0	5.4	6.5	7.1	7.2	6.3	7.1	7.0	6.8	6.8	
13	2.9	3.7	4.2	4.2	4.7	5.4	5.6	5.8	5.0	3.5	3.8	3.3	3.2	3.3	3.4	3.5	
14	4.1	6.7	4.2	3.9	5.1	4.7	5.0	5.7	5.2	6.7	4.8	4.3	4.4	4.4	4.2	5.2	
15	6.6	6.4	6.2	5.6	5.2	7.2	6.7	7.0	6.3	5.6	5.0	6.0	6.0	5.1	5.2	6.6	
16	6.4	6.7	6.2	5.3	6.0	5.8	5.4	6.0	4.6	4.1	4.4	3.9	4.6	5.5	5.2	5.4	
17	4.1	3.9	3.6	3.7	3.6	3.9	4.2	4.9	5.0	[4.7]	3.5	3.7	[5.6]	[5.4]	4.5	3.8	
18	4.3	4.4	3.8	3.1	3.7	4.1	4.6	4.6	4.7	4.8	5.1	5.0	[5.6]	5.2	5.7	5.4	
19	5.4	5.4	5.6	5.4	5.0	4.8	5.4	5.5	5.3	5.6	6.2	6.7	6.7	6.4	6.0	6.9	
20	4.0	3.3	2.9	3.3	3.9	4.0	4.5	4.9	4.8	4.8	4.8	5.4	5.6	5.3	5.4	5.3	
21	6.1	5.8	5.4	5.2	4.6	4.8	4.6	4.1	4.7	5.1	4.7	5.0	4.6	4.4	4.6	5.2	
22	2.1	2.7	2.7	2.9	3.5	4.1	4.4	3.7	4.6	5.4	5.2	5.8	6.4	6.6	7.2	[7.4]	
23	[3.9]	3.9	4.0	4.8	5.8	7.0	6.4	[5.9]	5.7	5.7	4.6	3.7	3.5	3.7	4.4	3.9	
24	2.3	[2.4]	2.4	2.3	2.5	3.0	3.6	3.9	4.1	4.3	3.9	3.5	3.5	3.7	3.9	4.3	
25	8.8	6.4	10.0	7.4	6.8	7.7	8.1	7.7	7.0	5.5	5.7	4.8	4.1	4.6	5.2	5.8	
26	5.6	5.9	5.6	4.8	5.0	5.0	6.6	8.5	9.0	7.3	6.0	5.0	5.2	7.3	7.8	10.2	
27	5.0	4.7	4.0	[3.6]	[2.9]	3.6	5.4	5.4	-	5.7	5.6	5.6	5.2	6.5	>7.8	5.3	
28	3.0	2.9	2.8	2.8	2.9	3.7	3.5	3.6	3.9	3.9	4.1	4.0	4.6	4.5	5.3	5.8	
29	3.9	3.8	3.5	4.6	6.8	9.0	7.2	6.6	5.9	5.6	5.4	6.2	6.2	6.0	6.4	6.6	
30	-	-	4.1	6.0	6.6	6.4	6.8	8.4	8.5	7.7	5.7	5.2	5.7	4.6	4.3	5.2	
31	8.0	8.5	[9.3]	9.0	8.6	8.5	9.0	8.3	7.3	8.1	7.3	7.0	6.7	7.6	8.1	8.1	
A	5.2	5.2	5.2	5.3	5.5	6.0	5.9	5.8	6.0	5.6	5.4	5.1	5.2	5.2	5.5	5.7	
N	5.0	5.4	5.2	5.2	5.1	5.5	5.7	5.8	6.0	5.8	5.5	5.5	>5.7	>5.7	>6.0	6.0	

$\times 10^{-15}$ [Ω^{-1} m^{-1}]
$\times 10^{-15}$ [Ω^{-1} m^{-1}]

1977
TMGr-GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
6.2	7.0	6.4	5.2	4.4	3.7	2.5	2.8	-	5.9	11.1	2.4	8.7	c,r	1
4.1	6.2	6.8	6.4	[5.7]	4.7	4.3	4.4	-	4.6	7.9	2.5	5.4	c,r	2
8.1	7.8	8.7	8.1	8.2	10.2	7.3	5.9	-	6.6	12.5	4.3	8.2	c,r	3
5.4	[6.2]	6.4	8.9	10.4	9.7	9.2	8.3	-	7.0	10.9	4.6	6.3	o,r	4
6.9	8.5	10.6	4.7	4.6	4.0	4.1	4.8	-	7.3	13.3	3.3	10.0	c,d,r	5
6.8	5.6	9.0	[3.6]	[3.1]	4.6	4.6	3.3	-	>5.1	>14.7	2.2	>12.5	o,r,l	6
8.2	9.6	6.9	4.2	2.7	2.0	3.3	4.8	-	6.6	12.3	1.7	10.6	c,r,m	7
6.4	6.3	3.2	2.2	2.3	2.5	2.8	2.8	-	5.5	10.2	1.4	8.8	c,d,r,l	8
4.4	4.0	-	-	-	3.6	2.7	3.9	-	-	-	-	-	o,r,l,t	9
11.3	10.2	9.0	7.6	8.7	7.3	6.8	5.8	-	6.6	11.5	2.9	8.6	o,d,r	10
6.4	7.1	7.5	7.6	8.1	9.0	9.4	10.4	-	6.8	11.5	4.3	7.2	o,r	11
7.0	7.0	6.6	5.0	4.0	4.1	3.9	3.5	6.4	6.4	11.4	3.1	8.3	b	12
4.0	4.3	3.9	3.7	3.1	3.3	4.2	4.1	-	4.0	6.0	2.9	3.1	c	13
6.2	6.6	5.8	6.4	5.0	6.0	6.4	6.8	-	5.3	12.6	1.0	11.6	o,r	14
5.6	6.2	7.7	[8.1]	[6.0]	5.1	5.8	6.0	-	6.1	9.3	4.4	4.9	c,r	15
4.8	4.4	6.0	[7.1]	6.6	5.6	4.7	3.4	-	5.3	8.7	2.8	5.9	c,r	16
4.9	5.9	7.5	6.8	5.0	[5.8]	5.4	4.5	-	4.7	10.6	3.0	7.6	o	17
5.0	5.3	4.3	4.1	4.4	5.0	5.8	5.6	-	4.7	9.1	2.9	6.2	o,r	18
6.5	6.2	6.6	4.8	3.1	3.2	3.5	3.5	-	5.4	9.9	2.7	7.2	c,r	19
5.6	6.4	4.8	3.1	2.7	3.6	5.2	5.4	-	4.5	6.7	2.6	4.1	c	20
-	5.4	4.1	4.8	4.4	3.8	2.6	1.8	-	-	-	-	-	c,r	21
6.0	5.5	6.6	5.3	4.3	3.3	2.9	3.5	-	4.7	7.8	1.8	6.0	c	22
[4.2]	3.7	3.7	3.3	3.1	2.5	2.9	2.1	-	4.3	7.5	1.7	5.8	o,r	23
4.6	4.8	5.4	5.6	4.6	7.3	8.3	7.8	-	4.2	9.5	2.0	7.5	o,f,m,r	24
5.5	5.6	6.0	5.4	5.4	5.6	5.8	6.2	6.3	6.3	13.2	3.8	9.4	b	25
7.0	6.2	5.2	5.2	6.4	6.4	6.2	5.6	-	6.4	11.6	4.6	7.0	o,r	26
5.6	5.0	4.3	3.8	3.0	3.1	2.8	2.6	-	-	-	-	-	c,r,f,m	27
6.6	7.5	5.8	4.6	4.4	4.8	5.0	5.0	4.4	4.4	9.4	2.5	6.9	b	28
7.5	7.1	6.6	4.8	5.0	6.6	-	-	-	-	-	-	-	c	29
6.8	10.4	7.0	5.0	3.9	3.7	5.2	7.7	-	-	-	-	-	c	30
7.9	7.8	8.1	7.3	8.8	8.6	6.8	7.2	-	8.0	10.7	5.8	4.9	c,r	31
5.8	6.3	6.2	5.6	5.0	5.1	5.1	5.3	5.5						
6.2	6.4	6.4	5.4	5.0	5.1	5.0	5.0	5.6						

Août - August

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

× 10^{-15} [Ω^{-1} m^{-1}]
× 10^{-15} [Ω^{-1} m^{-1}]

1977
TMGr - GMT

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	8.0	>9.0	8.5	9.2	[6.1]	-	-	[4.8]	5.0	5.0	5.1	5.8	5.4	5.4	5.8	6.1	
2	4.4	4.1	4.2	4.6	5.0	5.6	7.5	6.3	6.4	6.0	6.4	6.0	7.3	7.7	7.0	4.1	
3	3.3	3.9	3.7	3.5	3.7	4.1	5.1	5.7	5.7	5.8	6.2	[6.2]	6.1	6.0	5.9	6.0	
4	4.1	4.1	5.0	6.4	5.9	5.8	5.9	5.4	5.0	6.2	9.1	8.7	7.0	6.4	5.7	5.2	
5	5.7	4.8	3.5	[2.9]	2.9	3.9	4.4	4.4	4.5	4.8	4.6	-	5.2	5.0	-	-	
6	2.4	2.6	3.1	3.3	3.4	3.5	3.5	3.3	3.4	3.7	3.6	4.1	4.4	4.2	3.9	4.2	
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	-	-	-	-	-	-	-	8.4	8.1	8.4	8.3	9.3	9.6	10.0	9.3	9.7	
9	4.0	4.8	4.7	5.3	5.2	5.2	5.0	7.0	7.8	7.3	[6.7]	-	-	-	5.4	5.2	
10	3.0	3.9	3.9	4.3	3.9	4.8	5.4	6.8	[7.3]	[6.9]	6.7	5.9	6.0	6.6	6.6	6.9	
11	4.3	6.8	7.6	5.3	4.2	4.1	5.0	4.9	4.8	4.4	4.5	4.4	4.3	4.5	6.7	5.9	
12	4.3	3.8	4.1	3.9	4.2	5.2	5.4	5.0	4.4	4.1	[4.0]	4.1	4.0	3.7	4.0	4.1	
13	2.7	3.1	3.1	3.6	3.9	3.8	-	5.8	7.5	7.8	7.9	7.8	5.6	4.8	6.3	-	
14	6.0	5.1	5.0	4.8	4.9	5.5	5.8	5.9	>5.0	>6.4	>11.0	9.7	9.0	-	-	-	
15	11.3	9.4	>12.0	>12.1	9.4	9.2	8.8	7.8	8.3	8.2	8.3	8.1	7.9	8.5	7.9	6.0	
16	7.7	(8.2)	7.5	8.9	10.8	8.7	6.7	5.6	5.2	5.6	5.6	6.0	[6.0]	-	6.2	5.0	
17	3.9	3.7	3.8	-	-	-	-	7.2	9.0	8.9	8.3	7.8	6.8	6.2	6.5	7.7	
18	3.1	3.3	3.9	3.0	3.9	4.1	[5.8]	7.5	8.3	8.5	8.5	8.9	8.7	8.3	6.7	6.2	
19	6.3	6.4	8.7	8.6	8.1	7.6	6.4	4.6	3.7	3.8	4.3	6.8	6.5	-	-	-	
20	-	-	-	5.2	4.8	5.6	6.9	7.0	6.2	6.4	-	5.7	6.7	7.4	7.7	6.4	
21	5.6	6.1	6.2	6.0	5.0	5.9	5.9	6.0	6.2	6.7	6.4	-	4.6	6.2	6.7	7.3	
22	7.4	7.4	7.1	8.5	9.0	9.3	8.7	8.5	9.3	10.8	-	-	-	-	-	-	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	3.7	3.5	4.8	6.2	6.6	-	-	4.6	[5.2]	-	5.8	6.8	6.9	6.2	8.0	7.0	
25	2.4	2.5	2.4	2.7	2.9	3.9	3.0	3.8	5.9	6.4	7.5	7.6	7.0	7.6	8.7	9.6	
26	2.2	2.5	2.6	2.6	2.3	4.6	4.9	6.4	6.8	7.4	7.3	6.1	4.6	4.6	5.1	6.2	
27	5.6	6.0	5.2	4.5	3.8	5.6	5.5	5.4	4.6	3.9	3.6	3.7	3.5	3.7	-	-	
28	4.4	3.9	3.1	3.1	4.3	4.6	3.8	3.9	3.5	4.8	4.6	4.0	4.1	6.1	7.2	6.7	
29	-	-	-	-	-	-	-	3.5	4.0	3.5	3.5	4.6	-	-	-	-	
30	-	-	-	-	-	-	-	[4.3]	4.2	3.5	4.5	3.4	2.8	[2.8]	3.2	4.2	
31	3.8	4.2	4.5	4.8	4.6	4.9	5.2	5.2	4.6	4.1	3.9	3.5	3.2	3.1	3.6	3.6	
A	3.9	4.1	4.1	4.1	4.1	4.9	5.1	5.7	5.9	5.8	5.7	5.8	5.5	5.5	6.0	6.2	
N	4.8	>4.9	>5.1	>5.3	5.2	5.5	5.7	5.7	>5.9	>6.0	>6.2	6.2	5.9	5.9	6.3	6.1	

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
6.2	5.4	5.2	4.2	6.5	-	7.4	5.5	-	-	-	-	-	o,r,d,m	1
5.4	3.8	2.8	3.4	2.9	2.3	2.7	3.5	-	5.0	9.0	2.0	7.0	o,r,l	2
5.7	5.5	5.8	4.8	4.4	4.5	3.5	4.2	-	5.0	6.6	2.9	3.7	o,f,m	3
5.4	5.4	4.8	4.6	5.0	5.7	5.8	5.9	-	5.8	11.6	3.7	7.9	o,r,d,l	4
4.1	4.1	2.7	[2.1]	[1.6]	1.6	1.5	1.9	-	-	-	-	-	c,r,m	5
4.0	3.7	2.9	2.4	2.2	3.5	-	-	-	-	-	-	-	c,m	6
-	-	-	-	-	-	-	-	-	-	-	-	-	c	7
>11.3	>11.4	6.2	4.6	3.5	3.1	3.8	4.1	-	-	-	-	-	b	8
5.6	6.4	4.4	4.0	3.5	3.7	3.2	2.6	-	-	-	-	-	c	9
3.9	-	-	[5.6]	5.0	4.3	3.8	3.8	-	-	-	-	-	o,r,l	10
4,6	3.9	2.9	2.9	2.8	3.3	4.0	5.0	-	4.6	9.5	2.5	7.0	c,r	11
4.0	3.9	2.7	2.7	2.3	2.6	3.0	2.9	-	3.8	11.0	1.8	9.2	c	12
6.2	5.4	4.1	4.1	5.0	5.0	5.0	5.2	-	-	-	-	-	c,l,r	13
-	-	-	7.8	9.3	8.3	10.2	>12.3	-	-	-	-	-	o,r,m,l	14
4.8	5.2	5.2	5.8	5.7	5.9	6.1	6.7	-	>7.9	>14.7	3.9	>10.8	o,r	15
-	4.8	3.5	3.4	3.0	3.1	3.7	3.9	-	-	-	-	-	o,r,d	16
9.2	6.8	3.5	2.3	2.3	2.2	2.5	2.8	-	-	-	-	-	c	17
6.7	6.0	[5.7]	6.4	6.7	6.4	6.2	6.5	-	6.2	10.2	2.2	8.0	c,r	18
-	-	-	-	-	-	-	-	-	-	-	-	-	o,r	19
6.7	4.5	-	1.7	1.6	2.0	2.7	4.2	-	-	-	-	-	c,r,m	20
6.4	7.6	7.1	8.2	9.0	9.0	8.6	8.0	-	-	-	-	-	o,r	21
-	-	-	-	-	-	-	-	-	-	-	-	-	o,r	22
-	6.6	4.5	3.3	2.6	3.0	3.4	3.5	-	-	-	-	-	o,d,r	23
4.8	3.2	2.6	3.9	3.0	2.1	2.2	2.3	-	-	-	-	-	c,m	24
9.6	4.8	2.3	1.8	1.7	2.0	1.9	2.1	-	4.6	11.3	1.4	9.9	c,m	25
7.0	5.2	[4.0]	4.8	4.9	5.3	5.2	4.5	4.9	4.9	8.2	1.8	6.4	c	26
-	-	-	3.1	3.9	3.9	4.0	4.0	-	-	-	-	-	c	27
7.2	4.4	-	-	-	-	-	-	-	-	-	-	-	c,r,m	26
-	-	-	-	-	-	-	-	-	-	-	-	-	c,f,m	29
4.3	3.5	2.9	3.2	2.8	2.8	3.1	3.5	-	-	-	-	-	b,f,m	30
2.5	1.7	2.4	4.6	5.5	5.9	6.2	5.7	4.2	4.2	6.7	1.1	5.6	b	31
>6.3	>5.3	3.8	3.4	3.3	3.4	3.7	3.7	4.9						
>5.9	>5.1	4.0	4.1	4.1	4.1	4.4	>4.6	5.3						

Septembre - September

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	4.9	4.8	4.9	4.2	4.1	4.6	4.9	5.2	-	-	-	-	[2.0]	2.0	2.0	2.8	
2	5.2	5.2	3.9	2.2	3.8	4.1	4.5	4.5	4.2	-	3.5	3.5	3.1	2.8	2.8	3.1	
3	1.1	1.0	0.8	1.0	1.1	3.8	-	-	4.8	3.6	3.2	3.8	4.1	4.2	4.1	4.1	
4	4.8	4.6	4.9	4.1	2.5	3.8	3.8	4.1	4.3	4.2	4.3	4.6	4.9	4.2	4.6	4.6	
5	4.1	5.2	6.4	7.6	7.6	7.4	6.9	7.0	6.7	6.7	6.7	6.6	5.9	5.7	5.2	4.3	
6	2.0	2.0	3.2	3.2	2.5	2.8	3.1	2.8	2.8	3.5	3.9	4.1	4.1	4.3	4.2	3.8	
7	-	-	-	-	-	-	-	2.7	2.9	2.8	3.2	3.9	3.5	2.5	2.5	3.5	
8	2.1	4.1	(4.8)	3.9	2.8	2.8	3.9	4.4	4.3	3.4	3.9	4.8	4.6	3.9	4.2	4.3	
9	-	-	4.2	4.3	3.9	4.8	5.7	[4.9]	4.3	4.6	2.7	3.0	3.0	3.3	3.7	3.5	
10	3.6	3.9	4.8	4.8	4.6	5.4	5.4	5.2	5.3	5.6	4.9	4.6	5.6	4.8	5.8	5.4	
11	5.6	5.7	6.0	5.9	4.1	4.2	3.6	3.3	3.5	3.7	3.9	3.5	3.7	3.6	3.7	3.9	
12	5.6	5.5	5.2	5.6	7.9	6.4	7.0	5.0	4.6	4.6	4.1	2.9	2.9	2.8	2.8	2.7	
13	10.5	11.1	11.6	10.2	8.5	6.2	5.2	4.5	4.3	4.8	4.6	4.4	4.4	4.0	4.6	5.6	
14	5.4	5.8	5.5	5.2	4.2	(4.1)	(3.5)	3.3	3.3	3.9	4.4	3.5	4.4	4.2	5.2	4.7	
15	2.7	2.9	2.9	3.8	5.4	5.6	4.6	5.5	5.8	5.4	6.2	5.9	5.8	5.6	5.4	5.5	
16	6.2	6.7	6.4	7.0	6.7	5.5	5.8	4.5	4.8	5.8	5.6	>6.6	5.5	6.0	5.8	4.6	
17	5.4	5.4	5.4	5.0	4.6	4.4	4.2	4.5	5.0	5.2	5.1	4.9	4.9	5.9	7.0	5.3	
18	1.1	1.1	1.2	1.4	2.4	2.4	(2.1)	2.7	6.4	8.7	9.2	10.2	9.3	9.3	10.2	9.6	
19	6.5	6.8	7.0	7.3	6.4	4.8	4.0	7.0	9.4	9.0	7.8	7.5	6.8	6.9	7.5	4.5	
20	3.2	3.3	3.5	3.5	3.2	3.3	3.5	3.3	[3.4]	4.6	4.8	6.2	6.2	6.8	6.6	6.2	
21	6.2	6.4	6.7	6.9	6.8	6.2	6.0	6.4	6.8	7.0	7.5	7.5	8.2	8.4	5.9	5.2	
22	-	-	-	-	-	-	-	-	7.6	5.3	5.0	3.9	3.5	4.3	3.4	2.6	
23	2.5	2.5	2.4	2.7	2.4	2.1	2.6	4.6	4.5	5.1	5.6	[6.3]	8.2	9.0	7.0	6.2	
24	3.2	3.7	3.7	3.7	3.4	3.0	2.7	3.9	5.4	4.8	5.6	5.2	6.0	6.0	6.2	6.0	
25	6.1	5.5	5.4	5.6	5.4	4.2	4.1	[5.2]	5.4	5.4	5.2	5.0	6.3	7.3	6.7	6.1	
26	5.0	5.3	5.8	6.0	5.9	5.0	4.1	5.6	7.0	7.9	7.2	6.9	6.7	6.3	6.0	5.0	
27	-	-	-	-	-	-	-	3.6	6.0	7.2	7.7	7.8	7.4	8.0	8.1	6.0	
28	1.0	1.4	2.0	2.5	2.6	2.0	1.6	3.1	5.3	7.5	6.4	-	4.4	3.8	3.5	3.0	
29	5.1	4.6	4.6	4.7	4.1	3.7	3.1	3.5	3.5	3.5	4.1	3.9	3.2	3.0	2.9	3.7	
30	4.2	4.4	4.5	4.4	4.1	4.1	3.9	3.8	4.0	3.9	4.1	3.9	4.0	3.9	4.1	4.1	
A	5.1	5.0	4.4	4.2	3.9	3.9	3.8	4.6	5.6	6.2	5.5	5.9	5.5	5.6	5.2	5.0	
N	4.4	4.6	4.7	4.7	4.5	4.4	4.2	4.4	5.0	5.3	5.2	>5.2	5.1	5.1	5.1	4.7	

x 10^{-15} [Ω^{-1} m^{-1}]
x 10^{-15} [Ω^{-1} m^{-1}]

1977
TMGr - GMT

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
3.9	3.8	4.9	5.5	5.7	5.5	5.5	5.6	-	-	-	-	-	c	1
3.1	1.1	0.8	1.4	2.0	1.8	1.7	1.1	-	-	-	-	-	c,m	2
3.4	2.0	1.4	2.1	2.8	4.9	5.2	5.0	-	-	-	-	-	b	3
3.4	3.8	4.6	6.2	5.3	5.9	5.5	3.9	-	4.5	7.1	2.2	4.9	c	4
4.6	2.0	0.8	0.8	1.1	0.8	1.4	1.8	-	4.7	8.5	0.1	8.4	c,m	5
2.1	1.4	-	-	-	-	-	-	-	-	-	-	-	c,m	6
2.3	1.9	2.0	1.6	0.8	1.6	1.8	3.9	-	-	-	-	-	o,m,r	7
4.3	3.1	1.8	-	-	-	-	-	-	-	-	-	-	o,r	8
3.5	>4.4	2.4	3.1	3.9	3.3	2.9	3.2	-	-	-	-	-	o,r,d	9
5.4	4.9	3.6	4.1	4.8	3.5	3.7	4.5	-	4.8	7.6	2.3	5.3	c,r	10
2.6	1.4	3.6	4.8	5.5	5.8	5.5	6.6	-	4.3	8.1	0.8	7.3	o,r,d	11
2.6	2.8	5.5	7.9	7.5	6.4	6.0	6.8	-	5.2	13.2	2.3	10.9	o,r,wind	12
5.3	4.8	3.4	3.3	3.7	3.6	3.3	4.1	-	5.7	13.3	2.7	10.6	c,wind	13
4.1	4.2	2.6	2.1	2.0	1.8	2.1	2.5	-	3.8	6.6	1.6	5.0	c,r,wind	14
5.8	5.3	5.4	5.6	5.4	5.7	6.0	6.0	-	5.2	7.3	2.3	5.0	c,r,wind	15
-	6.9	4.7	4.6	5.9	5.6	5.6	5.0	-	-	-	-	-	c,r,wind	16
2.5	1.0	1.2	1.2	1.2	1.2	1.2	1.2	-	3.9	11.9	0.8	11.1	c,r,f	17
7.7	3.5	2.8	2.5	3.5	4.4	4.4	5.8	-	5.1	12.3	0.6	11.7	c,f,hf	18
2.9	2.6	3.3	3.5	3.5	2.5	2.7	3.1	-	5.6	10.8	1.8	9.0	c,r,hf	19
3.9	1.8	1.4	1.6	2.3	3.3	4.0	4.9	-	4.0	7.7	1.2	6.5	o	20
5.0	-	-	-	-	-	-	-	-	-	-	-	-	o,r	21
3.0	3.1	2.5	2.5	3.7	3.7	3.1	2.6	-	-	-	-	-	o,r	22
4.4	-	4.2	2.9	2.8	3.0	3.6	3.3	-	-	-	-	-	c,r,m	23
6.8	-	-	-	-	-	-	-	-	-	-	-	-	c,hf	24
4.1	2.1	2.2	2.3	2.7	3.7	4.0	4.4	-	4.8	8.7	1.4	7.3	c,hf	25
4.3	1.8	1.6	[2.1]	-	-	-	-	-	-	-	-	-	c,hf	26
2.9	1.8	1.1	0.9	0.9	1.0	0.9	0.9	-	-	-	-	-	c	27
2.5	2.5	3.0	3.5	3.5	3.9	4.1	5.0	-	-	-	-	-	b,hf	28
3.7	3.5	3.8	3.9	3.7	3.9	3.7	4.1	-	3.8	5.4	2.5	2.9	o,hf,r	29
3.7	3.2	3.1	3.3	3.7	3.9	4.1	4.3	-	3.9	4.8	2.8	2.0	c,r	30
4.1	3.1	3.2	3.4	3.7	3.9	4.0	4.4	4.4						
3.9	>3.0	2.9	3.2	3.5	3.6	3.7	4.1	4.4						

Octobre - October

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	4.4	4.2	4.4	3.4	3.8	3.2	3.5	3.7	4.0	4.8	5.5	6.0	6.8	5.8	6.3	6.6	
2	4.6	4.8	5.4	5.2	5.4	5.6	5.7	5.6	-	-	5.3	5.0	5.9	5.0	5.8	5.0	
3	6.7	6.6	7.1	7.4	5.8	5.6	5.6	5.2	4.8	4.8	4.1	5.0	6.6	5.4	5.1	3.7	
4	3.7	4.7	4.0	4.8	5.4	5.2	5.2	5.7	[6.6]	4.8	6.0	5.8	5.4	5.4	4.7	3.3	
5	2.0	2.3	2.3	2.3	1.8	2.3	3.1	3.3	2.8	2.9	2.9	2.9	2.8	3.1	4.1	3.6	
6	1.5	2.3	2.0	1.4	1.9	2.5	2.7	2.5	2.9	2.9	3.3	3.1	2.8	3.3	2.7	2.6	
7	1.9	2.1	2.3	2.6	3.1	-	-	4.2	4.4	4.2	4.4	4.1	3.6	3.3	3.7	2.7	
8	1.2	1.8	1.8	2.3	2.0	1.8	3.9	4.2	4.6	-	-	-	3.5	3.3	3.3	2.7	
9	2.0	2.1	2.5	2.0	2.1	-	4.8	4.6	4.8	4.7	3.8	4.4	5.0	5.0	4.4	3.9	
10	4.8	5.0	5.2	4.8	4.8	4.5	4.8	5.7	5.7	5.8	5.4	5.2	4.6	4.1	3.7	3.3	
11	(3.9)	(5.0)	(5.8)	(5.9)	(5.4)	(3.8)	(3.5)	(2.9)	3.9	3.9	3.1	3.7	3.4	3.3	3.8	3.2	
12	2.1	2.0	2.0	2.0	2.4	2.8	2.0	2.9	3.7	3.0	3.1	3.5	3.5	4.8	5.0	5.4	
13	5.0	4.8	5.3	5.0	3.9	3.3	2.8	2.7	3.0	3.5	3.9	4.7	5.4	4.6	3.1	2.1	
14	1.4	1.8	2.0	2.8	3.5	3.9	3.2	3.3	3.3	3.0	3.5	4.6	3.5	2.7	2.9	2.5	
15	4.8	9.3	7.6	6.6	6.0	6.7	6.8	6.6	7.3	8.0	9.2	9.2	8.7	8.5	7.9	6.8	
16	3.4	5.3	6.0	5.8	5.0	5.0	4.1	4.2	4.5	5.8	5.8	5.6	5.5	5.7	5.2	4.6	
17	1.6	2.0	2.0	2.1	2.3	2.3	1.8	3.1	3.1	3.0	3.4	3.9	4.6	3.9	3.5	2.7	
18	0.8	0.9	1.4	1.4	2.0	1.9	1.2	1.2	1.1	1.6	2.0	2.4	3.5	4.6	-	2.5	
19	1.4	1.5	1.6	1.4	1.8	1.8	1.5	1.7	2.6	3.2	[3.1]	[3.5]	3.0	2.8	2.9	2.7	
20	3.7	4.0	4.1	3.9	4.1	3.8	2.9	2.8	4.8	5.3	5.7	6.0	6.4	6.0	4.7	3.7	
21	7.3	7.5	9.3	6.8	5.4	4.4	3.5	3.8	5.0	5.0	5.2	4.7	4.1	3.5	3.1	2.5	
22	2.0	2.3	2.8	2.9	2.4	2.3	2.3	2.5	2.7	3.3	3.7	3.7	3.9	3.1	2.7	2.3	
23	2.7	2.7	2.7	2.7	2.0	1.8	2.2	2.5	2.7	3.1	3.7	4.1	4.9	4.9	3.9	3.5	
24	2.3	2.3	1.9	1.8	1.4	1.6	2.2	2.7	3.1	3.3	3.4	3.3	3.3	3.4	3.3	2.9	
25	1.7	1.7	2.2	2.5	2.2	1.9	2.7	2.7	2.4	2.0	1.6	2.0	1.8	1.9	2.3	1.4	
26	1.4	1.6	1.6	2.3	2.6	2.4	2.7	2.2	2.5	2.8	3.8	4.2	4.1	4.3	4.1	3.5	
27	4.8	6.4	6.4	6.5	7.0	6.8	6.2	4.7	3.0	3.2	4.0	4.8	7.0	7.0	6.1	6.0	
28	2.2	4.6	5.4	5.6	5.2	4.6	3.7	2.9	3.9	4.5	4.1	4.1	4.8	4.4	3.0	2.3	
29	2.7	2.6	2.5	2.6	2.3	2.4	2.5	2.4	3.0	2.7	2.7	[3.1]	3.9	4.8	3.9	4.0	
30	2.7	2.5	2.5	2.1	2.0	2.0	2.2	2.2	2.9	4.1	5.0	4.8	5.3	4.9	4.5	3.1	
31	3.4	4.1	4.1	3.9	4.3	4.4	4.3	3.7	3.6	3.6	3.7	3.9	3.9	3.9	3.6	3.2	
A	3.3	3.7	4.0	3.7	3.4	3.4	3.4	3.8	4.0	4.3	4.5	4.4	4.2	4.3	4.0	3.6	
N	3.0	3.6	3.7	3.6	3.5	3.5	3.5	3.5	3.8	3.9	4.1	4.4	4.6	4.4	4.1	3.5	

1977

TMGr - GMT

x 10^{-15} [Ω^{-1} m^{-1}]
x 10^{-15} [Ω^{-1} m^{-1}]

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
9.2	9.1	8.4	5.7	5.8	5.6	5.2	5.2	-	5.4	13.6	2.7	10.9	o,r,wind	1
4.8	4.4	4.8	5.8	5.9	5.4	5.4	6.3	-	-	-	-	-	o,r	2
3.1	2.3	1.3	1.2	1.2	1.7	2.8	2.8	-	4.4	8.3	1.0	7.3	c,r	3
1.9	1.2	1.1	1.2	1.5	2.0	2.6	2.0	-	3.9	7.1	1.0	6.1	o,r,d	4
2.9	3.0	1.6	1.8	1.8	0.8	1.2	1.6	-	2.5	4.3	0.5	3.8	o,r,d	5
1.7	1.8	2.3	1.8	1.6	2.0	1.7	1.4	-	2.3	3.6	0.4	3.2	c,m	6
2.0	1.4	1.3	1.4	1.0	1.0	0.9	1.3	-	-	-	-	-	b,m	7
1.7	1.4	1.6	2.0	2.5	3.1	3.1	2.5	-	-	-	-	-	b,m	8
3.9	4.1	3.7	4.1	4.4	4.4	4.4	4.8	-	-	-	-	-	b	9
3.1	3.1	4.0	4.5	4.8	4.8	(4.7)	(4.4)	-	4.6	6.1	2.6	3.5	b	10
2.9	3.0	3.1	3.8	3.1	2.6	2.8	2.3	-	(3.7)	(6.3)	1.8	(4.5)	o,r	11
5.2	3.9	3.5	2.5	2.3	1.8	2.0	2.8	-	3.1	6.4	1.4	5.0	c,m	12
1.8	1.5	1.0	0.8	1.3	1.0	0.7	1.2	-	3.0	6.0	0.5	5.5	c,m,f	13
2.9	2.5	2.3	1.9	2.0	1.9	1.7	2.9	r	2.8	6.0	0.9	5.1	o,m	14
4.8	3.9	3.5	2.4	1.4	1.2	1.2	2.0	-	5.8	11.1	1.0	10.1	c	15
1.6	1.4	1.4	1.4	1.2	1.0	1.0	1.3	3.8	3.8	7.7	0.9	6.8	b,hf	16
1.9	1.0	0.6	0.6	0.5	0.4	0.5	0.6	-	2.1	5.1	0.4	4.7	b,m,hf	17
1.6	1.0	0.8	0.8	0.7	0.9	1.1	1.2	-	-	-	-	-	c,f,m,hf	18
2.7	2.7	[2.9]	3.3	3.5	3.8	3.2	3.1	-	2.6	4.6	1.0	3.6	c,f,m,hf	19
3.6	3.4	5.3	5.0	5.4	5.2	6.4	6.6	-	4.7	7.4	2.1	5.3	o,m	20
2.0	1.5	1.6	2.0	2.4	1.6	2.0	2.0	-	4.0	10.8	1.4	9.4	b,hf,m	21
1.8	1.9	2.0	2.2	2.1	1.9	2.3	2.9	-	2.6	4.3	1.3	3.0	c,f,m,hf	22
1.4	1.0	0.8	1.0	1.0	1.2	1.6	1.8	-	2.5	5.6	0.6	5.0	c,f,m,hf	23
1.5	1.0	1.6	1.5	1.0	0.6	(3.2)	1.4	-	2.2	6.4	0.4	6.0	o,f,m	24
1.2	1.3	1.4	1.4	1.0	1.0	1.4	1.4	-	1.8	4.6	0.6	4.0	o,f	25
3.2	3.2	3.7	3.9	3.7	4.1	4.5	4.7	-	3.2	5.2	0.8	4.4	o,f,m,d	26
5.8	4.5	3.6	2.7	2.0	1.8	1.2	1.4	-	4.7	8.6	1.0	7.6	o	27
2.9	2.7	3.0	3.0	2.9	2.8	2.9	2.9	-	3.7	6.6	1.6	5.0	o	28
3.5	3.3	3.1	3.3	3.8	3.5	3.4	3.1	-	3.1	5.2	2.0	3.2	o,m,d	29
2.7	2.3	3.1	3.4	3.2	1.9	2.0	2.9	-	3.1	6.2	1.3	4.9	o,m	30
3.3	2.9	3.3	4.1	4.1	4.8	4.6	5.0	-	3.9	5.4	2.2	3.2	o,m	31
2.7	2.7	2.7	2.4	2.4	2.2	2.0	2.2	3.5						
3.0	2.6	2.6	2.6	2.6	2.4	2.6	2.8	3.4						

Novembre - November

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	5.0	5.6	6.2	5.6	5.2	4.8	4.1	3.7	3.9	3.9	5.0	5.4	5.2	5.0	4.6	3.5	
2	5.0	4.8	5.0	5.3	5.3	5.2	4.3	3.7	3.6	4.1	5.0	4.4	3.9	3.1	3.3	3.7	
3	3.2	2.7	2.6	2.3	4.8	6.2	5.6	4.0	3.7	3.6	3.3	3.7	3.9	3.6	3.2	3.5	
4	3.0	3.2	-	-	-	-	-	-	-	-	-	-	[3.7]	3.3	2.6	2.8	
5	4.3	5.7	5.2	5.4	5.2	5.0	4.6	4.5	4.6	4.4	4.4	4.1	4.1	3.7	3.0	2.2	
6	-	1.0	1.4	0.8	0.4	0.8	0.6	0.8	1.2	1.5	2.0	2.6	3.5	3.3	2.0	1.8	
7	-	-	-	-	-	-	-	4.4	4.0	3.7	3.6	4.2	3.5	3.5	2.7	1.8	
8	2.2	2.0	1.8	1.2	1.3	1.3	1.0	2.0	2.9	3.9	4.1	4.1	4.6	4.0	4.6	[3.4]	
9	5.4	5.8	6.0	6.8	6.4	5.3	5.6	5.4	4.8	4.5	4.5	5.0	4.8	5.0	4.9	4.6	
10	9.0	5.0	5.8	5.2	5.0	5.0	5.0	5.2	5.0	4.6	5.0	5.2	5.7	5.0	5.0	4.6	
11	2.7	4.1	3.5	3.5	3.1	2.0	2.9	3.5	3.3	3.3	(3.5)	3.5	3.3	-	2.5	2.2	
12	4.3	4.6	4.4	4.4	5.0	4.6	4.4	4.4	-	-	-	-	-	6.8	6.2	5.7	
13	-	11.6	10.6	8.7	9.6	10.3	8.4	7.9	7.0	6.6	6.4	-	-	-	-	-	
14	-	-	-	-	-	-	-	5.6	5.2	4.9	4.9	5.6	5.6	5.6	4.9	4.6	
15	5.6	5.8	6.5	8.7	11.7	10.6	8.3	7.7	7.2	6.2	4.6	-	[6.0]	5.2	5.6	6.2	
16	8.8	8.2	7.9	8.3	6.9	6.6	5.2	2.6	3.9	3.9	[5.2]	[4.2]	4.8	-	4.1	2.6	
17	3.3	3.3	3.1	3.3	3.5	2.0	2.6	3.8	3.3	3.4	3.5	4.1	4.0	3.0	2.3	1.3	
18	1.9	2.3	2.5	2.3	2.7	2.6	2.5	2.6	2.8	3.1	2.8	2.7	2.7	2.8	2.6	2.4	
19	4.6	4.4	[3.5]	3.1	3.0	3.3	3.9	4.1	4.1	4.2	4.4	4.8	3.7	3.4	3.9	3.3	
20	4.8	4.9	5.2	5.4	5.4	4.8	4.8	4.9	4.2	4.2	4.2	4.5	4.4	4.2	3.9	3.9	
21	(6.3)	(6.2)	(6.0)	6.2	5.8	5.6	5.2	4.6	4.6	4.3	3.8	4.8	5.0	4.8	4.8	4.6	
22	6.6	6.8	6.8	7.5	7.7	7.4	6.0	5.4	4.6	5.2	6.2	6.6	6.3	5.4	3.1	-	
23	(5.9)	(5.6)	(5.0)	(4.9)	(4.0)	(4.2)	(4.4)	4.6	5.0	4.7	4.9	4.1	3.7	3.5	2.7	2.3	
24	2.5	2.4	2.3	2.3	2.7	2.5	1.8	1.7	1.7	2.0	1.8	1.8	2.0	2.3	2.2	3.1	
25	4.8	5.4	5.6	5.2	4.2	3.7	2.8	1.8	2.7	3.4	3.5	3.6	3.7	3.3	2.9	3.5	
26	3.5	3.7	3.1	3.0	2.4	2.3	1.3	1.2	1.2	1.3	1.6	2.8	3.6	2.6	2.3	2.0	
27	5.2	6.0	6.7	6.6	6.2	6.6	7.1	6.8	6.6	6.2	6.0	6.2	6.0	5.9	6.2	6.8	
28	6.2	6.3	6.9	7.3	6.4	5.8	4.8	4.4	5.8	4.4	4.5	4.8	3.9	3.5	3.4	2.7	
29	3.6	4.7	5.7	8.7	7.2	6.7	6.0	6.6	4.9	5.4	3.9	3.0	2.7	2.5	2.6	2.7	
30	2.5	2.9	4.1	2.7	4.5	4.9	6.7	6.2	6.2	5.4	4.3	3.5	2.5	2.1	1.8	2.0	
A	5.6	5.1	4.7	5.9	5.4	6.1	5.1	4.0	3.9	3.7	3.8	3.8	4.3	4.4	4.0	3.9	
N	4.6	4.8	4.9	5.0	5.0	4.8	4.4	4.3	4.2	4.2	4.2	4.2	4.2	3.9	3.6	3.4	

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TMGr - GMT

* 10^{-15} $[\Omega^{-1}\ m^{-1}]$
* 10^{-15} $[\Omega^{-1}\ m^{-1}]$

17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L' indication du temps Type of weather	Date
3.3	4.1	4.2	4.2	3.5	3.7	4.1	4.2	-	4.5	6.6	2.5	4.1	o,d,m,r	1
5.0	5.2	5.6	5.7	5.5	4.4	3.9	3.3	-	4.5	6.9	2.5	4.4	o,d,r,m	2
3.9	5.0	5.6	4.4	3.0	2.7	2.7	2.6	-	3.7	9.0	1.4	7.6	o,f,m,d	3
2.8	3.3	1.8	2.3	-	3.8	1.4	2.0	-	-	-	-	-	c,r,f,m,t	4
2.3	2.3	-	-	-	-	-	-	-	-	-	-	-	c,r	5
2.7	1.8	1.4	1.4	-	-	-	-	-	-	-	-	-	c,m	6
1.2	1.2	0.9	1.0	1.6	2.3	2.3	2.3	-	-	-	-	-	c,m	7
2.9	3.7	4.8	5.8	5.6	5.6	5.4	5.4	-	3.5	6.2	0.6	5.6	c,m	8
4.4	2.9	1.4	2.6	3.7	6.2	7.9	8.4	-	5.1	12.8	0.2	12.6	c,r,t,h	9
4.4	3.1	1.2	1.2	1.0	1.4	2.4	2.3	-	4.3	11.3	0.6	10.7	c,m	10
2.6	2.3	2.3	3.1	3.7	4.1	4.1	4.4	-	-	-	-	-	c,m,r	11
6.0	6.2	-	-	-	-	-	-	-	-	-	-	-	o,r,wind	12
-	-	-	-	-	-	-	-	-	-	-	-	-	o,r,wind	13
3.9	4.6	5.1	5.5	5.0	5.2	4.8	4.9	-	-	-	-	-	o,r	14
5.6	6.0	6.2	6.3	6.6	7.0	7.4	8.4	-	-	-	-	-	c,r	15
2.5	3.1	3.4	2.9	2.3	2.8	3.2	3.3	-	-	-	-	-	c	16
1.8	2.5	2.6	3.7	3.7	3.0	2.4	2.3	-	3.0	5.4	1.0	4.4	o,r	17
2.8	2.7	2.7	3.1	3.5	3.0	3.8	5.2	-	2.8	5.8	1.6	4.2	o,hf,m,d	18
(3.5)	(3.7)	3.9	4.2	3.8	3.8	3.7	4.3	-	3.9	5.6	1.8	3.8	o,r	19
3.0	2.8	3.7	4.4	(5.4)	(5.3)	(5.2)	(5.6)	-	(4.5)	(6.2)	2.5	(3.7)	c	20
4.5	4.8	4.6	4.8	5.2	5.8	6.2	6.4	(5.2)	(5.2)	(6.8)	3.5	(3.3)	c,hf	21
-	1.9	2.7	3.4	4.6	5.1	4.5	5.6	-	-	-	-	-	o,r	22
2.6	2.7	2.8	3.2	2.7	2.9	2.1	2.0	-	(3.8)	(7.2)	1.6	(5.6)	o,hf,r	23
4.6	4.6	3.5	4.3	4.6	4.6	4.7	4.5	-	2.9	5.3	1.5	3.8	o,hf,r	24
3.0	2.4	2.0	2.5	3.1	3.4	3.5	3.5	-	3.5	6.0	1.7	4.3	c,r	25
1.8	1.8	2.2	2.7	3.1	3.5	3.7	4.1	-	2.5	4.8	0.9	3.9	c,m,hf	26
7.3	7.2	6.4	5.6	6.4	6.1	6.2	6.6	-	6.4	8.5	4.8	3.7	o,s	27
2.7	3.3	3.1	2.5	2.6	2.6	3.1	3.3	-	4.3	7.7	2.1	5.6	o,s	28
2.4	2.0	2.0	2.3	2.3	2.2	2.3	2.7	-	4.0	10.1	1.6	8.5	o,s,d,m	29
2.0	3.7	8.4	4.8	3.8	2.5	1.6	1.3	-	3.8	13.9	1.2	12.7	o,s	30
3.1	2.9	3.8	3.9	4.8	4.5	5.1	5.4	4.2						
3.4	3.5	3.5	3.6	3.9	4.0	3.9	4.2	4.2						

Décembre - December

CONDUCTIBILITÉ D'AIR (POSITIVE)
AIR CONDUCTIVITY (POSITIVE)

$\times 10^{-15}$ $[\Omega^{-1}\ m^{-1}]$

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TMGr - GMT

Date \ h	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date
1	1.4	1.9	2.1	2.0	1.8	1.9	1.9	1.9	2.3	-	2.6	2.0	2.3	1.9	1.9	1.8	3.3	3.3	3.3	3.6	4.8	6.6	4.5	5.6	-	-	-	-	-	o,s	1
2	5.8	10.7	9.8	>10.6	8.8	6.9	8.1	5.2	4.8	3.9	3.0	3.0	2.7	3.3	3.1	3.3	3.1	3.5	3.3	3.5	3.3	2.5	2.3	2.7	-	>4.9	>14.7	2.1	>12.6	o,s,g	2
3	2.7	3.4	3.5	2.7	2.8	2.9	2.7	2.8	1.9	-	-	-	1.8	2.5	2.0	1.8	1.4	2.1	2.3	2.4	2.7	2.6	2.7	2.6	-	-	-	-	-	c,s,hf	3
4	2.2	2.3	2.1	2.0	2.3	2.8	2.5	2.3	2.5	2.2	2.0	2.1	2.1	1.6	1.4	2.0	2.0	1.4	1.4	2.0	2.5	2.3	2.2	2.5	-	2.1	3.6	1.2	2.4	o,g	4
5	2.4	2.9	3.1	3.0	2.8	2.9	[2.8]	2.9	2.8	2.5	2.9	2.6	2.3	2.5	2.5	2.4	2.4	2.7	2.5	3.3	2.7	3.5	3.1	4.4	-	2.8	6.0	2.0	4.0	o,s	5
6	4.5	4.8	4.3	4.2	>5.3	9.0	>8.3	>11.0	>8.3	6.8	5.6	6.0	3.0	2.7	1.4	1.4	1.4	2.0	2.5	2.5	2.0	2.3	2.1	2.3	-	>4.3	>14.7	0.8	>13.9	c,s,g	6
7	2.9	-	-	3.5	3.7	3.3	[3.0]	2.7	2.7	3.1	2.7	2.4	2.2	1.8	2.1	2.5	2.0	2.1	2.7	3.0	2.9	2.8	2.9	2.7	-	-	-	-	-	c	7
8	2.9	3.1	3.3	3.0	3.3	2.9	2.7	2.8	2.9	[3.3]	-	2.8	2.7	2.5	2.4	2.7	2.7	2.9	3.0	3.5	3.7	3.5	4.6	5.0	-	-	-	-	-	o,d	8
9	5.6	5.6	4.8	4.5	3.8	4.1	3.9	3.1	3.1	2.7	2.8	2.7	2.9	2.5	3.0	2.8	2.5	3.3	3.9	4.1	4.0	3.9	4.6	5.0	-	3.7	6.4	2.1	4.3	o	9
10	4.6	5.8	6.2	6.0	5.9	5.2	4.4	3.9	3.7	3.4	3.3	2.9	3.4	3.1	2.8	2.9	2.8	2.7	3.4	3.1	[3.5]	-	-	-	-	-	-	-	-	c	10
11	-	-	4.0	[3.3]	2.9	3.1	2.7	-	-	2.5	2.6	2.4	2.2	2.3	2.0	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	b	11
12	-	-	[3.5]	3.5	3.1	2.3	1.8	2.7	3.2	2.7	2.5	1.9	2.1	2.0	1.9	2.3	2.6	2.9	3.1	3.5	3.0	3.9	[4.3]	-	-	-	-	-	-	b	12
13	-	-	-	-	-	-	2.2	1.3	1.4	2.6	3.1	1.9	1.4	0.8	-	1.8	1.6	1.6	2.0	2.0	2.0	2.3	-	-	-	-	-	-	-	c,g	13
14	-	-	-	-	-	-	-	1.6	-	1.8	1.9	1.8	1.8	1.7	1.8	1.8	1.7	1.5	1.5	1.5	1.6	1.8	1.6	1.4	-	-	-	-	-	o,g,m,d	14
15	1.6	1.6	1.8	-	-	-	-	-	-	-	-	1.2	2.3	2.5	2.3	1.9	1.7	1.8	1.2	0.2	0.4	0.4	0.7	0.8	-	-	-	-	-	o,d,m,f	15
16	1.8	2.5	2.9	1.8	1.4	-	-	1.0	0.4	0.6	0.9	-	-	1.9	1.5	1.3	1.3	1.6	1.7	1.9	2.1	2.5	2.6	2.9	-	-	-	-	-	c,d,m	16
17	3.2	2.1	2.7	3.5	4.1	3.6	4.3	5.1	5.0	4.4	2.9	2.3	1.3	0.9	0.8	-	-	0.8	0.9	1.2	1.3	1.4	2.5	2.7	-	-	-	-	-	c,d	17
18	2.6	2.7	3.0	3.5	2.5	3.0	3.1	2.9	2.3	2.0	1.8	2.9	1.6	1.3	1.6	1.6	1.3	1.5	1.8	1.6	2.0	2.3	2.1	2.1	-	2.2	3.7	1.0	2.7	o,d	18
19	2.2	-	-	1.6	1.4	1.4	1.2	1.1	1.2	1.6	1.8	[2.3]	-	2.4	2.8	2.6	2.1	2.0	2.5	2.2	2.5	2.3	2.7	2.9	-	-	-	-	-	c,d	19
20	2.7	2.8	3.1	3.3	3.1	3.1	2.9	2.7	2.7	2.5	2.5	2.3	2.6	2.6	2.9	2.5	2.5	2.3	2.5	2.5	2.5	2.3	2.3	2.3	-	2.6	3.9	1.8	2.1	o,d	20
21	2.0	2.3	2.7	2.7	2.7	2.6	2.3	2.1	2.0	1.6	1.5	1.8	1.5	1.6	1.6	1.4	1.2	1.0	1.6	2.0	1.8	2.3	1.9	1.7	-	1.9	2.9	0.8	2.1	o,d,m,f	21
22	1.4	2.5	3.3	3.1	2.5	1.6	1.2	1.4	2.0	2.7	2.9	4.5	3.7	3.3	1.7	1.2	1.1	1.2	1.2	1.0	1.0	1.6	1.4	1.5	-	2.0	5.6	0.8	4.8	o,f,m,d,hf	22
23	1.1	0.6	0.8	0.8	1.2	1.3	1.4	1.2	1.0	0.6	0.6	1.1	1.6	1.8	1.2	1.8	1.8	1.2	1.6	1.8	1.6	1.8	2.3	2.3	-	1.4	2.5	0.2	2.3	c,m,hf,r	23
24	1.4	1.3	1.2	1.5	1.9	2.0	2.4	2.1	3.5	3.3	3.9	2.9	2.6	2.6	3.3	4.4	-	-	[5.2]	5.6	-	-	-	-	-	-	-	-	-	o,r,d,wind	24
25	-	-	-	-	-	-	-	-	-	-	-	-	5.4	6.2	3.3	3.7	3.7	4.8	4.4	6.8	8.5	7.1	6.8	6.0	-	-	-	-	-	o,r,wind	25
26	5.8	4.8	3.5	4.1	8.2	5.6	4.3	3.9	3.9	3.3	2.5	2.7	1.4	3.4	2.2	2.5	1.2	2.3	2.5	1.6	1.6	1.5	1.9	1.8	-	3.2	9.2	0.8	8.4	o,d	26
27	2.1	1.9	2.0	1.7	1.8	1.4	1.6	1.8	1.8	1.5	1.7	1.6	2.0	1.6	0.6	0.4	0.6	0.8	1.5	2.6	3.5	4.1	4.1	4.4	-	2.0	5.2	0.2	5.0	o,r,d	27
28	4.1	3.9	4.1	4.6	3.5	2.8	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o;r,m	28
29	-	-	-	-	-	-	1.8	1.4	1.4	1.9	2.9	3.3	3.4	3.5	4.1	4.6	4.4	4.0	4.8	5.0	5.4	4.5	5.2	5.0	-	-	-	-	-	o,r,d	29
30	4.8	4.5	3.7	3.7	4.2	4.8	[4.4]	4.6	4.6	4.0	3.5	3.8	4.2	3.3	3.3	3.3	3.7	3.7	4.1	3.7	5.0	4.5	6.8	6.0	-	4.3	11.7	2.1	9.6	o,d,r,s,wind	30
31	4.8	6.9	6.5	6.9	6.0	6.3	>7.8	5.7	1.8	1.8	1.4	1.4	1.9	3.2	3.7	3.9	4.7	4.8	4.9	4.8	5.2	5.4	6.1	6.0	-	>4.7	>14.7	1.0	>13.7	o,s	31
A	-	-	3.8	3.4	3.2	3.5	2.8	2.6	2.3	2.6	2.8	2.2	1.8	1.7	1.7	2.1	2.1	2.2	2.6	2.8	3.0	3.9	4.3	.	2.5						
N	3.1	3.5	3.5	>3.5	>3.5	3.5	>3.2	>3.0	>2.8	2.7	2.5	2.5	2.4	2.4	2.2	2.4	2.3	2.4	2.7	2.8	3.0	3.0	3.2	3.3	2.9						

NOMBRE DE NOYAUX DE CONDENSATION PAR 1 CM^3 D'AIR

NUMBER OF CONDENSATION NUCLEI PER 1 CM^3 OF AIR

Janvier - January 1977 Février - February

Date	I	II	III	M
1	10340	15260	17730	14440
2	14770	59580	20680	31680
3	6890	22650	15760	15100
4	9360	25110	61060	31840
5	19700	28070	40380	29380
6	18220	32500	8120	19610
7	17730	29050	14030	20270
8	19200	12310	16250	15920
9	7880	13050	29050	16660
10	11080	31020	16740	19610
11	17730	23640	51210	30860
12	19700	32010	18220	23310
13	27570	38410	11820	25930
14	11820	20190	14280	15430
15	26100	19200	15760	20350
16	23640	42340	31510	32500
17	15020	13290	32500	20270
18	26590	21170	31020	26260
19	44320	34470	66470	48420
20	54010	31020	61060	48700
21	55640	31020	(228470)	(105040)
22	21170	30040	52190	34470
23	9850	17730	19940	15840
24	15260	32010	19200	22160
25	18220	17730	26590	20850
26	11330	17230	29050	19200
27	11330	16740	19700	15920
28	28560	28070	33980	30200
29	12310	17730	29050	19700
30	21170	16250	15760	17730
31	17230	19200	16250	17560
M	20120	25420	34320	26620

Date	I	II	III	M
1	14770	19700	31020	21830
2	25600	27080	24620	25770
3	76320	19700	45300	47110
4	16740	32500	18710	22650
5	10830	11820	18460	13700
6	10090	15760	16740	14200
7	22900	13290	18960	18380
8	17230	18710	15760	17230
9	17230	21170	19200	19200
10	77310	11330	20680	36440
11	25600	29050	33980	29540
12	22160	41850	26590	30200
13	15260	29050	19200	21170
14	21170	20430	21670	21090
15	16250	13290	19200	16250
16	16740	23640	20680	20350
17	12310	21670	27330	20440
18	23640	16740	19200	19860
19	21670	18710	29540	23310
20	16740	56630	19700	31020
21	24370	24870	22160	23800
22	14770	23140	56130	31350
23	32010	29050	27570	29540
24	26840	22160	22650	23880
25	41000	27000	17230	28410
26	12310	15760	13540	13870
27	7140	39390	12560	19700
28	16500	51700	41850	36680
M	23410	24830	24290	24180

Note: I 6^h10^{min} - 6^h30^{min}; II 11^h00^{min} - 11^h30^{min}; III 18^h10^{min} - 18^h30^{min} (TMGr-GMT)

NOMBRE DE NOYAUX DE CONDENSATION PAR 1 CM^3 D'AIR

NUMBER OF CONDENSATION NUCLEI PER 1 CM^3 OF AIR

Mars - March 1977 Avril - Apri

Date	I	II	III	M
1	17730	33480	41850	31020
2	18710	24130	21420	21420
3	17230	11330	12560	13710
4	14770	18710	15760	16410
5	17230	6890	6400	10170
6	11820	17230	7390	12150
7	13790	42350	61550	39230
8	26100	33980	39390	33160
9	11330	20680	44320	25440
10	27080	52690	25110	34960
11	19700	31510	20680	23960
12	20680	36440	21170	26100
13	16740	45800	24200	28910
14	35000	17970	19700	24220
15	34470	18220	44560	32420
16	16990	27330	53670	32660
17	20680	17730	23140	20520
18	21170	27080	18710	22320
19	17730	30040	21670	23150
20	14770	12800	32990	20190
21	39390	16740	30530	28890
22	45300	33480	93560	57450
23	11330	7390	24620	4450
24	10340	27080	32010	3140
25	34960	25110	14770	24950
26	12800	13290	18220	14770
27	15260	10830	29540	18540
28	18220	14280	25600	19370
29	18220	18710	11820	16250
30	22160	41850	15760	26590
31	15260	31510	22160	22980
M	20550	24730	28220	24500

Date	I	II	III	M
1	9360	24130	23140	18880
2	13290	11330	18220	14280
3	15260	20680	31020	22320
4	13290	9850	15760	12970
5	10830	27080	19700	19200
6	15760	9360	12800	12640
7	9850	16250	11820	12640
8	25110	9850	11330	15430
9	14280	9850	10340	11490
10	6400	11330	17230	11650
11	9360	14770	24130	16090
12	10830	23640	16250	16910
13	16740	35450	11330	21170
14	22160	29050	10340	20520
15	15260	20680	12800	16250
16	18710	15760	18710	17730
17	10340	69430	41360	40380
18	24130	19700	34470	26100
19	59580	43820	12800	38730
20	25110	93560	40870	53180
21	27080	53180	28560	36270
22	11820	17230	22650	17230
23	9360	9360	75340	31350
24	29540	29050	10340	22980
25	9850	50220	32500	30860
26	35450	50720	25110	37090
27	19200	37910	9360	22160
28	16740	46780	62040	41850
29	82230	72880	28560	61220
30	15260	106360	60570	60730
M	20070	32980	24980	26010

NOMBRE DE NOYAUX DE CONDENSATION PAR 1 CM^3 D'AIR

NUMBER OF CONDENSATION NUCLEI PER 1 CM^3 OF AIR

Mai - May 1977 Juin - June

Date	I	II	III	M
1	10830	45300	34470	30200
2	23000	54660	29050	35570
3	16250	20680	22160	19700
4	23140	49240	16740	29710
5	18220	41360	10830	23470
6	42840	36930	26100	35290
7	25110	15760	10340	17070
8	11820	21170	32500	21830
9	6160	4190	14530	8290
10	17230	28560	20190	21990
11	29050	21670	14530	21750
12	27080	46780	11820	28560
13	26100	23640	9600	19780
14	16250	32990	7390	18880
15	5910	8860	8370	7710
16	23390	6890	17230	15840
17	9850	14280	13790	12640
18	20680	13790	9600	14690
19	15760	39390	9600	21580
20	13290	16740	21910	17310
21	18710	14770	18220	17230
22	46290	27820	21910	32010
23	30530	16250	20680	22490
24	34470	57120	19200	36930
25	12800	30530	41850	28390
26	17230	11330	22650	17070
27	32990	22650	21170	25600
28	44320	63520	18220	42020
29	13290	32010	23640	22980
30	13050	7880	8370	9770
31	29540	14770	45790	30030
M	21780	27150	19430	22790

Date	I	II	III	M
1	40870	51700	22650	38410
2	18710	29540	11330	19860
3	14280	86170	14770	38410
4	18960	41850	11330	24050
5	20430	104390	15760	46860
6	13540	12310	31510	19120
7	18220	34960	33480	28890
8	19200	43820	17730	26920
9	56130	17730	20190	31350
10	10590	12560	8860	10670
11	17230	14770	18220	16740
12	4190	13050	17970	11740
13	19200	19200	11820	16740
14	11330	30280	18220	19940
15	17230	12800	13790	14610
16	9850	16500	19450	15270
17	20190	21170	21670	21010
18	10830	14770	14770	13460
19	9360	6890	10830	9030
20	7390	7390	19700	11490
21	13790	62040	13790	29870
22	20680	28070	11820	20190
23	8860	13790	13290	11980
24	8860	67460	13790	30040
25	27570	27080	18710	24450
26	18710	10340	16250	15100
27	14280	35950	13290	21170
28	39390	17970	12310	23220
29	12310	43330	11820	22490
30	11820	11330	9360	10840
M	17800	30310	16280	21460

NOMBRE DE NOYAUX DE CONDENSATION PAR 1 CM^3 D'AIR

NUMBER OF CONDENSATION NUCLEI PER 1 CM^3 OF AIR

Juillet - July 1977 Août - August

Date	I	II	III	M
1	11820	33480	10830	18710
2	13790	10830	14770	13130
3	11820	15760	24130	17240
4	18220	9360	8370	11980
5	13790	7880	6400	9360
6	8860	9360	13290	10500
7	12800	8860	11080	10910
8	11330	16250	26340	17970
9	17230	16740	24130	19370
10	16000	23880	7880	15920
11	17730	14770	11330	14610
12	22160	37910	27080	29050
13	20190	45790	31510	32500
14	22650	15260	27570	21830
15	16250	47270	14280	25930
16	62040	58100	25600	48580
17	9850	41360	32500	27900
18	29790	55150	35950	40300
19	17730	15760	13290	15590
20	15760	13790	38410	22650
21	21170	18220	10340	16580
22	19700	26590	38900	28400
23	15510	12000	8000	11840
24	6000	10000	11000	9000
25	10000	21000	10000	13670
26	9000	31000	14000	18000
27	13000	10000	13000	12000
28	18000	(20000)	12000	(16670)
29	16000	9000	10000	11670
30	14000	25000	9000	16000
31	9000	12000	12000	11000
M	16810	22330	17840	18990

Date	I	II	III	M
1	12000	15000	16740	14580
2	21170	25110	13290	19860
3	10340	18710	10590	13210
4	8620	10090	81740	33480
5	44320	34960	36440	38570
6	44810	35950	19200	33320
7	21170	30040	18220	23140
8	23140	20680	17230	20350
9	23140	18220	20680	20680
10	21670	12310	19200	17730
11	20190	11820	20680	17560
12	25600	16740	17730	20020
13	15260	11330	17730	14770
14	9360	10830	15760	11980
15	20680	8860	15760	15100
16	7390	7880	86170	33810
17	11330	21170	17230	16580
18	22160	35450	17970	25190
19	12800	11820	8370	11000
20	10340	39390	20430	23390
21	9850	13540	8370	10590
22	10340	9600	26100	15350
23	13050	26100	19700	19620
24	46780	28560	20680	32010
25	9360	22160	17730	16420
26	12800	30530	24870	22730
27	28560	19700	36440	28230
28	21170	28560	15260	21660
29	31510	33240	14280	26340
30	33480	22650	23140	26420
31	34470	53180	35450	41030
M	20540	22070	23650	22090

NOMBRE DE NOYAUX DE CONDENSATION PAR 1 CM^3 D'AIR

NUMBER OF CONDENSATION NUCLEI PER 1 CM^3 OF AIR

Septembre - September 1977 **Octobre - Octob**

Date	I	II	III	M
1	27080	33480	22160	27570
2	35450	34960	27570	32660
3	24620	53670	35950	38080
4	13290	14530	14280	14030
5	10630	11570	30530	17640
6	23140	21670	31510	25440
7	29050	22160	26340	25850
8	21910	13540	16740	17400
9	11330	17230	19700	16090
10	18710	61060	19200	32990
11	8370	6890	17480	10910
12	12560	39880	37910	30120
13	14770	45790	19200	26590
14	27570	74350	23140	41690
15	36440	34960	16990	29460
16	12800	15760	30530	19700
17	30530	34470	33980	32990
18	29050	13290	21170	21170
19	11330	24620	45300	27080
20	13790	17230	25600	18870
21	27080	11820	8860	15920
22	16990	15760	15510	16090
23	28070	15760	18220	20680
24	35450	53180	15760	34800
25	33480	31510	25360	30120
26	23640	8370	20930	17650
27	10340	13790	15260	13130
28	23140	18710	28070	23310
29	25110	38900	15510	26510
30	16250	19200	10830	15430
M	21740	27270	22990	24000

Date	I	II	III	M
1	20190	14280	13540	16000
2	24130	14770	11330	16740
3	34960	37420	21670	31350
4	34470	49730	35450	39880
5	32500	51700	35950	40050
6	37180	32010	32500	33900
7	15760	18710	77800	37420
8	16250	32010	59090	35780
9	19700	33980	34960	29550
10	9850	81250	21670	37590
11	29050	24620	15760	23140
12	24620	19200	20680	21500
13	29540	14030	18710	20760
14	25110	19200	27820	24040
15	14280	21670	31020	22320
16	46040	49730	28560	41440
17	38410	48750	55640	47600
18	17730	25110	56130	32990
19	22160	8860	18220	16410
20	37910	23140	16000	25680
21	23140	37420	29050	29870
22	40380	55640	36930	44320
23	19700	6400	57610	27900
24	19200	21170	22650	21010
25	18220	17230	34960	23470
26	14280	38900	29050	27410
27	30530	20680	33980	28400
28	23000	96510	58600	59370
29	31510	29050	17730	26100
30	35950	26100	25110	29050
31	26590	27820	22400	25600
M	26200	32160	32280	30210

NOMBRE DE NOYAUX DE CONDENSATION PAR 1 CM^3 D'AIR

NUMBER OF CONDENSATION NUCLEI PER 1 CM^3 OF AIR

Novembre - November 1977 Décembre - Decembe

Date	I	II	III	M
1	13050	15260	27080	18460
2	20190	13290	11820	15100
3	17230	22650	19700	19860
4	15510	25600	24130	21750
5	20190	22160	10340	17560
6	17230	20680	27080	21660
7	16740	20680	36930	24780
8	33980	27570	13290	24950
9	18710	19200	32990	23630
10	26590	26100	22650	25110
11	21170	24620	41850	29210
12	17970	19200	29050	22070
13	27570	22650	24620	24950
14	13050	19940	13790	15590
15	19700	32500	35450	29220
16	21170	43820	31020	32000
17	15260	29050	22160	22160
18	20190	31020	24130	25110
19	33980	24620	18460	25690
20	5910	19200	20430	15180
21	17730	17730	18710	18060
22	16250	20680	24130	20350
23	12800	19700	27570	20020
24	15760	28560	44810	29710
25	(46780)	52190	27820	(42260)
26	55640	42350	22160	40050
27	37420	26590	19200	27740
28	46780	13050	44810	34880
29	10830	11820	13790	12150
30	9360	27330	23140	19940
M	22160	24660	25100	23970

Date	I	II	III	M
1	25110	26100	19200	23470
2	15260	18710	14280	16080
3	18460	16500	28560	21170
4	21170	24130	20680	21990
5	17480	33980	15760	22410
6	8860	20190	20190	16410
7	19200	20190	18220	19200
8	17230	38900	14770	23630
9	18710	24130	12800	18550
10	22160	31020	22160	25110
11	14770	25110	16740	18870
12	19200	42840	23640	28560
13	32990	56630	61060	50230
14	8370	13290	17230	12960
15	32500	34710	21420	29540
16	17730	39880	23390	27000
17	14770	27080	37910	26590
18	10340	32990	12800	18710
19	24620	45790	28560	32990
20	39390	48750	32990	40380
21	48260	53670	32010	44650
22	18710	23140	42350	28070
23	32500	38900	75340	48910
24	18220	19700	27820	21910
25	9360	14530	9360	11080
26	8370	12800	14280	11820
27	15760	12310	13540	13870
28	22160	17230	21170	20190
29	16740	21670	12310	16910
30	10830	23140	12800	15590
31	13290	22160	20680	18710
M	19760	28390	24000	24050

Janvier - January TMGr - GMT

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]									Tension de la vapeur Vapour pressure [hPa]					Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	-5 cm Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M		
1	107.9	106.8	104.7	106.5	-7.2	-8.4	-4.1	-3.0	-5.7	-2.9	-8.6	5.7	-14.5	2.7	3.3	4.2	3.4	86	83	73	86	82	ESE	1	SSE	2	ESE	2	1.7		
2	104.0	105.7	109.8	106.5	-2.3	-0.4	3.0	1.9	0.6	3.1	-3.2	6.3	-7.8	4.3	5.0	6.5	5.3	89	72	66	93	80	SSE	1	SSE	2	SSE	2	1.7		
3	117.5	120.0	121.7	119.7	0.9	0.7	0.7	-1.8	0.1	2.1	-1.8	3.9	-2.5	5.5	5.3	4.8	5.2	94	86	83	90	88	SSE	1	SSE	2	ESE	1	1.3		
4	124.6	126.9	129.2	126.9	-3.6	-5.2	-1.9	-4.6	-3.8	-1.8	-5.2	3.4	-9.9	3.5	4.0	3.5	3.7	83	85	75	81	81	SE	2	SSE	1	C	0	1.0		
5	128.3	126.6	123.8	126.2	-4.9	-5.1	-1.5	-5.8	-4.3	-1.5	-5.8	4.3	-11.5	3.4	3.7	2.6	3.2	74	80	68	66	72	ESE	1	C	0	ESE	1	0.7		
6	119.5	118.0	117.0	118.2	-5.2	-1.2	-0.1	-0.5	-1.8	0.2	-7.0	7.2	-11.9	5.5	5.2	5.3	5.3	62	99	86	90	84	SW	2	SSW	1	SSW	1	1.3		
7	114.9	112.1	107.0	111.3	-0.4	-0.3	0.1	-0.3	-0.2	0.5	-0.5	1.0	-2.5	5.5	5.1	6.0	5.5	85	92	83	100	90	WSW	2	WSW	2	SSW	2	2.0		
8	104.7	105.1	103.5	104.4	0.3	-1.1	-2.3	-3.7	-1.7	0.8	-3.7	4.5	-6.9	4.9	4.3	4.0	4.4	100	87	83	87	89	NW	3	WSW	2	C	0	1.7		
9	105.4	104.2	102.3	104.0	-3.6	-4.2	-2.9	-6.9	-4.4	-2.8	-7.2	10.0	-15.4	4.1	3.7	3.3	3.7	94	91	75	91	88	WSW	1	WSW	2	S	1	1.3		
10	97.7	95.5	93.4	95.5	-10.1	-7.2	-1.7	-2.7	-5.4	-1.3	-10.1	8.8	-14.8	3.1	3.5	3.9	3.5	94	88	65	78	81	SSE	3	SSE	3	SSE	2	2.7		
11	93.0	92.4	92.4	92.6	-2.2	-2.7	1.3	2.4	-0.3	2.7	-2.9	5.6	-7.4	4.2	4.6	5.5	4.8	77	84	68	75	76	SSE	2	SSE	2	SSE	2	2.0		
12	90.8	89.9	89.7	90.1	-2.8	-3.5	6.8	5.0	4.5	7.3	2.3	5.0	-0.3	5.6	6.2	6.8	6.2	75	71	63	78	72	SSE	2	SSE	3	SSE	3	2.7		
13	94.7	97.2	98.3	96.7	3.4	1.7	0.8	0.4	1.5	5.0	0.4	4.6	-0.5	6.6	6.3	6.3	6.4	85	96	98	100	95	C	0	NNW	1	NNE	1	0.7		
14	96.9	97.3	100.0	98.1	1.5	2.3	2.5	2.2	2.1	2.7	0.4	2.3	-0.1	7.1	6.7	5.7	6.5	100	98	91	80	92	E	3	ESE	2	SSE	3	2.7		
15	103.4	103.6	102.7	103.2	1.4	0.3	1.4	-0.4	0.7	2.2	-0.4	2.6	-2.7	5.1	5.5	4.7	5.1	75	82	81	80	80	ESE	2	ESE	2	ESE	2	2.0		
16	101.4	103.3	105.8	103.5	0.4	-3.6	-3.2	-3.1	-2.6	0.0	-3.6	3.6	-4.0	3.6	4.1	4.6	4.1	82	76	86	95	85	ESE	3	SE	1	ESE	1	1.7		
17	110.5	113.1	114.2	112.9	-3.3	-5.4	-3.4	-7.1	-4.8	-2.3	-7.1	4.8	-14.8	3.7	3.7	3.0	3.5	92	90	79	85	86	E	1	E	1	ENE	1	1.0		
18	116.8	115.6	113.3	115.2	-8.9	-10.8	-5.5	-7.8	-8.2	-5.0	-11.3	6.3	-16.3	2.5	2.7	2.7	2.6	86	94	67	78	81	E	1	ENE	1	ESE	1	1.0		
19	109.5	107.5	105.9	107.3	12.2	11.9	-9.4	-14.0	-11.9	-7.8	-14.0	6.2	-20.3	2.4	2.6	1.7	2.2	97	97	88	83	91	C	0	SSE	2	C	0	0.7		
20	101.9	102.3	104.7	103.0	-15.9	-17.1	-6.4	-10.8	12.6	-5.9	-17.5	11.6	-20.3	1.4	3.3	2.6	2.4	84	85	86	97	88	C	0	C	0	C	0	0.0		
21	107.1	107.7	109.4	108.2	-11.6	-8.2	-4.7	-6.4	-7.7	-4.3	-14.6	10.3	-19.7	3.1	3.8	3.7	3.5	95	95	88	97	94	C	0	C	0	C	0	0.0		
22	111.2	109.2	107.1	109.2	-6.1	-6.4	-5.1	-6.6	-6.0	-4.5	-6.7	2.2	-12.1	3.6	2.8	2.9	3.1	96	94	68	78	84	SSE	1	SE	4	ESE	2	2.3		
23	101.8	100.3	98.5	100.2	-6.2	-5.2	-1.9	0.1	-3.3	0.1	-6.6	6.7	-9.9	3.7	4.1	5.4	4.4	81	90	78	88	84	SSE	2	SSE	2	SSE	2	2.0		
24	96.8	97.4	99.1	97.8	0.2	-1.0	4.3	2.5	1.8	4.6	-1.2	5.8	-4.6	5.7	6.5	7.0	6.4	91	100	79	95	91	C	0	SSE	1	WSW	1	0.7		
25	99.2	98.8	96.8	98.3	1.4	1.0	1.9	1.7	1.5	2.6	1.1	1.5	0.2	6.6	7.0	6.9	6.8	98	100	100	100	100	C	0	C	0	C	0	0.0		
26	89.5	87.7	87.9	88.4	1.3	1.5	2.9	2.9	2.2	3.2	0.9	2.3	-1.7	6.7	7.4	7.3	7.1	100	98	98	96	98	SE	2	S	2	SSE	2	2.0		
27	86.6	88.2	90.1	88.3	2.5	1.1	5.6	1.7	2.7	6.2	1.1	5.1	-4.1	6.5	6.9	6.6	6.7	98	98	75	96	92	SSW	1	SSW	2	SSE	1	1.3		
28	95.3	97.6	97.8	96.9	1.6	1.5	4.1	0.8	2.0	4.5	1.0	3.5	-2.5	6.5	7.1	6.1	6.6	93	96	87	94	92	C	0	WSW	1	C	0	0.3		
29	95.6	92.8	91.1	93.2	0.7	-0.5	5.2	3.7	2.3	5.5	-0.6	6.1	-4.5	5.8	6.6	6.2	6.2	98	98	75	78	87	SE	1	SSE	4	ESE	2	2.3		
30	88.6	87.8	89.4	88.6	3.0	2.2	3.5	2.3	2.8	4.2	1.8	2.4	0.2	6.6	7.3	7.2	7.0	85	93	93	100	93	E	1	E	2	SSW	1	1.3		
31	93.8	97.9	101.0	97.6	0.6	0.5	-0.4	-1.8	0.3	2.5	-1.7	4.2	-0.5	6.2	5.6	5.1	5.6	100	98	94	96	97	WNW	2	WSW	2	W	2	2.0		
M	103.5	103.5	103.5	103.5	-2.7	-2.9	-0.3	-1.9	-2.0	0.6	-4.3	4.9	-7.9	4.7	5.0	4.9	4.9	89	90	81	88	87		1.3		1.7		1.3	1.4		

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	3	8	0	3.7	Cs	Ci,Cs	.	.	17	
2	10	9	10	9.7	Sc	Sc	Ns	0.4	17	●°15^{05}- np
3	10	10	7	9.0	Sc	Ns	Ci,Cs	1.2	13	●°0^{37}-1^{38}; *°11^{41}-12^{15}, *¹ 12^{15}-13^{25}, *°13^{25}-17^{21}
4	10	10	5	8.3	Sc	Ac,As	Ci,Cc,Ac	.	13	⊕¹ 17^{50}-18^{13}
5	10	8	10	9.3	Ac	Ci,Cs,Ac	Cs,Ci	0.4	13	⊕°11^{26}-12^{15}, ⊕°17^{10}-19^{30}
6	10	10	10	10.0	Ns	Ns	St	0.7	13	*°3^{30}...6^{30}, *°6^{47}-7^{00}, *°7^{12}-7^{15}, *°8^{35}...11^{00}, *°11^{17}...11^{45}
7	10	10	10	10.0	St	St	Ns	2.8	13	⛆°2^{19}-5^{31}; ⚲°6^{43}-11^{23}; *°11^{23}- np
8	10	10	8	9.3	Sc	Sc	Sc	0.0	17	*°n-4^{17}, ⛆°10^{06}-12^{12}
9	10	10	3	7.7	Sc	Sc	Ci	.	17	*° ≡; ⌣°18^{05}- np
10	10	4	5	6.3	Ac	Ac,Ci	Cs	.	17	
11	0	8	9	5.7	.	Ci,Cs	Ac	.	17	
12	5	3	10	6.0	Ci,Cs,Cu	Ci,Cs,Cc	Ci,Cs,Ac	0.0	15	⌔¹ ne-6^{09}; ●°18^{32}-19^{21}
13	10	10	10	10.0	Cs,Cc,Ci	Ns	Ns	6.5	11	●°8^{16}-10^{30}, ⁂°10^{30}-11^{47}, *¹ 11^{47}-12^{10}, ⁂¹ 12^{10}-12^{20}; ●°12^{20}-12^{35}; ⁂°12^{35}- np; = 8^{30}- np
14	10	10	10	10.0	St	Sc	Sc	0.4	12	⚲°n-9^{28}, ⚲°9^{57}-10^{50}; ●°-¹ 13^{08}-13^{32}; ⁂¹ 13^{32}-13^{49}; ●°13^{49}-14^{31}
15	2	6	10	6.0	Ci,Cu	Sc	Sc	.	9	
16	10	10	10	10.0	Sc	Ns	Ns	3.6	9	*°6^{32}...7^{07}, *°-¹ 9^{10}- np
17	4	10	3	5.7	Ac	As,Ac	Ci	0.0	13	*°-¹ n-5^{58}, *°7^{22}-9^{25}, *°10^{01}-10^{59}
18	1	2	0	1.0	Ci	Ci	.	.	13	⌣°n-8
19	10	6	0	5.3	St	As,Ac	.	0.0	12	⌣¹ n-13; *°8^{57}-10^{02}
20	8	3	2	4.3	Cs	Cs,Cc	Ci	0.0	12	⌣°n- np
21	10	9	10	9.7	Sc	Sc,As	As	0.5	12	*°5^{21}-11^{04}, *°11^{48}-16^{18}; = n-10, = 15^{30}- np
22	10	6	6	7.3	St	Cu,Ci	Sc	0.0	14	*°8^{02}-10^{50}
23	10	9	9	9.3	Sc	Ac	Ac	.	13	
24	10	10	10	10.0	Sc,As	St	St	0.7	13	= n-8; ⚲°14^{18}- np; = 16^{30}- np
25	10	10	10	10.0	St	▬²	St	0.3	8	⚲°-¹ n-14^{00}, ⚲°15^{18}-15^{34}; ≡¹ n-7^{30}, 2^{30}-16^{00}, 16^{00}- np
26	10	10	10	10.0	Ns	St	St	0.5	6	●°5^{10}-7^{03}; ⚲°9^{05}-13^{23}, ⚲°13^{59}-14^{29}; = n-11^{05}; ▬°11^{05}-16^{00}
27	10	7	6	7.7	As,Ac	Ci,Ac,Cs	Ci,Cs	.	6	
28	10	10	7	9.0	Sc	Sc	Ac	0.1	5	⚲°8^{12}-10^{10}
29	2	7	9	6.0	Ci	Ci,Cs	Ac,As	0.0	4	⚲°21^{20}-22^{17}
30	10	10	10	10.0	Si	St	St	4.7	3	⚲°0^{24}-9^{57}; ⚲°15^{40}...20^{00}; ●°20^{00}-21^{10}; ⁂°21^{10}-21^{30}, *°-¹ 21^{30}- np; = 16^{40}-18^{36}; ≡°18^{36}-np
31	10	10	10	10.0	Ns	Ns	Ns	3.0	3	*°-¹ n-18^{25}
M	8.2	8.2	7.4	7.9				25.8*		*Le total mens - Monthly mean

Date	Pression barométrique Atmospheric pressure 900 (hPa) + ...				Température de l'air Air temperature (°C)								+5(cm)	Tension de la vapeur Vapour pressure (hPa)				Humidité relative Relative humidity (%)					Vent-direction et vitesse Wind velocity and direction (m/s)								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M
1	103.6	102.8	104.7	104.0	-2.9	-2.8	0.1	-2.2	-2.0	0.3	-3.0	3.3	-3.8	4.6	4.8	4.7	4.7	91	93	79	91	88	WSW	1	W	2	C	0	1.0
2	106.9	107.7	108.8	107.8	-2.8	-7.2	-1.5	-5.4	-4.2	-1.5	-7.7	6.2	-13.3	3.3	3.9	3.8	3.7	91	93	72	92	87	WSW	1	WSW	2	C	0	1.0
3	111.5	112.0	110.5	111.3	-4.3	-4.0	C.5	-1.3	-2.3	0.7	-7.1	7.8	-14.5	4.4	4.1	4.1	4.2	94	96	65	74	82	C	0	E	2	SE	1	1.0
4	108.3	106.1	106.0	106.8	-2.7	-6.0	-0.0	-2.0	-2.7	0.2	-6.4	6.6	-13.9	3.8	4.1	4.0	4.0	78	97	67	77	80	SE	1	SSE	3	SE	1	1.7
5	107.0	106.4	105.0	106.1	-2.5	-1.9	1.4	-0.7	-0.9	1.6	-2.6	4.2	-4.8	5.0	5.7	5.1	5.3	84	94	83	87	87	SSE	1	SSE	1	ESE	2	1.3
6	101.4	100.6	100.1	100.8	-0.9	-0.7	1.5	1.1	0.2	1.7	-1.2	2.9	-2.9	5.8	6.8	6.6	6.4	89	100	100	100	97	C	0	C	0	SSE	1	0.3
7	100.4	100.9	97.4	99.6	1.1	0.8	2.1	2.3	1.6	2.5	0.8	1.7	0.0	6.5	7.1	7.1	6.9	100	100	100	98	100	S	1	SSW	2	SSE	3	2.0
8	85.0	85.6	84.9	86.5	2.9	3.7	6.0	1.9	3.6	6.6	1.8	4.8	0.0	7.8	8.3	6.9	7.7	97	98	89	98	96	SSW	2	SSW	2	SSW	1	1.7
9	90.3	93.4	95.6	93.1	2.9	1.1	0.5	-1.5	0.8	3.4	-1.5	4.9	-4.1	6.1	5.2	4.8	5.4	92	92	81	86	88	W	3	WSW	4	WSW	2	3.0
10	96.7	93.6	89.6	93.3	-5.9	-7.7	-1.1	-0.9	-3.9	-0.5	-7.7	7.2	-9.6	3.3	4.5	4.9	4.2	88	96	81	85	88	C	0	SE	2	E	1	1.0
11	82.8	80.6	84.9	82.8	-1.2	-1.3	-0.4	-0.8	-0.9	0.0	-1.7	1.7	-3.4	5.2	5.7	5.6	5.5	89	95	96	97	94	ENE	1	C	0	C	0	0.3
12	88.9	90.0	91.2	90.0	-0.4	0.4	5.0	0.4	1.4	5.2	-1.0	6.2	-1.5	6.3	8.0	6.2	6.8	98	100	92	98	97	C	0	ENE	1	ENE	1	0.7
13	95.5	100.0	104.5	100.0	C.6	-0.3	1.4	-0.9	0.2	1.6	-0.9	2.5	-1.0	5.5	5.0	5.1	5.2	98	92	74	89	88	NNE	1	ENE	2	ENE	2	1.7
14	106.7	104.7	103.7	105.0	-1.0	-1.9	-1.2	-2.4	-1.6	-0.9	-2.4	1.5	-2.2	4.7	4.4	4.3	4.5	86	86	79	85	85	E	1	E	2	E	2	1.7
15	100.9	98.5	97.4	98.9	-2.9	-3.6	-2.3	-3.1	-3.0	-2.4	-3.7	1.3	-3.7	4.4	4.2	4.7	4.4	90	94	80	97	90	ENE	1	NNE	1	N	1	1.0
16	95.8	96.6	100.3	97.6	-3.8	-4.2	-1.9	-2.9	-3.2	-1.7	-4.2	2.5	-4.6	4.3	4.4	4.8	4.5	93	96	83	97	93	N	1	WSW	1	WSW	1	1.0
17	102.3	106.0	107.1	105.8	-1.5	-1.3	0.9	-0.6	-0.6	1.1	-2.9	4.0	-3.5	5.4	5.1	5.2	5.2	97	97	79	90	91	C	0	SSE	1	ESE	1	0.7
18	106.0	103.8	102.9	104.2	-1.1	-2.2	3.5	1.3	0.4	3.7	-2.9	6.6	-5.2	5.0	5.7	6.3	5.7	91	95	73	94	88	C	0	SSE	2	SSE	2	1.3
19	104.1	101.1	98.1	101.1	0.8	-0.3	7.0	3.2	2.7	7.5	-0.4	7.9	-7.1	6.0	7.0	6.4	6.5	100	100	70	83	88	SSE	2	SSE	3	SSE	2	2.3
20	96.5	95.7	91.0	94.4	2.7	2.7	5.3	3.6	3.6	5.7	2.7	3.0	0.0	7.3	6.7	7.9	7.3	90	98	75	100	91	C	0	SSW	1	C	0	0.3
21	86.7	87.6	88.0	87.4	3.8	4.9	5.9	5.8	5.1	7.0	3.3	3.7	1.0	8.1	9.0	9.2	8.8	96	94	97	100	97	S	2	SSE	2	S	1	1.7
22	94.5	97.2	98.6	96.8	3.6	0.9	8.2	3.9	4.2	9.3	0.8	8.5	-2.5	6.5	8.6	7.9	7.7	99	100	79	98	94	WSW	1	SSW	2	C	0	1.0
23	96.0	93.9	100.5	96.8	1.5	0.3	5.2	0.9	2.0	6.0	0.3	5.7	-2.5	6.1	8.1	6.4	6.9	98	98	92	98	96	C	0	N	1	WNW	1	0.7
24	106.3	104.1	100.3	103.7	-0.2	1.3	6.4	3.7	2.8	7.6	-0.7	8.3	-3.5	6.8	8.9	7.4	7.7	99	100	92	93	96	S	2	SSE	2	SSE	1	1.7
25	97.1	93.8	89.8	93.6	0.8	0.1	5.0	4.5	2.6	5.3	-0.7	6.0	-4.0	6.2	7.7	8.3	7.4	97	100	89	98	96	SSE	1	ENE	1	N	1	1.0
26	88.6	92.7	95.5	92.3	3.8	1.9	1.7	0.0	1.8	4.9	0.0	4.9	-0.5	6.9	6.5	5.1	6.2	99	98	94	84	94	W	2	W	3	WNW	3	2.7
27	101.3	103.4	102.0	102.9	-2.4	-4.1	-2.2	-2.8	-2.9	0.0	-4.2	4.2	-4.9	3.5	3.4	4.0	3.6	71	77	66	80	74	WNW	3	WNW	2	W	1	2.0
28	106.4	107.9	109.8	108.0	-3.7	-5.3	-2.5	-3.3	-3.7	-1.9	-5.6	3.7	-8.9	3.6	4.2	4.2	4.0	82	87	82	88	85	WNW	1	W	2	W	1	1.3
M	99.1	98.9	98.9	99.0	-0.6	-1.3	1.9	0.1	0.0	2.6	-2.1	4.7	-4.5	5.4	6.0	5.8	5.7	92	95	82	91	90		1.0		1.8		1.2	1.3

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	10	7	10	9.0	St	Sc,Cu	Sc	0.0	5	$*^{\circ}14^{40}\text{-}15^{12}$, $*^{\circ}15^{43}\text{-}15^{48}$
2	4	1	5	3.3	Ac	Ci	Ci	0.0	5	$*^{\circ}7^{38}\text{-}8^{26}$
3	10	10	10	10.0	Sc	As	Sc	.	5	
4	0	3	9	4.0	.	Ci	Ac,As	.	5	
5	10	10	10	10.0	St	Sc	Sc	0.4	5	
6	10	10	10	10.0	St	≡	≡	0.6	5	$*^{\circ}$n; $\bullet^{\circ}$n-9^{50}; $\blacksquare^{\circ}$n-7^{00}, $1^{00}\text{-}8^{50}$ $2^{8^{50}}$-np
7	10	10	10	10.0	Ns	St	St	3.3	3	$\bullet^{\circ}$n-10^{03}, $\bullet^{\circ}18^{34}$-np; $\blacksquare$ n-10^{35}, $\blacksquare^{\circ}\text{-}^{\circ}10^{35}\text{-}10^{55}$
8	10	9	6	8.3	Sc	Sc,Cb,Ac	Cu	4.0	.	$\bullet^{\circ-1}$n-5^{18}, $\bullet^{\circ}7^{16}\text{-}8^{12}$, $\bullet^{\circ}9^{58}\ldots11^{56}$, $\bullet^{\circ-1}12^{45}\ldots17^{16}$, $\bullet^{\circ}19^{38}$- np
9	10	10	0	6.7	Sc	Sc,Cb	.	0.0	.	$\bullet^{\circ}$n; Δ°n; $*^{\circ}6^{20}\text{-}8^{45}$, $*^{\circ}11^{02}\ldots15^{45}$
10	8	6	10	8.0	Ac,As	Ac,Cu	Sc	0.1	.	$\smile$ n-7^{30}
11	10	10	10	10.0	Ns	Ns	Ns	7.0	.	$*^{\circ-1}4^{54}\text{-}13^{54}$, $*^{\circ}16^{57}\ldots20^{12}$
12	10	9	10	9.7	St	Sc	St	.	6	$*^{c}3^{10}\text{-}5^{41}$; $\equiv^{\circ}$n-7^{10}, $^{1}7^{10}\text{-}8^{30}$, $^{\circ}8^{30}\text{-}9^{00}$, $1_9{}^{00}\text{-}9^{40}$, $^{\circ}9^{40}$-10; = 10-np
13	10	10	10	10.0	Sc	Sc	Sc	.	2	
14	10	10	10	10.0	St	Sc	St	0.9	.	$*^{\circ}11^{45}\text{-}12^{23}$; $\Delta^{\circ}14^{35}\text{-}17^{40}$; $*^{\circ}21^{05}\text{-}2^{8^{23}}$
15	10	10	10	10.0	Ns	Ns	Ns	9.7	1	$*^{\circ-1}0^{13}\text{-}24^{00}$
16	10	10	10	10.0	Ns	Ns	Ns	4.0	8	$*^{\circ-1}0^{00}\text{-}20^{52}$
17	10	10	10	10.0	Sc	Sc	Sc	.	11	
18	10	0	10	6.7	St	.	Sc	2.1	10	$\bullet^{\circ-1}18^{20}\text{-}21^{55}$; = n-$7^{15}$
19	3	2	6	3.7	Ci	Ci	As,Ac	.	9	= n-7^{45}
20	10	7	10	9.0	Sc	As,Ac	Ns	1.2	5	$\bullet^{\circ}14^{56}$-np; = 16- np
21	10	10	10	10.0	Ns,As	Ns	≡	4.8	.	$\bullet^{\circ-1}$n ...19^{33}; = $7^{50}\text{-}13^{25}$; $\equiv^{\circ}13^{25}\text{-}16^{15}$, $^{1}16^{15}\text{-}17^{2}$ 17- np
22	1	9	6	5.3	Cu	Ac	Ac,Cu	.	.	≡ n -6^{15} ≡ $^{\circ}6^{15}\text{-}6^{50}$; = $6^{50}\text{-}8^{30}$, = 17^{10}-np
23	10	10	4	8.0	Sc	St	Ac	.	.	≡ n-7^{10}, ≡ $^{\circ-1}16^{20}$-np; = $7^{10}\text{-}16^{20}$; $\smile^{\circ}17^{40}$- np
24	10	9	0	6.3	≡	Ci,Cs	.	.	.	≡ n-10^{20}; = $10^{20}\text{-}12^{30}$
25	10	10	10	10.0	Ac,As	St	Ns	17.6	.	= n-9^{20}; $\smile^{\circ}$n-8; $\bullet^{\circ-1}13^{27}$- np
26	10	10	10	10.0	Ns	Ns	St	4.0	.	$\bullet^{\circ-1}$n-9^{35}, $\bullet^{\circ-1}19^{55}\text{-}10^{55}$, $\bullet^{\circ}11^{19}\text{-}12^{07}$; $\bullet^{\circ-1}9^{35}\text{-}9^{55}$; $\bullet^{\circ}15^{10}\text{-}16^{24}$
27	10	9	10	9.7	Cb	Cu,Ci	Cu,Cs	0.2	..	$*^{\circ}$n-6^{32}, $*^{\circ}11^{12}\ldots$np; $^{1}17^{35}\text{-}17^{55}$
28	10	10	9	9.7	Sc	Sc,Cb	Ac,Cu	0.7	1	$*^{\circ}2^{49}\ldots7^{23}$, $*^{\circ}9^{28}\ldots13^{40}$, $*^{\circ}14^{30}\text{-}14^{51}$, $*^{\circ}17^{18}\ldots17^{35}$
M	8.8	8.2	8.4	8.5				60.6*		*Le total mens - Monthly mean

Mars - March

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1977

TMGr - GMT

Date	Pression barométrique Atmospheric pressure 900 [hPa] +				Température de l'air Air temperature [°C]								•5[cm]	Tension de la vapeur Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M	
1	105.2	107.5	112.2	108.3	-5.6	-2.5	1.7	-1.2	-1.9	2.0	-5.8	7.8	-9.8	5.0	5.4	4.2	4.9	93	98	78	74	86	WSW	2	WNW	2	NNW	2	2.0	
2	112.4	109.1	105.2	108.9	-2.0	-4.4	1.2	0.5	-1.2	2.4	-4.5	6.9	-11.8	4.2	5.6	5.3	5.0	75	96	85	84	85	SSW	1	WSW	2	SSW	1	1.3	
3	104.4	100.1	92.8	99.1	-0.2	-0.5	2.9	0.4	0.7	3.0	-1.3	4.3	-4.9	5.5	5.4	6.2	5.7	90	94	72	98	88	C	0	S	2	SSE	2	1.3	
4	95 6	93.8	90 1	93.2	3.0	2.5	8.6	5.2	5.1	8.8	0.4	8.4	0.0	7.4	8.6	8.7	8.2	99	95	77	98	93	WSW	1	WSW	2	S	2	1.7	
5	90 3	92.9	96.8	93.3	4.5	4.3	4.7	4.9	4.6	7.5	4,2	3.3	2.3	6.0	6.8	5.7	6.2	74	72	79	65	72	SSW	4	W	3	WSW	2	3.0	
6	96 1	102 9	107 2	102.1	3.5	4.2	4.6	3.7	4.0	4.9	2.1	2.8	1.0	7.6	7.4	7.0	7.3	96	92	87	88	91	WSW	2	NNW	1	WNW	1	1.3	
7	118 7	122 4	123.7	121 6	1.4	-0.6	4.3	-1.9	0.8	5.2	-2.1	7.3	-5.2	3.4	3.2	4.5	4.4	8	92	38	84	75	N	1	NE	2	C	)	1.0	
8	120 0	117 0	115 9	117 6	-2.4	-1.3	10.1	8.2	3.6	11.0	-2.7	13.7	-6.6	5,4	6.2	10.0	7.2	9(	97	50	92	84	SSE	2	SSW	3	WSW	2	2.3	
9	114.6	113 5	113.4	113.8	6.9	6.4	10.2	3.7	6.8	11.5	3.7	7.8	1.5	8.7	7.6	7.3	7.9	9:	91	61	92	84	WSW	1	WSW	2	C	0	1.0	
10	112 0	110 2	107.7	110.0	-0.9	0.0	14.4	8.6	5.5	15.0	-1.2	16.2	-3.5	6.0	7.0	6.8	6.6	100	98	43	61	76	SE	1	SSE	1	SSE	2	1.3	
11	106 4	104.9	101.1	104.1	3.9	2.3	14.8	8.9	7.5	15.1	2.1	13.0	-1.3	7.1	8.6	8.1	7.9	87	98	51	71	77	SSE	1	ESE	2	SE	1	1.3	
12	101.0	100.4	101.4	100.9	5.9	3.9	15.3	11.4	9.1	16.0	2.8	13.2	0.0	6.7	8.4	8.3	7.8	80	83	48	62	68	SSE	2	SSE	4	SSE	2	2.7	
13	101.8	101.1	101.9	101.6	8.4	7.8	16.1	7.1	9.8	16.5	7.2	9.3	5.3	8.5	9.7	9.3	9.2	71	80	53	93	74	SSE	1	SSE	3	ESE	3	2.3	
14	104.3	105.9	107.8	106.0	5.2	6.2	12.2	8.1	7.9	12.5	5.2	7.3	2.6	9.2	8.9	8.1	8.7	98	97	63	75	83	C	0	SSW	1	SSE	1	0.7	
15	112.8	114.0	115.3	114.0	4.4	2.9	12.2	6.0	6.4	12.5	1.4	11.1	-2.4	7.5	8.9	7.9	8.1	96	100	62	85	86	C	0	WSW	3	C	0	1.0	
16	118.3	118.4	118.0	118.2	2.0	2.6	10.8	3.5	4.7	11.6	0.8	10.8	-3.0	7.1	7.9	6.1	7.0	100	96	61	78	87	WSW	1	WSW	1	C	0	0.7	
17	115.8	114.0	111.7	113.8	0.3	2.1	11.9	8.4	5.7	12.8	-0.4	13.2	-4.9	7.0	7.5	7.7	7.4	96	98	54	70	80	ESE	2	SSE	2	SE	3	2.3	
18	110,2	107.3	106.3	107.9	3.9	2.3	14.4	9.4	7.5	14.5	1.3	13.2	-0.5	6.2	6.7	7.8	6.9	84	86	41	66	69	SE	2	SE	2	SE	2	2.0	
19	104.8	102.9	101.7	103.1	5.3	2.7	13.9	9.6	7.9	14.8	2.4	12.4	-0.4	7.0	8.1	8.8	8.0	88	93	51	74	77	ESE	2	SE	3	ESE	3	2.7	
20	100.7	101.0	101.7	101.1	5.2	3.5	11.8	9.1	7.4	12.9	2.9	10.0	1.0	7.2	8.9	10.3	8.8	89	91	65	89	84	ESE	2	SSE	2	C	0	1.3	
21	103.6	104.3	105.2	104.4	8.0	5.6	15.5	8.7	9.4	15.9	5.2	10.7	1.5	8.8	9.9	10.2	9.6	93	97	76	90	82	E	1	W	2	C	0	1.0	
22	106.5	105.8	106.6	106.3	4.5	5.6	16.7	10.0	9.2	17.3	3.9	13.4	-0.1	8.9	9.8	10.1	9.6	98	98	51	82	82	SSE	1	SSW	1	C	0	0.7	
23	111.1	112.7	113.7	112.5	4.6	4.1	11.2	7.7	6.9	13.6	1.3	12.3	-2.0	8.0	10.4	9.8	9.4	96	98	78	93	91	NW	1	N	2	N	1	1.3	
24	116.9	115.8	114.5	115.7	5.0	3.1	12.2	7.6	7.0	13.5	2.5	11.0	0.4	6.3	5.6	7.2	6.4	82	83	39	69	68	ESE	2	SSE	2	NNE	1	1.7	
25	111.2	107.6	106.8	108.5	4.0	3.7	17.1	12.8	9.4	18.2	0.4	17.8	-4.5	6.5	8.6	11.9	9.0	80	82	44	80	72	ESE	2	SSE	2	W	2	2.0	
26	107.3	107.5	106.4	107.1	8.7	7.0	6.7	5.5	7.0	12.8	5.5	7.3	4.7	8.0	6.4	6.8	7.1	85	80	65	75	76	WSW	2	WSW	2	C	0	1.3	
27	100.3	95.3	91.5	95.7	-0.8	2.5	7.4	6.8	4.0	9.3	-1.2	10.5	-4.8	6.4	9.4	9.7	8.5	100	88	91	99	94	ESE	1	SE	2	SSE	1	1.3	
28	86 7	87.0	86 9	86.9	7.2	8.5	12.2	7.6	8.9	13.4	6.7	6.7	3.6	11.1	11.6	10.3	11.0	99	100	81	99	95	S	1	WSW	1	ENE	1	1.0	
29	99 7	105 1	110 4	105.1	2.7	0.7	1.3	-0.2	1.1	9.0	-0.2	9.2	-1.0	5.7	4.1	4.6	4.8	95	88	61	76	80	NNW	2	NNW	3	NNW	3	2.7	
30	118 4	118.8	117 4	118.2	-3.2	-4.0	-0.2	-1.0	-2.1	1.0	-4.7	5.7	-6.5	3.7	2.7	3.2	3.2	75	82	44	56	64	N	3	N	2	N	2	2.3	
31	107 8	102 7	101 2	103 9	-1.4	-3.1	-2.1	-1.8	-2.1	-0.9	-3.1	2.2	-3.2	4.7	4.5	5.1	4.8	57	97	85	96	84	ENE	3	NE	2	NW	1	2.0	
M	106 9	106 5	106.2	106 5	3.0	2.6	9.5	5.7	5.2	10.8	1.1	9.7	-1.8	6.9	7.4	7.6	7.3	89	92	62	81	81	1.5		2.1		1.3		1.6	

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	10	10	10	10 0	Ns	Sc,Cb	As	2.3	2	*°1^{12}...1^{49}, *°-$1 5^{52}$-9^{32}, *°10^{05}-10^{50}, *°10^{56}...15^{51}, *°23^{27}...24^{00}
2	5	10	10	8.3	Ci,Cc	Sc	Sc	0.1	3	*°0^{00}...1^{17}, *°9^{42}...12^{15}, *°13^{26}-13^{51}
3	10	10	10	10.0	Sc	Cs,Cu	Ns	8.8	.	= n-6^{50}; *°-$1 4^{12}$- np
4	10	10	10	10.0	Ns	Sc	Ns	3.4	2	•°-1 n-10^{25}, •°-$1 2^{45}$- np
5	10	10	10	10.0	Sc	Ns	Sc	8.3	.	•°6^{40}-13^{27}, •°13^{47}...18^{50}, •°-$1 2^{41}$-24^{00}
6	10	10	10	10.0	Sc,Cb	Sc	Sc	0.5	.	•°-$1 0^{00}$-10^{26}, •°18^{41}-19^{12}; *°23^{52}-24^{00}
7	2	1	0	1.0	Cu	Cu	.	.	.	*°0^{00}...2^{47}
8	7	9	10	8.7	Ci,Cs	Cs,Ac	Sc	0.4	.	⌣' n-8^{10}; ⊙' 6^{44}-11^{42}, ⊙°1^{29}-15^{35}; •°17^{31}-18^{33}
9	10	5	0	5.0	Sc	Ci,Cu	.	0.0	.	•°ns; •°6^{52}-8^{24}
10	0	0	0	0.0	.	.	.	.	.	⌣ᵇ n-7^{20}
11	0	0	0	0.0	.	.	.	.	.	⌣°n-7^{30}
12	9	0	10	6.3	Sc	.	Sc	0.0	.	•°20^{58}...22^{25}
13	8	1	0	3.0	Ci,Cs,Ac	Ac	.	1.0	.	•°0^{06}...5^{27}, •°20^{59}- np
14	10	5	4	6.3	St	Cu,Ci	Sc,Cu	0.0	.	•°-1 ns-5^{38}; •°5^{38}...7^{48}; ≡°n-7^{30}
15	10	4	5	6.3	Sc	Ci,Cs,Sc,Cu	Cs,Ci	0.3	.	= n-7^{10}, = 7^{35}-7^{50}; ≡°7^{10}-7^{35}; •°5^{35}-7^{26}
16	2	4	2	2.7	Ac	Ci,Cu	Cs	.	.	= ns-7^{20}, = 17^{30}-np; ⩓° n-8
17	4	7	3	4.7	Cs,Ci	Cs,Ci,Ac,As	Cf,Cs	.	.	⌣°n-7^{20}; ⊕°16^{04}-17
18	2	6	3	3.7	Ci,Cs	Ci,Cs	Ci,Cs	.	.	⊕°6^{32}-11^{40}
19	4	6	5	5.0	Ci	Ci	Ci,Cs	.	.	
20	8	8	10	8.7	Ci,Cs	Ci,Ac	As	0.1	.	•°15^{10}-16^{27}, •°17^{40}-18^{25}, •°21^{29}... np
21	5	3	1	3.0	Ci,Cs	Cu	Cu	.	.	•°0^{00}...2^{25}; = n-6^{25}
22	7	2	10	6.3	Ac,As	Ci,Cs,Cu	Sc	.	.	= n-7^{30}
23	10	3	10	7.7	≡²	Cu	Ac,Cu	.	.	≡² n-7^{20},$1 7^{20}$-8^{10},°8^{10}-8^{25}; = 8^{25}-10^{03}
24	3	0	0	1.0	Cu,Sc	.	.	.	.	
25	0	0	0	0.0	.	.	.	0.0	.	⌣' n-5^{50}; •°22^{43}-22^{56}, •°23^{13}-24^{00}
26	10	10	10	10.0	Sc	Sc	Sc	.	.	•°0^{00}...5^{48}
27	10	10	10	10.0	As	Ns	Sc	4.5	.	⌣°n-5^{40}; •°9^{06}-9^{30}, •°-$1 10^{01}$-14^{57}, •°20^{16}-22^{18}, •°-$1 23^{33}$-24; = 17^{20}- np
28	10	10	5	8.3	Ns	Sc	Cs	3.5	.	•°-$1 0^{00}$-8^{20}, •°8^{47}-9^{18}, •°-$1 9^{44}$...10^{48}, •°15^{13}-15^{32}, •'18^{52}-20^{10}; ⩓' 15^{32}-15^{33}; *°22^{31}-24^{00}; ≡' n-7^{50}, °7^{50}-8^{30}; = 8^{30}-9^{15}, = 17^{10}- np; (R)°SE18^{37}- R°19^{04}-19^{16} - (R)°SW19^{24}
29	10	10	9	9.7	Ns	Sc	Sc,Cu	0.0	.	*°0^{00}-0^{28}, *°3^{05}...6^{28}, *°6^{57}...8^{21}, *°17^{58}-18^{10}; ⩓°20^{19}-20^{25}, ⩓°21^{41}...21^{57}
30	7	9	5	7.0	Ac,Cu	Ci,Cs,Cu	Ac,Cs	2.7	.	
31	10	10	10	10.0	Ns	Ns	Ns	6.7	3	*°-$1 1^{02}$-18^{38}, *°18^{51}...21^{41}
M	6 9	5.9	5.9	6.2				42.6*		*Le total mens - Monthly mean

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]								+5[cm]	Tension de la vapeur Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M
1	105.0	101.8	99.4	102.1	-2.5	-2.3	4.9	3.5	0.9	5.4	-2.8	8.2	-4.1	4.3	4.2	5.1	4.6	94	87	49	65	74	SSW	1	SSW	3	S	2	2.0
2	94.9	94.7	95.2	94.9	3.2	3.8	10.2	10.0	6.8	13.2	1.8	11.4	-1.0	6.4	8.2	8.8	7.8	74	80	66	72	73	SSE	2	SSW	2	SSW	1	1.7
3	96.6	94.7	91.1	94.1	3.8	3.9	15.9	12.4	9.0	16.4	0.9	15.5	-3.0	7.9	7.6	9.6	8.4	92	98	42	67	75	SSE	1	SSE	2	ESE	1	1.3
4	91.8	95.0	98.9	95.2	10.0	6.4	5.6	5.0	6.8	12.4	5.0	7.4	4.4	7.0	6.6	6.0	6.5	98	73	72	69	78	WSW	2	SW	5	WSW	4	3.7
5	102.7	101.0	100.4	101.4	3.5	2.3	9.6	3.3	4.7	10.6	-1.3	11.9	-4.5	7.2	5.6	6.3	6.4	87	100	47	81	79	SSW	1	WSW	2	WSW	1	1.3
6	95.9	94.9	93.7	94.8	2.2	4.5	7.0	7.0	5.2	9.4	0.2	9.2	-3.0	7.9	7.4	7.8	7.7	90	93	74	78	84	SW	2	SW	2	SSW	2	2.0
7	91.1	90.9	94.6	92.2	6.7	6.1	10.8	3.1	6.7	11.5	3.0	8.5	0.8	6.3	6.7	6.0	6.3	71	67	32	79	67	SSW	2	SW	2	WSW	1	1.7
8	95.9	95.4	95.4	95.5	2.0	3.3	2.8	3.0	2.8	4.5	1.2	3.3	-1.4	7.3	7.1	7.0	7.1	94	95	95	93	94	C	0	NNE	2	NNE	1	1.0
9	91.2	89.3	88.2	89.6	2.2	0.3	1.1	1.3	1.2	3.3	0.2	3.1	-0.2	6.1	6.5	6.6	6.4	95	98	98	98	97	N	3	N	3	NNW	2	2.7
10	82.7	87.7	93.8	88.1	1.3	1.9	3.2	2.1	2.1	3.7	1.3	2.4	1.0	7.0	6.1	5.7	6.3	99	100	79	80	90	C	0	S	2	SSW	2	1.3
11	100.5	101.2	101.2	101.0	0.8	-0.1	2.9	1.3	1.2	3.6	-0.8	4.4	-1.5	4.7	4.3	5.2	4.7	79	78	57	77	73	WSW	2	WNW	2	W	1	1.7
12	100.1	99.5	99.3	99.6	-1.7	1.3	6.8	3.7	2.5	7.1	-2.7	9.8	-3.5	4.7	4.4	4.5	4.5	94	70	45	57	66	NW	2	WNW	3	NW	2	2.3
13	98.8	95.9	94.0	96.2	2.0	1.9	10.5	8.2	5.6	12.0	1.4	10.6	0.3	6.2	5.8	7.7	6.6	91	89	45	71	74	WSW	1	WSW	2	C	0	1.0
14	92.2	94.0	94.7	93.6	6.8	4.1	7.8	3.7	5.6	9.6	3.6	6.0	-1.0	7.5	5.7	5.8	6.3	84	92	33	73	76	WNW	3	WSW	2	C	0	1.7
15	96.5	97.0	97.9	97.1	-1.3	1.3	8.9	4.9	3.4	9.6	-1.8	11.4	-5.7	6.3	5.3	4.4	5.3	99	94	47	50	72	W	1	W	2	C	0	1.0
16	100.2	101.5	104.4	102.0	-1.3	1.9	10.2	6.2	4.2	11.0	-2.7	13.7	-6.4	6.9	5.9	6.7	6.5	91	98	47	70	76	NNW	1	NW	2	NW	2	1.7
17	107.8	106.4	104.9	106.4	1.5	2.9	10.6	5.6	5.2	12.6	-1.7	14.3	-6.4	6.9	6.9	4.7	6.2	97	91	54	52	74	N	2	NW	2	C	0	1.3
18	102.1	102.5	105.9	103.5	-1.0	4.6	9.7	4.9	4.6	14.5	-1.2	15.7	-5.4	6.8	7.9	4.6	6.4	97	81	65	53	74	S	2	WNW	3	NW	2	2.3
19	110.2	110.2	110.6	110.3	-2.8	3.0	9.5	4.9	3.6	10.0	-3.4	13.4	-8.0	5.1	5.0	4.9	5.0	97	67	42	56	66	WSW	2	W	3	C	0	1.7
20	115.9	116.0	114.6	115.5	-2.2	2.4	9.8	4.7	3.7	10.8	-3.7	14.5	-8.4	6.0	4.9	4.8	5.2	100	82	40	56	70	WSW	1	WNW	2	C	0	1.0
21	111.9	107.6	105.6	108.4	1.8	6.4	14.6	8.4	7.8	15.3	0.5	14.8	-4.0	6.0	5.5	8.9	6.8	86	62	33	81	66	WSW	2	SW	3	WSW	2	2.3
22	100.1	98.2	94.6	97.6	8.2	9.1	11.2	11.0	9.9	12.0	7.3	4.7	6.4	11.2	12.3	12.3	11.9	93	97	92	94	94	WSW	2	WSW	3	SSW	2	2.3
23	93.7	93.3	90.9	92.6	9.4	9.5	12.9	11.6	10.8	15.4	8.7	6.7	7.9	10.2	12.6	13.0	11.9	87	86	85	95	88	WSW	2	WSW	1	C	0	1.0
24	90.2	90.9	89.1	90.1	10.3	6.2	14.2	6.4	9.3	14.6	6.0	8.6	5.4	9.2	7.4	9.3	8.6	98	97	45	97	84	WSW	2	SSW	3	SSW	1	2.0
25	95.4	99.9	102.8	99.4	5.1	5.6	9.5	6.4	6.6	10.3	4.0	6.3	1.5	8.4	7.1	7.3	7.6	85	92	60	76	78	WNW	3	WSW	3	NW	2	2.7
26	106.7	107.0	105.0	106.2	4.7	5.4	10.2	7.0	6.8	12.0	2.8	9.2	0.4	8.1	6.0	7.6	7.2	100	91	48	75	78	WSW	2	WSW	2	C	0	1.3
27	101.7	98.7	101.0	100.5	3.5	7.5	16.7	10.5	9.6	18.0	3.0	15.0	-0.2	6.9	9.1	11.9	9.3	83	66	48	94	73	SSE	2	SSE	2	C	0	1.3
28	107.4	108.3	107.6	107.8	6.8	8.0	14.0	9.4	9.6	14.7	3.1	11.6	0.0	10.1	6.3	8.0	8.1	98	94	39	67	74	WNW	2	NNW	2	C	0	1.3
29	103.5	102.5	101.3	103.1	9.3	10.8	19.4	17.6	14.3	22.4	5.9	16.5	2.0	11.2	13.0	14.2	12.8	83	86	38	71	74	ESE	1	SE	2	C	0	1.0
30	102.4	102.9	102.1	102.5	13.7	17.2	29.2	23.7	21.0	29.7	12.7	17.0	8.5	13.2	10.3	12.2	11.9	84	68	25	42	55	SSE	2	SSE	3	SSE	3	2.7
M	99.6	99.3	99.3	99.4	3.5	4.6	10.3	7.0	6.4	11.9	1.7	10.2	-1.0	7.4	7.1	7.6	7.4	91	86	57	73	77		1.7		2.4		1.1	1.7

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M.	6^h	12^h	18^h			
1	9	1	10	6.7	Sc	Cu	Cs	0.0	8	$*^{\circ}{}_{ns}\text{-}7^{03}$; $\bullet^{\circ}22^{32}\text{-}22^{43}$
2	10	10	10	10.0	Ac,Sc	Sc	Sc	.	.	
3	0	7	9	5.3	.	Ac,As	Ac,As,Ci	8.2	.	$\bullet^{1\text{-}2}22^{15}\text{-}24^{00}$
4	10	10	10	10.0	Sc	Sc	Sc	0.0	.	$\bullet^{1\text{-}2}0^{00}\text{-}1^{45}$, $\bullet^{\circ}9^{25}\ldots17^{17}$
5	1	10	0	3.7	Cu	Sc,Cb	.	0.5	.	$\smile^{\circ}{}_{n}\text{-}5^{43}$; $\bullet^{\circ}8^{06}\text{-}8^{14}$, $\bullet^{\circ}9^{29}\ldots9^{46}$, $\bullet^{\circ}10^{46}\text{-}10^{49}$, $\bullet^{\circ}12^{05}\ldots15^{57}$, $\bullet^{\circ}23^{47}\text{-}24^{00}$
6	10	10	10	10.0	Sc	Sc,Cb	Sc	0.1	.	$\bullet^{\circ}0^{00}\text{-}11^{05}$, $\bullet^{\circ}11^{42}\ldots14^{03}$, $\bullet^{\circ}17^{55}\ldots20^{17}$, $\bullet^{\circ}22^{21}\text{-}22^{30}$
7	7	8	10	8.3	Ac,As,Sc	Sc	As,Ci	0.0	.	$\bullet^{\circ}11^{01}\text{-}11^{35}$, $\bullet^{\circ}12^{59}\text{-}13^{20}$, $\bullet^{\circ}14^{15}\text{-}14^{17}$
8	10	10	10	10.0	St	Ns	Sc	15.4	.	$\bullet^{\circ}3^{41}\ldots5^{50}$, $\bullet^{\circ}6^{45}\text{-}8^{48}$; $\bullet^{\circ}8^{48}\text{-}10^{27}$, $\bullet^{\circ}11^{20}\ldots19^{47}$, $\bullet^{\circ}21^{16}\text{-}22^{00}$; $*^{\circ-1}10^{27}\text{-}11^{20}$, $*^{\circ-1}22^{00}\text{-}24^{00}$; $=\ n\text{-}12^{10}$
9	10	10	10	10.0	Ns	Sc	St	2.9	3	$*^{\circ-1}0^{00}\text{-}7^{57}$; $\bullet^{\circ-1}7^{57}\text{-}8^{14}$, $\bullet^{\circ}14^{30}\text{-}22^{00}$; $\bullet^{\circ}8^{14}\text{-}12^{47}$
10	10	10	9	9.7	Ns	Sc	Sc	0.8	.	$\bullet^{\circ-1}0^{38}\text{-}6^{46}$
11	7	9	10	8.7	Sc,Ac	Sc	Sc	0.0	.	$*^{\circ}5^{43}\text{-}5^{50}$; $\bullet^{\circ}8^{01}\text{-}8^{10}$
12	7	10	10	9.0	Ci	Cs,Cu	Sc,Ac	.	.	$\smile^{\circ}{}_{n}$
13	3	4	10	5.7	Cu	Cu	Sc	0.4	.	$\bullet^{\circ}20^{40}\text{-}21^{18}$, $\bullet^{\circ}22^{57}\text{-}23^{15}$
14	10	8	4	7.3	Sc	Sc	Cu	.	.	$\bullet^{\circ}2^{45}\text{-}5^{59}$
15	10	6	2	6.0	St	Sc,Cu	Ci,Cu	.	.	$=\ n\text{-}7^{40}$
16	3	9	1	4.3	Ci,Cs	Cu,Ci,Cs	Ci	.	.	$\smile^{1}\ n_i \oplus {}^{\circ}8^{14}\text{-}9^{00}$
17	4	9	1	4.7	Ci	Ci,Cu	Ci	.	.	$\smile^{\circ}{}_{n}$
18	4	10	3	5.7	Ac	Sc	Ci,Cu	.	.	$\smile^{\circ}{}_{n}$
19	0	6	5	3.7	.	Cu,Ci	Cu	.	.	$\smile^{1}\ n\text{-}5^{44}$
20	0	4	1	1.7	.	Cu	Ci	.	.	$\smile^{\circ}{}_{n}$
21	3	9	10	7.3	Ac	Ac,Ci,Cs,Cc	Ns	7.4	.	$\bullet^{\circ-1}16^{02}\text{-}24^{00}$
22	10	10	10	10.0	Ns	Ns	Ns	1.2	.	$\bullet^{\circ-1}0^{00}\text{-}14^{27}$, $\bullet^{\circ}17^{00}\ldots21^{44}$; $\bullet^{\circ}23^{20}\ldots24^{00}$
23	10	10	10	10.0	Ns	Sc,Cb	Sc	6.3	.	$\bullet^{\circ}0^{00}\ldots3^{59}$, $\bullet^{\circ}5^{38}\text{-}7^{30}$, $\bullet^{1\text{-}\circ}11^{12}\ldots11^{52}$, $\bullet^{\circ}13^{48}\text{-}13^{59}$, $\bullet^{\circ-1}15^{57}\text{-}22^{06}$, $\bullet^{\circ-}\ 22^{59}\ldots24^{00}$; $=\ {}^{\circ}17^{05}\text{-}\ np$
24	10	5	10	8.3	Ns	Ci,Cu	Sc	7.1	.	$\bullet^{\circ-1}0^{00}\ldots6^{48}$, $\bullet^{\circ-1}14^{18}\text{-}17^{05}$, $\bullet^{\circ}18^{47}\text{-}18^{54}$
25	10	10	8	9.3	Ns	Sc,Cb	Sc,Cu	2.2	.	$\bullet^{\circ}2^{06}\ldots6^{40}$, $\bullet^{\circ}8^{28}\ldots10^{55}$, $\bullet^{\circ-1}11^{20}\ldots12^{35}$, $\bullet^{1}19^{03}\text{-}19^{51}$, $\bullet^{\circ}21^{15}\text{-}21^{36}$
26	9	6	2	5.7	Sc	Cu	Ci	.	.	
27	4	10	10	8.0	Ci,Cs	Ac,As	Sc	1.4	.	$\oplus_i{}^{\circ}8^{30}\text{-}9^{45}$; $\bullet^{\circ-1}13^{30}\text{-}16^{05}$, $\bullet^{\circ}16^{12}\ldots17^{02}$, $\bullet^{\circ}19^{33}\text{-}19^{45}$, $\bullet^{\circ}22^{31}\text{-}22^{43}$
28	2	4	5	3.7	Ac,Cu	Cu,Ci	Ci,Ac	0.1	.	$\bullet^{\circ}21^{29}\text{-}22^{49}$; $\bullet^{\circ}23^{26}\text{-}24^{00}$; $=^{1}\ ns\text{-}4^{50}$
29	10	10	10	10.0	St	Ac,As	Sc	.	.	$\bullet^{\circ}0^{00}\text{-}0^{24}$; $\varpi^{\circ}18^{30}\text{-}18^{40}$
30	3	4	7	4.7	Ci,Cs	Ci,Cs	Ci,Cs	.	.	$\oplus^{\circ}11^{42}\text{-}14$
M	6.5	8.0	7.2	7.2				54.0*		* Le total mens - Monthly mean

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

Mai - May

1977

TMGr - GMT

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]								-5 [cm]	Tension de la vapeur Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M	
1	104.8	104.9	104.0	104.6	16.1	16.3	27.6	20.4	20.1	28.2	12.9	15.3	8.5	12.9	9.9	13.3	12.0	70	70	27	56	56	SSE	1	SSE	3	ESE	1	1.7	
2	106.5	106.3	105.7	106.2	16.6	18.2	30.1	21.9	21.7	30.3	11.2	19.1	5.9	12.4	11.0	14.5	12.6	63	60	26	55	51	SSE	2	SSW	2	SSE	1	1.7	
3	107.7	106.5	106.0	106.7	15.1	16.9	28.4	20.5	20.2	28.7	12.2	16.5	8.6	13.9	12.6	15.2	13.9	91	72	33	63	65	C	0	S	2	C	0	0.7	
4	107.0	106.8	105.7	106.5	16.0	19.6	28.2	22.7	21.6	29.6	14.3	15.3	10.1	11.3	8.1	10.9	10.1	66	50	21	40	44	ESE	2	SSE	2	E	1	1.7	
5	107.2	106.0	105.2	106.1	17.9	17.2	27.0	21.5	20.9	27.6	15.3	12.3	13.4	14.5	14.3	14.8	14.5	77	74	40	57	62	SE	2	SE	3	ESE	2	2.3	
6	106.4	106.4	107.6	106.8	12.8	14.4	24.0	15.9	16.8	24.3	9.7	14.6	6.4	10.6	15.6	15.2	13.8	65	65	52	84	66	SSE	1	WSW	2	WSW	2	1.7	
7	105.9	101.7	98.9	102.2	10.6	10.4	17.7	16.0	13.7	19.5	8.2	11.3	7.0	11.3	13.2	14.0	12.8	93	90	65	77	81	N	2	NNE	2	SSE	2	2.0	
8	98.7	100.5	100.1	99.8	11.4	8.2	9.4	8.4	9.4	16.0	8.2	7.8	7.9	9.8	9.3	9.2	9.4	97	90	79	83	87	SSW	2	SSW	1	C	0	1.0	
9	103.1	104.4	104.8	104.1	6.0	8.4	11.3	10.5	9.0	12.1	5.3	6.8	2.0	10.0	8.6	10.4	9.7	99	90	64	82	84	N	1	NNW	3	C	0	1.3	
10	105.8	104.3	103.4	104.5	3.6	9.4	16.4	12.2	10.4	17.5	1.8	15.7	-0.9	9.4	7.7	8.9	8.7	100	80	41	63	71	N	2	N	2	C	0	1.3	
11	102.4	101.1	101.7	101.7	3.0	10.8	17.6	12.9	11.1	19.4	2.8	16.6	-0.6	10.0	9.9	12.0	10.6	100	78	49	80	77	S	2	NNW	1	C	0	1.0	
12	100.6	97.7	95.2	97.8	6.1	11.3	22.5	18.3	14.6	23.1	5.2	17.9	1.5	10.6	9.4	10.0	10.0	95	79	35	48	64	SSE	2	SSE	3	SSE	1	2.0	
13	93.7	91.9	92.2	92.6	13.1	15.3	24.3	18.7	17.8	25.6	11.2	14.4	8.9	10.7	10.8	14.7	12.1	68	62	36	68	58	SSE	2	S	4	SW	1	2.3	
14	93.3	91.9	92.3	92.5	12.4	13.9	21.7	14.2	15.6	23.5	11.9	11.6	9.2	14.6	15.8	15.3	15.2	96	92	61	94	86	C	0	SSE	2	C	0	0.7	
15	95.0	96.0	96.0	95.7	12.6	11.4	15.5	12.4	13.0	16.0	10.6	5.4	8.1	12.1	12.6	13.4	12.7	96	90	72	93	88	W	1	NNW	2	NNW	1	1.3	
16	94.8	97.4	99.4	97.2	11.0	12.1	12.7	10.4	11.6	13.5	10.4	3.1	10.0	13.8	12.9	12.3	13.0	96	98	88	97	95	W	2	WSW	1	NW	3	2.0	
17	102.6	106.5	109.7	106.3	8.8	8.2	9.7	9.4	9.0	10.4	8.1	2.3	7.6	10.1	10.4	11.0	10.5	98	93	87	93	93	NW	1	WNW	2	NW	2	1.7	
18	114.4	116.8	116.7	116.0	8.5	8.4	9.8	9.2	9.0	10.2	8.2	2.0	7.9	10.1	10.2	11.0	10.4	90	92	84	95	90	W	1	W	1	C	0	0.7	
19	115.6	113.9	112.0	113.8	8.8	9.4	15.5	14.2	12.0	16.9	8.3	8.6	7.8	11.5	10.4	12.8	11.6	99	97	59	79	84	C	0	C	0	C	0	0.0	
20	108.2	103.5	102.1	104.6	11.6	11.5	20.6	14.3	14.5	21.0	11.2	9.8	9.8	13.1	14.5	13.4	13.7	91	96	60	82	82	ENE	2	E	3	ENE	4	3.0	
21	99.7	100.3	102.7	100.9	11.5	12.0	17.2	12.6	13.3	17.7	11.1	6.6	10.3	12.3	15.9	12.2	13.5	84	88	81	84	84	ENE	2	C	0	WSW	1	1.0	
22	105.4	107.9	108.8	107.4	9.8	8.6	7.5	9.0	8.7	12.6	7.5	5.1	7.5	10.9	10.2	10.2	10.4	97	97	99	89	96	N	2	N	4	NNE	1	2.3	
23	108.8	108.9	109.9	109.2	7.4	7.2	11.6	9.8	9.0	12.0	7.2	4.8	6.4	9.9	10.4	11.3	10.5	91	97	76	93	89	C	0	NNW	1	C	0	0.3	
24	110.5	109.0	105.4	108.3	7.3	9.0	17.5	14.8	12.2	18.6	5.9	12.7	3.9	9.9	8.1	10.9	9.6	99	86	41	65	73	NW	2	WNW	2	WSW	1	1.7	
25	104.3	105.7	106.8	105.6	10.8	6.2	11.3	9.0	9.3	14.8	6.2	8.6	5.9	9.2	6.3	6.7	7.4	95	97	47	58	74	C	0	NNW	2	NW	2	1.3	
26	105.8	110.4	110.4	110.2	3.4	6.9	9.4	9.0	7.2	12.2	1.3	10.9	-	7.5	6.4	7.0	7.0	93	73	54	61	71	NNW	2	N	3	NNW	2	2.3	
27	112.2	112.5	111.8	112.2	0.8	5.9	11.5	10.4	7.2	13.4	-0.4	13.8	-3.7	7.3	6.4	8.5	7.4	98	79	47	67	73	WNW	1	NNW	2	C	0	1.0	
28	111.5	109.4	106.2	109.0	3.6	10.4	17.7	14.6	11.6	18.5	0.8	17.7	-2.2	8.8	8.0	8.0	8.3	96	70	39	48	63	SSW	2	WSW	2	C	0	1.3	
29	102.7	99.6	97.3	99.9	6.3	14.0	24.1	19.1	15.9	24.6	5.0	19.6	3.6	10.1	11.7	11.2	11.0	93	63	39	51	62	S	1	SSW	2	WSW	1	1.3	
30	99.4	102.0	103.2	101.5	6.8	10.1	11.0	9.8	9.4	19.1	6.2	12.9	3.3	12.0	9.7	8.2	10.0	98	97	74	68	84	N	2	N	2	N	1	1.7	
31	106.9	107.9	108.5	107.8	5.7	6.6	12.0	9.6	8.5	13.3	4.5	8.8	0.5	7.3	5.9	8.0	7.1	86	73	42	67	68	N	1	N	2	N	1	1.3	
M	104.7	104.5	104.2	104.5	9.5	11.2	17.4	13.9	13.0	19.0	7.8	11.2	(5.8)	10.9	10.5	11.4	10.9	90	82	53	72	75		1.4		2.0		1.0	1.5	

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	8	8	6	7.3	Ci,Cs	Ci,Cs	Ci,Cs	.	.	
2	0	2	6	2.7	.	Ci,Cu	Ci,Cc	.	.	(R) °NE 14^{42}-E-SE 14^{55}
3	4	1	0	1.7	Ac,Ci	Cu	.	.	.	(R) °NE 13^{07}-13^{08}
4	4	7	7	6.0	Ci,Cs	Ci,Cs,Cu	Ci,Cs,Cu	.	.	
5	3	0	0	1.0	Ac	.	.	.	.	
6	0	2	10	4.0	.	Cu	Sc,Cb	3.4	.	(R) °SSW 18^{07}-W-NNE 19^{42}; •$^{o-1}$ 18^{19}-19^{20}; S° 12^{00}-18^{00}
7	7	9	10	8.7	Cu	Ac,As	Sc	.	.	
8	10	10	10	10.0	Sc	Sc	Sc	0.0	.	•° 11^{01}...11^{25}
9	10	10	9	9.7	Sc	Sc	Sc	.	.	
10	3	3	1	2.3	Ci	Cu	Ci	.	.	
11	3	9	1	4.3	Ci,Cu	Sc,Cb,Ci,Cu	Ci,Cc,Ac	0.2	.	•° 10^{58}...11^{25}, •° 14^{56}-15^{17}, •° 16^{09}-16^{33}; (R) °NE 10^{59}-N-NW 11^{08}
12	1	3	8	4.0	Ci	Cu	Ci	.	.	
13	3	8	10	7.0	Ci,Cs	Ci,Cs	Sc,Cs	0.1	.	⊕ $^{p}8^{29}$-11^{14}; •° 17^{10}-17^{16}
14	10	9	10	9.7	Sc	Ac,Sc	Sc	4.0	.	•° 5^{10}-6^{04}, •$^{o-1}$ 16^{19}-17^{01}, •$^{o-1}$ 17^{59}...21^{38}; (R) °NE 16^{30}
15	10	10	10	10.0	Sc	Sc	Sc	2.7	.	•$^{o-1}$ 16^{16}-17^{34}, •$^{o-1}$ 20^{03}-24^{00}
16	10	10	10	10.0	St	Sc	St	0.1	.	•° 0^{00}-4^{44}; ϕ° 15^{40}...np, ϕ° 22^{31}...24^{00}; = n-7
17	10	10	10	10.0	St	St	St	0.0	.	ϕ° 0^{00}...5^{02}, ϕ° 11^{24}...np
18	10	10	10	10.0	St	St	St	0.2	.	ϕ° n-10^{37}, ϕ° 16^{15}...np
19	10	10	9	9.7	Sc	Sc	Ac	2.6	.	ϕ° n...5^{25}
20	10	6	9	8.3	St	Ac,As	As	0.1	.	•$^{o-1}$ 2^{37}-5^{00}; ϕ° 5^{00}-6^{20}, ϕ° 7^{32}-8^{48}, ϕ° 9^{56}-10^{12}
21	10	10	10	10.0	Sc	Sc	St	1.5	.	•° 11^{29}-11^{40}; ϕ° 19^{25}-24^{00}
22	10	10	10	10.0	St	Ns	Cu,Ac	8.4	.	ϕ^{o-1} 0^{00}-6^{48}, •° 6^{48}...15^{34}, •° 18^{45}...24^{00}
23	10	10	10	10.0	Ns	Ns	As,Ac	5.9	.	•$^{o-1}$ 0^{00}-11^{47}, •$^{o-1}$ 12^{16}-17^{15}, •° 17^{39}...21^{39}, •° 22^{08}...22^{34}
24	9	4	8	7.0	Ac	Cu,Ci	Ci,Ac	6.2	.	•° 21^{16}-21^{23}, •$^{o-1}$ 22^{19}...24^{00}
25	10	4	6	6.7	Ns	Cu	Ac,Cu	0.1	.	•$^{o-2}$ 0^{00}...6^{15}
26	4	8	9	7.0	Cu	Sc,Cb	Sc	0.2	.	•° 8^{45}-8^{49}, •° 9^{20}...12^{21}, •° 13^{45}-13^{51}, •° 17^{18}-17^{30}; ϕ° 9^{02}...^{o20}
27	1	9	1	3.7	Cu	Sc	Ac,Cu	.	.	
28	0	1	0	0.3	.	Ci	.	.	.	
29	0	4	1	1.7	.	Cu	Ac,Ci	1.5	.	
30	10	10	2	7.3	Cb	Sc	Cu	0.3	.	•$^{o-1}$ 4^{0E}...6^{54}
31	10	8	7	8.3	As	Cb,Cu	Ac,Ci,Cc,Cu	0.2	.	•$^{o-1}$ 12^{15}-13^{04}
M	6 5	6.9	6.8	6.7				37.7*		*Le total mens - Monthly mean

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]								+5[cm]	Tension de la vapeur Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M
1	110.7	110.6	110.1	110.5	2.4	8.0	12.3	9.9	8.2	14.2	1.8	12.4	-3.0	7.5	6.0	7.3	6.9	91	70	42	60	66	NNW	3	W	1	C	0	1.3
2	107 6	107.6	107.4	107.5	4.3	6.3	7.9	8.0	6.6	9.9	4.3	5.6	1 3	9.3	9.6	8.9	9.3	92	97	90	83	90	C	0	NNW	1	C	0	0.3
3	105 6	103 4	102 0	103.7	3.6	8.4	15.3	12.4	9.9	16.0	0.9	15.1	-2.6	8.6	6.3	8.9	7.9	100	78	36	62	69	N	1	W	2	C	0	1.0
4	99.6	97.2	95.1	97.3	4.7	9.0	15.9	13.8	10.8	16.5	4.3	12.2	1.1	10.7	9.9	13.1	11.2	98	93	55	83	82	W	1	WSW	1	WSW	1	1.0
5	95 3	94.9	93.0	94.4	10.1	11.5	16.9	14.1	13.2	17.2	7.7	9.5	3.4	11.6	8.8	11.2	10.5	95	85	46	69	74	WSW	1	W	3	C	0	1.3
6	91 8	93.2	94.6	93.2	9.1	14.8	19.2	14.6	14.4	20.4	8.2	12.2	3.9	12.7	13.1	16.1	14.0	91	75	59	97	80	SSW	1	S	3	C	0	1.3
7	99.3	98 1	97 9	98.1	13.3	12.8	22.7	19.6	17.1	23.8	11.3	12.5	7.9	14.1	15.2	15.9	15.1	98	95	55	70	80	SW	1	SSW	2	C	0	1.0
8	102 7	103 8	104 5	103.7	13.4	17.5	26.9	21.7	19.9	27.4	13.3	14.1	10.3	17.8	15.9	15.8	16.5	96	89	45	61	73	S	1	SSW	2	C	0	1.0
9	105 8	104 8	103.9	104.8	12.6	20.0	28.1	23.9	21.2	29.2	12.2	17.0	9.4	16.8	15.4	19.6	17.3	98	72	41	66	69	SSE	1	ESE	1	C	0	0.7
10	104 3	103.0	102.4	103.2	15.5	21.7	29.5	25.7	23.1	30.2	13.7	16.5	10.4	20.0	15.2	16.9	17.4	97	77	37	51	66	SE	1	ESE	3	E	1	1.7
11	103.5	102.9	102.0	102.8	15.6	23.2	29.9	24.0	23.2	30.4	13.3	17.1	9.8	18,0	14.0	17.6	16.5	92	63	33	59	62	ENE	2	NE	2	C	0	1.3
12	105.7	105.1	104.2	105.0	15.3	20.9	25.9	22.1	21.0	28.0	14.2	13.8	10.0	18.5	15.2	17.8	17.2	99	75	45	67	72	E	2	NNE	2	C	0	1.3
13	103.5	101.2	99.6	101.4	15.3	21.1	28.6	24.0	22.2	29.7	14.2	15.5	11.0	19.6	18.4	22.0	20.0	99	79	47	74	75	N	1	NNW	2	C	0	1.0
14	98.2	97.1	95.6	97.0	16.9	21.1	21.7	21.0	20.2	26.6	15.1	11.5	11.6	18.6	19.6	18.5	18.9	93	74	76	74	79	ESE	1	SSW	1	NNE	1	1.0
15	95.3	95.0	95.0	95.1	17.5	18.1	24.6	19.2	19.8	26.6	16.0	10.6	13.4	18.7	19.0	20.3	19.3	91	90	62	91	84	E	1	E	1	C	0	0.7
16	96.9	97.2	97.4	97.2	16.0	19.9	26.1	23.1	21.3	26.6	14.7	11.9	12.3	19.5	20.8	21.4	20.6	92	84	62	76	78	WSW	1	W	2	C	0	1.0
17	99.5	99.1	99.6	99.4	15.8	21.5	28.8	24.5	22.6	29.2	14.7	14.5	12.0	21.1	18.7	21.2	20.3	97	82	47	69	74	NW	1	W	2	NNW	1	1.3
18	101.2	100.4	98.8	100.1	16.6	18.9	24.9	23.6	21.0	26.3	15.8	10.5	12.3	19.9	21.3	19.8	20.3	96	91	68	68	81	W	2	W	2	N	1	1.7
19	96.9	93.8	94.0	94.9	15.0	19.9	26.9	17.4	19.8	27.4	13.8	13.6	10.5	20.0	18.3	18.8	19.0	100	86	52	95	83	N	1	SE	2	C	0	1.0
20	92.5	93.2	95.9	93.9	16.9	17.9	18.3	18.1	17.8	22.0	16.2	5.8	15.3	19.3	19.6	20.1	19.7	98	94	93	97	96	S	1	N	1	NNW	1	1.0
21	102.9	104.4	105.1	104.1	16.0	14.9	20.2	17.9	17.2	20.9	13.7	7.2	12.8	14.4	8.0	9.3	10.6	98	85	34	46	66	N	2	N	2	NNW	1	1.7
22	106.4	104.8	103.6	104.9	6.8	15.5	21.3	18.9	15.6	22.0	5.7	16.3	2.6	8.7	8.2	9.9	8.9	98	50	32	45	56	E	2	E	1	C	0	1.0
23	105.4	105.5	105.0	105.3	12.5	15.5	16.9	16.2	15.3	19.5	10.2	9.3	7.4	14.2	11.0	8.0	11.1	87	81	57	43	67	N	2	NNW	3	N	1	2.0
24	107.1	105.7	103.4	105.4	4.6	14.6	22.8	19.9	15.5	24.1	3.5	20.6	0.7	10.4	9.5	11.8	10.6	99	63	34	51	62	SW	1	SSW	2	C	0	1.0
25	103.7	101.8	100.0	101.8	10.5	17.8	28.1	23.6	20.0	28.5	10.3	18.2	7.3	13.1	13.2	16.8	14.4	94	65	35	58	63	S	2	SSW	2	C	0	1.3
26	99 4	97.7	96.3	97.8	14.1	18.5	28.7	21.0	20.6	30.2	13.7	16.5	10.5	16.0	13.0	16.0	15.0	97	75	33	64	67	SSE	1	SSW	1	SSW	1	1.0
27	98.8	100 2	101.8	100.3	15.8	15.9	19.1	16.7	16.9	21.2	15.1	6.1	13.9	16.9	11.7	11.0	13.2	91	94	53	58	74	NW	1	W	3	W	1	1.7
28	104 1	103 6	103 2	103.6	7.5	15.2	20.5	17.9	15.3	21.7	6.2	15.5	2.2	11.5	9.9	12.9	11.4	98	66	41	63	67	W	1	W	2	C	0	1.0
29	104.4	103 8	101 0	103.1	8.4	13.8	23.1	20.3	16.4	23.7	8.3	15.4	4.3	12.1	9.9	11.3	11.1	99	77	35	48	65	SE	1	SSE	2	SE	1	1.3
30	101.5	102 5	104 7	102.9	15.5	18.1	24.6	16.1	18.6	25.0	14.3	10.7	11.7	14.2	15.4	17.1	15.6	74	68	50	94	72	S	2	WNW	2	NNW	1	1.7
M	101.6	101 1	100 6	101.1	12.1	16.4	22.5	19.0	17.5	23.8	10.9	12.9	7.8	15.1	13.7	15.2	14.7	95	79	50	68	73		1.3		1.9		0.4	1.2

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm.]	Couche de neige Snow cover [cm]	Remarques Remarks
	6h	12h	18h	M	6h	12h	18h			
1	3	6	9	6 0	Ac	Cu	Ci,Cu	3.6	.	• °13^47-14^00
2	10	10	10	10.0	Ns	Sc	Sc	3.3	.	• °-1 0^24-9^49, • °9^49...13^13
3	4	3	8	5 0	Ci,Cs	Cu	Ci,Cc,Cs	0.3	.	
4	10	10	10	10 0	Sc	Cu,As	Ns	2.7	.	• °2^26...4^38, • °5^35-8^13, • °11^06...18^05, • °-1 18^09-21^49, • °22^57..,24^00
5	10	6	1	5.7	Sc	Cu,Ac,As	Ci	0.0	.	• °0^00...0^34
6	10	10	10	10.0	Ac	Ac,As,Cu	Ac,As	3.3	.	• °2^03-2^19, • °6^36...7^58, • °-1 14^16-15^25, • °17^26-17^48, • °-1 18^20-22^18, • °23^54-24^00; = 17^25-np
7	10	2	6	6.0	St	Cu,Ci	Ci	4.2	.	• °0^00-0^23
8	1	4	0	1.7	Ci	Cu	.	.	.	R^1 na; • ^2 2^18-3^12
9	0	1	0	0.3	.	Cu	.	.	.	Δ°n-6^25
10	0	2	1	1.0	.	Cu	Ci,Cc	.	.	Δ°n-6^15
11	0	3	3	2.0	.	Cu,Ci	Ci,Cu	.	.	
12	0	4	9	4.3	.	Cu,Ci	Sc,Ac,Ci	0.0	.	• °17^16-17^27; (R) °NE 17^04-NE17^15
13	2	7	6	5.0	Ci,Cc	Cu,Ac,Ci	Ci,Cu,Ac	.	.	
14	0	10	9	6.3	.	Sc,Cb	Ac,Ci	0.0	.	• °11^37-11^41, • °12^01-12^35, • °20^30...21^29; (R) °SSE11^07-S-SW12^16, (R)' ENE14^06--NE-N14^55
15	8	10	10	9.3	Ac	Cb,Cu	Cb	0.5	.	(R)°NNW11^08-N-E13^12, (R) °SSW16^17-W-N18^36, (R)' E19^25-19^58; ζ' E19^58-np; • °-1 16^34-18^28; = 18^10-np
16	0	4	7	3 7		Cu	Cs,Ci,Cc	.	.	≡' na-4^30
17	10	3	0	4.3	Sc,Cs	Cu	.	.	.	
18	10	3	2	5.7	St	Cu	Ci	.	.	= 4^30-7^30
19	1	7	10	6.0	Cu	Ci,Cs,Cu	Ac,As	2.6	.	• °-1 12^28-15^38, • °23^45-24^00; (R) °NE12^18-N-NW14^20
20	10	10	10	10.0	St	Cb	Sc	8.2	.	• °0^00-0^13, • °1^32-2^39, • °8^56-9^18, • °-2 11^45-16^37; (R)' N11^16- R°12^10-12^11-(R) ° S13^05; = 17^15-np
21	6	2	0	2.7	Cu	Ci	.	.	.	
22	1	3	0	1.3	Cu	Cu,Ci	.	.	.	
23	5	9	0	4.7	Cu	Ac,Cu	.	.	.	
24	0	0	0	0.0	.	.	.	.	.	
25	7	6	0	4.3	Sc	Cu	.	.	..	
26	0	9	9	6.0	.	Cb,Cu	Sc	0.8	.	(R) °SSE11^57-E12^38, (R) °WSW18^33-18^51; • °18^27-18^58
27	10	7	6	7.7	Sc	Ci,Cs,Cu	Cu,Ac,Ci	.	.	• °-1 na
28	1	9	1	3.7	Ci	Ci,Cs,Cu	Ci	.	.	
29	5	8	5	6 0	Ac	Ac,Cu	Ci,Cs	.	.	
30	4	6	10	6.7	Ci	Cs,Cu	Cb	19.4	.	(R)°b14^32-S-SSW16^04; • °-2 14^45-16^56, • °-2 18^04-24^00.
M	4.6	5 9	5 1	5 2				48.9*		*Le total mens - Monthly mean

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]								ΔS[cm]	Tension de la vapeur Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]									
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M	
1	109.3	109.6	108.4	109.1	13.5	12.2	20.4	18.7	16.2	22.2	11.5	10.7	10.8	13.2	9.3	14.3	12.3	97	93	39	66	74	C	0	N	3	C	0	1.0		
2	105.5	105.9	103.7	105.0	10.0	17.1	17.1	19.5	15.9	21.5	9.8	11.7	7.4	14.6	15.4	9.1	13.0	100	75	79	40	74	S	1	WSW	2	W	2	1.7		
3	102.5	102.1	101.4	102.0	8.0	15.5	16.9	16.1	14.1	19.5	7.2	12.3	4.0	11.9	13.1	10.9	12.0	99	68	68	60	74	W	3	NW	2	N	2	2.3		
4	99.5	96.7	92.7	96.3	11.0	13.6	14.9	14.4	13.5	18.5	10.6	7.9	7.8	13.1	14.7	13.5	14.4	96	84	87	94	90	W	2	W	2	NNW	2	2.0		
5	95.7	96.7	97.0	96.5	11.7	11.8	17.7	16.1	14.3	19.8	10.2	9.6	8.3	13.3	10.4	12.9	12.2	93	96	51	70	78	N	2	NNE	2	NE	1	1.7		
6	92.6	92.0	92.5	92.4	9.8	12.7	14.4	13.7	12.6	16.1	9.7	6.4	6.9	14.5	15.8	15.3	15.2	98	99	97	98	98	WSW	2	WSW	1	C	0	1.0		
7	93.7	95.5	95.8	95.0	13.6	13.5	16.1	16.3	14.9	20.4	12.4	8.0	9.8	14.8	15.2	15.6	15.2	97	95	83	84	90	SSW	1	SSW	1	C	0	0.7		
8	96.5	96.5	96.2	96.4	10.8	13.2	21.1	17.0	15.5	21.7	10.6	11.1	8.2	14.8	14.7	17.2	15.6	98	98	59	89	86	SSW	1	S	1	C	0	0.7		
9	95.4	94.1	94.4	94.6	14.5	15.7	20.3	18.5	17.2	21.3	14.3	7.0	13.3	17.2	18.8	19.2	18.4	95	97	79	90	90	NE	1	N	1	C	0	0.7		
10	95.1	95.2	95.7	95.3	14.6	15.5	22.1	17.1	17.3	23.1	13.7	9.4	11.8	17.2	18.8	17.7	17.9	94	98	71	91	86	W	1	WSW	2	NNW	2	1.7		
11	97.7	99.5	99.9	99.0	16.1	17.1	19.6	18.1	17.7	21.0	14.8	6.2	13.6	16.1	13.0	12.5	13.9	99	83	57	60	75	NNW	4	NNW	3	NW	3	3.3		
12	104.3	103.7	103.2	103.7	11.1	14.6	22.7	21.0	17.4	24.1	9.7	14.4	7.4	13.5	11.5	15.0	13.3	87	81	42	60	68	NW	2	NNW	3	C	0	1.7		
13	102.6	99.5	96.5	99.5	12.0	19.1	27.9	23.6	20.6	28.6	11.2	17.4	8.1	15.5	16.4	19.8	17.2	99	70	44	68	70	S	2	SSW	2	C	0	1.3		
14	94.5	95.1	95.7	95.1	17.9	18.5	18.2	16.3	17.7	23.6	15.7	7.9	15.2	18.8	17.0	13.2	16.3	86	88	81	72	82	S	1	SW	2	W	1	1.3		
15	97.0	97.8	100.2	98.3	11.2	12.0	17.8	12.2	13.3	18.5	10.5	8.0	8.7	12.8	8.9	10.7	10.8	96	91	44	75	76	NNW	1	W	2	W	1	1.3		
16	103.6	102.5	102.8	103.0	8.4	12.8	19.1	15.2	13.9	20.0	7.0	13.0	3.7	10.5	9.9	9.8	10.1	100	71	45	57	68	W	2	WSW	2	C	0	1.3		
17	100.5	99.2	99.0	99.6	7.2	12.3	19.6	16.8	14.0	20.5	6.4	14.1	3.5	11.6	9.7	10.9	10.7	100	81	43	57	70	SSW	1	W	2	C	0	1.0		
18	99.9	99.7	97.0	98.9	11.3	15.4	19.6	18.7	16.2	21.0	9.2	11.8	5.4	12.7	12.1	13.5	12.8	92	73	53	63	70	SW	2	WSW	2	S	1	1.7		
19	95.0	96.7	98.1	96.6	14.3	16.1	17.2	15.7	15.8	21.5	14.2	7.3	12.8	15.6	13.5	13.4	14.8	89	85	79	75	82	SSW	2	W	1	WSW	1	1.3		
20	102.2	101.6	101.3	101.7	11.2	15.9	22.1	19.0	17.0	23.8	10.2	13.6	7.0	15.0	13.7	17.2	15.3	97	83	52	78	78	WSW	1	WSW	1	C	0	0.7		
21	100.1	99.1	102.6	100.6	13.0	17.2	20.9	13.7	16.2	25.5	11.7	13.8	8.3	14.7	18.7	15.5	16.3	94	73	76	99	86	SSE	1	WSW	2	NW	2	1.7		
22	105.1	106.2	106.2	105.8	10.8	13.6	18.1	16.1	14.6	20.7	8.4	12.3	6.4	15.0	13.6	13.4	14.0	93	97	66	73	83	NNW	1	WNW	1	W	1	1.0		
23	103.8	102.8	103.0	103.2	10.9	14.0	16.7	14.2	14.0	17.6	9.7	7.9	6.8	13.8	14.4	14.9	14.4	99	86	76	92	88	SSW	1	W	1	WSW	1	1.0		
24	101.4	95.9	93.0	96.8	10.3	12.4	24.4	21.4	17.1	24.9	8.7	16.2	5.1	14.4	18.6	17.7	16.9	97	100	61	70	82	S	1	SSW	2	SSW	1	1.3		
25	92.8	90.4	86.9	90.0	15.9	18.8	28.0	25.0	21.9	29.8	15.1	14.7	12.7	16.6	19.3	16.1	17.3	94	76	51	51	68	SW	1	S	2	SSE	2	1.7		
26	89.7	93.7	95.7	93.0	17.8	17.2	18.9	14.8	17.2	25.0	14.8	10.2	13.8	16.6	14.9	15.9	15.8	84	85	68	94	83	W	2	SW	2	S	1	1.7		
27	98.8	99.8	101.1	99.9	13.5	14.6	21.5	19.6	17.3	22.6	13.2	9.4	11.6	16.4	13.6	15.9	15.3	96	99	53	70	80	S	1	SSW	2	W	1	1.3		
28	104.0	104.3	103.7	104.0	10.8	15.7	21.7	18.5	16.7	23.6	8.8	14.8	5.9	14.4	13.1	15.0	14.2	97	81	50	71	75	NW	1	W	1	C	0	0.7		
29	106.0	105.3	105.0	105.4	10.2	16.1	23.3	19.6	17.3	24.6	8.5	16.1	6.0	13.6	12.4	16.3	14.1	95	74	43	71	71	C	0	NNW	1	C	0	0.3		
30	105.7	103.6	102.1	103.8	13.7	16.3	23.7	19.4	18.3	24.6	11.7	12.9	8.1	14.2	9.6	14.3	12.7	95	76	33	64	67	NNE	1	NNW	1	C	0	0.7		
31	99.8	97.5	94.7	97.3	13.4	17.6	24.7	20.2	19.0	25.1	12.1	13.0	9.6	13.9	12.2	12.5	12.9	95	69	39	53	64	SSE	2	ESE	2	ESE	1	1.7		
M	99.7	99.3	98.9	99.3	12.2	15.1	20.2	17.6	16.3	22.3	11.0	11.3	8.6	14.5	14.0	14.6	14.4	95	85	60	73	78			1.4		1.7		0.8	1.3	

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	10	3	0	4.3	Sc	Ci,Cc,Cs,Cu	.	.	.	● °0^{00}-3^{58}
2	4	10	0	4.7	Ac,Ci	Sc	.	0.3	.	⌓^{1} n; ●°9^{18}-10^{22}, ●°11^{15}-11^{24}, ●°12^{01}-12^{04}
3	3	10	4	5.7	Cu,Ci	Ns	Ac,As,Sc,Ci	0.5	.	● °10^{52}-10^{54}, ●°11^{03}...12^{33}, ●°21^{16}-22^{50}
4	9	10	10	9.7	Sc	Ns	Ns	3.6	.	● °0^{38}-0^{49}, ●°10^{46}-10^{50}, ●°$^{-1}10^{59}$-15^{15}, ●°17^{51}-19^{41}
5	10	9	6	8.3	St	Sc,Cu	Cu,Ci	5.5	.	● °6^{10}-6^{40}; ●°7^{14}-7^{43}
6	10	10	7	9.0	Ns	Ns	Sc,Cs	25.6	.	●$^{-2}1^{51}$-7^{33}, ●°$^{-1}7^{33}$-12^{20}, ●$^{2}12^{20}$-12^{35}, ●°$^{-1}12^{35}$-14^{28}, ●°$^{-1}14^{48}$...15^{34}, ●°17^{02}-17^{30}, ●$^{1}23^{07}$-24^{00}; (R)°S 12^{52}-SE-E 16^{02}
7	10	10	1	7.0	Sc	Cb	Cu	3.5	.	●$^{1}0^{00}$-0^{32}, ●°10^{32}...11^{53}, ●$^{-2}11^{53}$-12^{40}, ●°13^{33}-14^{04}; ==^{1}19-np
8	10	7	6	7.7	St	Cu,Ac	Ac,Cu	4.8	.	● °7^{30}-7^{50}; ●°8^{45}-9^{33}, ●°12^{32}-12^{44}, ●$^{1}13^{20}$-13^{44}, ●°$^{-1}19^{36}$-20^{12}; (R)°SW 12^{49}-SSE-E 14^{07}
9	9	10	10	9.7	Sc,Ac	Sc,Cb	Sc,Cb	11.4	.	●°$^{-1}3^{31}$-4^{35}, ●°$^{-1}13^{16}$-13^{46}, ●°17^{33}...18^{33}, ●$^{1-2}18^{33}$-20^{27}; (R) °E 11^{18}-13^{07}, (R)°NE 17^{57}- R° 18^{25}-19^{40}- (R) °SW-np
10	10	8	10	9.3	St	Ac,Cu	Ns,Ac	6.6	.	● °2^{18}...6^{38}; ●°9^{15}-9^{36}, ●°13^{51}...15^{04}, ●°$^{-2}18^{19}$-24^{16}
11	0	9	4	4.3	.	Sc	Cu	.	.	
12	1	2	0	1.0	Ci	Cu	.	.	.	
13	0	2	10	4.0	.	Cu,Ci	Ci,Cs	0.8	.	⌓°n-5^{25}; ⌓'S 20^{20}-np
14	10	10	9	9.7	Sc	Sc,Cb	Sc	8.0	.	●°$^{-1}1^{10}$-2^{28}, ●°$^{-1}6^{25}$-8^{27}, ●°8^{39}-9^{00}, ●°12^{02}-12^{05}, ●°14^{57}-15^{42}
15	10	3	5	6.0	Sc	Cu	Ci	0.0	.	● °5^{05}-6^{33}, ●°8^{35}-8^{44}, ●°16^{08}-16^{17}
16	3	5	0	2.7	Ci,Cc,Cu	Cu	.	0.0	.	● °12^{48}-12^{55}
17	7	8	9	8.0	Sc,Ac	Sc	Sc	.	.	
18	10	10	10	10.0	As,Ac	Ac,Cu	Ac,As	0.2	.	● °6^{29}-7^{36}, ●°22^{31}...24^{00}
19	9	10	5	8.0	Ac,As,Ci,Cc	Cb	Cu,Ac,Ci	2.0	.	● °0^{00}...5^{17}, ●°7^{18}-7^{31}, ●°$^{-1}10^{08}$...12^{51} ●°14^{39}-14^{48}, ●°16^{15}-16^{40}
20	0	7	9	5.3	.	Ac,Cu,Ci	As,Ac	.	.	
21	0	10	10	6.7	.	Sc	Ns	14.4	.	● °$^{-1}11^{13}$-11^{43}, ●°$^{-2}13^{04}$-np
22	7	10	2	6.3	Cu	Sc	Ci,Ac	.	.	
23	10	10	6	8.7	Ac	As	Cu,Ac	0.3	.	⌓°n-7^{20}; ●°10^{40}-11^{01}, ●°12^{21}-13^{20}, ●°14^{18}-15^{45}
24	10	9	10	9.7	St	Cs,Cu	Cs,Ci,Ac	0.0	.	⌓'^{1} na-5^{10}; =$^{5}10$-$^{7}15$; ●°$^{7}32$-$^{8}40$
25	1	1	0	0.7	Ac	Ac	.	.	.	⌓°n-6^{10}
26	10	10	10	10.0	As,Cu	Cu,As	As	3.7	.	● °13^{55}...24^{00}
27	9	7	5	7.0	Sc	Sc	Cu	0.2	.	● °0^{00}-1^{17}, ●°14^{11}-14^{32}; ⌓'na; =na-5^{30}
28	0	3	1	1.3	.	Cu	Ci	.	.	⌓^{1} n-7
29	0	3	9	4.0	.	Cu	Sc,Ci,Ac	.	.	⌓°n-6^{40}
30	2	8	9	6.3	Ci	Ci,Cs,Cu	Ci,Cu	.	.	⌓°n-6^{15}; ⊕°11^{40}-12^{25}
31	1	6	10	5.7	Ac	Cu,Ci,Cc	Ns	18.5	.	●°$^{-1}17^{41}$-24^{00}
M	6.0	7.4	6.0	6.5				109.9*		*Le total mens - Monthly mean

Date	Pression barométrique Atmospheric pressure 900 (hPa) + ...				Température de l'air Air temperature [°C]								+5(cm)	Tension de la vapeur Vapour pressure (hPa)				Humidité relative Relative humidity (%)					Vent-direction et vitesse Wind velocity and direction (m/s)								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M
1	90.5	91.8	91.9	91.4	15.2	15.4	20.2	17.6	17.1	20.7	14.6	6.1	14.1	17.1	18.7	18.9	18.2	97	98	79	94	92	E	2	ENE	2	NNW	1	1.7
2	91.1	92.5	93.9	92.5	17.5	17.2	21.4	18.4	18.6	21.8	16.7	5.1	15.9	18.6	17.9	19.7	18.7	96	95	70	93	88	ENE	1	SSE	2	C	0	1.0
3	95.3	95.9	96.5	95.9	14.8	15.4	22.6	19.5	18.1	23.7	14.7	9.0	12.3	17.1	16.8	18.8	17.6	96	98	61	83	84	C	0	S	1	S	1	0.7
4	99.4	101.7	103.0	101.4	16.7	17.4	18.1	16.9	17.3	19.5	16.3	3.2	14.4	18.4	19.7	17.6	18.6	94	93	95	92	94	WSW	1	WSW	2	WSW	2	1.7
5	105.1	104.1	103.0	104.1	15.0	15.5	21.4	19.2	17.8	22.6	11.7	10.9	8.8	16.5	16.7	19.7	17.6	95	94	65	88	86	WSW	1	SSW	1	C	0	0.7
6	105.2	105.6	105.3	105.4	12.0	16.0	24.4	19.8	18.0	25.1	9.7	15.4	6.9	16.4	14.7	18.6	16.6	92	90	48	80	78	C	0	W	1	C	0	0.3
7	106.8	105.6	104.0	105.5	13.7	15.7	22.0	19.1	17.6	23.6	11.1	12.5	8.3	14.4	15.8	17.1	15.8	92	81	60	77	78	ESE	1	E	2	C	0	1.0
8	104.8	104.0	103.7	104.2	11.4	15.4	23.7	18.6	17.3	24.9	8.7	16.2	6.0	14.7	10.7	15.0	13.5	96	84	37	70	72	C	0	N	1	C	0	0.3
9	105.2	104.8	104.5	104.8	11.6	16.5	26.1	19.8	18.5	26.6	9.5	17.1	6.2	16.8	14.2	17.4	16.1	94	90	42	75	75	NE	1	N	1	C	0	0.7
10	105.3	105.4	107.3	106.0	15.8	18.6	25.8	17.7	19.5	26.6	15.8	10.8	12.7	18.9	18.3	19.2	18.8	92	88	55	95	82	ENE	1	N	2	S	2	1.7
11	103.2	102.8	101.8	102.6	15.8	18.9	26.2	21.6	20.6	26.7	15.2	11.5	13.7	20.3	23.1	22.6	22.0	94	93	68	87	86	E	2	SSW	2	C	0	1.3
12	103.1	104.2	104.4	103.9	18.4	17.7	22.9	19.9	19.7	23.6	15.2	8.4	12.7	18.2	20.0	20.2	19.5	91	90	72	87	85	C	0	W	1	C	0	0.3
13	104.5	103.5	103.0	103.7	15.6	17.8	24.7	17.6	18.9	25.5	14.2	11.3	11.7	19.4	18.8	19.5	19.2	93	93	60	97	86	N	1	N	1	NNE	1	1.0
14	102.1	101.8	101.7	101.9	16.6	16.8	17.6	16.9	17.0	19.5	16.4	3.1	15.7	18.7	19.7	17.8	18.7	97	98	98	93	96	N	1	NW	1	NNW	1	1.0
15	102.0	104.0	106.9	104.3	15.2	13.8	13.8	12.7	13.9	16.9	12.7	4.2	12.3	15.2	13.6	14.3	14.4	96	97	86	98	94	NNW	2	NNW	3	NNW	2	2.3
16	109.0	109.6	109.9	109.5	11.6	11.4	14.0	12.6	12.4	15.1	11.4	3.7	10.8	13.1	13.8	13.5	13.5	98	98	86	93	94	N	1	N	2	N	1	1.3
17	109.5	109.3	108.2	109.0	11.3	12.5	17.6	12.6	13.5	18.0	10.8	7.2	8.7	12.3	9.7	11.9	11.3	99	85	48	81	78	NNW	1	S	1	C	0	0.7
18	106.6	103.0	101.0	103.5	5.9	11.5	20.3	15.9	13.4	21.0	4.5	16.5	2.0	11.2	8.6	11.6	10.5	91	83	36	64	68	SSE	1	ESE	3	ENE	2	2.0
19	95.4	91.3	87.5	91.4	13.0	12.4	13.2	11.6	12.6	15.9	11.6	4.3	11.0	14.0	14.5	13.1	13.9	93	98	93	96	96	ENE	1	ENE	2	NE	5	2.7
20	93.9	96.5	98.4	96.3	11.1	11.7	17.5	12.4	13.2	18.1	10.7	7.4	10.0	13.1	11.2	13.0	12.4	97	95	56	90	84	E	2	NE	1	C	0	1.0
21	96.2	95.4	93.4	95.0	10.0	13.4	17.4	14.2	13.8	18.1	8.7	9.4	6.0	13.6	14.8	13.0	13.8	99	88	74	80	85	ESE	1	SE	1	SE	1	1.0
22	86.0	83.9	83.7	84.5	12.9	11.5	12.4	12.5	12.3	14.2	11.5	2.7	11.2	13.1	14.0	14.3	13.8	90	96	98	99	96	ESE	2	NE	3	NE	2	2.3
23	85.1	89.9	94.2	89.7	12.4	11.9	11.8	11.6	11.9	12.7	11.6	1.1	11.0	13.8	13.7	13.5	13.7	99	99	99	99	99	N	2	N	2	N	2	2.0
24	103.5	104.3	104.8	104.2	9.7	10.8	17.7	12.6	12.7	19.6	9.2	10.4	7.5	13.0	9.5	13.5	12.0	99	100	47	93	85	NE	1	N	1	C	0	0.7
25	106.5	106.4	106.4	106.4	6.7	9.2	19.3	12.6	12.0	20.5	4.8	15.7	2.1	11.6	11.0	12.5	11.7	99	100	49	86	84	C	0	C	0	C	0	0.0
26	108.5	107.4	107.1	107.7	6.1	11.4	21.2	14.4	13.3	21.5	5.2	16.3	2.3	12.5	10.6	12.8	12.0	96	93	42	78	77	SSE	1	S	2	E	1	1.3
27	106.1	105.0	104.8	105.3	10.1	13.6	21.9	17.3	15.8	23.5	8.8	14.7	4.5	12.1	15.7	16.6	14.8	92	77	60	83	78	SSE	2	SSE	2	SSE	1	1.7
28	103.1	105.4	106.8	105.1	13.9	14.8	15.8	13.9	14.6	18.0	13.0	5.0	9.9	15.9	17.0	15.2	16.0	92	94	95	93	94	NNW	1	NNW	2	C	0	1.0
29	109.7	110.4	111.0	110.4	10.6	11.6	22.4	15.5	15.0	23.1	9.0	14.1	7.0	13.6	15.3	15.0	14.7	98	100	57	85	85	NW	1	W	2	C	0	1.0
30	110.3	109.9	107.6	109.3	10.3	13.8	24.4	18.1	16.6	25.1	8.8	16.3	5.9	14.9	14.7	16.1	15.2	95	94	48	78	79	ESE	1	SSE	2	ESE	1	1.3
31	107.2	106.7	106.5	106.8	15.7	16.2	25.5	19.5	19.2	26.0	13.0	13.0	9.4	13.7	15.3	16.4	15.1	76	74	47	72	67	SSE	2	SSE	2	ESE	1	1.7
M	101.9	102.0	102.0	102.0	12.8	14.4	20.1	16.2	15.9	21.2	11.5	9.7	9.4	15.2	15.1	16.1	15.5	94	92	66	86	85	1.1		1.6		0.9		1.2

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6h	12h	18h	M	6h	12h	18h			
1	10	9	10	9.7	St	Sc	Ns	12.7	.	●$^{1-2}0^{00}$-3^{12}, ●$^{0}16^{04}$-16^{32}, ●$^{0-1}1[illegible]^{10}$-np; ❟$^{0}4^{26}$-7^{36}; = na-7
2	10	9	7	8.7	Sc	Ac,Cu	Sc,Cb,Ac	1.4	.	●$^{0-1}$na, ●$^{0-1}7^{08}$...12^{47}, ●$^{0-1}14^{50}$-15^{57}; (R)^{0}S 14^{50}-S 15^{27}
3	10	9	9	9.3	St	Sc	Sc	0.0	.	≡^{0}na-5, = 5-6^{30}
4	10	10	10	10.0	Sc	Cu,As	As,Cu	3.1	.	●$^{0}4^{34}$...5^{26}, ●$^{0}5^{56}$-6^{54}, ●$^{0-1}9^{18}$-10^{37}, ●$^{0-1}13^{01}$...15^{01}, ●$^{0}18^{45}$...19^{29}; ❟$^{0}7^{05}$-7^{53}; (R)^{0}NE 9^{50}-NE 10^{39}
5	5	10	2	5.7	Cu	Sc,Cb,As	Ci,Ac	0.3	.	●$^{0}12^{04}$-12^{34}; ≡ 18^{00}-np
6	0	9	0	3.0		Ac,As,Cu	.	.	.	= n-6^{10}, ≡ 18^{05}-np
7	7	6	1	4.7	Ac,As,Sc	Ac,As	Ac,Ci	.	.	
8	1	1	2	1.3	Ci	Cu	Ci	.	.	⌓^{0}n-6^{40}
9	2	2	10	4.7	Ci	Ci	Cs	0.2	.	⌓^{0}n-6^{15}
10	8	9	10	9.0	Ac,As	As	Cb	6.0	.	●$^{0}3^{08}$-3^{20}, ●$^{0}14^{26}$-14^{40}, ●$^{0-1}17^{10}$-18^{40}; (R)^{0}S 15^{50}-15^{55}, (R)^{0}W 16^{55}-N-NE 19^{20}
11	4	5	9	6.0	Ci	Cu,Ci	Ac,As	0.2	.	●$^{0-1}$na, ●$^{0}13^{30}$-13^{57}; ⌓$^{0}17^{50}$-np
12	5	5	4	4.7	Ac,As	Cu	Ci	.	.	⌓^{0}n-7
13	6	9	10	8.3	Ci,Cu	Cs,Cc,Cu	Sc	4.1	.	⌓^{1} n-7; (R)^{1}N 13^{36}-E-S 17^{22}; ●$^{0-1}15^{23}$-17^{26}, ●$^{0}23^{50}$-24^{00}
14	10	10	9	9.7	St	Ns	Ac,Sc	13.2	.	= na-7^{40}; ●$^{0}0^{00}$-0^{58}, ●$^{0}6^{30}$-7^{40}, ●$^{0-1}8^{35}$-12^{37}, ●$^{0}13^{16}$-13^{31}, ●$^{0}16^{36}$-16^{42}, ●$^{0}18^{26}$-np; (R)^{0}N 9^{35}-NE 11^{36}
15	10	10	10	10.0	Sc	Ns	Ns	4.0	.	●$^{0-1}$na, ●$^{0}6^{40}$...7^{52}, ●$^{0}9^{45}$...np
16	10	10	10	10.0	St	As,Ac,Cu	Sc	0.1	.	●$^{0-1}$na; ❟$^{0}6^{23}$-6^{45}, ❟$^{0}7^{23}$-9^{13}
17	4	4	1	3.0	Ac	Cu	Ci	.	.	⌓$^{0}17^{50}$-np
18	0	2	10	4.0	.	Ci	Cs,Ac	14.5	.	⌓^{1} n-6^{50}; ●$^{0-1}19^{55}$-24^{00}
19	10	10	10	10.0	Ns	Ns	Ns	45.4	.	●$^{0-1}0^{00}$-7^{32}, ●$^{0}9^{55}$...10^{30}, ●$^{0-2}10^{30}$-24^{00}
20	10	8	1	6.3	As	Sc	Cu,Cc,Ci	.	.	●$^{0-1}0^{00}$-2^{20}; ≡ 17^{55}-np; ⌓^{1} 17-np
21	10	10	7	9.0	Ac	Sc,Cb	Ci,Ac	6.2	.	⌓^{1} n-7^{30}; ●$^{0}12^{01}$-12^{08}
22	10	10	10	10.0	Ns	Ns	Ns	36.4	.	●$^{1}2^{13}$-8, ●$^{1-2}$8-15, ●$^{0-1}$15-24
23	10	10	10	10.0	Ns	St	Sc	3.8	.	●$^{0-1}0^{00}$-10^{55}, ●$^{0}14^{20}$-17^{48}; ❟$^{1}10^{55}$-14^{20}
24	10	5	9	8.0	Sc	Cu	Cs,Ci	.	.	= 17^{40}-np
25	5	8	1	4.7	Ac,As	Sc,Ac	Ac	.	.	= n-5^{50}; ⌓^{0}n-6^{30}
26	1	5	4	3.3	Ci	Ci,Cu	Ci	.	.	⌓^{1} n-7^{40}, ⌓$^{0}17^{30}$-np; ⊖$^{0}7^{45}$-9^{17}
27	5	8	9	7.3	Ci,Cs	Ci,Cs	Cs,Ci	0.0	.	⌓^{0}n-6^{30}
28	10	10	4	8.0	Sc	Ns	Ci,Ac	0.2	.	●$^{0}5^{55}$-6^{15}, ●$^{0}7^{32}$...9^{43}, ●$^{0}10^{30}$-12^{17}; ≡ 17^{20}-18^{15}
29	10	1	1	4.0	Ac	Cu	Cu	.	.	≡^{2} na-6^{20}, ≡$^{1-0}6^{20}$-6^{35}, = 6^{35}-7^{00}
30	0	2	0	0.7	.	Cu	.	.	.	≡^{1} na, = na-5^{40}
31	0	1	1	0.7	.	Ci	Ci	.	.	
M	6.5	7.0	6.2	6.6				151.8*		*Le total mens - Monthly mean

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]								Tension de la vapeur Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	5[cm] Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M	
1	105.5	105.5	107.6	106.2	15.7	15.4	25.9	20.5	19.4	26.4	12.3	14.1	8.4	14.3	17.8	17.6	16.6	81	82	53	73	72	SE	2	SSE	3	SSE	1	2.0
2	107.5	107.3	107.5	107.4	16.3	16.7	25.5	19.9	19.6	26.6	12.7	13.9	7.9	16.1	19.9	20.2	18.7	90	83	61	87	81	SSE	1	S	3	C	0	1.3
3	107.0	107.2	106.7	107.0	15.5	16.5	26.1	18.8	19.2	27.1	12.7	14.4	8.9	16.4	13.4	17.8	15.9	93	88	39	82	76	SSE	2	SSE	1	C	0	1.0
4	107.8	107.7	110.0	108.5	15.7	16.2	26.3	19.4	19.4	26.8	13.1	13.7	8.9	14.8	16.0	18.9	16.6	87	80	47	84	74	SSE	2	SSW	2	NNW	2	2.0
5	113.4	112.9	112.2	112.8	14.5	15.6	18.0	15.9	16.0	20.4	14.5	5.9	11.3	15.6	16.4	16.5	16.2	94	88	79	91	88	N	1	NNE	2	C	0	1.0
6	113.2	113.1	111.7	112.7	12.0	15.1	21.5	16.5	16.3	22.0	11.6	10.4	8.4	16.8	18.5	18.8	17.4	98	98	72	90	90	C	0	SSW	2	C	0	0.7
7	108 3	107 9	108 0	108.1	13.6	14.6	22.5	17.2	17.0	24.4	13.4	11.0	9.9	16.4	17.7	18.8	17.6	97	99	65	96	89	S	1	W	2	WSW	1	1.3
8	107 5	108 3	106.4	107.4	16.6	12.6	14.8	12.2	14.0	17.2	12.2	5.0	9.9	13.9	12.7	12.8	13.1	97	95	75	90	89	NNW	2	W	1	C	0	1.0
9	98 3	99.3	102.8	100.1	11.8	11.2	12.0	10.7	11.4	12.5	10.7	1.8	9.8	13.0	13.7	12.7	13.1	93	97	98	99	97	NNE	2	NNW	2	NW	1	1.7
10	107 8	108 1	107.9	107.9	8.4	8.4	12.1	7.0	9.0	12.8	7.0	5.8	3.5	10.7	9.6	9.1	9.8	100	57	68	91	89	W	3	W	3	C	0	2.0
11	105 0	104.3	104.6	104.6	4.7	8.4	11.6	10.2	8.7	12.7	4.2	8.5	1.0	10.4	12.1	12.3	11.6	100	94	89	99	96	S	2	SW	1	SSW	1	1.3
12	102.8	100.9	100.6	101.8	12.1	15.2	20.6	18.8	16.7	22.0	10.2	11.8	9.4	16.7	16.9	14.6	16.1	95	97	70	87	82	WSW	2	SW	4	WSW	3	3.0
13	111.7	113.6	115.4	113.6	12.3	6.8	14.2	7.1	10.6	18.8	7.1	11.7	5.5	9.0	7.0	8.6	8.2	69	86	43	85	69	W	1	NW	4	WSW	1	2.0
14	115.7	112.7	108.7	111.4	5.7	7.2	13.2	8.8	8.7	14.0	4.9	9.1	0.6	8.8	8.1	10.1	9.0	97	87	54	89	82	W	2	WSW	3	SSW	2	2.3
15	96.7	95.3	93.1	95.0	12.6	12.2	13.6	9.4	12.0	15.0	8.5	6.5	7.5	11.3	8.8	9.0	9.7	70	80	56	76	70	W	2	W	5	WSW	1	2.7
16	93.2	94.2	97.9	95.1	7.6	6.6	10.8	6.5	7.9	12.4	6.4	6.0	4.0	9.2	9.1	8.1	8.8	76	94	70	84	81	W	2	NW	3	W	1	2.0
17	101.8	104.5	107.5	104.6	3.7	5.1	13.2	4.6	6.6	14.0	3.0	11.0	0.7	8.2	9.2	8.1	8.5	99	94	61	95	87	W	2	W	2	C	0	1.3
18	112.5	112.6	112.5	112.5	0.1	0.7	12.6	5.4	4.7	13.4	-0.7	14.1	-3.3	6.4	7.7	8.0	7.4	98	100	53	89	85	C	0	NE	1	C	0	0.3
19	113.0	112.6	111.8	112.5	1.6	2.7	12.9	9.3	6.6	13.4	0.4	13.0	-2.5	7.2	7.0	10.0	8.1	94	96	47	85	80	NNE	1	ENE	1	C	0	0.7
20	110.8	110.8	110.3	110.6	8.5	6.4	13.6	8.4	9.7	13.9	7.5	6.4	5.1	10.1	9.1	9.8	9.7	89	92	58	89	82	C	0	N	2	C	0	0.7
21	105.0	102.0	97.2	101.4	6.8	9.4	9.4	8.8	8.6	11.9	6.8	5.1	4.0	9.0	11.2	11.0	10.4	94	76	95	97	90	ENE	1	NE	1	N	2	1.3
22	95.9	98.7	101.4	98.7	8.2	8.2	9.2	9.2	8.7	9.7	8.2	1.5	7.8	10.7	11.6	11.6	11.3	98	99	100	100	99	NW	1	WNW	1	NW	2	1.3
23	106.9	107.5	109.0	107.8	9.3	9.6	12.0	8.8	9.9	13.5	8.8	4.7	5.2	12.0	11.7	9.8	11.2	100	100	63	86	82	NNW	1	C	0	C	0	0.3
24	112.6	112.4	114.1	113.0	1.7	0.5	10.4	3.1	3.9	11.2	-0.7	11.9	-4.1	6.1	8.2	7.0	7.1	99	96	65	91	88	C	0	C	0	C	0	0.0
25	117.1	117.9	119.5	118.2	0.6	1.6	10.8	4.0	4.2	11.4	-0.7	12.1	-4.5	6.5	5.8	7.3	6.5	97	94	45	90	82	E	1	ENE	2	ENE	1	1.3
26	121.6	121.7	122.8	122.0	-0.3	-0.3	9.8	2.2	2.8	10.7	-1.6	12.3	-5.5	5.8	4.8	6.1	5.6	97	98	39	86	80	E	1	ESE	2	C	0	1.0
27	124.0	124.6	125.5	124.7	-2.4	0.9	9.5	1.9	2.5	10.3	-2.7	13.0	-6.5	6.3	5.1	6.1	5.8	96	96	43	87	80	C	0	E	2	C	0	0.7
28	124.9	123.5	121.2	123.2	-3.0	-3.5	10.2	4.1	2.0	11.2	-4.7	15.9	-7.9	4.7	5.2	5.8	5.2	97	99	41	71	77	C	0	S	2	SSE	1	1.0
29	115 8	112.9	111.2	113.3	0.8	0.7	11.3	10.1	5.7	12.3	-0.4	12.7	-2.5	5.5	7.2	8.8	7.2	82	86	54	71	73	SSE	2	SSW	2	S	2	2.0
30	107 1	102 9	101 4	103.8	9.1	9.8	14.7	11.2	11.2	15.0	9.0	6.0	7.0	10.8	11.2	12.3	11.4	89	90	67	92	84	SSW	1	SW	3	SE	1	1.7
M	109 0	108 8	108 8	108 9	8.0	8.5	14.9	10.3	10.4	16.1	6.5	9.6	3.6	10.8	11.1	11.5	11.1	92	92	63	87	84	1.3		2.1		0.8		1.4

Septembre - September 1977

TMGr - GMT

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	4	2	1	2.3	Ci,Cs	Ci	Ci	.	.	
2	0	1	5	2.0	.	Ci,Cc	Cs	.	.	$\triangle^{o}$ n-5^{40}; = 18^{15}-np
3	0	0	0	0.0	.	.	.	.	.	$\triangle^{1}$ n-6^{35}, $\triangle^{o}18^{17}$-nf
4	0	0	8	2.7	.	.	Cs	.	.	$\triangle^{1}$ n-6^{30}
5	10	10	0	6.7	St	Sc	.	.	.	= 17^{15}-np
6	10	8	1	6.3	St	Cu,Ci	Ci	.	.	= n-6^{45}, = 17^{10}-np; $\oplus^{o}11^{07}$-11^{50}
7	6	10	10	6.7	Ci,Cs	As,Ac,Cb	Sc	8.3	.	= n-8^{40}, = 15-nf; $\bullet^{o}11^{09}$-11^{11}, $\bullet^{o}12^{01}$-12^{08}, $\bullet^{o-1}12^{33}$-14^{58}, $\bullet^{2}23^{06}$-24^{00}
8	10	10	9	9.7	Sc	St	Cs,Cc,Ac	5.7	.	$\bullet^{2}0^{00}$-0^{14}, $\bullet^{o}2^{16}$...2^{47}, $\bullet^{o}5^{44}$-5^{50}, $\bullet^{o}19^{13}$-20^{12}
9	10	10	10	10.0	Ns	Ns	As,Sc	4.1	.	$\bullet^{o-1}0^{42}$...6^{40}, $\bullet^{o}10^{20}$...17^{07}, $\bullet^{o}19^{00}$-19^{41}; $\varphi^{o}6^{40}$-8^{47}
10	6	10	1	5.7	Sc	As,Cu	Cc	0.5	.	$\bullet^{1}12^{48}$-13^{09}; $\triangle^{1}$17-np
11	10	10	10	10.0	Sc	Sc	As,Ac	1.5	.	$\bullet^{o}0^{18}$-1^{13}, $\bullet^{o}6^{10}$-6^{40}; $\varphi^{o}13^{38}$...15^{03}; $\bullet^{o-1}22^{10}$...24^{00}
12	10	8	10	9.3	St	Cu	As,Sc	0.2	.	$\bullet^{o-1}0^{00}$...5^{27}, $\bullet^{o}18^{17}$-18^{47}
13	0	6	1	2.3	.	Cu	Cu	.	.	
14	2	10	10	7.3	Ci	Cs,Cu	Ns	2.8	.	$\triangle^{o}$ n-6^{45}; $\bullet^{o}16^{30}$-19^{23}, $\bullet^{o}21^{55}$...24^{00}
15	7	9	1	5.7	Cu,Ac	Sc	Cu	0.2	.	$\bullet^{o}0^{00}$...4^{50}, $\bullet^{o}6^{25}$-6^{30}
16	7	8	1	5.3	Ci,Ac,Cu	Cb,Sc	Ci	0.8	.	$\bullet^{o}4^{58}$-5^{51}, $\bullet^{o}9^{17}$...11^{12}, $\bullet^{o}11^{38}$...15^{42}
17	2	5	3	3.3	Cu	Cu	Ci	0.6	.	$\bullet^{o}11^{10}$-11^{20}, $\bullet^{o}13^{59}$...14^{05}, $\bullet^{o}14^{32}$-15^{25}; = $^{o-1}17^{45}$-np
18	3	3	2	2.7	Cs	Cu	Cu	.	.	$\blacksquare^{1}$ n-6^{20}, $^{o}6^{20}$-7^{05}; $\frown^{1}$ n-6^{15}
19	3	8	10	7.0	Ci	Ac,As	Sc	0.0	.	$\frown^{1}$ n-6^{15}; $\bullet^{o}14^{01}$-14^{03}, $\bullet^{o}15^{50}$-16^{27}, $\bullet^{o}16^{47}$-17^{15}
20	10	9	9	9.3	Ac	Ac,Cu	Ac,Cu	.	.	
21	10	10	10	10.0	As	Ns	Ns	29.6	.	$\bullet^{o-2}10^{25}$-24^{00}
22	10	10	10	10.0	Ns	Ns	Ns	5.8	.	$\bullet^{o-2}0^{00}$-8^{15}, $\bullet^{o}8^{15}$...24^{00}
23	10	9	5	8.0	St	Ac,Cu	Ac	.	.	$\bullet^{o}0^{00}$...5^{09}; = n-6^{35}
24	0	6	0	2.0	.	Cu,Sc,Ci	.	.	.	$\frown^{1}$ n-6^{30}
25	0	2	4	2.0	.	Cu	Cu	.	.	$\frown^{1}$ n-5^{40}
26	1	8	0	3.0	Cu	Sc	.	.	.	$\frown^{2}$ n-6^{10}
27	9	8	0	5.7	Ac,Sc	Sc,Ci	.	.	.	
28	0	0	0	0.0	.	.	.	.	.	$\frown^{1}$ n-7^{50}
29	7	10	10	9.0	Ac,Sc	As,Ac	As,Ac	0.0	.	$\frown^{o}$ n-6^{05}; $\bullet^{o}11^{55}$-12^{15}, $\bullet^{o}15^{07}$-15^{13}
30	10	10	10	10.0	As	As,Cu	Ns	1.3	.	$\bullet^{o}$ns-6^{29}, $\bullet^{o}12^{52}$-15^{04}, $\bullet^{o}15^{34}$-np
M	5.6	7.0	5.0	5.9				61.4*		*Le total mens - Monthly mean

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]								+5[cm]	Tension de la vapeur Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]								
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M
1	94.0	90.0	89.2	91.1	11.5	11.2	11.3	8.4	10.6	14.0	8.4	5.6	5.3	11.3	12.1	9.8	11.1	87	85	90	89	88	SSW	1	SW	4	SW	3	2.7
2	90.1	92.3	92.4	91.6	7.5	7.8	9.2	7.4	8.0	9.7	7.2	2.5	5.1	8.1	8.6	9.1	8.6	84	76	74	88	80	SW	2	SSW	1	S	1	1.3
3	94.4	98.1	101.0	97.8	6.2	6.3	10.1	3.3	6.5	10.4	3.3	7.1	0.7	9.0	10.0	7.3	8.8	89	94	81	95	90	SSW	1	WNW	1	C	0	0.7
4	103.7	104.5	104.5	104.2	3.2	6.8	9.9	6.2	7.0	11.0	2.0	9.0	-1.4	9.6	9.8	10.3	9.9	100	97	81	94	93	WSW	2	WSW	1	C	0	1.0
5	100.5	100.2	100.7	100.5	7.4	7.4	11.8	11.8	9.6	13.2	7.1	6.1	4.7	10.3	11.8	13.2	11.8	97	100	85	95	94	S	1	S	1	C	0	0.7
6	100.9	98.8	98.6	99.4	8.3	8.8	18.5	13.0	12.2	19.5	7.2	12.3	3.0	11.2	13.5	13.4	12.7	98	99	63	89	87	SSE	2	SSE	1	SSE	1	1.3
7	99.8	99.7	100.2	99.9	8.7	8.8	20.8	12.3	12.6	21.4	7.7	13.7	3.9	11.0	12.8	13.1	12.3	95	97	52	92	84	SSE	1	SSE	2	C	0	1.0
8	100.7	100.0	99.4	100.0	8.3	8.8	21.4	13.7	13.0	21.5	7.2	14.3	2.5	11.2	14.3	14.1	13.2	96	99	56	90	85	SE	1	SE	2	ENE	1	1.3
9	101.9	102.8	102.7	102.5	11.0	9.7	20.7	14.3	13.9	21.0	8.0	13.0	2.7	11.6	13.1	13.2	12.6	93	96	54	81	81	E	2	ESE	3	ESE	2	2.3
10	103.4	102.1	102.5	102.7	10.9	9.9	19.9	12.6	13.3	20.0	9.7	10.3	7.2	11.1	11.5	12.2	11.6	89	91	49	84	78	SE	2	SE	2	ESE	1	1.7
11	102.6	104.6	104.8	104.7	9.8	9.1	14.9	12.9	11.7	16.5	9.1	7.4	6.0	10.9	14.9	14.3	13.4	91	95	88	96	92	SSE	1	SSW	1	WSW	1	1.0
12	112.2	111.8	113.4	112.5	10.4	9.2	14.7	8.7	10.8	16.7	8.2	8.5	4.0	11.6	11.2	10.3	11.0	96	100	67	92	89	NNW	1	C	0	C	0	0.3
13	113.0	111.5	110.6	111.7	7.7	8.7	16.5	9.4	10.6	17.6	6.2	11.4	2.7	10.8	11.6	11.2	11.2	97	96	62	95	88	SSE	1	SW	1	C	0	0.7
14	113.4	114.0	114.2	113.9	7.0	7.6	9.2	8.8	8.2	10.0	6.7	3.3	2.3	10.1	10.1	10.7	10.3	98	97	87	95	94	WNW	2	NW	1	W	1	1.3
15	116.6	117.4	119.1	117.7	7.2	5.2	9.2	2.5	6.0	9.7	2.5	7.2	-0.6	8.7	7.0	6.0	7.2	95	98	60	82	84	NNE	1	N	2	ENE	1	1.3
16	120.6	119.5	116.8	119.0	-2.8	-2.4	9.2	0.9	1.2	9.7	-3.4	13.1	-7.1	4.9	5.1	5.5	5.2	98	96	44	85	81	E	1	SSE	2	C	0	1.0
17	115.0	113.1	113.3	113.8	-2.5	-3.2	10.6	2.5	1.8	11.1	-3.3	14.4	-7.5	4.7	6.9	6.5	6.0	94	97	54	89	84	SSE	1	SW	1	C	0	0.7
18	113.1	111.2	110.3	111.5	-1.3	-1.7	12.2	2.7	3.0	13.7	-1.4	15.1	-5.5	5.3	10.0	7.0	7.4	97	98	71	95	90	S	1	S	1	C	0	0.7
19	109.9	109.7	112.1	110.6	1.3	-0.9	14.2	7.1	5.4	14.5	-1.2	15.7	-6.5	5.7	10.2	9.5	8.5	98	100	63	94	86	C	0	WSW	2	N	1	1.0
20	116.7	118.1	118.9	117.9	6.2	5.8	8.0	7.9	7.0	8.4	5.7	2.7	5.0	8.9	8.2	8.4	8.5	95	97	76	79	86	C	0	SE	1	SE	1	0.7
21	118.9	117.4	116.7	117.7	7.8	3.5	12.4	4.4	7.0	12.6	3.2	9.4	-2.8	7.2	8.0	7.5	7.6	68	91	56	90	76	ESE	1	SE	2	ESE	1	1.3
22	115.3	112.9	113.1	113.8	2.4	1.6	14.8	7.2	6.5	15.0	1.5	13.5	-3.0	6.9	10.4	9.4	8.9	97	100	62	93	88	SSE	2	S	1	SSE	1	1.3
23	113.1	112.8	113.2	113.0	4.5	2.9	16.9	8.2	8.1	17.0	2.8	14.2	-1.3	7.4	12.8	10.3	10.2	94	98	66	94	88	C	0	C	0	C	0	0.0
24	114.6	115.5	116.6	115.6	6.5	5.8	14.4	8.2	8.7	14.7	5.4	9.3	1.1	9.2	13.5	10.6	11.1	96	100	82	97	94	C	0	WSW	1	C	0	0.3
25	116.7	116.1	115.3	116.0	5.3	6.9	9.9	9.3	7.8	10.5	5.1	5.4	2.5	9.9	12.2	11.7	11.3	98	100	100	100	100	S	1	S	1	S	1	1.0
26	116.2	116.9	116.4	116.5	9.0	5.2	11.6	10.3	10.0	12.0	8.9	3.1	8.4	11.5	11.5	11.7	11.6	100	99	84	94	94	WNW	1	WSW	2	WSW	1	1.3
27	115.6	115.1	114.8	115.2	9.8	8.7	11.0	8.7	9.6	11.3	8.7	2.6	7.0	9.6	9.3	9.4	9.4	95	85	71	84	84	C	0	W	1	C	0	0.3
28	114.4	113.0	113.7	113.7	6.0	7.3	12.8	11.0	9.3	13.0	5.2	7.8	0.1	9.2	10.4	11.2	10.3	100	90	70	85	86	SSE	1	SSE	2	S	1	1.3
29	113.0	113.8	115.6	114.1	9.3	9.2	10.1	8.9	9.4	11.2	9.1	2.1	7.4	11.0	11.2	10.3	10.8	92	95	91	90	92	C	0	WNW	2	C	0	0.7
30	116.6	115.7	115.0	115.8	7.8	7.0	11.6	9.4	9.0	13.1	7.0	6.1	5.3	9.7	10.4	10.8	10.3	92	97	76	92	89	C	0	S	1	C	0	0.3
31	113.6	111.5	110.0	111.7	5.9	7.6	10.8	9.2	8.4	10.9	5.7	5.2	1.6	10.1	11.0	10.4	10.5	100	97	85	89	93	ESE	1	SE	2	ESE	2	1.7
M	109.4	108.0	109.3	109.2	6.5	6.2	13.2	8.5	8.6	13.9	5.1	8.8	1.7	9.3	10.8	10.3	10.1	94	95	71	91	88	1.0		1.5		0.7		1.1

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	10	10	10	10.0	As,Ac	Ns	Ns	4.3	.	●°8^{41}-11^{31}, o-¹$11^{31}$-17^{57}, ●°20^{19}... 24^{00}
2	10	10	10	10.0	Ns	Ns	Sc	2.6	.	●°0^{00}...7^{00}, ●o-¹$10^{30}$...16^{32}
3	10	7	3	6.7	As	Sc,Cu	Cu,Ac	3.0	.	●°1^{32}...3^{38}, ●°5^{20}-5^{23}, ●o-¹$8^{45}$-10^{20}, ●¹$12^{20}$-12^{50}
4	10	9	10	9.7	Sc	Cl,Cs,Cu	St	2.2	.	●o-¹ ns; ●o-¹ 11^{20}-11^{32}, ●° 12^{28}. 12^{33}; ● °14^{34}... 22^{51}
5	10	10	10	10.0	As,Ac	As,Ac	Ns	0.2	.	●°1^{21}...3^{56}, ●°9^{03}-10^{29}, ●°16^{10}-16^{31}, ●°16^{57}-17^{22}; ●°11^{25}-11^{35}
6	7	6	8	7.0	Sc,Cu	Ac	Ac	.	.	= n-7^{10}; ≏°17-np
7	0	0	0	0.0	.	.	.	.	.	≏² n,9; = ns-7, == 17^{30}-np
8	0	0	0	0.0	.	.	.	.	.	= n-6^{25}; ≏¹n-7^{20}
9	0	0	0	0.0	.	.	.	.	.	≏°n-7^{15}
10	0	0	0	0.0	.	.	.	.	.	≏°n-7
11	10	10	10	10.0	As,Ac	As	Ns	1.0	.	●°11^{39}-20^{40}
12	9	5	10	8.0	Ac,Cu	Sc,Cu	As	.	.	= n-7^{45}
13	10	10	5	8.3	As	Sc	As	.	.	= 17^{30}-21^{10}; =² 21^{10}-23^{00}
14	10	10	10	10.0	St	Sc	Sc	.	.	= n-7^{25}
15	10	3	0	4.3	Sc	Cu	.	.	.	≏°n-6^{40}
16	3	0	C	1.0	Cl	.	.	.	.	⌣¹ n-7^{40}, ⌣°17^{15}-np
17	1	1	0	0.7	Cl	Cl	.	.	.	⌣¹ n-7; = 16^{50}-np; =²$23^{00}$-24^{00}
18	10	0	0	3.3	St	.	.	.	.	=² 0^{00}-6, =²6-8^{30}, =¹$8^{30}$-9^{10}, =°9^{10}-9^{50}, =² 16^{40}-np; = 9^{30}-12^{15}; ⌣¹n-8^{15}
19	0	0	10	3.3	.	.	As	.	.	=¹ n-7^{30}; = 7^{30}-11^{40}; ⌣¹n-7^{45}
20	10	10	10	10.0	St	Sc	St	.	.	= n-7^{35}
21	1	1	0	0.7	Cl	Cl	.	.	.	⌣°17-np; = 15^{25}-np
22	1	8	1	3.3	Ac	Cl,Cs	Cl	.	.	=¹ n-7^{10}; = 7^{10}-11^{40}, = 14-np; ⌣¹n-7; ≏°17^{30}-np
23	3	9	3	5.0	Ac,As,Cl	Ac,As	Cl,Cs	.	.	=¹ n-6^{40}; = 6^{40}-9, = 15^{30}-np; ⌣°n-6^{30}
24	10	10	6	8.7	Cl,Cs	St	Cl,Cc	.	.	=¹-°n-7; =°17^{15}-19; =¹19-np; = 7-17^{15}; ⌀°17^{45}-np
25	10	10	10	10.0	=²	=¹	=²	0.0	.	=² n-11^{20}, =¹$11^{20}$-16^{15}, =²$16^{15}$-20^{00}, =°20^{00}-22^{00}
26	10	10	10	10.0	St	Sc	Sc	0.1	.	=° 0^{00}-7^{50}; = 7^{50}-9^{25}; ●°0^{28}...8^{48}, ●°16^{10}-16^{13}, ●°16^{18}-16^{28}
27	10	10	10	10.0	Sc	St	St	.	.	
28	10	0	10	6.7	St	.	St	.	.	
29	10	10	10	10.0	St	St	St	0.0	.	= n-13^{20}, ●°6^{50}-7^{00}, ●°8^{50}-10^{01}, ●°10^{18}-10^{37}
30	10	9	10	9.7	St	Sc	As	.	.	= n-7^{50}
31	10	10	10	10.0	St	St	St	0.0	.	= n-13
M	6.9	6.1	6.0	6.3				13.4*		*Le total mens - Monthly mean

LES ELEMENTS METEOROLOGIQUES - METEOROLOGICAL ELEMENTS

Novembre - November

1977

TMGr - GMT

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]								+5 [cm]	Tension de la vapour Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]									
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M.	6h		12h		18h		M.	
1	105.9	104.3	104.7	105.0	9.1	8.6	11.0	8.5	9.3	11.4	8.2	3.2	6.5	10.2	10.5	10.6	10.4	89	92	80	96	89	ESE	2	SE	2	E	1	1.7		
2	104.7	103.7	102.8	103.7	9.0	8.5	9.0	8.2	8.7	10.0	8.1	1.9	7.0	10.9	10.8	10.7	10.8	97	99	95	99	98	C	0	SSE	1	SSW	1	0.7		
3	98.8	94.9	94.0	95.9	6.1	2.2	7.0	7.4	5.7	8.2	2.2	6.0	2.1	7.2	8.8	10.3	8.8	97	100	88	100	96	SSE	1	SE	2	S	2	1.7		
4	92.8	94.5	96.5	94.6	7.3	10.2	13.2	9.8	10.1	13.7	6.3	7.4	2.5	12.4	13.1	11.5	12.3	99	100	86	95	95	NNW	1	WSW	1	S	1	1.0		
5	102.7	104.8	106.3	104.6	7.6	6.6	9.6	5.2	7.2	10.0	5.2	4.8	3.4	8.9	8.2	7.9	8.3	100	91	65	89	87	WSW	2	WSW	3	SSE	1	2.0		
6	108.2	107.8	106.2	107.4	1.5	1.0	10.5	7.2	5.0	12.0	0.8	11.2	-6.5	6.6	8.0	9.1	7.9	99	100	63	90	88	SSE	1	C	0	C	0	0.3		
7	108.1	109.8	110.5	109.5	4.7	5.0	11.8	7.3	7.2	12.1	4.4	7.7	-0.4	8.7	10.7	10.1	9.8	98	100	77	99	94	SSW	1	WSW	1	C	0	0.7		
8	111.2	110.1	108.2	109.8	5.6	3.7	13.8	9.8	8.2	14.0	3.6	10.4	-0.9	8.0	10.9	10.4	9.8	98	100	69	86	88	C	0	SSW	2	SW	2	1.3		
9	105.6	103.3	102.5	103.8	10.5	7.7	10.9	6.5	8.9	11.5	6.5	5.0	4.9	10.2	10.0	9.4	9.9	81	97	77	97	88	SSW	1	W	3	SSW	1	1.7		
10	103.2	104.7	106.8	104.9	5.7	6.3	10.0	5.4	6.8	10.2	5.6	4.6	0.6	9.1	9.3	8.5	9.0	97	95	76	95	91	SE	1	W	2	C	0	1.0		
11	107.0	104.9	103.8	105.2	6.2	9.0	14.8	8.6	9.6	15.2	3.8	11.4	-0.5	11.3	12.5	10.7	11.5	100	99	74	96	92	SSW	2	WSW	2	SSW	1	1.7		
12	99.1	93.1	90.7	94.3	12.2	10.4	15.2	9.3	11.8	16.1	8.6	7.5	3.5	10.4	10.8	8.9	10.0	84	82	62	76	76	SSW	1	SSW	3	W	3	2.3		
13	86.6	87.3	89.3	87.7	5.1	5.6	6.8	4.8	5.6	9.3	4.8	4.5	2.1	7.1	6.3	5.7	6.4	98	78	64	67	77	W	3	WSW	4	WSW	3	3.3		
14	88.0	85.9	80.2	84.7	2.7	4.1	6.4	3.9	4.3	6.6	1.8	4.8	-1.9	6.2	6.8	5.3	6.1	74	75	70	65	71	SSW	3	S	3	S	4	3.3		
15	69.7	73.4	76.6	73.2	4.1	6.2	8.4	7.0	6.4	8.5	3.8	4.7	3.0	8.9	6.0	6.3	7.1	90	94	55	63	76	S	2	SW	4	S	3	3.0		
16	80.9	81.2	82.0	81.4	4.3	2.8	7.4	1.9	4.1	7.6	1.9	5.7	-1.9	6.2	6.4	5.8	6.1	72	82	62	84	75	S	2	SSW	3	S	2	2.3		
17	81.7	82.7	84.6	83.0	2.4	0.5	5.6	2.3	2.7	6.0	0.3	5.7	-3.9	6.2	6.9	6.8	6.6	89	98	75	95	89	C	0	WSW	1	SSW	1	0.7		
18	88.8	89.9	92.9	90.5	-0.8	-1.9	2.7	2.5	0.6	3.1	-1.9	5.0	-3.0	5.3	6.9	7.0	6.4	95	100	93	96	96	WSW	1	WSW	1	WSW	1	1.0		
19	94.6	93.9	97.3	95.3	2.6	2.1	3.9	2.5	2.8	4.0	2.0	2.0	-0.4	6.7	6.2	7.0	6.6	92	95	77	96	90	SSW	2	WSW	4	WSW	3	3.0		
20	98.7	98.1	97.3	98.0	3.4	1.3	4.9	1.7	2.8	5.0	1.3	3.7	-1.0	5.3	5.5	5.0	5.3	79	79	64	72	74	SSW	1	SSW	2	SSE	1	1.3		
21	95.3	91.8	89.2	92.1	0.4	-0.8	4.2	2.2	1.5	4.4	-0.8	5.2	-3.4	5.2	5.6	5.4	5.4	83	90	68	73	79	SSE	2	SSE	3	SSE	2	2.3		
22	86.8	86.6	89.5	87.6	2.3	4.0	5.8	3.5	3.9	6.4	2.0	4.4	0.2	5.9	7.7	7.0	6.9	85	72	83	90	82	SSE	2	S	3	S	1	2.0		
23	94.4	95.3	98.3	96.0	3.0	2.1	4.0	2.5	2.9	4.5	0.8	3.7	-2.4	6.2	6.8	6.8	6.6	74	87	83	93	84	SSW	2	SW	2	S	1	1.7		
24	97.2	94.0	92.0	94.4	1.7	0.8	4.4	6.2	3.3	6.9	-0.7	7.6	-5.7	6.1	7.0	7.2	6.8	94	94	84	76	87	S	2	SSE	1	S	3	2.0		
25	92.4	93.1	94.6	93.4	4.4	2.5	6.7	3.3	4.2	7.0	2.3	4.7	0.1	7.0	7.6	6.8	7.1	75	96	78	88	84	S	2	SSW	2	S	2	2.0		
26	97.5	96.5	94.5	96.2	2.9	-1.5	4.3	0.8	1.6	4.4	-1.4	5.8	-5.2	5.4	6.8	6.2	6.1	85	98	82	96	90	C	0	W	1	C	0	0.3		
27	91.2	90.8	93.7	91.9	0.8	1.5	2.4	2.1	1.7	2.6	0.8	1.8	-1.3	6.2	5.6	5.6	5.8	97	91	77	78	86	N	2	N	3	NNW	3	2.7		
28	101.2	104.1	105.9	103.7	0.6	1.0	0.9	-1.5	0.2	2.1	-1.8	3.9	-4.9	5.6	5.0	3.8	4.8	87	85	77	70	80	NNW	2	NW	3	NW	2	2.3		
29	104.6	103.8	104.1	104.2	-0.7	-0.5	0.7	1.1	0.2	1.2	-2.4	3.6	-7.0	5.5	6.4	6.6	6.2	100	94	100	100	98	WSW	2	W	2	W	1	1.7		
30	99.2	97.3	97.6	98.0	-0.2	-0.7	-0.2	-0.5	-0.4	1.3	-0.7	2.0	-1.4	5.6	6.0	5.5	5.7	98	97	100	94	97	SSW	2	SW	1	C	0	1.0		
M.	96.5	96.1	96.4	96.3	4.2	3.6	7.2	4.6	4.9	7.8	2.5	5.3	-0.6	7.5	8.0	7.6	7.7	90	92	77	87	86		1.5		2.2		1.5	1.7		

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation (mm)	Couche de neige Snow cover (cm)	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	10	10	10	10.0	St	Sc	St	0.5	.	❜°4^{26}-8^{00}; ●$^{0-1}$$18^{54}$...$21^{20}$, ●°$22^{29}$-$23^{25}$; = n-16
2	10	10	10	10.0	St	St	Ns	4.7	.	❜°3^{46}-9^{15}, ❜°10^{44}-11^{23}; ●$^{0-1}$$13^{17}$-$21^{42}$; = n-np
3	10	7	10	9.0	St	Sc,Cu,Ci,Ac	St	3.2	.	≡¹ n-6^{40}, °6^{40}-7; = 7-9; ❜$^{0-1}$$14^{29}$-$18^{41}$
4	10	9	3	7.3	Ns	Ac,As,Cu	Cu	10.3	.	●$^{0-1}$$1^{04}$-$7^{53}$, ●$^{1-2}$ 20^{26}-22^{15}; ≡¹na-8^{20}; = 8^{20}-9^{10}; R°SW 20^{35}
5	8	3	4	5.0	Sc	Cu	Ci,Cs	.	.	●°0^{28}-0^{43}
6	3	5	4	4.0	Ci,Cs	Ci,Cs	Ci,Cs	.	.	⌣°n-7^{20}; = n-9
7	9	6	0	5.0	Ac,As	Ac,Ci	.	.	.	= n-8, = 17^{40}-np
8	3	8	1	4.0	Ci,Cs	Ci,Cs,Cu	Ci	1.9	.	= n-8; △°16^{30}-np; ●°23^{16}-23^{46}
9	10	3	10	7.7	Sc	Cu	Sc	9.4	.	●$^{0-1}$$0^{37}$-$4^{59}$, ●$^{0-1}$$15^{50}$-$16^{45}$, ●°$18^{05}$-$19^{16}$, ●$^{1-2}$$19^{20}$-$22^{36}$; ▲¹ 19^{16}-19^{20}; (R)° N 15^{50}, R°NW 19^{10}-19^{19}WNW
10	10	3	0	4.3	Sc	Cu	.	0.1	.	= 17^{55}-np
11	10	3	1	4.7	Sc	Cu	Ac	.	.	= n-7^{50}, = p-np; ●°1^{42}-5^{19}; △¹ p-np
12	9	9	10	9.3	Sc,Ac	Cs,Ci,Cc	As,Cu	5.8	.	●°17^{41}-17^{47}, ●$^{0-1}$$19^{34}$-$23^{17}$
13	9	10	9	9.3	Sc,Cb	Sc	Sc	0.0	.	●°3^{48}...5^{59}, ●°8^{14}...11^{03}
14	10	9	10	9.7	Sc	Sc,Cu	Sc	0.7	.	●°8^{15}...10^{16}, ●°19^{30}-24^{00}
15	10	3	9	7.3	Ns	Cu,Ci	Cu,Ac	0.1	.	●°0^{00}-1^{52}, ●$^{0-1}$$4^{55}$-$7^{25}$, ●°$13^{04}$-$14^{03}$, ●°$15^{02}$-$15^{33}$
16	3	5	2	3.3	Ci,Cu	Cu,Ci	Ci	.	.	
17	10	10	7	9.0	Ac,As	Sc	Ac,As	0.3	.	●°12^{57}-13^{17}, ●°13^{42}-14^{20}
18	10	10	10	10.0	Ac,Ci	St	St	0.4	.	⌣¹ n-7^{40}; = n-10; ❜°8^{34}-9^{58}, ❜°11^{28}...15^{52}, ❜°np
19	10	10	8	9.3	Sc	As,Cu	Sc,Cu	1.5	.	●°na, ●°8^{35}-8^{44}, ●°10^{01}-10^{45}, ●$^{0-1}$ 12^{12}-17^{15}, ●°19^{55}-20^{10}
20	5	9	0	6.0	Sc,Ci	Ac,As	.	.	.	
21	5	4	8	5.7	Ci,Cs,Cc	Ci,Ac	Ci,Cs	0.0	.	⌣°n-6^{20}
22	10	10	10	10.0	Ac	As,Cu	Ac	0.0	.	●°$3^{??}$-4^{05}, ●°6^{40}-7^{43}
23	7	10	10	9.0	Sc,Ac	Ns	Sc	0.1	.	⌣°n-6^{45}; ●°9^{21}...10^{25}, ●°11^{47}...14^{14}
24	10	10	10	10.0	As	As,Cu	Sc	0.6	.	⌣°n-7^{40}; ●°22^{24}-24^{00}
25	10	9	2	7.0	Ns	Sc	Cu	.	.	●°0^{00}...0^{15}, ●$^{0-1}$$2^{47}$...$5^{16}$
26	3	9	9	7.0	Ci	Ci,Cs,Cu	Cs	.	.	⌣°n-6^{10}; = n-9^{15}, = 13^{30}-16^{20}; ω°17^{10}-17^{30}
27	10	10	10	10.0	Sc	Sc	Sc	0.0	.	*°21^{34}-21^{57}
28	10	10	8	9.3	Sc	Sc	Ac	0.6	.	*°2^{21}...12^{45}, *°21^{52}-23^{53}
29	10	10	10	10.0	Ns	Ns	St	3.1	1	*°1^{12}-12^{40}; ❜°12^{40}-17^{15}; = 8-np; *$^{0-1}$$23^{06}$-$24^{00}$
30	10	10	10	10.0	Ns	Ns	Ns	8.2	3	*$^{0-1}$$0^{00}$-$5^{40}$, *°$5^{40}$-$13^{32}$, *°$14^{10}$...$17^{30}$, *$^{0-1}$$17^{30}$-$24^{00}$
M	8.6	7.8	6.8	7.7				51.5*		*Le total mens - Monthly mean

Décembre - December

GMTr - GMT

Date	Pression barométrique Atmospheric pressure 900 [hPa] + ...				Température de l'air Air temperature [°C]								-5 [cm]	Tension de la vapeur Vapour pressure [hPa]				Humidité relative Relative humidity [%]					Vent-direction et vitesse Wind velocity and direction [m/s]									
	6h	12h	18h	M	0h	6h	12h	18h	M	Max.	Min.	Ampl.	Min.	6h	12h	18h	M	0h	6h	12h	18h	M	6h		12h		18h		M	
1	103.6	104.9	107.1	105.2	-0.5	-1.1	-1.7	-2.6	-1.5	0.1	-2.6	2.7	-3.8	5.5	5.0	4.6	5.0	96	97	92	91	94	NE	1	ENE	1	NNE	1	1.0		
2	108.3	108.1	112.1	109.6	-3.4	-4.1	-3.3	-4.0	-3.7	-2.6	-4.1	1.5	-4.3	4.2	4.3	4.1	4.2	92	94	90	89	91	N	1	N	2	N	1	1.3		
3	119.0	122.2	125.2	122.1	-4.4	-6.2	-1.3	-7.0	-4.7	-1.0	-7.0	6.0	-13.1	3.5	5.1	3.4	4.0	93	92	93	93	93	NNW	1	NNW	2	NNW	1	1.3		
4	123.5	121.9	118.1	121.2	-5.9	-2.9	0.7	-1.0	-2.3	1.0	-7.7	8.7	-13.1	4.8	5.8	5.6	5.4	95	97	90	98	95	C	0	NNW	2	NNW	2	1.3		
5	109.9	106.0	102.7	106.2	0.1	0.4	0.5	0.2	0.3	0.8	-1.0	1.8	-2.8	6.0	6.1	6.1	6.1	97	96	96	98	97	NNW	2	NW	3	NW	1	2.0		
6	94.8	93.6	95.8	94.7	-0.2	-1.5	-1.5	-4.4	-1.9	0.3	-4.4	4.7	-8.4	5.2	5.0	4.1	4.8	98	94	92	92	94	WSW	2	SSW	3	SE	1	2.0		
7	104.1	103.0	106.8	104.6	-10.0	-7.2	-0.9	-3.9	-5.5	-0.8	-10.3	9.5	-18.3	3.3	4.9	4.0	4.1	91	93	85	87	89	ENE	1	E	2	E	1	1.3		
8	111.3	111.1	111.5	111.3	-4.5	-3.2	0.5	0.1	-1.8	1.0	-4.5	5.5	-9.2	4.5	6.0	5.9	5.5	86	92	94	96	92	ESE	2	E	2	ENE	3	2.3		
9	111.6	112.9	116.3	113.6	0.8	-0.2	-2.2	-8.8	-2.6	1.3	-8.8	10.1	-8.8	5.8	4.9	2.9	4.5	95	96	94	92	94	E	3	ESE	3	E	2	2.7		
10	121.2	123.4	125.9	123.5	-9.9	-6.8	-5.0	-5.4	-6.8	-4.5	-10.2	5.7	-13.3	2.9	3.4	3.5	3.3	84	80	80	85	82	ESE	3	ESE	3	ESE	2	2.7		
11	129.3	130.2	130.4	130.0	-5.9	-8.9	-5.7	-9.0	-7.4	-4.5	-9.0	4.5	-13.1	2.6	2.7	2.4	2.6	81	83	67	76	77	ESE	3	ESE	2	ESE	2	2.3		
12	128.0	126.0	123.3	125.8	-9.8	-11.7	-1.7	-5.4	-7.2	-1.7	-11.7	10.0	-20.2	2.1	3.6	3.0	2.9	76	86	67	72	75	ESE	1	SSE	2	SSE	2	1.7		
13	121.7	120.1	119.9	120.6	-7.3	-10.0	-4.0	-8.6	-7.5	-3.2	-10.2	7.0	-18.8	2.4	2.9	3.0	2.8	77	84	64	95	80	SSE	2	S	1	C	0	1.0		
14	117.5	114.5	113.9	115.3	-2.9	-0.3	1.7	1.8	0.1	2.0	-8.6	10.6	-12.5	5.8	6.8	6.8	6.5	97	98	98	98	98	S	1	WSW	2	W	2	1.7		
15	116.0	118.4	120.6	118.3	1.8	1.9	2.0	0.7	1.6	2.4	0.7	1.7	-0.3	6.9	6.8	6.3	6.7	98	98	96	98	98	NNW	2	WNW	1	W	1	1.3		
16	121.2	122.8	124.0	122.7	1.1	1.9	3.0	0.1	1.5	3.0	0.1	2.9	-3.4	7.0	6.8	6.0	6.6	97	100	90	98	96	W	1	NW	2	W	3	2.0		
17	120.9	117.5	114.2	117.5	-1.4	-2.3	0.3	-1.1	-1.1	1.1	-2.3	3.4	-6.4	5.0	5.6	5.0	5.2	98	98	90	89	94	SSW	1	C	0	S	1	0.7		
18	114.4	116.2	116.2	115.6	0.6	1.5	1.5	0.9	1.1	1.7	-2.6	4.3	-7.2	6.5	6.7	6.3	6.5	94	96	98	96	96	WSW	1	WSW	1	SSW	1	1.0		
19	113.1	111.2	111.3	111.9	0.2	0.1	1.7	0.0	0.5	1.7	-0.4	2.1	-0.9	5.8	5.5	5.9	5.7	95	94	80	96	91	SSE	2	S	2	SSW	1	1.7		
20	113.5	114.2	115.7	114.5	1.8	1.7	2.4	1.5	1.8	2.6	0.0	2.6	-0.1	6.6	6.6	6.5	6.6	96	96	91	96	95	WSW	1	WSW	1	C	0	0.7		
21	116.9	117.5	118.8	117.7	1.5	1.5	2.1	1.6	1.7	2.2	1.3	0.9	0.6	6.7	7.0	6.5	6.7	98	98	98	94	97	W	1	WNW	1	C	0	0.7		
22	119.9	119.5	118.1	119.2	0.8	0.8	1.8	-0.4	0.8	2.5	-0.4	2.9	-2.9	6.3	6.1	5.8	6.1	96	98	87	98	95	C	0	WSW	1	C	0	0.3		
23	115.9	116.6	116.5	116.3	-3.3	-4.8	-1.9	-3.5	-3.4	-0.4	-4.8	4.4	-6.8	4.1	4.9	4.4	4.5	98	95	92	94	95	C	0	C	0	C	0	0.0		
24	105.3	96.2	89.1	96.9	-1.6	0.5	3.1	7.3	2.3	8.1	-3.8	11.9	-5.6	5.0	7.2	8.6	6.9	88	79	95	84	86	S	1	SSW	2	WSW	4	2.3		
25	83.8	86.5	97.1	89.1	6.7	6.1	4.5	2.5	5.0	8.4	2.4	6.0	1.6	7.2	6.6	6.5	6.8	73	76	79	89	79	W	4	WNW	4	NW	4	4.0		
26	106.7	104.9	103.8	105.1	1.1	1.1	3.0	4.0	2.3	4.2	0.8	3.4	-0.8	5.6	7.0	7.3	6.6	79	85	93	90	87	C	0	SSW	1	SSW	1	0.7		
27	100.4	98.4	95.9	98.2	3.6	3.4	4.4	2.4	3.4	4.5	2.4	2.1	1.1	7.5	7.8	7.0	7.4	91	97	93	96	94	SW	2	SSW	2	SSE	2	2.0		
28	93.1	94.9	96.4	94.8	0.4	2.5	4.9	2.3	2.5	5.2	0.1	5.1	-0.7	7.2	8.2	7.1	7.5	93	98	95	98	96	S	1	C	0	SSE	1	0.7		
29	96.2	93.6	91.9	93.9	1.7	0.3	3.3	2.2	1.9	3.7	-0.6	4.3	-4.3	6.0	6.4	6.8	6.4	97	96	83	95	93	SSW	1	SSW	1	W	1	1.0		
30	83.5	77.1	74.2	78.3	1.7	1.7	1.4	1.7	1.6	2.2	1.1	1.1	0.6	6.5	6.6	6.5	6.5	84	94	98	94	92	SSW	4	SSW	4	SW	3	3.7		
31	75.8	78.7	83.9	79.5	-0.1	-1.1	0.1	-1.1	-0.6	2.0	-2.2	4.2	-9.0	5.1	5.8	4.8	5.2	92	91	94	85	90	S	1	W	2	W	1	1.3		
M	105.7	105.1	109.6	105.5	-1.5	-1.5	0.4	-1.2	-1.0	1.4	-3.5	4.9	-6.6	5.3	5.7	5.4	5.5	91	93	89	92	91			1.5		1.8		1.5	1.6	

Décembre - December 1977

TMGr - GMT

Date	Nébulosité Cloudiness 0-10				La forme des nuages Type of clouds			Précipitation Precipitation [mm]	Couche de neige Snow cover [cm]	Remarques Remarks
	6^h	12^h	18^h	M	6^h	12^h	18^h			
1	10	10	10	10.0	St	Ns	Ns	4.2	12	$*^{0}0^{C}$-5^{43}, $*^{0}6^{42}$-9^{19}, $*^{0}10^{06}$-13^{18}, $*^{0}15^{34}$-24^{00}
2	10	10	10	10.0	Ns	St	Sc	1.0	16	$*^{0-1}0^{0C}$-10^{50}, $*^{0}17^{51}$-20^{32}; $\Delta^{0}10^{50}$-13^{43}
3	10	C	0	3.3	Ns	.	.	0.1	17	$*^{0}5^{43}$-8^{39}; $\smile^{0}17$-np
4	10	8	10	9.3	St	Sc	Sc	0.0	16	ΔP0^{11}-1^{33}; $*^{0}23^{40}$-24^{00}
5	10	10	10	10.0	Ns	Ns	Ns	2.2	12	$*^{0}0^{00}$-24^{00}
6	10	10	C	6.7	Ns	Ns	.	4.1	12	$*^{0-1}0^{00}$-6^{12}, $*^{0-1}6^{26}$-15^{31}; $\Delta^{0-1}6^{12}$-6^{26}
7	4	5	6	3.0	Ci	Ci,Cc	.	.	18	
8	10	10	10	10.0	As	St	St	0.1	18	$\wp^{0}11^{52}$-np
9	10	10	10	10.0	St	St	St	.	14	
10	2	10	10	7.3	Cu	Sc	Sc	.	9	
11	2	0	0	0.7	Cs	.	.	.	9	
12	0	3	0	1.0	.	Ci	.	.	9	
13	0	0	10	3.3	.	.	Ac,As	0.2	9	$\Delta^{0}2_{1}^{10}$-24^{00}
14	10	10	10	10.0	St	St	St	0.5	9	$\Delta^{0}0^{CC}$-4^{41}; = n-np; $\wp^{0}10^{15}$-11^{0C}, $\wp^{0-1}11^{00}$-13^{52}, $\wp^{0}14^{31}$-16^{27}, $\wp^{0}18^{08}$... 24^{0C}
15	10	10	10	10.0	St	St	St	0.4	5	$\wp^{0-1}0^{00}$... 8^{08}; = n-8; $\equiv^{0}8$-17; = 17-np
16	10	3	10	7.7	St	Cu	Sc	.	4	$\wp^{0-1}0^{13}$-2^{49}; = n-9
17	10	2	0	4.0	St	Ac	.	0.0	3	$\wp^{0}23^{23}$-24^{00}
18	10	10	10	10.0	St	St	St	C.0	3	$\wp^{0}0^{CC}$-16^{25}
19	10	0	10	6.7	St	.	St	0.1	2	$\wp^{0}16^{24}$-17^{50}, $\wp^{0}19^{58}$-23^{22}
20	10	10	10	10.0	St	Sc,Ci	St	0.7	2	$\wp^{0}18^{14}$... 24^{00}
21	10	10	10	10.0	St	St	St	0.2	.	$\wp^{0-1}0^{CC}$...8^{23}, $\wp^{0}10^{28}$-13^{56}; = n-14^{30}; $\equiv^{1}14^{30}$-20; = 20-np
22	10	5	10	5.7	St	Sc	St	0.0	.	$\equiv^{1}$ n-8^{30}; = 8^{30}-10^{30}, = 15-np; $\wp^{0}7^{43}$-9^{01}; $\smile^{0}$17-np
23	2	10	8	6.7	Cu	St	Ci,Cs	0.1	.	= n-np; $\smile^{1}$n-np; $\varpi^{0}17^{30}$-18^{20}; $\bullet^{0}21^{56}$-22^{40}
24	10	10	10	10.0	Ns	St	As	3.9	.	$\bullet^{0-1}6^{03}$-7^{30}, $\bullet^{0-1}12^{08}$-13^{36}; $\wp^{0}7^{30}$-10^{55}
25	9	10	10	9.7	Sc	As,Cu	Ns	0.4	.	$\bullet^{0}6^{55}$... 18^{57}
26	10	10	10	10.0	Sc	St	St	2.6	.	$\wp^{0}9^{27}$...11^{02}, $\wp^{0}12^{35}$-17^{03}, $\wp^{0}18^{05}$-24^{00}
27	10	10	8	9.3	Sc	St	Cs,Ci,Cc	2.4	.	$\bullet^{0-1}0^{00}$...2^{30}, $\bullet^{0}10^{18}$...10^{41}, $\bullet^{0}11^{51}$-11^{58}; $\wp^{0}7^{12}$-7^{33}; $\bullet^{0-1}23^{40}$-24^{0C}
28	10	10	8	9.3	Ns	Sc	Sc	0.3	.	$\bullet^{0-1}0^{00}$-7^{53}, $\bullet^{0}12^{45}$-13^{02}; = n-9^{40}, = 17^{13}-np
29	10	10	10	10.0	Sc	Sc	Ns	0.7	.	$\bullet^{0-1}12^{11}$...17^{54}; $\wp^{0}19^{42}$...np
30	10	10	10	10.0	St	Ns	Sc	3.0	.	$\wp^{0-1}$n...6^{35}; $\bullet^{0-1}6^{35}$...13^{33}; $\bullet^{0}13^{35}$...np
31	10	10	10	10.0	Sc	St	Ns	3.3	1	$*^{0}$n...2^{36}, $*^{0-1}6^{04}$-9^{25}, $*^{0}11^{12}$... nf
M	8.4	7.7	7.9	8.0				30.5 *		* Le total mens - Monthly mean

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Résultats des observations

Results of observations

89 The international comparison of ozone spectrophotometers, Belsk, 24 June – 6 July 1974; PWN, Warszawa 1975.

90 The KAPG symposium on atmospheric ozone, Belsk, July 8, 1974; PWN, Warszawa 1975.

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D–3 (106) Atmospheric ozone, optics of atmosphere, solar radiation, Belsk 1975; PWN, Warszawa 1976.

D–4 (109) Atmospheric ozone, optics of atmosphere, solar radiation, Belsk 1976; PWN, Warszawa 1977.

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D–7 (126) Atmospheric ozone, optics of atmosphere, solar radiation, Belsk 1977; PWN, Warszawa–Łódź 1978.

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POLISH ACADEMY OF SCIENCES
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D. ATMOSPHERE PHYSICS

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5 Ozon atmosferyczny i optyka atmosfery, Belsk 1963 rok; PWN, Łódź–Warszawa 1965.
7 Cha-Pa observatory atmospheric electricity and radioactivity data 1958–1959; PWN, Warszawa 1965.
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13 Ozon atmosferyczny i optyka atmosfery, Belsk 1965; PWN, Warszawa–Łódź 1966.
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25 Atmospheric electricity; PWN, Warszawa 1968.
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33 Atmospheric ozone and optics of atmosphere, Belsk 1968; PWN, Warszawa 1969
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