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D-10 (140)

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OBSERVATOIRE GÉOPHYSIQUE
DE ST. KALINOWSKI À ŚWIDER
1978

PAŃSTWOWE WYDAWNICTWO NAUKOWE
WARSZAWA-ŁÓDŹ 1980

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

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AVANT-PROPOS

La présente publication contient les résultats de l'enregistrement de certains éléments de l'électricité atmosphérique et ceux des observations diurnes (24 h) des principaux facteurs météorologiques, effectuées à l'Observatoire Géophysique Stanisław Kalinowski de l'Académie Polonaise des Sciences, à Świder. Les matériaux se rapportant aux années 1957-1977 ont été publiés dans les numéros 16, 19, 20, 22, 25, 29, 33, 34, 38 des „Travaux de l'Observatoire Géophysique de 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), D-8 (131) 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 décrits en détail dans les numéros précédents de „Électricité 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 1978, les mesures de l'électricité atmosphérique et des éléments météorologiques ont été réalisées par: S. Warzecha, W. Kozłowski, K. Kostrze-wa, 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 1957-1977 have been pub-

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
- ▲ Grêle, hail
- * Pluie accompagnée de neige, sleet
- Aiguilles de glace, ice needles
- △ Rosée, dew
- Givre, hoar frost
- ∨ Gelée blanche, soft rime
- ~ Verglas, glazed frost
- ☐ Verglas sur le sol, glazed frost on the ground
- ✦ Tourmente de neige, snowstorm
- ✦ Tourbillon de neige près du sol, drifting snow (near the ground)
- ✦ Tourbillon de neige à une certaine altitude, drifting snow (high up)
- ≡ Brume modérée, moderate fog
- ≡ Brume épaisse, heavy fog
- ≡ Brume très épaisse, very heavy fog
- ≡ Brume au ras du sol, ground fog
- ≡ Brouillard, mist
- ∞ Nuage de poussière, haze
- ⚡ Orage, thunderstorm
- (⚡) Orage lointain, distant thunderstorm
- ⚡ Éclair, lightning
- ⊕ Halo autour du soleil, solar halo
- ☾ Halo autour de la lune, lunar halo
- ⊙ Couronne solaire, solar corona
- ☾ Couronne lunaire, lunar corona
- Arc-en-ciel, rainbow
- ☄ Aurore, aurora

TABLEAUX - TABLES

SYMBOLES DÉTERMINANT 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

Janvier - January

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]

1978
TMGr - GMT

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
Date																																
1	-70	1	-84	-7	32	-14	-32	-3	28	224	-45	99	171	336	391	312	196	295	167	83	42	-76	-88	-42	-	-	-	-	-	-	c,s,r	1
2	-154	-111	-84	-56	-14	-14	-27	-84	-96	-42	-63	-35	56	1	111	126	137	154	133	105	56	24	25	45	-	8	336	-518	854	o,r	2	
3	56	17	-27	-168	-417	-476	-318	42	69	181	209	181	190	214	241	228	223	312	258	223	196	286	1	-238	-	-	-	-	-	-	o,r	3
4	-32	1	1	-532	-204	-59	-364	(-664)	356	266	293	328	280	262	175	125	141	122	1	-137	-140	-31	91	125	-	-	-	-	-	-	o,r,s	4
5	129	42	112	168	-42	182	57	17	62	102	27	-14	71	115	128	195	241	181	87	-28	-14	-28	-28	-29	-	<76	316	<-700	>1016	c,s	5	
6	28	137	160	202	274	224	-224	-563	-50	-21	-83	34	-42	-28	-11	-70	-336	-350	-266	-167	-28	-196	-140	-140	-	-69	1260	-1701	2961	o,s,d	6	
7	-140	-69	59	95	175	-29	-55	-31	-39	-41	-82	-126	1	-52	-77	-98	-154	-141	-172	-85	-252	-228	-203	-130	-	-78	308	-357	665	o,m,d	7	
8	-200	-182	-168	-154	-56	-71	-112	-118	-111	-116	-112	-14	-14	-14	-14	64	90	-7	25	-22	-28	-14	-14	3	-	-57	195	-346	541	o,d	8	
9	-29	-42	-14	-43	-22	-43	-14	-31	-14	45	18	50	66	133	14	102	3	-74	14	88	42	41	34	27	-	14	241	-151	392	c	9	
10	20	13	34	56	70	29	41	99	71	12	-42	-160	-137	-146	-147	-136	-70	-11	-81	-7	56	116	161	105	-	2	196	-798	994	o,s	10	
11	25	-84	-84	-66	-84	-45	-112	-157	-41	-69	-29	7	157	216	225	203	160	139	143	175	200	165	123	98	-	53	251	-209	460	c	11	
12	77	83	87	101	126	154	182	214	256	252	262	256	255	188	112	157	154	115	153	178	28	18	56	-	155	273	-42	315	o,m	12		
13	203	102	140	116	41	98	165	-69	17	34	98	129	67	-56	-168	-56	11	-17	-35	63	109	11	-46	-74	-	37	448	-329	777	o,m,s	13	
14	-84	-21	1	17	-1	28	-98	-171	-266	-368	-172	-84	-28	88	238	265	140	14	14	102	111	94	41	-	-	-17	309	-465	774	o,s,d,m,hf	14	
15	14	90	143	182	266	322	326	372	396	508	502	526	602	532	364	142	182	266	340	335	248	199	335	322	-	315	644	-266	910	o,m,hf	15	
16	294	284	270	312	262	304	350	392	428	472	504	497	461	420	456	468	430	362	308	322	308	280	245	196	360	360	560	185	375	b	16	
17	186	178	181	181	196	214	237	251	294	335	350	371	406	441	490	517	508	518	462	405	382	336	307	287	335	335	560	167	393	c	17	
18	238	192	182	168	168	203	224	238	238	266	266	280	280	270	238	252	238	221	210	182	182	196	167	112	217	217	322	88	234	c	18	
19	94	83	87	112	91	98	147	195	196	153	70	125	158	137	182	279	307	294	365	349	356	340	336	301	-	202	405	0	405	c	19	
20	298	266	228	159	167	168	210	188	139	189	287	336	353	377	339	343	343	412	420	391	350	312	230	280	-	284	461	115	346	b,s	20	
21	255	265	255	277	325	391	462	490	519	543	518	465	447	448	490	462	448	461	493	462	413	378	280	210	407	407	563	195	368	c	21	
22	196	209	214	232	228	252	294	280	294	353	371	368	413	462	378	350	335	333	322	315	311	336	351	322	313	313	496	183	313	b	22	
23	207	186	192	213	122	126	118	146	120	227	336	378	336	392	402	252	122	104	15	-24	25	-14	-14	-13	-	165	469	-80	549	c,m	23	
24	-27	-42	1	-29	-41	42	88	172	129	242	252	266	266	263	182	126	141	87	-1	84	-123	-56	-70	-42	-	80	333	-223	556	c,s	24	
25	-38	-21	27	63	71	3	-101	-266	-462	-294	-94	1	-108	-28	-18	-197	125	-70	-42	15	41	109	88	87	-	-46	140	-727	867	o,s,d,m,r	25	
26	97	112	98	84	67	-28	-88	70	67	15	60	42	12	-27	-45	7	31	56	101	70	98	42	55	74	-	45	154	-308	462	o,s,r	26	
27	<-88	<-416	-98	-59	-70	-11	42	55	55	99	168	263	363	241	97	94	-43	-122	-56	-42	7	28	-56	-42	-	<17	2003	<-2100	>4103	c,s,g	27	
28	-83	-378	-252	-125	-143	-125	-98	-31	28	67	167	238	266	273	269	287	336	321	259	210	153	109	53	29	-	76	377	-1180	1557	c,s	28	
29	29	56	71	90	98	70	88	56	81	157	192	207	224	252	277	308	323	315	308	273	195	98	35	56	-	161	339	-252	591	o,r	29	
30	60	57	67	71	53	-84	-399	<-1302	-225	-111	-98	-83	-42	42	-28	-113	-328	-182	-42	-56	227	308	182	224	-	<-75	511	<-2100	>2611	o,r,m,f,d,s	30	
31	<71	1	1	1	1	1	>701	<-126	154	67	-	-	151	-41	97	-3	84	273	11	-224	116	370	84	-17	-	-	-	-	-	-	o,s	31
A	219	208	201	210	210	237	281	300	287	304	318	346	322	339	333	299	297	308	310	277	256	237	244	226	280	108	-	-	-	-	-	
N	<53	<35	62	<57	<60	<68	79	32	87	<125	131	162	182	183	172	159	150	147	129	<114	123	<115	87	<72	-	-	-	-	-	-	-	

A - Valeur moyenne pour les périodes du "beau temps". Mean values for the "fair weather".

N - Valeur moyenne pour tous les jours. Mean values for all days.

Février - February

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]

1978
TMGr - GMT

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.	I.'Indication du temps Type of weather	Date	
Date																																	
1	-17	-	-	-	-	46	70	116	7	-3	-165	-28	11	-123	-56	-97	-188	-165	-123	-14	-53	-84	-151	-153	-	-	-	-	-	-	o,s,m	1	
2	-119	-98	-87	-84	-59	-84	-69	-84	-71	-81	-56	-81	-39	-56	-53	-106	-56	-17	-41	-14	-7	-14	32	28	-	-55	141	-221	362	o,s,R	2		
3	-3	-28	-29	-32	-28	-17	-41	-42	-34	-140	-98	-42	-7	-196	28	55	14	69	70	84	84	91	38	15	-	-8	123	-561	684	o,s	3		
4	-28	-28	0	11	11	-10	13	0	-3	28	83	98	126	78	98	41	36	70	60	70	105	109	126	77	-	-49	158	-77	235	o,s,R	4		
5	85	101	84	99	97	111	137	155	-	195	224	251	251	267	293	321	351	302	237	235	210	199	196	183	-	-	-	-	-	-	o,s	5	
6	125	98	113	113	129	41	23	151	227	339	332	311	287	266	308	280	202	266	157	140	154	169	112	45	-	184	417	-29	446	o,s	6		
7	7	26	11	17	45	-41	-32	-41	63	97	204	239	280	-	126	127	112	105	85	87	70	57	29	-14	-	-	-	-	-	-	o,s,s	7	
8	-20	1	14	25	21	32	45	55	112	126	168	183	211	189	196	204	231	28	140	311	182	210	140	104	-	120	420	-126	546	o,s	8		
9	55	126	87	98	95	84	126	165	154	224	238	228	222	235	266	322	347	350	409	505	469	252	405	265	-	239	577	42	535	o,s	9		
10	130	126	207	168	126	195	196	210	70	196	252	293	297	298	364	266	77	0	-42	-28	14	25	53	63	-	-	148	461	-71	532	c,s	10	
11	29	28	-10	1	48	109	129	251	321	423	445	325	252	227	238	165	98	83	7	-14	-55	-	-	-	-	-	-	-	-	-	-	c	11
12	-	(-27)	-55	-55	-29	56	98	126	140	189	182	181	210	274	322	259	238	140	-42	1	1	168	-105	56	-	-	-	-	-	-	-	o,r,s,m	12
13	99	98	119	168	-41	120	81	125	146	140	151	210	-	-	-	(353)	270	246	270	251	235	-59	203	445	-	-	-	-	-	-	-	c,s,g	13
14	339	368	238	309	300	377	448	430	308	127	280	246	217	227	157	126	70	42	25	95	160	53	6	-3	-	-	206	540	-50	590	o,g,s	14	
15	-13	-42	-39	-59	-28	-56	-84	-112	-98	-134	-179	-197	-186	-199	-207	-197	-158	-224	-193	-307	-283	-221	-270	-406	-	-163	25	-546	571	o,s	15		
16	-315	-297	-301	-139	-53	-55	168	420	246	59	207	119	204	243	322	238	42	-21	14	71	157	286	305	164	-	88	546	-472	1018	o,s	16		
17	125	91	342	196	225	563	932	974	802	506	378	224	339	504	539	284	64	-31	-50	-70	-15	14	7	-20	-	288	1218	-381	1599	c,s,f	17		
18	-98	-4	74	41	108	164	-45	42	43	112	-32	63	165	-99	-42	-4	34	55	56	120	98	295	476	546	-	90	644	-546	1190	o,g,s	18		
19	393	434	41	14	-28	225	42	14	59	77	168	328	363	234	232	405	73	20	153	260	386	546	645	658	-	256	675	-101	776	c,s,hf,f	19		
20	459	265	199	566	-	-	-	-	-	-	409	378	462	503	505	462	118	-255	-127	-70	76	112	168	84	-	-	-	-	-	-	-	c,f,g	20
21	-252	-545	-176	-80	-95	-139	-18	-48	-80	-298	-71	32	120	238	181	221	273	280	308	378	476	521	515	448	-	-	91	574	-878	1452	o,s	21	
22	423	466	410	228	322	336	325	349	349	392	448	434	395	392	420	266	-31	-112	-101	-108	-195	-284	-276	-308	-	-	196	545	-504	1049	c,s	22	
23	-154	-112	-508	-290	-176	-13	(-84)	70	109	43	43	105	63	27	105	105	57	42	56	42	4	53	85	70	-	-	-10	182	-806	988	o,s	23	
24	45	84	119	185	161	112	-224	-311	-246	-78	-70	-48	42	56	57	175	210	246	251	294	294	308	308	307	-	-	-495	616	<700	1316	c,g,r	24	
25	281	246	196	126	126	140	193	238	241	249	267	266	298	364	368	374	363	361	356	402	399	343	336	372	-	-	289	441	69	372	c,r	25	
26	307	274	252	230	266	312	346	322	298	365	284	290	266	308	322	364	377	364	364	392	336	266	266	251	-	-	309	462	211	251	c	26	
27	210	150	116	62	0	-56	-45	28	42	168	214	406	427	364	322	311	312	293	244	168	168	67	21	35	-	-	168	559	-129	688	c	27	
28	70	84	105	127	144	101	112	162	45	28	-20	17	181	112	167	168	308	279	252	239	224	176	203	225	-	-	146	357	-126	483	o,d	28	
A	333	391	331	239	294	324	288	290	302	357	331	314	344	361	379	323	294	278	320	390	413	394	398	404	-	341	-	-	-	-	-	-	
N	80	71	56	76	64	98	106	<139	126	123	153	172	202	190	214	196	137	101	>99	130	137	135	144	131	-	129	-	-	-	-	-	-	

Mars - March

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]1978
TMGr - GMT

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	
Date																																	
1	154	102	123	140	160	231	267	286	284	280	224	231	253	246	259	300	239	196	189	252	238	204	182	182	-	218	532	70	462	o,m,d	1		
2	161	125	84	67	56	81	101	152	252	288	315	323	349	308	262	364	319	154	200	174	160	98	-76	-50	-	178	426	-112	538	c,f,m	2		
3	-57	0	-81	-151	-221	-151	-196	-167	-28	-241	-98	-25	-11	29	22	3	42	14	1	-53	-74	-14	-104	-126	-	-70	259	-433	692	o,m,f,d	3		
4	-189	-175	-126	-153	-98	-42	-27	35	88	28	-22	-104	-36	85	50	-62	-122	-14	126	42	28	1	-105	-127	-	-38	294	-336	630	o,f	4		
5	-203	-162	-98	-13	-22	-63	-113	-150	-146	-84	-29	-22	49	56	0	27	-1	22	21	55	98	0	60	4	-	-29	519	-377	896	o,f,m,d,r	5		
6	88	76	4	-29	46	55	97	207	203	230	244	307	290	294	294	336	364	385	433	448	456	406	406	406	-	252	472	-112	584	c,d,wind	6		
7	433	429	476	392	406	395	440	437	482	448	505	504	438	406	449	252	280	280	318	309	277	206	154	119	-	368	533	69	464	o,hf,r,g	7		
8	144	109	56	140	137	143	164	252	238	238	266	267	244	244	235	122	116	119	4	-3	-42	-182	-112	-122	-	116	301	-546	847	o,s,d	8		
9	-90	-137	-210	-136	-90	147	-158	-34	-17	-232	55	17	42	88	161	126	84	84	-311	-4	105	38	-42	88	-	-18	357	-609	966	o,d,m,r,s	9		
10	-137	-139	-182	-126	-98	-69	-210	-21	180	68	80	118	176	158	174	98	178	283	146	122	253	143	92	59	-	53	350	-364	714	o,s,r,d	10		
11	42	42	-315	-109	-101	-153	-14	71	154	-	-	-	-202	-407	-126	41	42	154	157	179	165	162	112	136	-	-	-	-	-	-	o,r,s	11	
12	112	147	132	106	118	137	168	182	181	120	126	133	143	143	181	253	323	431	434	469	475	444	399	279	-	236	546	92	454	o	12		
13	207	179	139	136	164	182	255	214	231	207	220	213	225	252	238	263	322	308	335	235	-378	-466	-118	-15	-	128	458	-1176	1634	c,hf	13		
14	55	123	150	161	64	56	74	153	263	323	330	323	325	308	315	281	322	330	249	203	280	211	126	78	-	208	521	-113	634	o,r	14		
15	83	91	98	95	126	147	196	207	266	294	265	241	224	244	259	175	206	190	224	251	197	151	154	154	-	189	335	-17	352	c,r	15		
16	168	161	153	162	203	224	269	252	158	203	239	232	259	278	295	295	244	210	186	143	137	136	140	127	-	201	350	112	238	c,r	16		
17	127	126	113	112	84	118	101	98	25	-34	38	-529	-273	88	20	71	-17	-470	172	-437	-7	-428	176	168	-	-23	2020	-2100	4120	o,r,s	17		
18	98	126	97	210	210	158	45	160	-21	326	263	227	276	189	133	224	48	119	132	147	178	238	224	176	-	166	629	-1096	1725	c,s	18		
19	98	-143	-248	-718	-2	-21	147	165	196	238	92	67	154	157	146	105	140	111	1	92	1	-14	1	-46	-	-	-	-	-	-	-	c,s	19
20	85	77	126	85	119	151	154	186	182	126	210	168	133	196	6	133	-14	-144	-84	-59	-133	-14	84	154	-	81	539	-673	1212	o,s,r,d,m	20		
21	28	-14	69	172	154	171	129	196	224	182	210	227	196	175	146	126	45	-60	-13	7	-43	-13	112	154	-	106	318	-259	577	o,s	21		
22	64	63	73	126	140	120	28	97	203	224	123	-146	165	154	104	153	168	119	112	98	97	154	154	140	-	114	283	-669	952	o,s	22		
23	126	116	140	154	139	88	140	182	196	209	196	221	222	238	238	223	259	231	172	154	46	52	27	-1	-	157	280	-27	307	c,hf,r	23		
24	-29	-15	-21	-32	-42	-36	14	42	154	182	165	119	154	136	127	106	98	84	95	84	84	112	81	101	-	73	211	-70	281	c,m	24		
25	69	0	-43	14	41	28	39	129	161	168	165	153	137	129	126	127	112	157	126	165	158	130	98	42	-	101	225	-111	336	c,m,hf	25		
26	14	11	27	13	0	-22	21	69	111	98	-46	-1126	-399	-32	94	209	336	248	232	210	224	252	256	210	-	-42	1802	-2100	3902	c,hf,r	26		
27	211	221	210	238	241	238	231	280	294	229	209	182	161	154	132	154	140	182	193	181	217	144	115	112	-	195	307	111	196	c,hf,r	27		
28	84	83	70	98	154	217	252	241	255	104	98	78	43	84	143	224	293	196	-17	-88	-112	-113	-101	-112	-	91	385	-304	689	c,hf,r,d,m	28		
29	-98	-168	-168	-154	-165	-214	-102	136	241	249	266	252	252	241	266	267	253	209	196	196	182	182	141	98	-	107	308	-281	589	b	29		
30	63	56	76	70	28	60	119	165	196	238	239	280	277	238	224	210	210	232	266	277	238	210	189	167	-	180	308	13	295	b	30		
31	143	119	97	71	84	137	154	179	182	218	237	225	203	238	216	182	203	252	258	286	273	252	232	182	-	193	307	70	237	b	31		
A	162	166	161	154	167	182	219	231	235	240	245	254	228	236	236	243	254	240	236	223	231	210	198	176	-	215							
N	66	53	433	437	66	77	90	143	170	167	172	105	144	163	167	174	169	149	152	118	126	102	88	-	-	117							

Avril - April

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]

1978
TMGr - GMT

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	
Date																																	
1	154	129	80	48	57	84	126	164	206	210	196	204	218	225	252	214	223	252	238	210	262	266	209	195	184	184	279	32	247	b	1		
2	112	111	113	126	76	109	102	87	73	111	108	118	130	140	-88	137	1	105	63	36	83	76	-8	8	-	-	-	-	-	-	-	2	
3	42	-2	84	59	55	46	31	24	35	62	83	70	98	56	-14	63	85	55	10	28	38	63	43	28	-	49	112	-70	182	o,r	3		
4	14	-18	-10	-14	42	43	42	35	13	11	28	29	73	70	60	95	27	-1	-15	-42	-77	-15	15	56	-	19	126	-113	239	o,r	4		
5	56	67	56	73	39	-14	-15	24	70	112	112	140	154	148	171	176	189	207	224	209	211	196	165	162	-	122	241	-31	272	c	5		
6	153	133	119	160	203	228	202	183	153	154	140	140	137	126	140	140	154	216	241	308	304	196	123	73	-	172	406	46	360	b,hf	6		
7	112	209	165	168	238	300	302	231	238	211	164	168	154	189	196	182	259	308	199	252	252	253	140	91	-	208	350	64	266	c,s	7		
8	77	69	41	49	34	42	171	182	154	154	154	140	140	154	167	196	225	333	521	574	637	602	398	-	224	658	-7	665	c,g	8			
9	392	294	266	235	302	339	440	406	385	203	129	105	112	125	136	140	185	224	309	372	322	259	210	239	-	255	546	98	448	c,hf	9		
10	216	167	97	90	143	231	224	199	207	168	162	158	154	146	129	133	140	165	182	154	126	126	115	98	155	155	265	74	191	b,hf	10		
11	83	81	67	63	56	59	70	126	158	141	126	126	147	122	155	157	140	168	133	83	49	13	0	-11	-	96	188	-14	202	c,r	11		
12	-7	0	3	27	-22	14	101	109	87	56	56	10	-294	-302	1	1	-714	164	28	127	189	70	85	155	-	-	-	-	-	-	o,r,s	12	
13	140	66	169	31	98	-144	-102	-182	134	-1344	-399	-185	-672	-336	(378)	-962	-29	-454	-4	-17	-28	-84	-84	1	-	-	-	-	-	-	-	o,m,r,s	13
14	756	-42	42	-35	-92	-281	14	21	34	91	98	-105	108	57	45	-126	129	106	101	139	154	162	151	169	-	71	1722	-995	2717	o,r	14		
15	167	154	158	126	84	97	42	76	153	181	224	252	196	222	94	129	189	224	336	385	176	277	253	421	-	192	521	-56	577	c,r,hf,f	15		
16	91	92	63	168	413	360	196	362	336	225	175	157	56	112	126	112	137	154	168	252	182	182	224	182	-	189	538	-11	549	o,f,m,hf	16		
17	168	130	98	42	63	84	101	-294	-773	-462	1126	903	-210	-70	137	22	-416	-676	-241	-162	-73	-42	-56	28	-	-25	1928	-1869	3797	o,d,r,s	17		
18	-84	49	115	112	155	217	154	169	154	71	111	0	-490	-365	-92	18	39	-14	168	106	38	-286	-445	-38	-	-31	1898	-2100	>3998	o,r,d	18		
19	28	119	-24	-42	-28	-3	-54	-27	-27	70	126	157	207	279	1	1	197	-176	1	62	122	99	189	130	-	-	-	-	-	-	-	o,d,l,r,m	19
20	139	139	55	92	111	182	157	88	154	154	112	112	154	141	155	183	154	141	193	231	209	160	140	127	-	145	238	0	238	c	20		
21	137	126	84	56	112	175	202	206	259	238	143	>336	25	49	139	140	126	112	98	199	182	112	130	127	-	>146	>2100	-183	>2283	c,r	21		
22	210	185	148	199	112	154	199	210	<584	>84	<252	-101	126	193	168	161	153	197	-294	210	168	202	210	214	-	95	>2100	<-2100	>2200	c,r,m,l	22		
23	63	91	125	98	77	42	132	174	199	238	222	189	182	182	175	144	143	175	280	273	258	260	291	298	-	180	357	-8	365	b	23		
24	297	253	160	182	52	113	189	126	168	143	154	542	>739	160	150	151	196	141	238	178	143	112	84	84	-	>198	>2100	-1764	>3864	c,r	24		
25	>416	>349	28	28	98	118	55	133	126	<-168	-46	>542	1	196	249	210	168	168	-14	168	214	221	196	224	-	-	-	-	-	-	-	c,r,l	25
26	168	188	195	141	155	113	202	207	224	154	157	168	196	197	202	204	224	224	252	286	252	252	214	-	-	201	315	13	302	o,r	26		
27	210	210	214	239	218	206	167	161	143	129	136	136	141	160	139	147	154	165	155	126	139	197	105	28	-	159	260	0	280	o	27		
28	71	70	70	95	112	154	154	181	181	182	160	140	126	126	115	112	139	158	154	155	122	83	112	105	-	128	202	42	160	c	28		
29	98	94	84	93	126	169	169	168	154	140	126	98	88	95	112	127	129	154	182	227	210	168	143	129	137	137	280	77	203	b	29		
30	126	99	98	112	137	146	178	168	154	118	97	95	98	66	70	13	69	98	67	55	62	105	127	151	-	105	196	-42	238	c,r	30		
A	163	147	126	121	137	168	192	187	210	178	154	147	153	161	159	155	164	179	231	263	221	207	191	172	178	178							
N	>154	>122	99	94	108	113	132	124	<99	61	<131	162	>79	<88	<130	<85	<96	100	130	170	162	<144	<154	141	120	120							

Mai - May

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]

1978
TMGr - GMT

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
Date																																
1	168	168	45	28	57	13	28	-10	-13	56	-14	-7	-38	-67	-102	-151	-189	-307	-336	-559	-796	<-1302	<-1021	-806	-	<-215	546	<-2100	>2646	o,r	1	
2	-298	-55	-102	-230	-340	<-798	-666	-130	-462	-97	28	-42	-28	-27	56	-4	42	49	27	63	15	0	-21	-29	-	<-120	1226	<-2100	>3326	o,r,m	2	
3	10	-22	-13	-1	-35	-18	115	126	196	221	230	210	224	248	224	252	269	280	276	270	281	277	252	238	318	318	626	126	500	c,r,wind	3	
4	238	276	252	222	228	269	392	452	434	255	182	188	224	266	249	238	238	211	325	473	517	601	514	398	205	318	626	126	500	b	4	
5	393	213	322	224	294	297	209	252	232	213	209	182	167	154	154	157	182	182	196	196	199	154	122	112	126	205	205	524	87	437	b	5
6	99	98	84	98	105	125	153	168	-	125	98	112	129	98	84	98	92	125	178	196	224	287	196	101	-	-	-	-	-	-	c,d	6
7	154	-160	-127	-167	-126	-28	56	-168	-27	-70	-255	-195	-238	-185	-182	-129	-98	-62	-87	-14	29	4	56	84	-	-81	613	-798	1411	o,r	7	
8	56	83	125	207	237	238	277	287	280	252	227	224	230	130	63	71	81	56	63	70	56	52	70	98	-	147	309	-13	322	o	8	
9	112	119	154	111	133	126	154	186	188	179	167	116	42	122	7	<-126	154	42	328	-43	149	29	42	1	-	<-105	2037	<-2100	>4137	o,r	9	
10	41	84	84	88	98	129	134	126	29	14	1	32	70	29	71	42	134	-99	190	-55	-336	<-319	<-529	<-1974	-	<-80	1470	<-2100	>3570	o,r	10	
11	-1336	<-134	1	122	267	-84	14	35	132	113	126	125	126	56	118	151	196	199	269	322	371	210	154	154	-	-	-	-	-	-	o,r,s,s	11
12	85	171	169	186	196	197	168	127	126	116	105	101	84	164	126	133	140	154	175	235	199	183	99	98	-	147	290	28	262	c,r,s	12	
13	102	99	112	112	169	183	193	140	154	127	101	108	29	101	97	98	126	147	155	167	182	154	125	99	-	131	228	84	144	c	13	
14	112	87	119	158	168	164	139	143	141	115	95	84	84	66	70	71	84	87	73	95	113	125	112	126	-	110	196	57	139	c	14	
15	112	84	85	129	126	83	11	125	126	126	102	95	88	105	98	28	26	77	126	168	189	210	239	189	-	115	252	-27	279	c	15	
16	164	160	210	172	122	126	137	27	15	63	109	98	85	69	81	84	81	69	70	56	56	63	120	120	-	98	210	-42	252	c,r	16	
17	140	134	91	7	-64	56	95	137	140	140	<269	>266	1	-28	70	70	70	56	84	169	259	185	127	98	-	-	-	-	-	-	c,l,r	17
18	158	204	169	98	67	84	140	126	122	84	42	26	67	84	80	71	76	80	88	126	151	143	126	122	-	107	266	-25	291	c,r	18	
19	105	101	92	113	126	134	126	127	113	112	113	127	112	112	105	106	112	112	122	206	218	168	126	105	-	125	248	88	160	c	19	
20	84	118	126	97	84	137	130	154	153	119	71	67	56	73	84	98	126	175	266	224	266	242	196	195	-	139	304	42	262	c	20	
21	164	164	154	140	197	225	196	183	126	98	95	57	45	56	62	91	105	139	172	196	202	188	199	195	144	144	280	28	252	c	21	
22	183	189	196	163	168	202	210	182	171	116	63	18	-32	-62	69	141	92	116	139	155	168	69	109	112	-	123	238	-360	598	o,r	22	
23	126	126	139	140	112	116	134	153	130	136	130	165	-84	-3	73	210	182	168	175	249	238	196	140	98	-	135	272	-507	779	o,r	23	
24	49	60	57	70	84	119	147	126	104	70	62	22	28	56	56	70	84	>1134	1	76	123	213	141	171	-	-	-	-	-	-	c,l,r	24
25	115	155	112	85	34	8	-56	-10	<-176	-196	-11	42	-14	1	24	112	126	126	133	141	134	102	105	332	-	-	-	-	-	-	c,f,r,h,l	25
26	84	139	42	-21	-80	-17	-63	-41	83	126	21	56	140	97	-67	>294	-107	186	[196]	175	112	112	88	71	-	-	>68	>2100	-1777	>3877	c,r	26
27	98	83	35	57	71	155	171	175	179	160	137	<-374	<-1239	<-1730	-	-370	73	189	336	413	249	262	290	179	-	-	-	-	-	-	c,l,r	27
28	221	266	262	154	71	104	181	209	225	210	183	222	210	182	182	196	154	171	154	235	259	232	200	182	194	194	326	41	285	c	28	
29	189	188	165	155	154	167	183	203	224	269	224	224	193	195	202	202	193	175	168	182	210	196	209	183	194	194	315	144	171	b	29	
30	182	169	151	151	168	171	181	224	224	238	206	217	224	225	196	206	210	238	249	364	329	350	304	283	228	228	476	140	336	c	30	
31	266	185	207	252	248	298	319	300	322	269	197	193	181	196	202	224	216	244	246	309	379	330	238	196	251	251	448	161	287	b	31	
A	162	153	163	146	152	173	194	199	200	179	162	167	170	172	167	179	183	173	184	225	237	220	193	171	182	106	106	-	-	-	-	-
N	77	<123	117	101	101	<97	123	133	<123	128	<106	96	<40	<26	85	89	106	>146	152	157	152	<119	<101	<50	-	-	-	-	-	-	-	-

Jun - June

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]

1978
TMGr - GMT

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	
Date																																	
1	182	171	168	225	193	279	280	237	183	168	154	144	84	84	84	76	122	130	168	206	189	168	151	189	168	168	168	326	50	276	b	1	
2	168	126	126	126	151	155	118	197	126	140	112	115	139	153	196	161	182	210	224	251	238	206	220	210	210	210	216	169	423	-81	504	c	2
3	228	210	168	165	242	259	322	333	235	238	210	192	153	126	125	136	151	161	182	269	375	295	249	172	210	216	216	518	112	406	b	3	
4	158	126	101	111	153	192	234	199	154	161	144	143	153	140	130	115	112	130	115	171	214	224	210	168	168	157	157	286	84	202	c	4	
5	171	126	154	171	238	294	300	256	168	196	126	130	115	112	98	112	108	113	112	182	224	269	224	210	210	175	175	347	84	263	b	5	
6	186	101	111	127	98	200	252	210	154	109	<126	1	1	280	125	-160	<693	-118	137	154	151	98	81	74	74	-	-	-	-	-	c,r,t	6	
7	81	67	70	84	84	74	116	113	168	172	153	105	101	98	84	83	74	83	84	>517	1046	125	74	56	56	-	>155	>2100	21	>2079	c,l	7	
8	-39	70	130	84	98	112	109	140	102	140	165	141	176	181	308	>790	<294	42	42	32	14	1	-28	-55	-	103	>2100	<-2100	<2200	c,r,m,t	8		
9	-71	-101	-52	101	139	154	181	181	181	196	195	185	225	196	172	168	129	102	130	137	168	164	126	88	88	-	129	267	-155	422	c	9	
10	88	88	88	88	50	80	137	186	154	161	143	>416	1	76	-328	-70	143	153	167	183	154	141	126	102	102	-	-	-	-	-	c,r,l	10	
11	98	112	101	154	182	223	252	252	182	154	249	210	155	95	253	252	195	196	172	168	185	197	197	179	179	-	184	358	-231	589	c,r	11	
12	169	167	97	-256	-294	81	179	-8	-185	8	-143	-42	112	-39	1	-25	-193	97	147	155	97	88	88	55	55	-	15	675	-1298	1973	o,r,d	12	
13	92	210	210	84	55	25	-248	-336	120	165	253	266	35	294	<-84	<-399	529	245	251	263	209	169	97	56	56	-	<102	2024	<-2100	>4124	o,d,r,l,t	13	
14	84	14	56	59	42	-84	25	84	116	181	153	154	91	34	1	-143	189	252	280	403	420	389	175	112	112	-	-	-	-	-	o,d,r,l	14	
15	266	193	224	179	14	69	182	266	228	168	140	112	127	122	119	126	155	182	189	200	332	293	232	266	266	-	184	416	-83	499	c,r	15	
16	329	328	328	378	249	286	[266]	266	238	203	168	1	<-220	154	139	154	168	193	230	294	328	374	293	293	293	-	-	-	-	-	-	c,r	16
17	224	168	151	218	224	241	206	179	181	139	129	130	98	123	116	95	80	111	140	140	126	112	153	154	154	-	152	300	69	231	c	17	
18	154	129	144	116	172	210	263	238	252	210	234	164	195	143	224	210	210	238	284	308	392	420	409	385	385	-	238	532	67	465	c,r	18	
19	266	196	241	244	182	249	222	269	252	222	196	195	196	154	132	1	<-391	85	196	267	336	298	269	246	246	-	-	-	-	-	-	c,r	19
20	251	311	258	190	183	252	224	154	126	70	97	116	112	84	70	123	98	98	112	158	154	196	188	158	158	-	158	364	-28	392	c	20	
21	140	154	169	118	84	136	200	157	221	154	98	91	81	81	84	80	95	101	109	155	176	223	193	140	140	-	135	266	69	197	c	21	
22	168	111	126	130	119	98	133	162	130	112	83	73	94	39	81	84	101	123	153	168	116	182	200	188	188	-	124	266	-70	336	c	22	
23	196	140	115	172	154	74	-14	-1	88	153	1	<-228	-126	29	1	193	-14	49	120	41	-11	0	7	38	38	-	-	-	-	-	-	c,t,l,r	23
24	63	56	42	70	126	181	238	241	232	185	140	1	-21	-328	28	15	85	139	199	136	122	151	165	-6	-6	-	-	-	-	-	-	c,t,l,r,m	24
25	-56	-14	-28	-178	-202	1	280	-52	-63	-336	-266	-88	97	154	196	147	126	139	137	168	130	112	113	111	111	-	-	-	-	-	-	o,r	25
26	98	94	87	81	98	<294	<-714	<-311	<-1079	1	1	-220	<-315	<-433	-252	-903	-546	-409	-133	32	84	-39	-17	-80	-80	-	-	-	-	-	-	o,r	26
27	-237	-95	-43	-41	-46	36	22	101	137	196	151	168	168	182	133	109	112	112	140	186	210	213	125	112	112	-	90	291	-294	585	c,d,r	27	
28	84	85	133	56	168	224	272	186	190	116	43	63	56	<-290	1	63	25	7	11	21	-24	41	55	70	70	-	-	-	-	-	-	c,r	28
29	63	81	84	-59	-70	-328	-907	-680	-609	-283	11	11	43	63	59	77	17	74	196	315	133	67	0	29	29	-	-76	560	-1252	1812	o,r,d	29	
30	17	22	43	154	224	265	308	273	235	224	186	168	200	199	224	224	224	256	277	389	545	357	235	532	532	-	241	630	-56	686	c	30	
A	173	151	151	158	163	197	222	209	176	158	131	135	135	136	109	120	135	151	166	214	229	228	201	183	183	-	174	-	-	-	-	-	-
N	121	115	120	102	104	<149	<114	<137	<89	122	<114	107	<98	<77	<93	65	<43	110	152	>202	228	184	154	142	142	-	123	-	-	-	-	-	-

juillet - July

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]

1978
TMGr - GMT

h Date	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	378	365	329	126	197	364	398	279	197	154	154	161	161	151	140	160	141	140	224	234	209	197	137	101	-	212	529	-14	543	c,f	1	
2	91	98	123	84	115	32	28	>252	214	580	496	>1386	<454	11	28	126	133	147	182	210	228	224	126	67	-	81	>2100	<2100	>2200	c,r	2	
3	126	56	41	42	13	132	167	213	196	196	159	154	176	43	56	112	84	109	70	118	140	126	98	90	-	113	322	-42	364	c,r	3	
4	31	29	84	41	42	175	346	[314]	283	295	277	265	244	224	190	154	228	302	134	<517	-13	50	44	50	-	488	2012	<2100	>4112	c,r,t	4	
5	319	41	71	202	66	44	410	280	178	262	260	224	308	153	1	252	521	<281	<172	<764	<80	311	294	409	-	-	-	-	-	-	c,r,l,t,h	5
6	301	337	195	252	91	153	377	234	419	351	336	311	280	225	70	150	94	49	56	1	57	70	2	57	-	-	-	-	-	-	c,r	6
7	80	99	87	98	112	28	6	127	21	290	206	183	164	56	17	45	4	17	49	101	28	71	57	84	-	29	1134	-1512	2646	c,r	7	
8	56	55	41	15	4	28	88	109	137	143	181	[167]	144	140	63	42	39	29	559	115	52	62	38	42	-	55	2058	-1554	3612	c,r	8	
9	42	21	15	15	3	28	4	28	15	56	55	28	13	41	1	239	74	31	22	11	42	239	69	196	-	-	-	-	-	-	c,r	9
10	385	213	224	235	182	98	13	42	76	203	266	21	18	78	22	84	49	70	67	151	256	290	340	190	-	107	1676	-1390	3066	c,r	10	
11	189	235	349	308	126	49	147	259	294	302	97	<298	1	<769	29	1	>92	-6	77	112	186	178	185	141	-	-	-	-	-	-	c,r,l,t	11
12	104	99	84	85	124	22	224	241	164	112	76	4	24	14	14	56	31	104	127	125	58	143	252	-	97	328	-140	468	c	12		
13	181	85	210	203	56	105	171	161	214	218	129	101	112	98	126	112	98	140	182	183	168	92	95	98	-	139	336	-36	372	c,r	13	
14	126	112	121	238	238	94	28	90	118	181	164	150	136	98	102	105	127	136	10	42	28	39	129	28	-	108	329	-126	455	c,r	14	
15	14	13	64	14	28	126	224	188	120	84	52	66	148	91	94	126	125	134	169	182	168	158	140	151	-	110	273	-78	351	c,r	15	
16	127	84	84	81	81	98	[126]	182	220	218	196	196	59	15	84	98	143	154	171	225	262	283	224	147	-	147	308	-496	804	c,r	16	
17	98	55	59	14	35	112	127	139	155	164	137	224	207	164	165	154	141	84	25	112	112	118	99	126	-	75	1390	-1428	2818	c,r	17	
18	115	91	74	48	112	196	255	276	277	186	172	189	153	114	134	137	168	196	232	237	238	168	140	137	-	168	396	0	396	c	18	
19	112	112	123	140	164	158	203	182	109	14	4	<731	144	140	840	<525	181	203	126	168	280	420	364	365	-	24	>2100	<2100	>2200	c,r,l,f	19	
20	56	441	364	312	356	279	238	129	56	98	99	182	59	14	94	80	80	17	45	55	7	70	123	227	-	92	1264	-1764	3028	c,m,r	20	
21	231	304	347	298	157	21	57	97	88	11	14	>626	<332	164	1	126	140	21	70	287	259	196	196	140	-	-	-	-	-	-	c,r	21
22	115	84	77	53	195	263	179	46	41	86	63	202	1	140	154	<924	66	<92	32	70	227	0	112	133	-	-	-	-	-	-	c,r,l	22
23	213	311	251	154	35	87	133	14	73	129	239	137	147	127	126	88	43	228	279	286	300	210	147	175	-	84	357	-458	815	c,r	23	
24	161	42	118	120	84	17	111	(126)	238	265	294	171	151	126	125	157	168	227	297	211	252	186	238	308	-	134	420	-405	825	c,d	24	
25	222	209	171	136	126	210	329	319	258	182	154	130	98	70	71	78	98	127	179	157	196	98	196	168	-	167	350	39	311	c	25	
26	175	165	199	228	119	155	235	182	150	140	113	59	70	84	59	14	55	94	56	112	211	206	168	143	-	133	459	-7	466	c	26	
27	126	109	112	155	153	141	168	189	165	154	139	111	101	112	125	154	182	225	266	291	265	210	169	154	-	166	322	70	252	b	27	
28	224	224	168	164	224	266	238	266	50	28	97	111	56	14	113	126	153	183	[225]	206	[197]	168	185	167	-	161	301	-27	328	c	28	
29	168	154	140	140	168	200	211	202	84	70	56	69	70	77	84	104	112	140	143	154	213	224	196	165	-	138	252	35	217	c	29	
30	196	185	154	105	126	148	155	126	98	111	126	118	112	108	105	95	104	123	196	196	154	154	98	91	-	133	235	73	162	b	30	
31	109	105	126	153	112	169	196	169	106	97	98	98	98	87	84	>315	273	99	154	255	220	228	178	168	-	-	>154	>2100	-739	>2839	c,l	31
A	149	140	127	135	136	171	232	225	170	143	145	173	151	122	123	124	139	153	196	199	220	189	160	149	-	167	-	-	-	-	-	-
N	28	20	26	10	35	84	146	>163	130	89	105	138	486	<51	>113	32	>112	<70	<122	<80	<103	64	68	44	-	80	-	-	-	-	-	-

Août - August

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]

1978
TMGr - GMT

h																									A	N	Max.	Min.	Ampl.	L'indication du temps Type of weather	Date		
Date	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								
1	154	140	126	125	151	183	223	182	140	125	126	98	84	112	126	102	97	105	132	167	182	196	175	175	143	143	225	70	155	c	1		
2	147	111	112	102	161	207	255	304	221	147	141	127	94	20	-15	-42	14	118	168	172	182	154	105	70	-	126	321	526	c	2			
3	64	56	49	57	52	28	-35	-113	-95	25	83	77	73	112	70	88	39	-840	-323	-8	-168	-20	28	-59	-	<-17	1369	<-2100	>3469	c,r,l	3		
4	-126	-153	-84	-126	-98	-130	-99	-41	-98	-39	28	-76	340	1	-36	35	55	12	22	82	56	53	77	84	-	-	-	-	-	-	c,l,r	4	
5	70	43	73	118	97	69	95	112	101	55	43	57	76	70	57	73	83	56	43	22	55	80	42	27	-	67	154	-59	213	c,r	5		
6	69	28	42	71	56	81	87	70	109	130	154	115	<-521	>172	21	<-288	1	<-200	-24	-140	-130	-195	-222	-155	-	-	-	-	-	-	c,t,l,r,m	6	
7	-57	-87	-210	-151	-210	-221	-161	-143	-28	87	214	146	102	-14	70	23	164	146	147	<-479	<-1361	26	-66	34	-	<-81	1814	<-2100	>3914	c,m,r,l	7		
8	84	85	<-181	<-365	<-286	<-865	<-50	<-454	-251	-130	55	-67	-17	-224	-279	-150	-55	116	181	<-172	14	-8	20	-42	-	<-35	2050	<-2100	>4150	c,m,l,r	8		
9	-14	7	-41	189	76	76	-305	-241	-298	-286	-8	-364	-223	-300	-256	-283	-363	-267	-210	-102	-221	-196	-64	-	-	-181	2037	-1903	3940	c,r,l,wind	9		
10	-15	-4	-13	-15	13	99	93	84	56	39	112	98	125	112	126	134	125	141	206	179	294	286	126	76	-	103	337	-294	631	c,r,wind	10		
11	53	56	104	70	<0	77	137	244	196	196	154	-101	34	97	64	136	141	112	32	50	55	116	91	14	-	<-89	668	<-2100	>2768	c,r,l	11		
12	-52	-126	-112	-88	-119	-36	13	132	168	195	168	<-294	1	<-126	-127	255	21	120	92	55	60	7	84	99	-	-	-	-	-	-	c,r,l	12	
13	39	52	-6	-56	-4	-18	-71	-53	11	14	78	77	119	132	104	77	-118	112	32	-55	57	28	-13	-17	-	22	290	-1828	2138	c,r	13		
14	59	60	57	70	88	185	190	171	182	176	-28	28	-38	28	81	73	84	-46	56	41	59	49	42	28	-	71	412	-504	916	c,r	14		
15	0	-11	-48	21	27	49	60	14	39	39	66	48	70	56	101	126	81	82	179	169	164	87	69	56	-	64	252	-302	554	c,r,m	15		
16	34	42	42	42	63	55	13	-55	-168	-153	-171	-155	-321	-262	-259	-169	-3	123	147	153	147	137	130	113	-	-20	168	-581	749	c	16		
17	81	66	29	67	-21	-60	-29	-18	112	12	3	-21	10	42	81	130	88	56	55	186	333	224	139	168	-	72	1394	-1588	2982	c,m,r	17		
18	126	-164	>798	1	<-840	-357	-123	-182	-101	-49	0	-8	-7	70	-67	-71	-143	-265	-101	-364	-192	-227	-293	-130	-	-	-	-	-	-	-	c,m,r	18
19	-126	<-626	<-773	<-764	<-255	1	<-1063	-840	<-731	-626	>-42	-773	-508	-196	-151	-227	1	1	-150	-101	-225	-175	-239	-277	-	-	-	-	-	-	-	c,r	19
20	-286	-218	-171	-168	-127	-28	<-22	-81	-59	-56	-59	-21	-97	-24	4	50	-15	113	1173	225	227	127	42	168	-	-13	308	-407	715	c,r,m	20		
21	101	4	31	193	328	276	217	113	25	92	84	64	87	83	105	140	195	186	175	256	322	232	168	227	-	154	589	-154	743	c,f	21		
22	175	136	63	56	55	101	182	186	154	125	82	56	12	74	56	90	130	179	168	182	239	106	92	70	-	116	350	-22	372	c,m	22		
23	84	80	70	57	77	95	46	-1	25	28	45	49	80	49	113	-71	-218	-172	-46	14	-28	-84	-55	95	-	14	476	-543	1019	c,r	23		
24	125	77	130	109	109	137	283	246	218	155	143	112	140	154	129	150	144	122	4	59	10	59	84	28	-	123	381	-231	612	c	24		
25	83	73	53	92	154	189	154	167	218	112	101	168	176	154	111	77	92	140	22	88	-25	49	42	14	-	105	266	-497	763	c,r	25		
26	70	80	77	53	80	77	84	125	112	143	-68	>220	56	69	115	165	202	1	378	-17	-184	-70	-28	35	-	-	-	-	-	-	-	c,r	26
27	42	88	77	66	126	>454	-35	129	140	237	195	252	297	84	130	246	137	<-129	1	>266	57	84	143	168	-	-	-	-	-	-	-	c,r,h	27
28	150	168	161	91	-28	-90	26	56	-160	-122	-27	122	221	101	57	50	<-38	-74	-43	43	127	112	182	203	-	<-54	802	<-2100	>2902	c,r	28		
29	178	168	154	115	84	168	182	210	226	269	239	196	-	-	168	153	55	73	14	-14	-13	-3	14	42	-	-	-	-	-	-	-	c,r	29
30	43	158	-176	-119	-231	-238	-276	-316	-162	-76	39	27	67	230	210	>59	<-634	43	1137	13	112	186	153	99	-	12	>2100	<-2100	>4200	c,m,r,l	30		
31	1	-298	-171	-328	-465	-449	-298	4	-63	-35	-294	-756	-475	-308	-105	91	126	168	256	182	-95	18	36	69	-	-	-	-	-	-	-	c,m,r	31
A	109	85	80	82	89	141	188	185	165	144	141	122	84	98	88	106	125	122	114	133	157	142	124	123	-	123	-	-	-	-	-	-	
N	44	<3	8	<10	<17	3	<-7	<30	<8	27	>53	-10	<-5	23	24	62	<75	<1	63	34	<7	46	31	39	-	23	-	-	-	-	-	-	

Septembre - September

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]1978
TMGr - GMT

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	
Date																																	
1	56	-126	28	-11	8	-167	115	207	224	158	56	126	176	155	164	168	168	172	136	134	141	235	129	-25	-	-	101	357	-421	778	c	1	
2	71	130	147	27	-38	-217	-291	-330	-389	-351	-308	-286	-196	-64	-25	-76	-17	-962	-42	-87	41	67	46	188	-	-	<-124	2050	<-2100	>4150	c, d, r	2	
3	151	141	112	144	<-214	>126	-56	-25	154	525	<-221	1	<-546	253	252	146	1	-298	35	133	166	210	235	227	-	-	-	-	-	-	-	c, r, l	3
4	-17	-56	0	197	200	181	127	<-181	248	382	256	1	-63	118	98	258	298	165	126	109	139	-42	-6	11	-	-	-	-	-	-	-	c, r	4
5	-73	-69	-183	-336	-45	-1	125	274	333	322	245	162	235	193	249	207	164	155	127	69	144	101	126	39	-	-	108	392	-580	972	c, r	5	
6	21	-41	14	49	62	-1	120	203	213	228	190	182	193	186	188	200	154	316	(378)	326	235	112	84	25	-	-	152	518	-67	585	c, m	6	
7	42	83	98	60	39	34	64	182	196	183	182	154	129	154	101	36	39	39	20	63	98	70	43	-134	-	-	82	213	-249	462	c, m, r	7	
8	>-307	>168	>127	378	-161	-8	-57	-63	42	-6	-167	-36	-77	-143	-97	-108	-144	-101	-265	39	31	-35	-28	21	-	-	>5	>2100	-2087	>4187	c, r, m	8	
9	-17	-14	-62	25	28	-25	-122	-94	144	337	246	169	162	118	95	102	87	109	104	168	126	50	59	-28	-	-	75	406	-204	610	c, m	9	
10	-140	-81	-130	-196	-123	-258	-245	-168	153	27	98	31	88	125	98	70	-286	-260	-659	-315	-321	-227	-158	8	-	-	-111	279	-700	979	c, m, r	10	
11	123	185	179	137	-6	-11	-175	-126	-218	-111	-95	3	81	24	-307	-132	-67	-17	63	1	1	-140	-168	-84	-	-	-	-	-	-	-	c, r, l	11
12	-3	56	78	11	0	90	154	146	90	-41	(199)	<-83	<-133	112	182	203	210	132	161	155	129	84	59	53	-	-	<85	253	<-700	>953	c, r	12	
13	28	66	81	63	57	84	35	39	55	95	81	104	115	112	168	188	182	204	252	185	137	148	17	130	-	-	110	300	-73	373	c, m	13	
14	182	87	-14	-151	223	-221	-83	-34	56	111	98	153	154	263	272	112	55	-73	3	-13	62	102	81	6	-	-	60	330	-434	764	c, m, r	14	
15	-92	<-97	<-281	-168	-322	-239	-252	-171	-17	235	179	207	211	227	179	210	176	92	4	28	56	39	123	151	-	-	<44	1991	<-2100	>4091	c, m, r	15	
16	140	62	-50	0	6	-80	64	151	146	53	-69	-87	24	-155	167	140	168	185	220	182	84	81	29	-17	-	-	61	245	-700	945	c, r, wind	16	
17	25	70	-43	85	-85	-64	-8	42	(197)	-	367	406	448	392	195	-171	-63	101	42	17	168	210	210	182	-	-	-	-	-	-	-	c, r, wind	17
18	161	154	168	157	168	193	272	(294)	291	322	(333)	-	-	-	197	182	202	154	98	139	92	32	25	-87	-	-	-	-	-	-	-	c, r, wind	18
19	-84	-11	69	42	10	42	20	-43	-118	(-237)	<-286	-235	-76	136	-84	78	<-328	-160	11	56	42	-78	-220	-	-	-	<-60	1987	<-2100	>4087	c, r	19	
20	-137	-309	-53	-98	-112	-104	-45	127	216	252	227	213	224	162	220	206	199	157	221	263	154	181	230	265	-	-	111	400	-686	1086	c, r	20	
21	57	11	-92	-95	-17	8	-28	-28	-84	-14	112	48	21	63	-42	-105	-360	-308	-336	-224	-132	-277	-8	21	-	-	-75	595	-1386	1981	c, r	21	
22	112	126	87	17	31	53	154	193	190	207	196	182	162	225	207	171	182	209	-20	13	136	109	113	104	-	-	132	297	-193	490	c, r	22	
23	239	225	85	63	94	-97	-151	-42	147	104	140	162	272	252	218	377	336	354	295	90	98	84	129	171	-	-	152	451	-347	798	c, r	23	
24	84	-15	-28	14	133	377	284	441	412	269	206	118	165	157	131	-6	10	53	28	-56	-67	-66	-193	234	-	-	94	546	-392	938	c, f, m, r	24	
25	-134	-109	-92	-50	-50	-25	-252	-363	-330	-269	-115	-56	28	4	48	-20	3	-57	8	-25	-147	-196	-244	-230	-	-	-111	158	-605	763	c, r	25	
26	-64	-45	-39	-55	-28	46	140	246	274	297	258	253	218	224	249	237	244	193	195	207	188	126	98	-6	-	-	142	343	-237	580	c, r	26	
27	155	428	109	183	112	70	-39	182	253	235	224	207	237	196	115	126	70	29	84	31	67	14	-13	-28	-	-	127	1726	-1638	3364	c, m, r	27	
28	-15	-39	-77	-48	-22	-42	-140	-60	-	-	28	29	25	56	-	-	-	-181	<-496	(29)	189	-183	-353	-91	-	-	-	-	-	-	-	c, m, r	28
29	-213	-221	-168	-196	-140	-318	-255	-251	-49	95	108	239	230	202	168	181	91	27	56	42	-69	7	-14	-60	-	-	-21	291	-546	837	c, m, r	29	
30	-28	24	21	252	241	-39	155	-84	-63	-8	-63	-28	-84	-168	94	(137)	714	-15	-210	-263	-182	31	-122	166	-	-	<20	1974	<-2100	>4074	c, r, m, f	30	
A	161	154	168	157	168	193	-	203	221	194	168	154	142	213	183	166	179	161	202	198	138	149	220	224	-	-	180						
N	11	27	59	17	<2	>-20	-12	<24	98	127	<85	<85	<78	116	129	<102	<103	<9	<21	<50	63	33	16	17	-	-	51						

Octobre - October

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]

ELECTRIC FIELD STRENGTH [V/m]

1978
TMGr - GMT

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	
Date																																	
1	32	-106	101	-209	-280	-339	-112	-224	-294	-193	-84	-17	-45	-42	-76	-99	-24	-20	-101	-118	-11	146	14	-59	-	-	-90	213	-476	689	c,m,r,d	1	
2	-76	-176	-42	-165	-192	-409	-188	-73	-56	76	165	162	168	174	266	266	323	526	602	400	95	59	48	81	-	-	85	661	-686	1347	c,r,m,f	2	
3	28	31	-39	-73	-13	-70	-94	-7	-28	81	48	74	36	25	28	0	27	3	-14	50	-160	45	48	43	-	-	3	599	-658	1257	c,d,r	3	
4	56	104	162	59	151	62	-29	62	94	238	193	22	48	45	84	-106	11	22	-8	-428	1	113	-342	-441	-	-	-	-	-	-	-	c,f,m,r,l	4
5	-417	-368	-311	-476	-462	-409	-532	-356	-31	-32	-92	-32	-53	-150	55	22	17	227	224	182	181	216	116	-165	-	-	-109	294	-700	994	c,r	5	
6	-381	-395	-361	-147	-168	-227	-	-	-326	-272	-280	-169	-218	-101	-101	-206	-98	6	155	235	221	-90	57	-56	-	-	-	-	-	-	-	c,r	6
7	-25	62	-111	-46	70	-161	-171	-116	-43	-48	106	43	22	196	120	67	17	53	99	76	-4	28	127	45	-	-	18	326	-675	1001	c,m,r	7	
8	-56	-125	-148	-28	164	115	-42	178	123	115	112	126	222	226	213	179	45	-28	-20	13	-11	-11	-76	-154	-	-	49	378	-283	661	b,f,m	8	
9	-213	-224	-238	-171	-286	-287	-210	-232	-265	92	112	185	182	196	190	157	-28	73	106	-35	-25	-81	-133	-151	-	-	-54	295	-399	694	b,f,m	9	
10	-182	-143	-126	-174	-258	-262	-171	-197	-97	-87	90	168	147	99	56	95	182	105	84	-266	-276	-29	294	714	-	-	-10	836	-599	1435	c,m,f	10	
11	874	623	640	571	361	470	[510]	564	234	202	129	298	371	308	312	266	291	238	197	113	168	281	412	290	-	-	363	966	-70	1036	c,f,m	11	
12	286	412	504	420	441	412	491	122	99	-42	-123	-73	238	176	168	151	230	171	151	150	129	154	141	53	-	-	203	588	-389	977	c,f,m	12	
13	146	108	101	62	69	81	48	112	108	144	238	314	463	546	487	282	302	260	235	167	162	179	224	168	-	-	210	596	-14	610	c,f,m	13	
14	179	165	119	84	116	183	109	232	252	364	232	396	442	375	350	196	56	-14	56	-27	-50	-95	-106	-129	-	-	145	504	-225	729	b,m	14	
15	-162	-151	-151	-228	-280	-308	-403	-307	-294	-277	-297	-252	-228	-249	-200	-173	-175	-308	-196	-336	-238	-182	-125	-62	-	-	-231	0	-588	588	c,f,m,d	15	
16	-101	-31	66	84	34	95	178	-10	-20	-56	64	36	20	21	28	101	83	112	84	22	64	46	34	34	-	-	43	307	-151	458	c,m,d	16	
17	-4	-11	21	11	17	31	-14	-28	-28	0	8	17	11	28	7	0	-6	84	116	28	-4	-24	11	25	-	-	12	210	-83	293	c,m	17	
18	15	11	-28	-85	-41	8	-18	11	141	-87	-55	28	106	31	15	-25	185	252	-59	-160	-134	-168	-84	-13	-	-	-6	479	-434	913	c,m,f	18	
19	-25	-223	-88	-252	-172	-123	-123	-189	-231	-122	-26	1	76	112	48	42	83	218	62	115	56	-14	-104	-81	-	-	-43	336	-382	718	c,m,d	19	
20	-99	-158	-157	-87	-101	7	[-174]	-284	-199	-308	-288	-125	-137	-129	-48	0	-3	42	71	-27	-63	-211	-381	-272	-	-	-131	213	-601	814	c,m,r	20	
21	-238	-168	-260	-164	-263	-353	-84	-22	-92	-202	-11	113	-113	-130	-98	181	294	459	[420]	382	258	-244	-92	-392	-	-	-434	1991	-2100	4091	c,r,s,l,hf	21	
22	-221	-95	-55	0	55	-3	98	192	202	245	189	160	168	185	168	70	59	-92	-286	-168	-1037	-238	84	-48	-	-	-415	325	-2100	2425	c,r	22	
23	-56	1	28	101	112	-165	-42	50	155	216	189	222	217	-53	-39	-116	-116	-13	[129]	172	125	123	112	66	-	-	59	279	-426	705	c,m,r	23	
24	53	-3	-45	32	66	123	98	223	274	266	286	363	351	360	325	[398]	420	406	392	364	232	-22	130	220	-	-	222	428	-84	512	c,r	24	
25	196	-36	-312	-227	-253	-392	-449	-409	88	-207	-56	17	88	<176	-3	-88	71	1	<122	193	207	204	199	176	-	-	-	-	-	-	-	c,r	25
26	-25	-28	-11	3	22	-84	-118	28	83	108	128	176	134	>550	-22	148	266	364	378	319	308	256	102	-50	-	-	>127	>2062	-650	>2712	c,r	26	
27	-164	-196	-172	-293	-339	-384	-420	-118	232	357	210	210	<105	1	613	-40	-21	42	-168	-168	-104	-190	-224	-244	-	-	-	-	-	-	-	c,hf,r,g,m,f	27
28	-308	-176	-133	-95	-315	-454	-459	-494	-161	-76	-50	-126	-125	-165	-53	-150	-176	-356	-413	-510	-452	-449	-428	-454	-	-	-275	77	-633	710	c,hf,r	28	
29	-455	-434	-350	-325	-340	-336	-325	-286	-322	-316	-316	-308	-36	-215	-325	-363	-316	-423	-444	-314	-221	-140	-95	-297	-	-	-305	35	-589	624	c,r,d,m	29	
30	-308	-263	-252	-216	-132	-69	-167	-222	-154	-29	-25	36	-20	115	91	98	22	113	118	57	-81	-84	-76	-56	-	-	-61	252	-409	661	c,d,r	30	
31	-70	-70	-49	-83	-81	-49	-25	-104	-113	-43	0	8	-22	-57	11	-52	-277	140	-73	-155	-113	-55	-42	-158	-	-	-64	42	-686	728	c,d,r,m	31	
A	-	-	-	-	-	-	232	201	221	204	264	289	276	289	281	357	364	358	264	258	230	-	-	-	-	273	-	-	-	-	-	-	-
N	-56	-67	-55	-68	-74	-106	-95	-64	-22	3	25	69	486	88	85	59	57	89	<58	11	<-26	>19	<5	-44	-	-3	-	-	-	-	-	-	-

Novembre - November

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]

1978.

TMGr - GMT

ELECTRIC FIELD STRENGTH [V/m]

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	
Date																																	
1	-308	-259	-92	-132	-118	-202	-202	-87	-101	-11	45	73	96	126	98	127	126	147	99	34	154	64	-14	0	-	-	-14	217	-435	652	o,f,m	1	
2	-13	-8	-130	-130	-168	76	3	27	-14	27	91	126	101	132	167	73	28	8	-15	-6	-11	-39	-90	-73	-	-	-7	238	-311	549	c,f,m	2	
3	-168	-294	-367	-181	-182	-204	-294	-188	-501	-252	-67	6	42	63	98	118	109	-3	-50	-67	-168	-126	-129	-84	-	-	-120	210	-616	826	b,f,m	3	
4	-112	-210	-81	-90	-115	-98	-185	-351	-224	-99	28	64	101	87	42	36	20	55	56	-13	-14	-6	-46	-84	-	-	-52	130	-423	553	c,f,m	4	
5	-56	-45	-76	-62	-45	-74	-81	-92	-70	-56	-3	28	98	64	42	64	43	28	31	112	140	137	123	112	-	-	-15	162	-143	305	c,m,d	5	
6	98	34	7	41	28	17	27	-14	-8	39	14	3	8	-106	-322	-357	-403	-364	-375	-350	-350	-330	-328	-290	-	-	-137	280	-511	791	o,d	6	
7	-266	-178	-45	-64	-183	-171	-25	-70	97	84	98	70	67	71	17	45	182	59	245	319	-130	252	311	-218	-	-	-24	630	-414	1044	o,m,d,f	7	
8	-381	-196	-20	-84	-42	-50	-62	-45	-113	-120	-168	-266	-242	-42	34	36	-42	-18	56	22	-32	-28	-115	-403	-	-	-97	238	-659	897	o,f,m,d	8	
9	-287	-409	-428	-274	-375	-315	-357	-248	-350	-196	-213	-154	8	67	129	150	139	249	3	-308	-241	-140	-98	-353	-	-	-168	322	-669	991	o,m,f,d	9	
10	-244	-336	-580	-546	-378	-202	-25	-151	-340	-207	-148	-169	-151	-85	-56	59	41	69	122	81	24	0	17	-29	-	-	-135	322	-1680	2002	o,f,m,d	10	
11	0	-49	-11	-91	22	-15	-119	-87	-185	-140	22	-34	15	-95	-43	-13	78	-15	112	53	112	73	81	160	-	-	-7	357	-431	788	o,d,m	11	
12	83	179	162	90	84	87	129	91	84	84	7	-32	53	-77	24	62	97	60	34	-34	-28	122	80	-155	-	-	-54	448	-321	769	o,m,d	12	
13	-224	-129	-321	-196	-137	-210	11	14	-22	22	106	190	165	126	70	25	-28	-56	-84	-126	-238	-224	-294	-269	-	-	-75	266	-574	840	c,m,hf	13	
14	-249	-235	-62	-56	-14	8	53	[76]	-87	-115	-129	-87	-101	-67	-11	56	99	-81	-112	-286	-525	-477	-554	-419	-	-	-141	140	-700	840	c,m	14	
15	-517	-364	-372	-222	-104	-22	-105	-28	-25	3	28	11	55	56	-29	11	227	222	226	126	3	-28	-182	-244	-	-	-50	267	-617	884	c,d	15	
16	-151	-70	-196	-185	-168	-98	10	154	238	242	221	229	169	143	179	174	140	98	11	14	-13	97	154	140	-	-	-66	274	-249	523	c,hf	16	
17	98	70	71	43	25	14	-28	6	28	34	106	154	182	171	137	84	28	-157	-171	-168	-139	-95	-77	-76	-	-	-14	196	-388	584	c,d	17	
18	-105	-140	-141	-136	-112	-154	-104	-76	28	14	-14	78	169	221	176	154	168	196	231	245	224	169	182	78	-	-	-56	280	-213	493	o,d,r	18	
19	6	92	112	112	109	108	115	113	101	162	202	[157]	[84]	125	252	266	319	395	440	420	384	328	274	182	-	-	202	485	-49	504	c,r	19	
20	119	70	56	39	-41	-27	112	228	221	222	168	182	143	154	98	102	115	84	-3	-88	-98	87	-154	-300	-	-	55	237	-336	573	c,m,hf	20	
21	-249	-213	-207	-182	-213	-218	-249	-266	-259	-274	-252	-137	-41	3	-22	-140	-126	-179	-321	-224	-309	-311	-277	-322	-	-	-208	14	-686	700	c,hf,m,f	21	
22	-279	-220	-146	-126	-104	-80	-227	-238	-118	-441	-361	-224	-196	-442	-554	-543	-532	-536	-434	-393	-350	-291	-266	-232	-	-	-306	164	-718	882	o,r	22	
23	-308	-416	-197	-97	-39	0	50	76	70	62	20	-70	-249	-269	-347	-323	-168	-98	-28	-45	-39	-22	-25	0	-	-	-102	99	-655	754	o,r,wind	23	
24	-45	-168	-218	-154	-365	-350	-349	-322	-224	-168	-31	10	35	34	41	27	22	35	14	84	78	69	95	70	-	-	-74	115	-630	745	o,r	24	
25	50	69	126	134	181	193	196	235	230	230	227	235	238	221	175	-56	28	18	-64	-32	-70	-183	-129	-115	-	-	-89	266	-428	694	c	25	
26	15	1	8	1	-14	-56	-113	-31	-18	-56	-94	-81	-66	-66	-101	-71	-20	25	-62	-126	-56	-34	-168	-67	-	-	-52	104	-482	586	c,d	26	
27	-70	-143	-92	-56	-22	-57	-84	-81	-105	-115	-56	-14	-10	118	336	42	92	199	38	-1298	659	-185	403	1	-	-	-	-	-	-	-	o,s	27
28	130	-563	1806	4609	462	-210	181	347	141	64	[22]	-15	-161	-38	-20	157	56	108	38	39	81	-279	-315	-458	-	-	-3	>2100	<2100	>4200	o,s,m,f,r	28	
29	-504	-823	-769	-882	-340	-378	-407	-235	-287	-280	-232	-139	-153	-112	-27	3	50	81	101	98	130	188	146	130	-	-	<-194	1243	<2100	>3343	o,r	29	
30	126	111	67	99	126	45	74	-25	-42	53	129	162	175	42	-174	-283	-473	-181	-231	-392	-308	-182	-133	-112	-	-	-55	252	-629	881	o,m,d,r	30	
A	98	70	71	43	25	-	-	154	230	233	186	161	172	147	103	110	115	-	246	-	384	328	214	161	-	-	164	-	-	-	-	-	-
N	-127	<-161	-105	<-133	-75	-89	-68	-42	-62	-39	-9	13	21	21	14	6	14	2	-2	-77	-38	-52	-51	-118	-	-	-48	-	-	-	-	-	-

1978

TMGR - GMT

Décembre - December

CHAMP ÉLECTRIQUE ATMOSPHÉRIQUE [V/m]
ELECTRIC FIELD STRENGTH [V/m]

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	-328	-129	-39	-64	-3	298	-14	-57	7	-119	-6	-83	-35	-52	13	-22	-70	34	-29	3	-14	-28	176	87	-	-	-20	1260	-630	1890	o,m,r,d	1		
2	15	0	-15	-39	-29	20	14	174	176	90	126	70	246	214	204	127	106	158	272	286	294	318	193	181	-	-	133	420	-84	504	o,r,s,g,d	2		
3	126	25	126	172	322	385	336	456	451	435	434	451	475	507	626	743	806	794	620	546	498	377	294	241	-	-	427	924	-115	1039	c,d,hf	3		
4	162	225	260	224	301	325	400	441	307	235	241	280	266	255	300	290	372	262	357	328	252	216	235	213	-	-	281	570	113	457	c,hf,s	4		
5	109	70	98	56	84	-4	95	224	294	136	181	125	234	231	322	406	204	87	53	52	193	186	-7	32	-	-	144	532	-168	700	c,s,hf	5		
6	69	98	115	195	227	308	381	196	153	169	192	262	297	269	305	230	165	98	-53	-66	77	45	-17	41	-	-	157	507	-335	842	c,s,m,hf	6		
7	-11	133	382	517	574	588	489	378	229	123	328	392	436	501	564	525	553	440	350	360	504	532	532	503	-	-	415	700	-83	783	c,hf	7		
8	519	525	510	591	465	521	652	581	459	465	420	406	370	398	461	526	547	518	406	329	217	381	336	223	-	-	450	689	45	644	b,hf	8		
9	164	181	118	154	119	3	126	234	193	192	157	196	98	112	83	42	-116	(-252)	-53	-127	-120	-106	-70	-151	-	-	49	405	-602	1007	c,hf,s	9		
10	-347	-374	-389	-241	-97	-27	-7	-28	0	1	-178	-34	70	56	378	213	53	-31	28	1	340	-42	-48	-	-	-	-	-	-	-	-	o,m,s	10	
11	-97	-98	-49	-57	-73	-64	-14	28	20	42	70	57	85	-	28	-34	6	-67	-81	-137	-165	-168	-197	-196	-	-	-	-	-	-	-	o,s	11	
12	-266	-244	-266	-308	-280	-223	-222	-218	-222	-231	-227	-171	-109	-98	-11	-23	-134	-168	-195	-213	-196	-185	-238	-210	-	-	-196	196	-431	627	o,s,d	12		
13	-134	-196	-185	31	-64	-130	-630	-189	-168	-365	-222	-172	-290	-214	-283	-46	-412	-210	-322	-361	-176	-336	-70	-108	-	-	-229	1029	-2008	3037	o,f,r	13		
14	-151	-259	-222	-140	-43	-10	104	179	287	-	235	173	171	182	238	181	154	154	71	-189	-176	-176	-193	-168	-	-	-	-	-	-	-	o,m,r,d	14	
15	-140	-168	-182	-147	-216	-132	-269	-269	-192	-238	-165	-244	-225	-211	-120	-105	-129	-28	-8	-97	-118	-181	-454	-203	-	-	-176	84	-700	5784	o,m,d,r	15		
16	-202	-204	-238	-195	-35	-249	-22	-136	340	-626	-486	-307	-104	-224	-378	-235	-134	-462	-123	-227	-98	-43	-175	-305	-	-	-201	1806	-1596	3402	o,f,r	16		
17	-336	-288	-24	-147	-28	-14	-59	-98	-209	-361	-300	-371	-277	-230	-153	-71	-62	14	62	178	265	372	31	92	-	-	-86	1896	-2100	3996	c,s	17		
18	207	210	182	280	515	468	232	57	22	56	171	0	15	56	92	62	22	56	-53	-84	-104	-112	-85	-25	-	-	94	612	-280	892	c,s	18		
19	14	-29	-25	50	39	80	196	174	167	210	322	434	475	519	319	42	202	73	-70	-193	-241	218	195	-27	-	-	131	567	-644	1211	c,m	19		
20	272	286	175	172	168	32	84	405	199	126	143	181	158	171	232	210	181	168	224	209	-120	59	18	-69	-	-	154	560	-290	850	o,m	20		
21	-20	-45	-7	-39	-66	-59	-56	154	167	-78	41	134	319	69	14	-14	-69	-50	62	154	148	197	95	90	-	-	-	48	392	-266	658	c,m,s	21	
22	84	84	56	64	179	153	221	139	158	158	183	216	206	202	115	31	25	35	70	77	84	98	59	15	-	-	-	113	266	0	266	c,hf	22	
23	-6	11	-90	-98	-98	-98	-81	-104	-70	-35	-36	13	99	188	53	-81	31	56	188	238	151	-1	15	-18	-	-	-	9	339	-235	594	c,m,hf	23	
24	-104	-52	-56	146	-59	-98	-73	-99	36	231	319	218	134	239	178	28	102	87	113	196	67	-95	-165	-179	-	-	-	47	777	-294	1071	o,m,g	24	
25	-8	-52	150	10	59	-55	-185	-182	-171	-137	-141	-97	-22	-91	-217	-154	-108	-220	-221	-225	-196	-154	-83	-129	-	-	-110	200	-700	5900	o,r	25		
26	-307	-235	-263	-244	-253	-302	-126	-475	-146	-233	-364	-532	-224	-224	-183	-106	-164	-238	-304	-185	-132	-83	-85	-83	-	-	-	-247	325	-886	1211	o,m,r,d	26	
27	-140	-62	-293	-353	-294	-308	-368	-374	-277	-327	-279	-336	-265	-251	-347	-298	-85	56	14	55	-42	0	-22	224	-	-	-	-215	407	-1596	2003	o,m,r,d	27	
28	76	-6	32	28	28	-227	-72	95	45	-28	-55	-239	-175	-67	-182	-459	-371	-382	-462	-463	-300	-386	-248	-382	-	-	-	-175	234	-748	982	o,m,d,s,r	28	
29	-307	-223	-308	-82	-95	-127	-126	-65	-385	-676	-935	-554	-945	-1073	-281	-123	-179	-232	-552	-90	-84	-177	-241	-210	-	-	-	-359	1764	-2100	3864	o,d,g	29	
30	-134	-90	-112	-99	-85	-134	-112	-155	-235	-221	-269	-288	-321	-343	-339	-82	-31	-101	49	-323	92	-126	-290	-50	-	-	-	-158	862	-798	1600	o,s	30	
31	-785	-222	-66	-43	-94	-106	-375	-179	-634	-1394	-1142	-1789	-281	-437	-1302	-203	-149	-456	-4206	-	-	-	-	-	-	-	-	-	-	-	-	-	o,s	31
A	232	254	265	287	344	363	382	338	289	260	298	339	317	358	399	501	522	391	331	293	285	326	263	264	-	329	0	-	-	-	-	-	-	
N	-455	-24	-20	-15	37	26	-16	-2	26	-87	-47	-51	17	-15	-17	-17	-17	-17	-17	-17	-17	-17	-17	-17	-	-	-	-	-	-	-	-	-	

Janvier - January

CONDUCTIBILITÉ D'AIR (POSITIVE) $\times 10^{-15} \left[\frac{\Omega^{-1} \text{ m}^{-1}}{\Omega^{-1} \text{ m}^{-1}} \right]$
 AIR CONDUCTIVITY (POSITIVE) $\times 10^{-15} \left[\frac{\Omega^{-1} \text{ m}^{-1}}{\Omega^{-1} \text{ m}^{-1}} \right]$

1970
 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		4.0	4.8	4.4	5.3	6.4	7.5	6.3	6.3	5.6	7.1	4.1	3.9	4.6	4.9	4.6	4.4	3.1	4.4	4.4	4.5	5.6	5.4	5.4	6.2	-	>5.1	>14.7	2.9	>11.8	c,s,r	1			
2		5.2	5.0	5.0	4.8	4.9	4.9	4.5	4.0	3.7	4.5	3.7	4.1	4.1	4.0	4.3	4.8	5.0	5.0	5.3	5.6	5.4	5.3	5.2	5.2	-	4.7	6.0	3.3	3.5	o,r	2			
3		4.3	4.1	4.1	3.7	3.2	3.0	3.0	2.6	2.9	4.3	4.9	4.8	5.6	6.6	5.1	4.3	4.3	3.9	4.5	4.8	4.6	5.2	5.6	5.8	-	4.4	9.1	2.3	6.8	o,r	3			
4		5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	6.3	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o,r,s	4	
5		-	-	-	-	-	5.0	5.1	4.6	3.9	3.3	3.2	-	-	2.5	2.2	2.1	2.0	2.0	1.5	1.7	2.0	2.5	2.7	2.9	-	-	-	-	-	-	-	c,s	5	
6		3.1	3.3	3.9	3.9	3.4	3.5	-	-	-	-	-	-	-	5.2	4.8	5.4	2.5	1.7	1.1	1.0	1.0	1.0	0.9	0.6	-	-	-	-	-	-	-	o,s,d	6	
7		0.6	-	-	-	1.1	1.0	0.7	1.3	1.3	1.2	1.2	1.5	1.4	1.2	1.2	1.2	1.3	1.4	1.6	1.6	1.6	1.6	1.6	1.8	-	-	-	-	-	-	-	o,m,d	7	
8		2.1	2.6	2.8	2.6	2.9	2.9	2.9	2.4	1.6	1.6	1.5	1.6	1.4	1.3	1.4	1.6	1.6	1.8	1.5	2.0	2.3	2.7	2.8	2.8	-	2.1	3.3	1.0	2.3	o,d	8			
9		2.7	2.6	2.7	2.6	2.6	2.6	2.1	2.1	2.3	2.1	2.0	2.0	1.8	2.4	1.8	2.2	2.0	2.0	2.5	3.7	3.8	4.1	4.2	3.4	-	2.6	4.5	1.4	3.1	c	9			
10		3.8	3.9	3.8	3.8	3.5	2.9	2.7	2.8	2.8	2.7	3.7	5.4	-	3.9	4.3	3.1	2.7	3.1	3.1	3.2	3.5	3.8	3.9	4.3	-	-	-	-	-	-	-	o,s	10	
11		4.3	3.7	3.4	2.6	3.1	3.0	2.3	1.8	1.7	2.0	2.5	2.7	2.8	2.7	2.8	2.7	2.4	3.0	3.1	3.7	4.6	5.0	5.3	6.0	-	3.2	6.9	1.6	5.3	c	11			
12		6.2	6.0	5.8	5.6	5.4	5.2	4.6	3.4	2.9	3.0	2.8	2.9	2.7	2.7	2.1	1.7	1.8	2.0	2.1	1.6	1.6	1.2	1.8	2.0	-	3.2	6.8	1.0	5.8	o,m	12			
13		2.3	2.0	2.1	2.6	3.5	2.3	2.0	2.0	1.6	1.8	1.7	1.5	1.9	1.5	1.6	1.6	1.4	1.3	1.3	2.0	1.2	1.5	2.0	2.4	-	-	1.9	5.0	1.0	4.0	o,m,s	13		
14		2.7	2.9	3.1	3.8	3.1	3.7	3.3	2.7	1.9	2.0	1.5	1.6	2.8	2.2	2.0	1.8	1.9	1.4	1.3	1.2	1.3	1.1	1.0	-	-	-	-	-	-	-	-	o,s,d,m,hf	14	
15		-	-	-	-	-	-	-	1.4	1.2	1.2	0.8	1.6	0.8	1.1	1.2	-	-	-	-	2.3	2.5	5.1	5.4	2.7	2.7	-	-	-	-	-	-	-	o,m,hf	15
16		3.1	4.5	4.2	3.8	-	-	-	(2.9)	(3.0)	(2.4)	2.1	(2.0)	(2.3)	-	(1.7)	(1.9)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(2.0)	(2.7)	-	-	-	-	-	-	-	-	b	16
17		3.5	3.7	3.9	(3.9)	3.9	(4.0)	(3.5)	(3.0)	(2.4)	(1.9)	-	3.5	2.6	2.1	1.7	1.6	1.8	1.8	1.9	2.3	2.6	3.0	3.5	3.9	-	-	-	-	-	-	-	-	c	17
18		4.4	5.0	5.6	5.4	3.9	3.7	3.5	3.3	3.1	3.0	2.8	2.8	2.7	2.8	2.7	2.4	2.4	2.5	2.4	2.7	3.1	3.4	3.9	4.1	-	3.4	3.4	6.0	2.0	4.0	b	18		
19		4.3	4.4	4.5	4.5	4.0	3.7	3.2	2.9	2.7	2.9	2.8	3.1	2.7	2.5	2.5	1.6	1.3	1.6	2.1	2.3	2.4	2.4	2.6	2.7	-	2.9	4.9	1.2	3.7	c	19			
20		2.6	2.9	2.9	2.7	2.4	2.2	1.8	2.0	2.5	2.3	2.5	2.6	2.5	2.3	1.9	1.8	1.9	1.7	1.8	2.9	3.2	3.2	3.6	3.7	-	-	2.5	4.0	1.5	2.5	b,s	20		
21		3.7	3.9	4.4	4.3	4.0	3.8	3.3	2.9	2.8	2.7	2.2	2.6	2.8	2.6	2.0	2.9	3.1	3.2	3.0	3.2	3.5	3.7	3.7	3.8	-	3.3	3.3	4.6	1.6	3.0	c	21		
22		3.9	3.9	3.5	3.5	3.0	3.1	3.0	2.9	3.0	3.7	3.9	3.9	2.9	2.3	2.0	2.3	2.8	2.9	2.9	2.5	2.7	2.5	2.3	2.1	-	3.0	4.1	1.7	2.4	b	22			
23		2.7	3.7	4.0	3.7	3.8	3.7	3.4	3.1	2.6	3.0	2.5	2.0	2.5	2.2	1.1	0.7	1.2	2.0	1.8	1.7	1.6	1.6	2.0	1.6	-	-	2.4	4.4	0.6	3.8	c,m	23		
24		2.4	2.7	2.9	2.4	2.6	2.9	2.9	2.7	2.6	3.1	3.7	3.7	3.9	3.2	2.5	2.3	2.7	2.8	6.6	4.5	3.1	4.7	3.7	3.9	-	-	3.3	11.4	2.1	9.3	c,s	24		
25		4.2	4.2	4.6	4.6	4.1	3.4	3.2	2.7	2.0	3.1	2.9	2.5	2.0	1.3	1.5	1.5	1.4	1.5	1.6	1.6	2.0	2.4	2.4	2.5	-	-	2.6	5.4	1.0	4.4	o,s,d,m,r	25		
26		3.1	3.5	3.5	3.8	3.2	2.6	3.1	4.4	5.8	4.8	4.5	5.3	6.2	3.0	2.8	2.3	2.2	2.4	2.4	2.3	2.5	2.6	2.5	2.7	-	-	3.4	10.2	2.1	8.1	o,s,r	26		
27		>5.0	3.4	3.2	2.6	3.0	4.0	3.9	3.9	3.1	3.3	3.3	3.4	3.5	3.6	3.2	2.3	2.0	1.5	1.8	2.2	1.8	2.0	1.9	1.8	-	-	>2.9	>14.7	1.0	>13.7	c,s,r	27		
28		2.0	3.9	3.7	2.6	1.6	1.4	1.8	1.6	1.5	1.6	1.6	1.7	1.8	1.8	2.1	1.9	1.6	1.6	2.0	2.3	2.7	3.0	3.3	3.3	-	-	2.2	9.2	1.2	8.0	c,s	28		
29		3.4	3.9	4.6	5.2	6.4	7.0	7.0	5.5	3.9	3.5	3.7	3.7	3.5	3.5	3.2	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o,r	29
30		-	-	-	-	-	-	-	-	-	-	4.2	3.2	2.6	2.3	2.0	1.8	1.8	2.2	2.9	2.7	3.8	4.6	5.5	5.6	-	-	-	-	-	-	-	-	o,r,m,f,d,s	30
31		6.2	7.0	[7.2]	[8.7]	9.8	8.1	5.8	4.5	3.8	2.9	-	-	-	2.2	2.0	2.2	2.3	4.3	4.1	4.1	3.1	2.3	2.4	1.8	1.0	-	-	-	-	-	-	-	o,s	31
A		3.8	4.2	4.3	4.1	3.4	3.3	3.3	3.0	2.8	3.0	2.9	2.9	2.8	2.8	2.4	2.3	2.4	2.4	2.4	2.7	3.0	3.4	3.6	3.8	-	3.0	-	-	-	-	-	-		
N		>3.6	3.9	4.0	4.0	3.8	3.7	3.4	3.1	2.8	>2.9	2.8	2.9	2.8	2.8	2.5	2.5	2.4	2.5	2.6	2.7	2.8	3.1	3.1	3.3	-	3.1	-	-	-	-	-	-	-	

A - Valeur moyenne pour les périodes du "beau temps". Mean values for the "fair weather".

B - Valeur moyenne pour tous les jours. Mean values for all days.

$$\text{CONDUCTIBILITÉ D'AIR (POSITIVE)} = 10^{-15} [Q^{-1} m^{-1}]$$

$$\text{AIR CONDUCTIVITY (POSITIVE)} = 10^{-15} [Q^{-1} m^{-1}]$$

Février - February

TMGr - GMT

Date	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	0.8	-	-	-	-	[0.8]	0.9	0.8	0.6	0.6	1.0	1.0	1.0	0.8	0.7	0.9	1.0	1.6	2.3	2.7	3.2	5.6	4.8	3.7	-	-	-	-	-	-	0, s, m	1		
2	3.5	3.9	4.1	4.4	3.9	4.0	3.7	3.3	(3.5)	3.5	3.5	3.3	3.1	3.0	2.7	3.3	3.1	(3.3)	3.3	3.5	3.7	3.5	3.9	4.0	-	-	3.5	4.8	1.9	2.9	0, s, g	2		
3	3.8	3.9	3.9	4.6	3.9	3.8	6.1	5.6	4.8	5.4	(4.8)	4.1	3.7	4.5	3.7	3.1	3.9	3.0	3.1	3.1	3.5	3.8	3.7	6.7	-	-	4.2	17.2	2.6	14.6	0, s	3		
4	7.4	8.1	4.6	4.6	4.2	3.9	3.5	3.3	(3.5)	2.6	2.9	3.1	3.0	2.4	2.5	2.1	2.3	2.7	2.6	2.9	3.1	3.3	3.3	3.7	-	-	3.6	13.2	1.9	11.3	0, s, g	4		
5	3.8	4.0	4.2	3.7	3.5	3.3	7.3	(2.6)	-	2.7	3.1	(2.0)	3.9	3.6	3.1	2.7	1.9	1.6	1.4	1.3	1.6	1.7	1.8	2.2	-	-	-	-	-	-	-	0, s	5	
6	2.5	2.8	2.9	2.7	2.4	2.3	2.3	2.0	1.8	2.3	2.6	2.7	2.8	2.9	2.9	2.8	2.9	2.5	2.3	2.5	2.6	2.9	3.3	3.5	-	-	2.6	3.9	1.4	2.5	0, s	6		
7	3.9	4.4	4.6	5.0	4.2	3.3	3.1	2.9	3.1	3.3	3.5	3.2	3.3	-	2.7	2.7	2.5	2.4	2.3	2.9	6.6	8.7	6.9	5.0	-	-	-	-	-	-	-	0, s, s	7	
8	2.6	6.0	6.3	7.7	6.4	5.8	7.3	7.0	4.3	6.9	6.0	6.4	6.7	6.2	5.6	6.8	8.4	8.5	5.2	4.2	4.3	4.2	2.3	2.0	-	-	6.0	12.4	1.7	10.7	0, s	8		
9	4.0	6.6	6.1	5.2	4.1	3.9	6.3	3.5	2.7	3.0	3.5	3.9	4.1	3.0	2.7	1.6	1.0	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	0, s	9	
10	1.6	1.4	1.4	1.5	2.2	1.6	1.8	3.3	1.9	2.6	2.4	2.3	2.2	1.9	1.6	1.2	1.9	2.2	2.3	2.7	3.1	3.2	3.3	3.5	-	-	2.2	5.2	0.9	4.3	c, s	10		
11	3.5	3.5	3.5	3.5	3.3	3.4	3.3	2.3	1.8	1.9	2.1	2.3	2.4	2.4	2.3	2.1	2.2	2.1	2.1	2.5	(3.7)	-	-	-	-	-	-	-	-	-	-	-	c	11
12	-	-	4.8	4.6	5.1	4.8	3.3	2.3	2.6	2.7	2.2	1.6	1.5	1.5	1.4	1.4	1.2	1.0	2.5	5.6	6.8	4.5	2.5	2.0	-	-	-	-	-	-	-	-	0, r, s, m	12
13	2.0	1.9	2.3	6.0	4.1	2.5	(1.8)	2.3	2.9	1.7	1.7	2.1	-	-	-	-	0.8	(0.7)	0.8	1.0	0.8	1.0	1.0	0.8	-	-	-	-	-	-	-	-	c, s, g	13
14	1.0	1.4	1.9	1.9	1.8	1.7	1.4	1.2	1.0	1.1	(2.1)	-	2.5	1.4	1.3	1.2	1.2	1.6	1.4	2.7	6.0	3.9	3.5	5.0	-	-	-	-	-	-	-	-	c, s, g	14
15	3.7	4.5	3.2	5.8	6.0	4.6	4.1	5.0	4.8	2.7	3.8	1.3	1.6	1.0	1.2	2.0	1.0	1.5	1.6	3.4	2.8	2.3	2.3	5.2	-	-	3.1	10.0	0.8	9.2	0, s, s	15		
16	8.3	9.8	8.1	9.0	6.2	4.1	-	-	(3.2)	(2.1)	2.6	2.0	3.6	3.9	2.4	1.2	-	-	-	-	1.0	1.0	1.0	2.0	-	-	-	-	-	-	-	-	0, s	16
17	1.4	1.6	2.0	2.0	2.2	1.5	1.5	2.0	2.3	2.7	2.5	1.6	0.8	1.5	1.3	0.8	0.6	1.0	1.2	1.5	1.6	1.8	1.8	2.1	-	-	1.6	5.5	0.4	5.1	c, s, f	17		
18	2.1	1.9	2.0	2.2	2.1	2.8	2.5	3.5	3.9	-	-	-	-	-	3.5	3.4	3.3	3.7	2.0	(2.0)	(2.5)	1.8	1.8	1.6	-	-	-	-	-	-	-	-	0, s, s	18
19	1.7	1.6	1.8	1.6	1.8	2.3	2.1	4.1	2.2	1.6	1.4	(1.4)	1.3	1.0	0.8	0.6	0.6	1.4	1.3	1.4	1.4	1.6	1.9	2.6	-	-	1.7	5.4	0.4	5.0	c, s, h, f	19		
20	2.1	2.1	2.3	-	-	-	-	-	-	-	4.6	2.5	1.2	0.8	0.6	0.2	0.4	1.2	1.6	1.6	2.4	2.9	3.1	3.2	-	-	-	-	-	-	-	-	c, f, g	20
21	-	-	3.3	2.5	2.3	2.7	2.2	2.2	3.5	5.7	1.7	1.6	1.5	1.5	1.5	1.4	1.2	1.0	1.0	1.2	1.4	1.6	1.7	1.7	-	-	-	-	-	-	-	-	0, s	21
22	1.0	1.8	2.7	2.9	2.7	2.5	2.5	2.7	2.6	2.7	1.8	1.6	1.9	1.8	1.6	1.5	1.7	1.8	1.8	2.0	2.3	2.1	1.6	1.6	1.7	-	-	2.2	6.6	1.0	5.6	0, s	22	
23	1.6	1.8	2.0	2.5	1.9	2.2	4.9	1.8	2.1	1.9	1.6	1.6	1.8	1.8	1.7	1.5	1.7	1.8	1.8	2.0	2.6	3.7	4.2	4.4	-	-	2.3	10.8	1.3	9.5	0, s	23		
24	4.4	3.8	3.4	3.0	2.8	2.7	2.6	3.4	-	-	-	-	1.8	1.8	1.7	1.4	1.4	1.4	(1.5)	(1.4)	(1.6)	(1.8)	(1.8)	(2.0)	-	-	-	-	-	-	-	-	c, s, f	24
25	(2.0)	(2.3)	(2.5)	(3.3)	-	-	1.9	2.0	1.9	-	1.6	1.8	1.2	0.8	0.8	0.6	0.6	0.7	0.6	1.0	1.3	1.3	1.2	1.1	-	-	-	-	-	-	-	-	c, f	25
26	2.0	3.4	2.6	3.3	2.5	1.8	1.6	2.1	2.5	2.0	2.0	1.8	2.0	2.0	2.2	1.8	1.8	1.8	1.8	2.3	2.7	2.9	3.3	-	-	2.2	2.2	3.8	1.3	2.5	c	26		
27	3.5	3.9	3.8	3.5	2.7	-	(2.0)	2.0	2.1	2.5	2.9	2.3	(2.3)	2.5	2.1	1.8	1.6	1.5	1.7	(1.8)	2.0	-	-	-	-	-	-	-	-	-	-	-	c	27
28	-	-	-	-	-	-	(2.0)	2.7	(3.1)	2.7	2.4	1.7	1.8	1.5	1.2	1.5	1.4	1.1	1.2	1.2	1.5	2.0	2.3	1.6	-	-	-	-	-	-	-	-	0, d	28
A	2.0	2.0	2.8	3.1	2.6	2.2	2.0	2.7	2.2	2.1	2.4	2.0	1.7	1.9	1.6	1.1	1.1	1.2	1.2	1.4	1.6	1.8	2.0	1.8	-	1.8	-	-	-	-	-	-		
N	3.1	3.6	3.5	3.9	3.4	3.0	3.0	2.9	2.9	2.8	2.7	2.4	2.4	2.2	2.1	2.2	2.0	2.0	2.0	2.3	2.8	2.9	2.7	3.0	-	2.7	-	-	-	-	-	-		

CONDUCTIBILITÉ D'AIR (POSITIVE) $\times 10^{-15} \left[\frac{\text{Q}^{-1} \text{ m}^{-1}}{\text{Q}^{-1} \text{ m}^{-1}} \right]$
 AIR CONDUCTIVITY (POSITIVE) $\times 10^{-15} \left[\frac{\text{Q}^{-1} \text{ m}^{-1}}{\text{Q}^{-1} \text{ m}^{-1}} \right]$

1972
 TMGr - GMT

Mars - Merch

Date	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	1.6	2.0	2.2	2.0	1.6	1.2	1.2	-	1.2	-	(1.2)	1.3	1.2	1.0	0.7	0.5	0.4	0.3	0.5	0.6	0.6	0.7	0.6	0.8	-	-	-	-	-	-	o,m,d	1					
2	0.9	1.0	0.8	1.0	0.6	0.4	0.6	0.8	1.3	1.4	1.8	1.7	2.0	2.3	2.0	1.6	0.8	6.6	6.4	0.7	0.6	0.7	0.5	0.6	-	-	1.0	2.9	0.2	2.7	c,f,m	2					
3	1.2	1.2	1.0	1.2	1.4	1.5	1.4	1.3	1.3	1.6	1.6	-	(2.0)	2.0	1.7	1.2	1.0	0.8	0.8	0.8	0.8	0.8	0.8	1.0	-	-	-	-	-	-	-	o,m,f,d	3				
4	0.8	0.9	0.7	0.8	0.5	0.4	-	-	-	(0.8)	1.2	1.4	1.6	2.0	2.0	1.6	1.3	1.3	1.2	1.4	1.6	1.6	1.8	2.0	-	-	-	-	-	-	-	o,f	4				
5	2.0	1.9	2.3	2.4	2.5	2.7	2.8	2.9	3.1	3.1	3.3	3.5	3.7	3.7	3.5	3.1	2.9	3.1	2.0	2.5	(2.4)	-	-	-	-	-	-	-	-	-	-	-	o,f,m,d,r	5			
6	-	-	-	-	-	-	-	-	4.1	4.8	5.0	4.8	4.3	3.7	3.9	5.3	3.6	3.9	3.9	2.9	2.7	2.6	2.6	3.0	-	-	-	-	-	-	-	-	c,d,wind	6			
7	2.6	2.3	2.3	3.2	3.9	3.3	3.2	3.4	3.2	3.0	2.5	2.2	2.5	2.7	2.3	2.3	2.5	2.2	2.5	2.4	2.7	2.4	2.5	2.9	-	-	2.7	4.5	1.6	2.9	c,hf,r,g	7					
8	3.1	3.3	3.4	3.2	3.1	2.5	2.5	2.5	2.5	3.3	3.6	3.3	3.0	2.5	2.3	1.6	1.6	1.4	1.0	1.2	1.0	0.6	0.8	0.6	-	-	2.3	4.3	0.6	3.7	o,s,d	8					
9	0.8	0.6	0.6	-	0.6	1.0	1.0	0.8	0.8	1.3	1.4	1.6	(2.0)	1.9	1.4	1.2	1.2	1.4	0.8	0.8	1.0	1.2	1.5	1.8	-	-	-	-	-	-	-	-	o,d,m,r,s	9			
10	2.2	2.1	1.8	2.0	2.3	1.6	2.0	1.9	-	(1.8)	1.8	1.7	2.6	2.8	2.9	2.0	1.4	1.1	0.6	0.8	1.5	2.3	3.8	3.1	-	-	-	-	-	-	-	-	o,s,r,d	10			
11	2.6	2.0	1.3	1.7	1.6	2.1	3.4	3.7	3.1	(3.1)	-	-	(2.8)	2.7	3.4	3.5	3.5	3.7	3.9	4.6	4.4	5.3	6.9	7.4	-	-	-	-	-	-	-	-	o,r,s	11			
12	7.9	6.5	9.0	9.3	9.8	8.9	7.7	(6.8)	(6.0)	(6.5)	7.0	6.4	6.8	5.6	6.2	4.1	3.1	2.7	2.7	2.3	1.6	1.4	1.4	1.6	-	-	-	5.6	10.5	1.2	9.3	o	12				
13	4.1	5.8	6.8	6.7	5.4	3.5	(2.6)	(4.5)	4.6	4.5	3.8	3.3	7.7	2.8	2.7	2.2	1.0	1.4	2.3	2.3	2.1	2.0	2.0	2.0	-	-	-	3.4	10.4	0.4	10.0	c,hf	13				
14	2.2	2.4	3.1	3.3	2.9	2.2	2.5	2.6	2.7	2.7	2.8	3.1	3.1	3.3	2.9	2.7	2.4	2.0	2.7	2.9	2.6	2.5	2.2	2.5	-	-	-	2.7	4.1	1.4	2.7	o,r	14				
15	2.3	2.7	(2.3)	2.2	2.3	2.4	(1.8)	-	-	2.7	(3.2)	3.6	4.3	4.4	3.9	3.5	3.1	2.7	2.6	3.1	4.1	2.7	(1.7)	(3.5)	-	-	-	-	-	-	-	-	c,r	15			
16	(3.9)	(4.6)	(5.2)	(4.3)	4.3	4.1	(3.9)	3.9	4.4	3.8	3.2	3.6	3.5	4.4	2.9	2.8	2.9	2.0	1.6	2.6	2.9	3.1	3.5	4.2	-	-	-	(3.6)	(6.4)	1.4	(5.0)	c,r	16				
17	3.9	4.1	3.7	3.3	2.9	2.3	3.1	2.7	2.5	3.1	2.5	3.2	4.2	3.4	3.9	4.6	2.9	-	5.4	-	-	-	-	2.3	2.6	-	-	-	-	-	-	-	o,r,s	17			
18	5.4	-	-	-	-	-	-	-	-	3.2	3.9	4.3	3.4	3.5	3.4	3.5	(5.2)	3.7	4.3	4.0	2.0	1.2	1.3	0.6	-	-	-	-	-	-	-	-	-	c,s	18		
19	1.2	3.9	-	(3.9)	3.4	3.4	2.7	2.3	2.3	2.9	3.3	1.8	3.6	3.9	3.3	3.7	3.5	1.8	(2.9)	(2.7)	2.9	2.2	(2.7)	2.3	-	-	-	-	-	-	-	-	-	c,r	19		
20	2.0	2.9	3.1	2.7	2.8	2.4	3.1	3.7	4.4	4.3	3.7	3.9	3.7	2.4	1.6	1.2	1.1	1.0	0.8	1.3	2.1	2.0	1.6	2.2	-	-	-	-	-	-	-	-	-	o,s,r,d,m	20		
21	2.0	2.5	3.3	4.5	7.7	3.5	2.3	2.0	1.6	1.7	1.8	1.8	2.4	2.4	2.5	2.6	4.6	6.3	1.8	1.9	2.5	2.5	2.8	2.7	-	-	-	2.9	12.3	1.3	11.0	o,s	21				
22	2.5	2.7	2.7	2.8	3.4	3.3	2.7	4.1	3.0	3.0	(3.9)	-	3.1	2.8	3.3	2.3	2.4	2.7	2.3	2.7	2.5	2.7	2.9	2.7	-	-	-	-	-	-	-	-	-	o,s	22		
23	2.3	(1.9)	(1.8)	(1.6)	1.5	1.0	-	-	2.9	(2.5)	2.5	2.8	3.0	2.9	2.6	2.3	1.6	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,hf,r	23		
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,m	24		
25	-	-	-	-	-	-	-	-	-	-	7.5	7.7	6.4	6.6	6.0	4.8	4.1	2.8	1.7	4.5	(3.1)	(2.7)	(3.3)	(4.3)	(4.6)	-	-	-	-	-	-	-	-	-	c,m,hf	25	
26	(3.2)	(3.3)	(3.9)	-	-	-	-	-	3.9	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,hf,r	26	
27	-	-	-	-	-	-	-	6.8	5.2	4.4	4.2	4.1	4.4	4.8	4.4	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,hf,r	27	
28	-	-	-	-	-	-	-	(3.9)	3.2	3.2	3.0	2.7	2.9	3.0	3.1	1.8	0.8	0.6	0.6	0.8	(1.0)	(1.2)	(1.8)	-	-	-	-	-	-	-	-	-	-	-	-	c,hf,r,d,m	28
29	(2.0)	(1.8)	(1.8)	(1.8)	(2.0)	(2.0)	(2.2)	2.7	3.1	3.1	3.0	2.7	3.0	3.2	2.9	2.8	2.3	2.3	2.7	2.9	3.3	3.5	(3.9)	-	-	-	-	-	-	-	-	-	-	-	-	b	29
30	-	-	-	-	-	-	-	2.9	2.9	3.1	3.1	2.9	2.7	2.7	2.6	2.9	2.9	2.9	3.2	3.1	3.3	3.5	3.7	3.9	-	-	-	-	-	-	-	-	-	-	-	b	30
31	3.9	4.1	(4.4)	(4.3)	(4.4)	(4.4)	(3.9)	3.5	3.3	3.0	2.6	2.5	2.7	2.9	3.1	3.3	3.7	2.3	3.1	3.5	3.3	3.5	3.7	3.7	-	-	-	(3.5)	(3.5)	(5.0)	1.1	(3.9)	b	31			
A	4.2	4.4	5.6	4.9	4.4	3.9	5.4	4.1	3.3	3.5	3.8	3.1	3.2	2.8	2.9	2.0	2.1	2.2	2.6	2.8	3.0	2.8	3.0	2.7	-	-	-	3.2	-	-	-	-	-	-			
N	2.7	(2.9)	(2.9)	(3.1)	3.1	2.6	(2.9)	3.2	3.1	3.3	3.2	3.1	3.2	3.2	3.0	2.7	2.4	2.2	2.2	2.2	2.2	2.2	(2.5)	2.6	-	-	-	-	-	-	-	-	-	-	-		

CONDUCTIBILITÉ D'AIR (POSITIVE) $\times 10^{-15} [Q^{-1} m^{-1}]$
 AIR CONDUCTIVITY (POSITIVE) $\times 10^{-15} [Q^{-1} m^{-1}]$

Avril - April

1978
 TMGR - GMT

Date	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	3.7	3.3	3.3	2.8	2.0	2.5	3.5	3.7	3.4	3.1	3.1	3.1	3.0	2.7	2.7	2.0	2.3	1.2	2.0	3.4	4.1	4.6	5.8	4.0	3.2	3.2	7.3	1.0	6.3	b	1			
2	4.8	5.6	5.9	5.1	5.0	4.1	4.4	3.9	3.7	4.1	4.6	5.2	5.2	5.6	5.4	5.8	5.4	7.8	5.3	4.4	5.0	5.2	5.6	5.6	-	4.7	11.0	2.6	8.4	o,r	2			
3	6.1	6.2	6.0	4.6	4.6	4.1	5.0	4.8	4.6	4.6	4.4	4.8	4.8	4.1	4.2	4.0	4.1	3.7	4.2	4.3	4.4	4.6	4.8	5.0	-	5.1	6.6	3.3	3.3	o,r	3			
4	5.6	6.1	6.8	6.3	6.0	5.0	4.4	4.8	4.8	4.8	4.8	5.3	5.4	5.4	5.4	5.0	4.1	4.0	4.0	4.6	4.6	5.0	5.6	5.4	-	5.1	7.4	3.1	4.3	o,r	4			
5	4.7	5.4	5.0	4.6	4.3	4.6	4.1	3.9	3.7	3.8	3.9	3.8	3.4	3.7	3.9	4.6	5.0	5.6	6.0	6.7	8.1	9.1	9.8	9.6	-	5.3	10.6	2.7	7.9	c	5			
6	9.6	9.0	9.0	8.1	7.0	6.4	6.6	6.2	6.0	5.6	5.2	4.8	4.4	3.9	3.7	3.9	4.6	2.3	1.8	1.8	1.9	3.1	3.0	3.4	-	5.1	10.6	1.6	9.0	b,hf	6			
7	3.5	3.8	4.0	4.8	5.2	5.3	5.6	4.6	4.0	4.1	4.1	4.2	3.8	3.7	2.9	2.9	3.1	2.8	3.3	4.6	3.9	2.2	3.3	-	-	3.9	6.2	1.8	4.4	c,s	7			
8	3.5	2.9	2.9	4.4	3.1	3.7	5.4	6.6	6.4	6.5	7.0	6.6	5.2	5.2	5.4	4.3	3.5	3.5	1.8	1.2	1.0	2.2	2.3	2.3	-	4.0	8.4	0.8	7.6	c,g	8			
9	2.5	2.6	2.7	2.8	3.1	3.3	3.3	2.4	4.0	5.6	5.6	5.4	5.9	6.4	7.0	7.0	4.6	3.1	2.0	1.5	2.3	3.3	3.5	4.1	-	3.9	7.4	1.4	6.0	c,hf	9			
10	4.6	4.6	7.0	6.0	4.2	4.1	7.5	6.2	5.1	4.9	3.7	2.8	2.5	2.2	2.5	2.5	2.3	1.7	2.6	4.6	5.8	6.3	6.6	6.3	4.4	4.4	10.6	1.3	9.3	b,hf	10			
11	6.6	6.0	6.1	5.7	5.3	5.0	-	-	-	-	-	2.5	2.9	2.8	2.5	2.5	3.1	2.5	3.1	3.8	3.3	3.5	3.8	3.7	-	-	-	-	-	-	c,r	11		
12	4.0	4.1	3.7	4.1	3.1	4.1	[4.8]	4.6	4.0	3.5	2.9	2.3	2.0	2.6	2.0	3.5	2.0	2.0	2.2	-	-	-	-	-	-	-	-	-	-	-	-	o,r,s	12	
13	-	-	-	-	-	-	0.8	1.2	-	-	1.5	1.4	1.8	2.0	2.1	2.3	3.3	3.3	3.1	4.0	3.9	3.1	4.4	6.4	-	-	-	-	-	-	-	o,m,r,s	13	
14	(7.7)	(7.7)	6.3	6.2	6.3	(8.9)	5.3	3.1	2.0	1.8	3.7	3.8	2.8	2.7	3.3	3.6	4.3	3.9	4.8	5.9	6.6	6.1	5.6	5.4	-	-	4.9	(9.8)	1.0	(8.8)	o,r	14		
15	5.4	4.8	4.4	3.9	3.3	3.3	3.0	2.7	2.5	2.4	2.5	2.3	2.0	2.5	2.4	2.5	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,r,hf,f	15	
16	-	-	-	-	-	-	-	-	-	-	2.3	3.3	3.5	4.3	4.6	4.4	4.6	3.7	2.5	1.6	0.8	1.7	1.6	1.4	1.3	-	-	-	-	-	-	-	o,f,m,hf	16
17	2.3	4.8	5.2	4.4	4.8	4.2	3.5	2.9	1.9	1.7	2.7	2.8	2.3	1.8	1.6	1.5	1.6	1.0	0.7	1.2	1.3	1.0	0.8	1.2	-	2.4	5.6	0.4	5.2	o,d,r,s	17			
18	1.2	1.4	2.0	2.2	2.0	1.6	2.9	2.5	3.3	4.0	3.9	4.1	3.0	2.0	2.3	2.3	2.5	2.7	3.5	3.7	3.5	3.5	3.3	4.0	-	2.8	5.1	0.9	4.2	o,r,d	18			
19	4.9	2.9	2.7	2.6	2.9	2.8	2.7	2.7	2.9	3.0	3.1	3.3	2.9	3.1	[3.3]	6.0	4.9	4.3	-	2.7	2.5	3.7	2.1	1.3	-	-	-	-	-	-	-	o,d,l,r,m	19	
20	2.3	1.9	3.1	6.4	6.0	6.2	6.0	5.6	5.4	6.8	6.2	6.2	6.8	6.6	7.1	6.7	5.0	3.3	1.8	4.1	6.5	5.4	3.1	5.2	-	-	5.2	8.3	0.5	7.8	c	20		
21	5.0	-	3.7	[3.5]	4.1	5.6	3.9	3.5	2.7	2.5	4.1	4.4	4.4	3.8	3.0	2.9	3.8	2.9	2.6	2.3	1.9	1.8	2.5	2.3	-	-	-	-	-	-	-	c,r	21	
22	2.3	2.3	2.9	2.8	3.4	3.1	3.1	3.9	-	-	-	[6.9]	[6.9]	4.8	5.4	5.6	5.4	[3.9]	-	-	4.2	4.8	1.6	1.2	-	-	-	-	-	-	-	c,r,m,l	22	
23	1.6	0.6	0.8	1.2	1.7	2.0	3.5	3.1	2.7	2.7	3.5	4.5	4.8	4.5	5.0	6.1	7.7	6.3	2.3	2.8	3.0	3.0	2.0	1.9	-	3.3	9.0	0.4	8.6	b	23			
24	1.8	1.6	2.0	2.1	2.4	3.5	3.5	[3.7]	[3.9]	3.5	3.5	3.5	4.6	4.8	4.6	4.6	4.6	4.0	1.5	0.6	0.8	1.2	1.5	2.5	-	2.9	7.3	0.4	6.9	c,r	24			
25	-	-	3.0	2.6	2.3	2.0	2.7	2.9	3.1	2.9	3.5	4.6	4.8	4.1	2.5	2.7	3.9	4.1	3.9	4.6	3.4	3.5	4.1	4.8	-	-	-	-	-	-	-	c,r,l	25	
26	4.7	5.0	5.6	6.6	5.8	5.4	4.2	4.6	4.6	5.2	4.8	5.4	5.4	6.2	6.2	6.2	6.2	5.0	5.9	6.6	7.2	7.9	6.5	10.2	-	6.0	11.6	3.1	8.5	o,r	26			
27	9.6	7.7	6.6	4.6	5.4	5.4	5.6	5.8	6.0	5.8	5.6	5.0	4.8	3.7	4.1	4.1	4.1	4.1	2.0	2.3	4.4	4.6	5.2	5.8	-	5.2	11.7	3.1	8.6	o	27			
28	6.0	7.2	6.5	6.2	5.2	5.0	4.8	4.4	4.1	3.8	4.1	4.4	4.6	4.8	4.8	5.0	4.8	4.0	2.8	6.0	6.4	6.4	7.3	7.4	-	5.3	8.1	3.1	5.0	c	28			
29	7.0	6.5	6.0	6.2	5.6	5.0	5.6	[4.6]	4.6	4.1	4.2	4.3	4.3	4.3	4.8	5.2	3.5	2.5	3.3	3.3	3.7	4.3	5.8	6.5	4.8	4.8	7.5	1.9	5.6	b	29			
30	6.4	6.6	6.8	6.9	6.0	4.1	4.0	3.7	4.1	4.0	4.0	3.9	4.1	4.2	4.6	5.4	5.8	5.6	5.2	5.2	5.4	5.6	6.0	5.8	-	-	5.1	7.9	3.3	4.6	c,r	30		
A	5.1	4.7	4.9	4.7	4.4	4.3	4.8	4.2	3.7	3.7	3.8	4.0	4.0	3.6	4.4	4.6	4.4	3.4	2.9	3.2	3.9	4.3	4.7	4.8	4.2	4.2	-	-	-	-	-	-		
N	4.7	4.6	4.6	4.6	4.3	4.3	4.4	4.0	3.8	4.0	4.1	4.2	4.1	4.0	4.0	4.2	4.1	3.5	3.3	3.6	4.0	4.2	4.2	4.5	4.1	4.1	-	-	-	-	-	-		

Mat - May

CONDUCTIBILITÉ D'AIR (POSITIVE) = $10^{-15} [\Omega^{-1} \text{ m}^{-1}]$
 AIR CONDUCTIVITY (POSITIVE) = $10^{-15} [\Omega^{-1} \text{ m}^{-1}]$

1978
 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		6.0	5.4	4.8	4.1	4.0	3.5	3.5	3.5	3.5	3.7	3.5	3.3	3.7	3.7	3.7	3.7	5.1	-	5.0	5.0	5.2	5.6	7.7	10.0	-	-	-	-	-	-	o,r	1		
2		13.9	11.8	5.8	3.8	3.9	4.8	4.6	3.5	2.7	3.3	2.7	2.9	2.9	3.5	4.0	4.8	7.3	7.7	7.9	6.8	7.5	7.1	6.3	5.6	-	-	>5.6	>14.7	1.9	>12.8	o,r,m	2		
3		5.0	4.5	4.8	4.6	4.6	4.4	3.9	3.5	3.7	4.1	4.1	4.1	4.1	4.1	4.1	3.5	4.8	5.2	5.4	5.0	5.2	5.4		-	-	4.4	5.9	2.8	3.1	c,r,wind	3			
4		5.2	4.1	3.9	3.5	3.7	3.5	2.8	2.4	3.0	2.9	2.3	2.3	2.4	2.4	(2.7)	2.7	3.3	3.1	2.1	2.2	1.6	1.4	1.4	1.6	-	2.8	2.8	6.0	1.3	4.7	b	4		
5		2.0	2.8	3.1	2.9	2.9	3.5	4.4	4.8	3.9	2.9	2.7	2.8	2.9	2.9	3.1	3.5	3.3	3.7	4.4	5.2	5.6	5.8	6.0		3.8	3.8	6.5	1.6	4.9	b	5			
6		6.3	6.2	6.4	5.9	5.4	4.6	4.1	3.1	2.2	2.0	2.3	2.7	2.7	2.9	3.3	3.1	3.1	3.3	3.8	5.0	4.8	4.8	5.0	5.4	-	4.1	7.3	1.8	5.5	c,d	6			
7		5.6	3.5	3.5	3.5	3.7	3.8	3.5	3.1	3.2	3.1	3.5	3.5	3.3	3.0	3.1	3.3	3.7	3.3	3.8	4.1	4.7	3.9	3.9	3.9	-	3.6	6.2	2.5	3.7	o,r	7			
8		4.0	4.2	4.1	3.7	3.6	4.1	4.4	4.2	3.5	3.4	3.5	4.0	3.9	3.5	3.7	4.0	4.0	4.1	4.6	4.8	5.0	5.2	5.0	5.2	-	4.2	5.8	3.0	2.8	o	8			
9		5.6	5.4	5.4	5.0	4.4	4.4	4.4	4.3	4.4	4.6	4.8	4.8	4.8	5.2	4.4	4.8	5.9	4.6	3.1	3.0	-	-	1.4	1.8	-	-	-	-	-	-	o,r	9		
10		2.5	2.8	3.3	3.5	3.9	2.8	3.3	3.5	3.2	3.3	3.3	4.1	3.7	3.6	2.9	2.9	2.4	1.7	2.0	1.9	1.8	2.0	1.9	2.0	-	-	2.8	4.8	1.1	3.7	o,r	10		
11		3.1	4.3	4.3	4.6	4.0	2.5	2.7	2.5	3.7	3.7	4.0	4.4	4.8	4.8	5.0	4.8	5.2	5.8	2.6	1.0	1.0	2.0	4.1	4.4	-	-	3.7	6.9	0.7	6.2	o,r,s	11		
12		3.6	3.3	3.0	2.7	3.0	3.8	4.6	4.6	4.8	4.5	5.6	5.6	4.4	4.8	5.2	5.6	4.8	4.5	2.4	1.5	2.3	2.9	3.2	3.3	-	-	3.9	7.3	1.2	6.1	c,r,s	12		
13		2.1	2.8	3.0	2.7	2.9	3.9	4.4	4.8	4.7	4.4	3.9	3.3	3.4	3.5	3.5	3.4	3.3	2.9	1.9	1.4	2.3	2.7	2.5	3.1	-	-	3.2	5.4	1.2	4.2	c	13		
14		4.4	4.4	4.0	3.5	3.9	4.4	5.6	4.5	3.8	4.1	4.1	3.8	3.3	4.4	4.0	4.1	4.6	4.6	3.7	3.5	2.8	2.5	2.6	2.1	-	-	3.9	6.0	1.6	4.4	c	14		
15		1.7	2.5	2.2	1.9	3.5	2.9	2.6	2.3	2.9	2.8	2.7	2.9	3.2	2.8	2.9	3.2	2.9	2.5	2.0	1.6	1.2	1.0	1.0	0.6	-	-	2.3	3.9	0.4	3.5	c	15		
16		0.8	1.0	1.0	1.3	1.5	1.9	2.0	3.2	3.7	3.5	3.3	3.1	2.5	2.5	2.5	2.7	3.1	3.5	3.5	4.4	3.4	3.1	1.9	1.0	-	-	2.5	5.2	0.3	4.9	c,r	16		
17		1.0	1.0	1.0	1.0	1.5	2.9	3.1	2.8	3.3	3.5	3.5	3.7	3.3	3.1	3.1	3.7	3.3	3.7	2.7	1.4	1.0	0.5	0.6	0.8	-	-	2.3	6.0	0.2	5.8	c,l,r	17		
18		0.9	1.7	2.0	2.3	3.2	3.9	3.4	3.7	4.1	-	3.9	3.7	3.9	3.9	4.4	5.2	5.2	5.4	4.9	3.5	2.6	2.2	2.2	2.9	-	-	-	-	-	-	c,r	18		
19		3.8	4.8	4.8	5.2	6.0	5.4	5.0	5.1	5.2	5.2	5.0	5.1	5.9	5.6	6.2	6.2	6.6	6.8	3.9	2.0	1.2	1.0	1.6	2.5	-	-	4.6	8.1	0.8	7.3	c	19		
20		2.3	2.4	3.1	2.5	2.3	3.7	4.9	5.3	4.7	4.6	4.8	4.8	4.8	4.6	4.5	4.6	4.5	3.4	2.9	1.6	1.5	2.0	2.5	2.6	-	-	3.5	5.8	1.1	4.7	c	20		
21		2.3	2.3	2.0	4.0	4.8	3.8	4.8	4.6	4.6	4.3	3.8	3.9	4.0	3.9	4.4	5.0	4.8	3.7	3.7	2.9	3.2	3.5	3.7	3.5	-	3.8	3.8	5.5	1.2	4.3	c	21		
22		3.7	4.5	(4.7)	4.3	3.9	3.9	5.4	5.7	5.4	4.1	3.9	4.1	4.8	4.8	3.5	3.2	3.7	3.5	4.1	5.0	5.6	6.0	6.7	7.1	-	-	4.6	7.6	2.7	4.9	o,r	22		
23		6.9	6.7	6.7	6.3	5.6	5.4	5.4	5.2	5.0	5.0	-	-	-	-	-	6.4	6.6	5.7	6.6	8.3	9.2	8.3	9.1	9.2	-	-	-	-	-	-	o,r	23		
24		7.0	5.7	3.7	4.4	5.0	6.1	6.3	6.6	6.8	7.0	6.8	6.8	-	-	-	4.6	4.9	4.7	5.8	4.2	-	-	-	-	-	-	-	-	-	-	-	c,l,r	24	
25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,f,r,h,l	25
26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,r	26
27		4.1	2.7	2.3	2.3	3.5	3.8	4.4	5.4	5.2	5.0	4.8	4.2	2.9	1.8	-	3.1	4.1	3.3	1.1	0.9	0.6	0.7	1.0	0.8	-	-	-	-	-	-	-	-	c,l,r	27
28		0.6	0.5	0.6	0.7	1.8	3.3	3.3	3.5	3.9	3.7	3.8	4.0	3.4	3.9	4.0	3.9	4.2	4.3	4.0	3.1	2.6	2.7	4.0	4.8	-	3.1	3.1	5.6	0.3	5.3	c	28		
29		4.9	4.7	4.9	4.5	4.6	4.4	4.2	4.0	3.7	3.6	3.7	3.8	3.6	3.7	3.6	3.5	4.1	3.9	4.1	3.5	3.5	4.0	4.1	4.2	-	4.0	4.0	5.6	3.0	2.6	b	29		
30		3.9	4.3	3.7	3.4	3.2	3.3	3.3	3.1	3.4	3.6	3.5	3.6	3.4	3.2	3.4	3.4	4.1	4.0	3.9	2.9	2.5	2.3	2.3	2.3	-	3.3	3.3	6.2	2.0	4.2	c	30		
31		2.1	2.1	2.2	2.6	3.0	4.0	4.6	4.5	4.0	3.4	-	5.3	5.8	5.5	4.0	3.5	4.3	4.6	4.0	3.2	2.6	2.8	4.0	4.6	-	-	-	-	-	-	-	b	31	
A		3.4	3.4	3.2	3.2	3.6	3.9	4.4	4.3	4.1	3.7	3.6	3.7	3.5	3.6	3.6	3.9	4.3	4.1	3.7	3.2	3.1	3.0	3.4	3.4	-	3.6	-	-	-	-	-			
N		>4.0	>3.9	3.6	3.5	3.7	3.9	4.1	4.0	4.0	3.9	3.9	4.0	3.9	3.8	3.8	4.1	4.4	4.2	3.8	3.4	3.3	3.4	3.6	3.8	-	3.8	-	-	-	-	-			

juin - June

CONDUCTIBILITÉ D'AIR (POSITIVE) $\cdot 10^{-15} [Q^{-1} m^{-1}]$
AIR CONDUCTIVITY (POSITIVE) $\cdot 10^{-15} [Q^{-1} m^{-1}]$

1978
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		4.9	4.3	4.1	4.4	4.3	3.6	4.1	4.7	5.2	5.8	5.7	5.5	5.2	5.1	3.7	3.3	4.0	5.2	4.2	3.4	3.4	3.6	3.4	3.5	4.4	4.4	8.6	2.5	6.1	b	1		
2		3.0	3.3	3.4	3.7	3.7	3.2	2.7	2.7	2.3	2.1	2.4	3.4	4.3	4.3	4.5	5.1	4.9	4.6	4.8	4.1	3.4	4.9	5.6	5.9	-	-	3.8	6.5	1.7	4.8	c	2	
3		5.3	5.5	5.8	4.8	4.4	3.6	2.9	3.4	4.2	3.9	3.4	3.1	3.3	3.6	3.7	-	[4.9]	5.5	4.2	2.4	1.9	1.8	3.4	5.4	-	-	-	-	-	b	3		
4		6.0	6.1	6.3	4.7	3.9	3.6	[3.2]	[3.4]	3.6	3.3	2.9	2.7	[2.9]	3.2	3.3	4.1	5.2	6.2	4.2	2.7	2.5	2.4	2.3	2.4	3.8	3.8	8.1	1.9	6.2	c	4		
5		2.5	2.8	2.6	2.4	2.4	2.1	2.2	2.5	3.3	2.4	2.3	2.7	3.0	3.1	3.3	3.4	3.2	3.2	3.4	2.3	1.8	1.6	1.7	2.0	2.6	2.6	5.3	1.3	4.0	b	5		
6		2.4	2.4	[2.3]	2.8	3.0	-	-	3.3	3.2	4.1	3.4	4.9	4.3	5.1	4.6	3.3	3.0	3.1	4.1	3.6	4.6	5.2	5.5	3.9	-	-	-	-	-	c,r,l	6		
7		3.4	2.6	2.1	2.6	3.0	3.0	3.3	3.0	3.2	3.3	[3.2]	3.3	3.3	3.3	3.6	3.7	3.4	3.4	2.7	2.7	2.8	3.2	3.2	3.3	-	-	3.1	4.2	1.7	2.5	c,l	7	
8		2.9	2.3	3.1	3.6	2.7	2.6	2.6	-	2.7	3.1	3.0	3.0	3.2	2.9	3.0	3.1	8.2	6.4	6.4	3.1	2.7	2.7	2.8	2.4	-	-	-	-	-	c,r,m,l	8		
9		2.4	2.2	3.0	3.7	3.3	3.0	2.7	3.3	2.9	2.8	2.9	3.0	2.2	2.7	2.9	3.0	3.0	3.6	3.5	3.5	2.5	2.1	1.8	2.0	-	-	-	-	-	c	9		
10		2.5	2.4	2.0	2.1	2.1	2.1	2.2	2.4	2.6	2.6	2.7	2.4	-	1.8	2.3	2.6	2.4	2.5	2.6	2.2	2.3	2.8	3.1	3.3	-	-	-	-	-	c,r,l	10		
11		3.6	3.6	3.4	3.3	3.4	3.3	2.8	3.2	3.5	3.4	3.6	4.0	4.2	4.3	4.2	3.6	4.0	4.0	3.8	3.7	4.5	4.3	4.6	4.5	-	-	-	-	-	c,r	11		
12		4.6	4.9	3.9	2.7	2.3	2.7	3.2	3.2	3.0	3.2	2.8	2.8	-	2.6	3.3	3.9	4.5	5.2	4.6	4.6	4.6	4.2	4.0	3.4	-	-	-	-	-	c,r,d	12		
13		3.6	3.9	3.5	3.2	3.2	3.2	3.1	2.9	4.2	4.6	3.9	3.4	4.9	3.3	4.3	4.3	5.3	4.3	4.3	4.5	4.2	4.3	4.2	4.2	-	-	-	-	-	o,d,r,l	13		
14		3.6	3.7	4.3	4.5	3.6	3.5	3.8	3.2	3.3	3.6	-	-	3.7	3.9	5.3	3.3	3.3	2.6	4.6	4.9	2.3	2.6	2.5	2.1	-	-	-	-	-	o,d,r,l	14		
15		2.3	2.0	2.2	2.3	2.0	4.0	5.1	4.4	2.7	2.7	3.2	3.4	4.0	3.3	3.6	3.7	3.6	6.0	4.6	5.3	3.2	2.5	2.0	-	-	-	-	-	-	c,r	15		
16		2.7	3.0	2.7	2.6	3.5	5.2	5.3	3.9	3.7	3.5	2.6	2.9	2.9	4.9	5.9	6.1	6.5	6.2	5.3	3.3	2.3	1.8	1.6	-	-	-	-	-	-	c,r	16		
17		2.0	2.3	2.4	2.5	2.6	2.8	3.6	3.8	3.4	3.1	3.4	3.0	3.2	2.9	2.7	3.5	3.9	4.0	-	-	-	-	-	-	-	-	-	-	-	-	c	17	
18		-	-	-	-	-	-	-	-	-	4.9	6.3	6.5	7.2	7.5	7.1	6.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,r	18
19		2.9	3.1	3.3	3.5	4.2	3.7	3.0	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.0	3.0	2.7	2.8	3.5	3.2	2.9	2.4	2.2	2.0	-	-	-	-	-	-	c,r	19
20		1.8	2.0	2.0	1.9	2.0	3.0	3.4	2.6	2.6	2.7	2.5	2.4	2.6	2.6	2.6	2.6	2.8	3.0	3.3	4.5	2.6	2.8	2.7	2.7	2.9	-	-	-	-	-	-	c	20
21		3.1	2.9	3.1	4.2	4.4	3.3	2.4	-	[3.0]	2.6	3.2	3.3	3.3	3.0	3.0	3.0	3.3	3.9	3.7	2.9	2.6	2.2	2.1	2.1	-	-	-	-	-	-	-	c	21
22		2.1	1.8	1.7	2.0	2.4	2.6	2.4	2.5	3.0	-	2.6	2.6	2.6	3.1	4.2	4.8	4.9	5.6	3.7	3.1	3.2	3.0	2.8	3.7	-	-	-	-	-	-	-	c	22
23		3.2	2.6	2.1	1.9	2.0	3.0	3.3	2.9	3.0	2.9	2.6	3.0	2.9	2.6	2.1	2.4	2.7	2.3	2.7	2.4	2.4	2.5	2.6	2.6	-	-	-	-	-	-	-	c,l,l,r	23
24		3.0	3.4	3.7	3.8	3.4	3.3	3.0	2.5	2.4	2.7	2.3	-	-	3.7	3.5	2.9	3.1	2.8	3.0	2.7	2.0	2.0	2.2	1.8	-	-	-	-	-	-	-	c,l,l,r,m	24
25		2.6	2.3	2.1	1.9	2.4	-	3.4	3.4	3.4	2.7	3.2	2.6	2.9	3.2	3.6	3.3	3.3	4.1	3.6	2.4	2.1	2.7	2.9	3.7	-	-	-	-	-	-	-	o,r	25
26		2.7	2.7	2.7	3.4	3.1	2.0	2.1	-	1.8	2.0	2.6	3.2	2.5	1.7	2.2	1.6	1.8	1.8	2.3	2.4	2.1	2.3	2.0	2.0	-	-	-	-	-	-	-	o,r	26
27		1.7	1.8	2.1	2.1	2.4	2.9	3.2	3.4	3.2	3.2	3.3	3.2	3.2	3.3	3.1	3.1	3.3	3.7	3.0	1.6	1.1	0.9	0.9	1.0	-	-	-	-	-	-	-	c,d,r	27
28		1.4	1.8	1.7	1.6	1.9	2.6	2.4	2.0	2.0	2.1	2.1	2.2	2.3	2.0	2.1	3.5	3.6	3.4	2.6	2.0	2.4	2.6	3.2	4.6	-	-	-	-	-	-	-	c,r	28
29		4.3	5.1	5.6	5.2	4.3	3.6	3.2	3.3	3.4	2.9	3.3	3.4	3.4	3.4	3.0	3.3	3.5	3.6	3.9	3.9	3.3	4.5	3.2	3.3	3.4	-	-	-	-	-	-	o,r,d	29
30		3.6	3.4	4.0	4.8	4.0	4.1	3.6	3.5	3.4	3.7	3.7	4.0	4.1	3.4	3.9	4.5	4.7	5.0	3.5	2.3	1.6	1.4	0.3	0.7	-	-	-	-	-	-	-	c	30
A		3.1	3.1	3.1	3.1	3.3	3.2	3.1	3.1	3.3	3.1	3.2	3.3	3.4	3.6	3.4	3.7	4.2	4.4	4.0	3.0	2.6	2.7	2.6	2.9	3.2	-	-	-	-	-	-	-	
N		3.1	3.1	3.1	3.7	3.1	3.2	3.2	3.6	3.2	3.2	3.2	3.3	3.5	3.4	3.6	3.5	3.9	4.1	3.9	3.0	2.8	2.8	2.9	2.9	3.3	-	-	-	-	-	-	-	

CONDUCTIBILITÉ D'AIR (POSITIVE) $\times 10^{-15} [Q^{-1} m^{-1}]$
 AIR CONDUCTIVITY (POSITIVE) $\times 10^{-15} [Q^{-1} m^{-1}]$

1978

TMGr - GMT

Juillet - July

Date	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	0.8	1.1	1.7	1.7	2.0	2.4	2.3	3.1	4.3	4.7	4.5	4.6	4.5	4.7	4.6	5.7	4.9	3.5	2.7	2.1	1.8	1.8	2.0	-	-	3.2	9.1	0.6	8.5	c,f	1			
2	2.6	2.7	2.3	2.9	3.3	3.0	3.6	4.1	3.6	3.4	3.2	3.1	4.7	4.6	4.2	4.4	5.2	6.2	3.8	2.3	2.2	2.0	1.8	2.1	-	-	3.4	8.8	1.0	7.8	c,r	2		
3	2.4	2.7	2.7	2.6	2.9	3.3	3.4	3.2	3.1	3.0	2.9	2.6	3.1	3.7	3.8	4.0	4.1	4.6	4.7	3.1	4.2	3.0	2.3	3.9	-	-	3.3	5.3	2.1	3.2	c,r	3		
4	3.9	3.7	3.6	3.8	3.9	4.1	4.0	[4.0]	3.7	3.2	[3.0]	-	-	2.6	3.0	3.6	3.7	2.4	-	3.6	-	-	-	[2.4]	-	-	-	-	-	-	-	c,r,t	4	
5	1.8	1.7	1.8	2.6	3.9	4.5	4.6	3.9	3.6	3.7	3.6	4.2	3.7	-	2.8	-	-	-	-	-	-	3.6	2.6	2.7	-	-	-	-	-	-	-	c,r,t,h	5	
6	2.7	2.3	2.3	2.0	2.0	2.4	2.7	2.3	1.8	1.8	[1.9]	2.3	2.4	2.7	3.0	3.0	3.4	3.7	3.0	-	2.7	3.3	4.2	3.8	-	-	-	-	-	-	-	c,r	6	
7	3.4	2.6	3.0	3.0	3.3	3.3	3.6	3.0	3.0	2.9	4.0	3.4	3.3	3.5	3.6	3.4	2.7	2.5	2.1	1.7	1.5	2.0	2.1	2.1	-	-	2.9	6.5	1.3	5.2	c,r	7		
8	2.1	2.3	2.5	2.7	2.6	2.7	2.9	2.9	3.3	3.3	2.5	2.7	2.9	2.5	2.9	2.8	2.7	3.3	2.8	2.8	2.3	2.8	3.3	3.2	-	-	2.8	5.3	1.9	3.4	c,r	8		
9	3.4	3.3	1.6	2.3	2.9	3.0	2.9	3.0	2.6	2.7	2.5	2.5	3.1	2.7	3.3	2.8	4.6	4.9	4.1	4.8	4.8	3.8	2.8	2.8	-	-	3.2	6.2	1.0	5.2	c,r	9		
10	2.0	3.0	2.7	2.9	3.1	3.0	3.4	3.8	3.9	3.9	3.7	4.3	4.1	3.5	3.3	3.2	3.3	3.6	3.9	4.0	3.6	3.2	2.9	3.2	-	-	3.4	5.3	1.4	3.9	c,r	10		
11	3.2	3.0	2.4	2.4	2.6	3.0	3.3	3.3	3.2	3.1	2.9	2.9	2.8	4.0	(4.0)	-	3.5	3.9	3.3	3.2	3.0	2.4	2.7	2.5	-	-	-	-	-	-	-	c,r,t	11	
12	2.3	2.8	2.3	1.3	2.3	2.5	2.6	2.7	2.6	2.0	2.3	2.6	2.9	[2.9]	3.1	3.3	3.1	3.1	2.7	2.7	2.3	1.8	1.7	1.8	-	-	2.5	4.3	1.0	3.3	c	12		
13	1.8	2.0	1.6	2.0	2.2	3.4	3.8	4.3	3.8	3.4	2.9	3.9	3.6	3.9	4.3	4.2	4.3	5.2	4.3	4.3	4.6	4.6	4.5	4.3	-	-	3.6	6.3	1.3	5.0	c,r	13		
14	4.1	4.5	4.6	4.3	4.6	3.7	4.0	4.7	4.9	4.3	4.2	4.4	4.4	4.2	4.0	3.8	4.0	4.5	3.2	2.2	2.0	1.9	2.3	2.1	-	-	3.8	6.2	1.4	4.8	c,r	14		
15	3.6	3.0	3.2	3.1	4.2	4.6	5.1	4.3	5.2	6.1	5.6	5.3	4.3	4.7	4.3	4.0	4.8	5.3	4.2	4.5	5.2	5.5	5.9	5.5	-	-	4.6	6.7	2.4	4.3	c,r	15		
16	5.6	5.5	5.5	4.9	4.6	4.5	4.3	4.3	4.2	4.6	4.7	4.3	4.9	5.5	5.6	5.8	5.2	5.3	5.8	5.9	5.3	4.3	3.7	3.9	-	-	4.9	7.4	3.5	3.9	c,r	16		
17	4.2	4.2	4.3	4.3	4.0	4.3	4.6	4.5	4.5	4.3	4.3	4.0	4.3	3.6	4.0	4.9	4.6	5.3	4.9	6.2	5.0	4.8	4.3	4.3	-	-	4.5	7.2	2.8	4.4	c,r	17		
18	4.5	4.9	4.0	2.9	3.6	4.3	4.1	3.4	3.5	3.9	4.4	4.5	4.3	4.3	4.6	4.6	4.8	6.2	4.0	2.3	2.6	-	-	-	-	-	-	-	-	-	-	c	18	
19	-	-	-	-	-	-	-	-	2.7	2.7	2.8	2.7	2.3	3.0	3.0	3.0	-	-	-	[1.1]	1.0	0.8	0.8	0.6	0.4	-	-	-	-	-	-	-	c,r,l,f	19
20	6.7	0.9	1.1	1.3	1.7	2.4	2.5	2.5	3.0	3.4	4.0	3.3	2.5	3.3	4.2	3.9	4.3	4.8	3.1	3.0	3.2	3.1	2.8	3.7	-	-	2.8	5.7	0.3	5.4	c,r	20		
21	3.6	3.3	2.9	2.7	2.9	3.3	3.2	-	-	3.7	3.6	3.6	3.7	3.6	3.4	3.1	3.4	3.6	3.3	3.6	4.7	5.3	4.3	3.0	-	-	-	-	-	-	-	-	c,r	21
22	3.3	3.6	4.4	3.4	3.4	3.3	3.3	3.8	3.6	3.7	3.9	3.4	3.6	4.4	4.4	4.6	4.0	3.8	3.4	2.7	2.7	2.5	3.1	3.4	-	-	3.6	14.9	1.2	13.7	c,r,l	22		
23	3.0	2.6	3.2	3.3	3.9	4.1	3.9	4.2	3.7	3.7	3.7	3.4	4.3	4.5	4.1	4.6	4.9	4.8	4.9	5.5	5.5	3.4	2.3	2.4	-	-	3.9	8.1	1.6	6.5	c,r	23		
24	2.3	2.1	2.0	2.1	2.9	4.6	4.2	4.8	4.3	3.9	2.8	2.5	4.4	4.6	4.6	4.8	4.6	4.4	3.4	2.3	1.5	1.0	1.1	1.4	-	-	3.2	6.2	0.7	5.5	c,d	24		
25	1.5	1.3	1.6	1.8	2.3	3.2	3.9	4.1	4.3	5.5	5.0	5.5	5.6	5.6	5.8	5.2	4.8	4.7	4.0	2.6	2.3	2.1	1.9	1.6	-	-	3.6	6.5	1.0	5.5	c	25		
26	1.4	1.0	1.1	1.0	1.3	1.6	1.9	3.0	3.4	3.2	2.7	2.6	2.6	2.8	2.5	2.6	3.6	3.2	2.6	1.9	1.4	1.7	1.8	2.0	-	-	2.2	5.2	0.5	4.7	c	26		
27	1.8	2.0	1.9	1.7	2.6	3.4	3.1	3.5	[3.8]	3.4	3.7	3.8	3.9	3.6	3.9	4.3	4.8	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	b	27
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c	28
29	3.0	2.4	2.7	2.9	3.1	3.4	-	-	-	-	-	-	4.6	5.5	5.7	6.0	5.0	5.5	3.9	4.2	3.6	[3.5]	3.7	4.0	-	-	-	-	-	-	-	-	c	29
30	4.1	3.9	3.9	3.7	4.5	4.9	5.0	5.6	5.8	5.6	5.9	5.9	5.9	6.1	6.0	6.2	6.2	[6.6]	4.8	3.6	3.8	4.3	5.0	5.5	-	-	5.1	5.1	2.6	6.1	b	30		
31	5.9	5.3	4.0	3.9	5.3	4.4	4.0	4.2	5.0	5.3	5.0	4.9	5.1	5.3	5.1	6.2	5.5	6.1	5.0	4.6	4.0	3.9	3.5	3.9	-	-	4.7	8.3	2.5	5.8	c,l	31		
A	3.3	3.2	3.0	2.7	3.4	3.7	3.6	3.6	4.0	4.3	4.1	4.4	4.6	4.4	4.5	4.9	5.0	5.2	3.8	3.3	3.4	3.2	3.1	3.2	-	-	3.7	-	-	-	-	-	-	
N	2.9	2.9	2.8	2.7	3.2	3.5	3.6	3.7	3.7	3.7	3.7	3.7	3.9	4.0	4.0	4.2	4.3	4.5	3.7	3.4	3.2	3.1	2.9	3.0	-	-	3.5	-	-	-	-	-	-	

Aodt - August

CONDUCTIBILITÉ D'AIR (POSITIVE) $\cdot 10^{-15} [\Omega^{-1} m^{-1}]$
 AIR CONDUCTIVITY (POSITIVE) $\cdot 10^{-15} [\Omega^{-1} m^{-1}]$

1978
 TMGr - GMT

Date	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	Data	
1	3.6	3.9	4.3	4.4	4.8	5.3	5.2	5.5	5.6	5.4	5.5	5.1	4.8	4.6	5.0	4.6	5.1	5.4	5.5	5.6	5.8	5.8	6.4	5.6	5.1	5.1	7.5	2.7	4.8	c	1		
2	5.3	5.2	4.9	4.2	3.7	4.0	4.2	3.6	3.0	3.4	3.5	4.8	4.9	4.0	4.0	4.3	4.8	5.4	5.6	5.2	5.5	5.0	4.9	4.9	-	4.5	7.4	2.6	4.8	c	2		
3	4.9	5.1	4.9	4.9	4.3	3.7	3.6	3.2	3.2	3.7	5.0	5.8	5.4	4.1	3.9	4.5	4.1	3.2	4.0	3.6	3.1	2.3	2.7	1.4	-	4.0	6.8	0.8	6.0	c, r, l	3		
4	2.0	2.1	1.8	2.3	2.7	3.3	3.6	3.2	3.1	3.1	(2.8)	3.1	3.3	6.2	5.0	4.3	3.8	3.5	3.6	4.0	3.9	3.7	3.5	3.2	-	3.4	17.3	0.7	16.6	c, l, r	4		
5	2.7	1.8	1.9	2.0	2.5	2.9	3.1	3.6	3.7	3.9	4.0	3.6	3.6	3.9	4.3	4.0	3.7	5.0	4.6	4.1	3.7	3.6	4.0	4.3	-	3.5	5.6	1.3	4.3	c, r	5		
6	4.2	4.2	3.4	3.7	3.7	4.3	4.3	4.1	3.9	3.4	3.6	3.7	3.3	-	4.8	3.4	-	2.1	1.7	1.4	1.4	1.7	2.0	2.3	-	-	-	-	-	-	c, l, r, m	6	
7	2.6	2.3	2.1	1.7	2.3	2.4	3.1	2.9	3.0	3.3	3.3	3.7	3.0	3.2	3.7	4.2	4.0	3.5	3.7	5.3	4.7	6.3	4.8	4.3	-	3.5	7.8	0.8	7.0	c, m, r, l	7		
8	3.6	3.3	-	-	4.6	3.6	4.6	4.6	4.6	4.1	4.2	3.7	3.8	3.9	4.2	5.0	4.1	4.1	4.0	3.0	3.4	5.2	6.0	5.9	-	-	-	-	-	-	c, m, l, r	8	
9	6.0	6.1	5.6	6.2	6.3	6.5	6.9	6.7	4.6	4.3	5.7	4.7	3.6	3.5	3.6	3.4	3.3	4.9	6.3	6.2	6.8	6.9	6.6	6.5	-	5.5	8.7	3.0	5.7	c, r, l, wind	9		
10	6.0	5.5	4.9	4.6	3.9	3.9	4.4	4.5	4.5	4.3	4.3	3.8	4.2	4.0	3.9	5.8	5.5	5.5	6.2	5.0	5.6	6.3	4.9	4.7	-	4.8	8.3	3.3	5.0	c, r, wind	10		
11	5.6	5.8	5.9	5.2	4.3	4.3	3.7	3.7	3.6	3.7	3.9	4.0	3.9	3.9	3.9	4.1	4.3	5.0	5.9	4.5	4.3	4.6	4.2	2.6	-	4.4	7.3	2.1	5.2	c, r, l	11		
12	2.4	2.4	2.5	2.3	2.5	-	4.1	4.2	3.8	3.6	3.6	3.7	5.9	4.6	3.3	2.9	3.3	4.4	3.9	3.6	3.0	2.7	3.5	4.0	-	-	-	-	-	-	c, r, l	12	
13	5.5	5.6	4.7	4.1	3.9	5.6	3.6	3.7	4.0	4.4	4.9	4.8	4.6	5.0	5.2	5.5	4.1	5.1	3.7	4.9	5.3	4.2	1.8	1.3	-	4.3	6.9	1.0	5.9	c, d, r	13		
14	2.4	3.7	3.3	3.4	3.9	4.5	4.3	4.4	3.2	2.7	3.3	4.2	3.6	4.5	5.2	4.9	4.6	1.9	2.0	1.9	1.7	1.9	1.7	2.0	2.4	-	3.3	6.1	1.3	4.8	c, r	14	
15	3.3	4.3	4.3	3.6	3.0	(3.1)	-	2.6	2.9	3.0	3.0	3.0	3.2	3.2	3.4	3.5	3.6	2.9	2.0	1.8	2.2	3.4	4.1	4.3	-	-	-	-	-	-	c, r, m	15	
16	4.5	4.1	3.9	3.3	3.5	3.7	3.5	3.4	3.3	3.2	3.3	3.4	3.3	3.2	3.6	3.8	4.1	3.7	3.6	4.5	4.7	4.7	4.7	4.6	-	3.8	5.5	2.7	2.8	c	16		
17	4.5	4.2	4.0	-	3.5	3.7	3.5	3.3	3.3	3.5	3.9	4.0	4.1	3.9	3.6	4.3	4.8	4.1	3.7	3.2	2.8	3.1	3.5	-	-	-	-	-	-	-	c, m, r	17	
18	3.8	4.0	-	-	4.3	4.9	4.6	4.1	3.4	3.4	3.6	4.6	3.6	2.7	2.4	2.9	2.7	2.0	1.9	2.1	2.9	2.7	2.6	2.7	-	-	-	-	-	-	c, r	18	
19	2.9	2.8	3.6	-	4.1	-	-	5.3	5.3	4.6	4.9	5.1	4.0	4.0	3.6	3.8	3.7	-	3.6	3.6	4.0	4.0	4.2	3.9	-	-	-	-	-	-	-	c, r, m	19
20	4.6	4.5	4.1	4.2	4.8	5.3	5.1	4.9	5.0	5.3	5.2	5.2	5.1	5.7	5.5	5.5	5.9	5.2	3.4	2.4	2.4	2.2	2.7	3.0	-	4.5	7.7	1.8	5.9	c, r, m	20		
21	2.4	2.4	2.6	3.1	2.9	2.6	2.7	3.7	3.9	4.5	4.0	4.5	4.9	4.9	4.6	4.9	5.2	4.0	2.5	1.8	1.7	1.7	1.7	2.0	-	3.3	7.1	1.3	5.8	c, f	21		
22	2.0	2.2	2.0	2.6	2.5	3.2	3.1	3.5	3.9	4.5	4.4	4.3	4.2	4.1	4.0	4.0	4.8	3.0	1.9	1.6	1.7	2.1	2.3	2.3	-	3.1	6.6	0.9	5.7	c, m	22		
23	2.4	2.7	3.0	2.6	3.2	3.6	3.5	3.2	3.1	3.0	3.1	3.1	3.0	3.1	3.1	2.9	2.6	3.2	2.9	2.7	2.3	2.2	3.5	6.5	-	3.1	8.8	1.6	7.2	c, r	23		
24	6.9	5.4	3.2	2.9	3.3	3.0	3.6	4.4	3.9	3.7	3.7	3.6	3.9	3.9	3.6	4.0	4.0	4.6	3.6	3.4	3.0	2.8	2.5	2.7	-	3.7	7.9	1.9	6.0	c	24		
25	2.9	3.7	4.0	4.6	4.8	5.2	5.2	4.3	3.7	4.4	4.3	3.4	3.5	3.4	3.4	3.9	3.6	4.0	4.3	4.6	4.3	4.3	4.5	-	-	4.1	6.3	2.6	3.7	c, r	25		
26	4.8	4.6	4.6	5.0	5.2	4.8	5.2	5.3	4.9	4.7	4.8	4.0	4.4	5.3	5.2	5.3	5.0	5.2	7.5	5.9	3.4	3.7	4.1	4.6	-	4.9	16.1	0.5	15.6	c, r	26		
27	4.3	4.2	4.5	4.4	3.9	3.6	3.6	3.9	4.3	4.3	4.1	4.1	4.2	4.1	4.2	4.4	4.5	6.3	5.2	7.1	7.5	6.1	5.3	5.6	-	4.7	5.3	3.1	5.2	c, r, h	27		
28	5.0	5.9	6.5	6.4	4.7	4.0	4.7	5.5	4.1	4.0	4.2	4.3	4.3	4.6	4.5	4.1	4.3	3.4	3.2	3.2	3.9	3.8	3.4	4.2	-	4.4	6.9	2.9	4.0	c, r	28		
29	4.1	4.1	4.2	3.5	2.9	3.0	3.3	3.6	3.4	3.3	3.8	3.9	-	-	3.3	1.6	1.5	4.0	3.0	3.5	3.6	3.2	3.3	3.2	-	-	-	-	-	-	c, r	29	
30	2.4	3.0	2.2	2.1	1.9	1.8	1.8	2.3	2.2	2.5	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.6	2.6	2.5	1.7	2.0	2.4	2.8	-	-	-	-	-	-	c, m, r, l	30	
31	2.3	2.7	3.2	2.9	3.4	2.8	2.8	2.6	2.6	2.7	2.6	2.0	1.9	2.0	2.7	2.8	2.8	2.2	1.8	1.4	1.6	2.2	2.2	1.8	-	2.4	3.4	0.4	3.0	c, m, r	31		
A	3.6	4.1	3.5	3.4	3.5	4.0	4.0	4.1	4.0	4.2	4.4	4.4	4.8	4.6	4.2	4.4	4.6	4.2	4.1	4.2	4.1	3.9	3.1	-	-	4.0	-	-	-	-	-	-	
N	3.9	3.9	3.6	3.7	3.7	3.6	4.0	4.0	3.8	3.8	4.0	4.0	3.9	4.0	4.0	4.1	4.1	4.0	3.8	3.7	3.6	3.7	3.7	3.7	-	3.9	-	-	-	-	-	-	

Septembre - September

CONDUCTIBILITÉ D'AIR (POSITIVE) = $10^{-15} [Q^{-1} m^{-1}]$
AIR CONDUCTIVITY (POSITIVE) = $10^{-15} [Q^{-1} m^{-1}]$ 1978
TMGr - GMT

Date	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	2.1	2.0	2.6	2.2	2.2	2.4	2.7	3.1	3.2	3.3	3.1	3.7	3.4	3.8	3.7	4.2	4.8	3.9	3.0	2.3	2.3	2.1	2.5	3.3	-	3.0	5.8	1.4	4.4	c	1		
2	3.3	3.4	3.3	3.1	3.3	3.1	3.5	3.9	4.1	4.8	4.3	4.3	3.9	4.1	4.2	3.4	2.7	-	5.6	4.1	3.3	3.2	3.3	3.2	-	-	-	-	-	o,d,r	2		
3	3.3	3.6	3.3	3.4	3.2	3.2	3.7	3.9	4.1	(4.6)	-	-	5.2	4.2	4.2	4.5	4.0	4.1	3.0	3.4	3.0	3.6	3.6	3.5	-	-	-	-	-	o,r,l	3		
4	2.8	2.8	3.0	3.0	3.0	3.8	4.1	3.6	3.9	5.0	4.7	3.6	3.9	4.5	3.8	3.4	3.9	3.2	3.2	2.9	3.0	3.7	3.7	3.8	-	3.6	7.6	1.8	5.8	o,r	4		
5	3.6	3.7	3.6	3.0	3.1	3.2	3.7	4.0	3.2	3.0	3.0	2.9	2.7	2.7	2.6	2.4	3.1	3.3	2.0	2.0	2.1	2.0	1.7	1.9	-	2.9	4.3	1.3	3.0	o,r	5		
6	1.7	1.8	2.3	1.9	1.8	1.7	(2.1)	2.2	2.3	2.3	2.4	2.8	2.7	2.7	3.0	2.9	2.7	1.2	0.9	0.7	0.8	0.9	1.2	1.2	-	1.9	4.2	0.6	3.6	c,m	6		
7	1.4	1.4	1.7	1.6	1.8	2.0	2.4	3.0	3.2	3.2	3.2	3.1	3.0	3.0	2.9	2.9	2.6	2.4	2.1	2.3	2.9	3.0	2.9	2.6	-	2.5	3.9	0.9	3.0	c,m,r	7		
8	2.6	(2.4)	-	2.9	2.5	2.0	2.0	2.3	2.2	-	3.0	(2.6)	2.6	2.9	2.8	2.6	2.1	2.1	2.7	2.9	5.2	4.9	4.0	3.8	-	-	-	-	-	o,r,m	8		
9	3.9	3.6	3.5	3.4	2.8	2.1	2.9	3.3	3.3	4.1	3.9	4.0	4.1	-	-	-	-	2.0	1.1	1.3	1.6	1.6	1.8	2.6	-	-	-	-	-	c,m	9		
10	3.0	3.6	3.4	2.9	2.2	2.1	2.8	3.5	-	-	-	3.7	3.9	3.9	3.7	3.7	2.9	2.5	2.4	3.0	4.5	4.8	4.8	5.9	-	-	-	-	-	o,m,r	10		
11	6.7	7.1	6.8	6.3	5.4	4.0	4.0	4.8	4.1	3.9	3.8	3.5	3.2	3.7	2.3	2.9	3.0	2.6	3.8	4.0	4.8	6.5	4.9	5.3	-	4.5	7.8	1.5	6.3	o,r,l	11		
12	4.9	4.9	4.3	3.6	3.3	2.9	3.3	3.1	2.8	3.3	3.7	4.2	4.0	3.9	3.6	3.0	4.2	3.4	3.3	3.2	3.3	3.3	3.3	3.4	-	3.6	5.7	2.4	3.3	c,r	12		
13	3.3	2.9	3.1	3.0	2.9	2.7	2.6	2.7	3.2	3.3	3.6	3.9	3.8	4.1	4.4	4.1	4.6	2.3	1.7	1.4	1.4	1.5	1.7	-	3.0	6.1	1.0	5.1	o,m	13			
14	1.7	2.1	2.1	1.9	1.7	1.9	2.0	2.4	2.6	2.6	2.4	2.3	2.1	2.3	2.5	2.4	2.4	2.1	2.6	2.6	2.9	3.0	3.0	3.0	-	2.4	3.6	1.2	2.4	o,m,r	14		
15	2.7	-	-	2.3	2.0	1.7	2.1	2.3	2.6	3.4	3.9	4.1	3.5	4.2	4.5	5.5	4.2	3.3	3.4	3.2	2.9	2.7	2.7	2.8	-	-	-	-	-	c,m,r	15		
16	2.7	3.0	3.4	4.1	6.1	5.9	5.5	5.0	4.3	4.8	4.5	4.3	3.9	3.7	3.7	3.3	3.8	3.4	3.9	4.1	3.6	3.9	3.6	3.3	-	4.1	6.4	2.4	4.0	o,r,wind	16		
17	3.0	2.7	2.6	2.3	2.4	2.3	2.4	2.7	-	-	2.3	2.3	2.5	2.5	2.6	2.4	2.7	3.3	3.3	3.4	4.3	4.5	5.2	5.0	-	-	-	-	-	c,r,wind	17		
18	4.8	4.3	5.3	6.1	5.5	5.2	4.9	(4.0)	3.7	2.5	2.3	-	-	-	(3.5)	3.9	4.2	4.2	4.1	4.5	4.0	3.9	4.0	3.9	-	-	-	-	-	-	c,r,wind	18	
19	4.3	5.5	5.6	4.7	3.9	3.7	(3.2)	3.3	3.3	3.3	--	3.0	3.2	3.4	3.7	4.2	4.8	-	2.3	2.8	2.3	2.3	2.1	1.6	-	-	-	-	-	-	c,r	19	
20	1.8	1.6	2.1	2.3	2.3	2.1	2.5	2.4	2.6	3.0	3.2	3.1	3.6	3.9	3.3	3.9	4.4	3.4	2.6	2.0	1.8	2.1	2.4	2.4	-	2.7	5.8	1.1	4.7	c,r	20		
21	2.4	1.8	1.9	1.7	1.8	2.6	2.7	2.6	2.6	3.0	3.6	3.6	3.7	3.7	3.5	3.2	3.0	2.9	2.8	3.6	3.9	3.6	3.9	4.6	-	3.0	6.0	1.5	4.5	o,r	21		
22	5.7	4.4	3.6	3.2	3.2	3.1	3.2	3.4	3.6	3.9	3.9	3.7	3.3	3.3	3.9	4.0	3.7	3.7	3.2	3.3	3.5	3.5	3.2	3.3	-	3.6	7.3	2.7	4.6	c,r	22		
23	3.5	3.4	2.8	2.8	3.2	2.6	2.7	3.2	4.3	4.6	5.0	4.9	3.6	3.3	2.9	3.5	3.0	2.6	2.2	2.3	2.7	2.1	2.5	2.4	-	3.2	5.8	1.8	4.0	c,r	23		
24	2.3	2.0	1.9	2.0	2.3	2.0	1.3	2.3	3.6	3.7	4.0	4.7	6.1	3.4	5.2	4.3	3.5	3.5	3.3	3.2	3.3	3.3	2.4	2.6	-	3.2	7.5	0.8	6.7	o,f,m,r	24		
25	2.4	2.5	2.5	2.7	2.8	2.9	3.2	3.4	3.2	3.0	2.9	2.9	2.6	2.7	2.9	2.7	2.4	2.3	2.3	2.5	-	3.1	2.8	4.7	-	-	-	-	-	-	o,r	25	
26	6.7	5.3	3.3	3.6	3.9	3.6	4.2	3.9	3.8	3.5	4.7	4.4	5.2	5.6	5.6	5.5	3.8	2.0	1.3	1.3	1.6	2.5	3.3	3.6	-	3.8	7.5	1.1	6.4	c,r	26		
27	3.5	4.5	4.1	3.3	3.0	4.1	5.9	2.6	(2.4)	2.1	(2.6)	2.3	2.5	3.0	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,m,r	27
28	-	-	-	-	-	-	-	-	-	-	-	2.5	2.0	2.7	-	-	-	(1.3)	-	-	2.0	1.6	1.5	1.6	-	-	-	-	-	-	-	o,m,r	28
29	1.4	-	-	-	1.3	1.3	1.3	1.3	1.6	1.7	1.7	2.7	2.9	2.7	2.7	2.6	2.5	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	c,m,r	29
30	1.8	2.2	1.9	1.8	1.7	1.4	(1.1)	1.4	1.4	2.0	2.3	2.7	2.4	1.7	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o,r,m,f	30
A	4.8	4.3	5.3	6.1	5.5	5.2	-	2.2	2.6	2.6	2.7	2.7	2.6	3.6	3.6	4.2	3.8	2.9	2.7	2.5	2.3	2.9	3.8	3.7	-	3.2	-	-	-	-	-	-	
N	3.2	3.3	3.2	3.0	2.9	2.8	3.0	3.1	3.2	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.4	2.9	2.8	2.8	2.9	3.1	3.0	3.2	-	3.2	-	-	-	-	-	-	

Octobre - October

CONDUCTIBILITÉ D'AIR (POSITIVE) • $10^{-15} [\Omega^{-1} m^{-1}]$
AIR CONDUCTIVITY (POSITIVE) • $10^{-15} [\Omega^{-1} m^{-1}]$

1978

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		1.1	1.4	1.7	1.8	1.8	2.0	2.3	2.1	2.0	2.4	2.3	2.4	2.3	2.4	2.5	2.5	2.5	2.5	2.6	3.0	3.2	3.4	4.0	5.1	-	-	2.5	5.9	0.6	5.3	o,m,r,d	1						
2		4.9	4.6	4.8	4.5	4.2	3.9	3.9	3.7	3.6	4.1	4.7	4.8	5.2	4.9	3.6	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,r,m,f	2				
3		1.5	1.9	1.8	2.7	3.0	2.9	2.9	3.0	3.2	3.0	3.0	3.2	3.0	2.9	2.9	2.7	2.9	3.0	2.9	2.9	2.9	2.8	2.6	2.3	-	-	2.7	3.6	1.0	2.6	o,d,r	3						
4		2.4	1.8	1.4	2.1	1.7	1.6	2.0	2.5	2.7	3.0	3.3	3.3	3.6	3.6	3.4	2.1	1.9	1.0	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	o,f,m,r,l	4				
5		5.8	6.2	5.9	4.9	3.8	3.7	2.6	2.4	2.6	2.4	2.5	2.9	3.3	3.8	4.3	4.0	3.4	3.3	3.7	3.7	3.4	3.1	2.9	3.0	-	-	3.6	7.1	2.1	5.0	c,r	5						
6		2.7	2.8	3.0	-	-	-	-	-	-	3.4	3.6	3.8	3.9	3.2	3.5	3.1	2.2	1.7	1.8	1.8	1.7	1.4	1.4	0.8	0.8	-	-	-	-	-	-	-	-	o,r	6			
7		1.8	2.0	2.0	2.1	2.0	1.8	2.1	2.4	2.5	2.5	3.2	3.2	3.5	3.5	4.0	4.6	3.7	3.4	3.8	3.5	2.3	2.0	1.9	-	-	-	-	-	-	-	-	-	o,m,r	7				
8		2.0	2.4	2.3	2.2	1.6	2.1	1.5	2.4	2.8	2.7	2.8	3.1	2.9	3.0	3.1	2.4	1.3	1.6	1.7	1.5	1.3	1.1	(1.1)	-	-	-	-	-	-	-	-	-	-	b,f,m	8			
9		-	-	-	-	-	-	-	(2.1)	2.3	2.5	2.7	2.6	2.7	2.7	2.9	3.0	1.0	0.7	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	b,f,m	9		
10		-	-	-	-	-	-	-	-	-	-	2.3	2.1	2.1	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,m,f	10		
11		-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.6	2.6	2.1	1.3	0.8	(1.0)	(1.3)	(1.6)	(1.8)	(1.7)	(2.3)	-	-	-	-	-	-	-	-	-	-	c,f,m	11		
12		(2.1)	(2.1)	(2.1)	(2.1)	(2.1)	(1.7)	(1.8)	(1.7)	(1.6)	(1.5)	(1.8)	(2.3)	(2.6)	(3.3)	(2.6)	1.1	0.8	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,f,m	12		
13		-	-	-	-	-	-	-	-	-	2.6	3.6	4.0	2.7	2.9	2.9	2.4	1.1	0.7	0.7	0.8	0.9	1.1	1.1	1.0	-	-	-	-	-	-	-	-	-	-	c,f,m	13		
14		1.1	1.1	1.4	1.6	1.7	1.3	0.9	2.1	2.7	3.0	2.9	2.4	2.7	2.7	2.5	2.0	1.2	0.8	0.8	0.8	1.0	1.1	1.2	1.2	-	-	1.7	3.2	0.7	2.5	-	-	-	-	b,m	14		
15		1.3	1.1	1.1	1.3	1.1	1.2	1.6	1.9	2.1	2.4	2.4	2.6	3.1	3.0	2.9	3.1	2.9	2.4	2.3	2.3	2.3	2.3	2.4	2.6	-	-	2.2	3.3	1.0	2.3	-	-	-	-	o,f,m,d	15		
16		2.6	3.3	4.5	5.0	5.0	3.7	2.4	1.8	2.6	3.6	3.6	-	3.3	3.0	2.7	2.7	1.9	2.2	2.9	3.2	3.6	3.2	3.8	-	-	-	-	-	-	-	-	-	-	-	o,m,d	16		
17		4.0	4.4	4.6	4.4	3.8	3.6	2.8	2.8	(3.1)	3.0	3.0	2.9	2.9	3.0	2.7	2.6	2.6	2.0	1.3	1.3	1.0	1.1	1.1	1.2	-	-	2.7	5.3	0.8	4.5	-	-	-	-	c,m	17		
18		1.4	1.4	1.4	1.6	1.6	1.2	1.1	1.3	1.7	1.6	1.8	2.1	2.1	2.0	1.6	1.0	-	1.2	1.1	1.7	1.2	1.4	1.7	1.6	-	-	-	-	-	-	-	-	-	-	c,m,f	18		
19		1.6	1.6	1.6	1.7	2.0	1.8	1.7	1.6	1.6	1.6	1.8	1.8	2.0	1.9	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,m,d	19	
20		-	-	-	-	-	-	-	-	-	1.8	2.0	1.8	2.0	2.1	2.2	2.0	2.1	2.3	2.1	2.1	2.4	2.7	2.6	2.2	2.5	-	-	-	-	-	-	-	-	-	-	o,m,r	20	
21		2.4	2.6	2.4	3.0	2.9	3.0	3.6	4.1	4.1	3.4	(3.7)	4.3	(3.6)	4.6	3.0	3.0	2.7	2.6	2.7	3.0	4.0	3.2	2.6	2.7	-	-	3.2	13.4	1.9	11.5	-	-	-	-	-	c,r,s,l,hf	21	
22		3.3	3.3	3.9	4.3	5.9	4.3	4.0	3.7	3.4	3.7	4.0	4.1	4.1	4.6	4.2	3.3	3.0	3.2	3.2	2.6	2.3	2.9	2.3	2.0	-	-	3.6	6.9	1.6	5.3	-	-	-	-	-	c,r	22	
23		2.4	2.6	3.1	3.4	2.3	1.8	1.7	1.8	2.1	2.6	3.0	-	4.3	3.4	3.0	2.3	2.5	3.1	3.2	3.2	3.0	3.3	3.6	3.6	-	-	-	-	-	-	-	-	-	-	-	o,m,r	23	
24		3.3	3.5	3.3	3.3	2.8	2.9	3.0	3.0	2.9	2.6	2.7	2.6	2.5	2.9	3.0	(2.8)	2.7	2.7	2.8	3.0	3.1	3.0	3.4	3.3	-	-	3.0	4.1	2.1	2.0	-	-	-	-	-	c,r	24	
25		3.3	3.2	2.9	2.7	2.7	2.8	2.8	4.1	4.3	3.9	3.8	3.5	3.9	4.8	3.4	4.0	3.6	3.7	3.6	4.1	4.2	4.9	4.2	4.0	-	-	3.7	11.7	1.6	10.1	-	-	-	-	-	o,r	25	
26		5.0	3.6	4.0	3.7	3.2	2.8	2.2	2.1	2.3	2.7	3.0	3.4	3.8	4.5	4.3	3.4	1.7	1.1	1.0	1.1	1.1	1.7	1.8	1.7	-	-	2.7	6.1	0.9	5.2	-	-	-	-	-	c,r	26	
27		1.5	1.4	1.6	1.6	1.4	1.0	1.0	1.0	2.0	2.4	3.2	3.6	3.3	2.5	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	c,hf,r,g,m,f	27	
28		-	1.0	1.1	1.1	1.0	1.1	1.3	1.4	1.7	1.8	1.7	1.8	1.7	1.6	1.6	1.1	1.1	1.3	1.3	1.8	2.1	2.0	2.1	2.1	-	-	-	-	-	-	-	-	-	-	-	-	o,hf,r	28
29		2.3	2.3	2.4	2.6	2.6	2.6	2.5	2.4	2.3	2.3	2.3	2.6	3.3	2.6	2.8	2.8	2.6	2.6	2.8	2.9	3.0	3.4	3.6	3.2	-	-	2.7	4.6	1.8	2.8	-	-	-	-	-	o,r,d,m	29	
30		3.6	3.7	3.8	3.6	3.6	3.4	2.9	3.1	2.7	4.7	3.0	3.1	2.7	2.6	2.5	2.4	2.4	2.1	2.1	2.7	2.5	2.5	2.7	2.8	-	-	2.9	4.1	1.8	2.3	-	-	-	-	-	o,d,r	30	
31		2.8	2.7	2.7	2.7	2.7	2.6	2.3	1.8	1.8	1.9	2.0	1.8	1.8	1.9	1.8	2.0	1.8	1.6	1.2	1.1	0.9	0.9	0.9	1.0	-	-	1.9	3.3	0.7	2.6	-	-	-	-	-	o,d,r,m	31	
A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
N		2.6	2.6	2.7	2.8	2.7	2.4	2.3	2.4	2.6	2.7	2.9	2.9	3.0	3.0	2.9	2.7	2.2	2.0	2.0	2.3	2.3	2.4	2.4	2.4	-	2.9	2.6	-	-	-	-	-	-	-	-	-		

CONDUCTIBILITÉ D'AIR (POSITIVE) $\cdot 10^{-15} [Q^{-1} m^{-1}]$
 AIR CONDUCTIVITY (POSITIVE) $\cdot 10^{-15} [Q^{-1} m^{-1}]$

1978

TMGr - GMI

Novembre - November

Date	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	0.6	0.9	1.0	1.2	1.3	1.4	1.5	1.7	1.9	2.1	2.6	2.8	3.0	2.6	1.7	1.4	1.1	1.1	0.8	0.7	0.7	0.9	1.0	1.1	1.1	-	1.5	3.6	0.5	3.1	c,f,m	1		
2	1.3	1.3	1.3	1.5	1.5	1.2	0.8	1.1	0.8	1.2	1.6	(2.0)	1.9	1.7	1.4	0.7	0.5	0.4	0.5	0.7	1.0	1.1	1.3	1.4	1.4	-	1.2	2.4	0.4	2.0	c,f,m	2		
3	1.2	1.3	1.5	1.6	1.4	1.1	1.0	(1.1)	1.3	1.7	1.8	2.0	2.3	2.4	1.8	1.4	0.9	0.7	0.7	0.6	0.6	0.8	0.8	0.7	0.7	-	1.3	2.7	0.4	2.3	b,f,m	3		
4	1.0	0.8	0.8	0.9	1.1	1.1	1.1	1.3	1.8	2.6	3.3	3.6	3.3	3.3	2.7	2.6	2.8	2.6	2.4	2.7	2.4	2.6	2.6	2.6	2.6	-	2.2	4.1	0.6	3.5	c,f,m	4		
5	2.7	2.8	2.7	2.8	3.0	2.7	2.4	2.6	2.7	2.6	3.0	3.0	3.4	3.0	3.0	3.0	1.8	1.6	1.7	2.3	2.6	3.0	3.7	2.9	2.9	-	2.7	4.3	1.3	3.0	c,m,d	5		
6	3.1	2.6	3.0	3.3	3.3	3.0	3.0	2.9	2.8	3.1	2.7	2.7	3.0	2.7	2.1	2.3	2.1	2.3	2.1	2.3	2.4	2.5	2.5	2.7	2.7	-	2.7	3.7	1.6	2.1	c,d	6		
7	2.6	2.5	2.6	2.3	2.0	1.8	1.7	1.7	2.0	2.6	3.0	2.9	2.9	1.7	1.6	1.6	1.1	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	c,m,d,f	7	
8	1.2	1.6	1.7	1.4	1.5	1.9	2.0	2.0	1.6	1.6	2.2	2.4	2.4	3.0	2.4	1.9	1.7	2.0	2.1	2.0	1.8	1.8	1.6	1.4	1.4	-	1.9	3.7	0.7	3.0	c,f,m,d	8		
9	1.7	1.7	1.9	2.3	2.3	2.0	2.2	2.6	2.5	2.3	-	-	2.2	2.3	2.1	1.9	1.5	1.1	1.0	1.1	1.5	-	-	-	-	-	-	-	-	-	-	c,m,f,d	9	
10	1.3	1.4	1.4	1.6	1.8	1.7	1.6	1.7	1.7	2.0	2.1	2.0	2.0	(1.9)	1.7	1.7	1.5	1.6	1.5	1.4	1.4	1.8	3.0	3.4	3.4	-	1.8	3.7	1.0	2.7	c,f,m,d	10		
11	3.5	3.9	3.4	3.1	3.3	3.3	2.9	2.6	2.3	2.6	3.2	3.2	2.8	2.7	2.9	3.2	3.3	3.0	3.1	3.2	3.3	3.4	3.5	3.9	3.9	-	3.2	5.6	2.1	3.5	c,d,m	11		
12	3.9	4.0	4.0	4.5	4.8	4.9	5.0	3.7	3.3	3.6	3.0	2.9	3.0	2.8	3.0	3.3	3.0	2.7	2.9	2.8	3.1	3.2	3.6	3.4	3.4	-	3.5	5.6	2.3	3.3	c,m,d	12		
13	3.6	4.0	3.6	3.7	4.0	3.5	4.6	3.9	3.2	3.2	2.9	(3.0)	2.9	2.6	2.0	1.3	1.0	0.8	0.7	0.9	0.8	1.1	1.1	1.3	1.3	-	2.5	5.0	0.7	4.3	c,m,bf	13		
14	1.4	1.7	2.3	2.5	2.6	2.0	2.1	2.0	2.1	2.3	2.3	2.3	2.6	2.9	2.6	2.6	2.4	1.7	1.6	1.4	1.3	1.6	1.8	1.8	1.8	-	2.1	3.8	1.1	2.7	c,m	14		
15	1.7	1.8	2.0	2.4	3.3	3.5	3.3	3.3	2.9	2.8	2.7	2.6	2.6	2.6	2.2	2.9	3.1	3.3	3.2	2.8	2.6	2.3	2.1	2.1	2.1	-	2.7	3.6	1.6	2.0	c,d	15		
16	2.0	2.3	2.1	2.4	2.3	2.6	2.6	3.0	3.4	3.6	3.6	3.7	3.0	3.1	3.0	3.2	3.0	3.1	2.5	2.6	2.4	2.9	3.1	3.1	3.1	-	2.9	4.8	1.8	3.0	c,hf	16		
17	3.2	3.0	3.0	2.9	2.9	2.7	2.1	2.0	1.8	1.7	1.8	1.9	2.0	2.3	2.4	2.3	2.0	1.7	1.9	2.0	2.2	2.4	2.4	2.4	2.4	-	2.3	3.5	1.5	2.0	c,d	17		
18	2.4	2.3	2.1	2.1	2.1	2.3	2.6	2.4	2.5	2.4	2.4	2.3	2.4	2.6	2.5	2.4	2.3	2.4	2.7	2.6	2.7	2.8	3.0	2.7	2.7	-	2.5	3.4	1.8	1.6	c,d,r	18		
19	2.9	3.4	3.4	3.3	3.8	4.3	3.9	3.5	3.3	3.5	3.3	3.2	3.1	3.3	3.0	3.4	3.4	3.2	3.6	3.4	3.1	3.2	3.6	3.8	3.8	-	3.4	5.2	2.6	2.6	c,r	19		
20	3.7	3.5	3.6	3.4	2.6	2.6	2.9	3.5	3.6	3.3	3.2	3.0	3.3	3.2	2.9	2.7	2.7	2.6	2.4	2.0	1.8	1.4	1.3	1.6	1.6	-	2.8	4.3	1.2	3.1	c,m,hf	20		
21	1.6	1.6	1.7	1.6	1.3	1.0	1.1	1.1	1.4	1.7	1.6	1.7	1.9	2.0	1.4	1.2	1.1	-	-	1.0	1.2	1.3	1.5	1.3	1.3	-	-	-	-	-	-	c,hf,m,f	21	
22	1.4	1.7	2.1	2.3	2.5	2.4	2.2	2.3	2.0	1.7	1.7	1.8	1.9	1.5	1.4	1.5	1.4	1.5	1.7	1.7	1.8	1.7	1.7	2.1	2.1	-	1.8	2.8	1.0	1.8	c,r	22		
23	2.0	2.0	2.4	2.7	2.9	3.0	3.0	3.0	2.9	2.8	2.7	2.5	2.5	2.6	2.6	2.0	2.3	-	-	1.7	1.7	1.8	1.9	1.3	1.3	-	-	-	-	-	-	c,r, wind	23	
24	1.3	1.2	2.3	1.8	-	-	-	-	-	1.7	1.8	2.0	2.1	2.0	2.0	1.8	1.8	1.8	1.9	2.1	2.1	2.4	2.6	2.4	2.4	-	-	-	-	-	-	-	c,r	24
25	2.4	2.6	3.0	3.0	3.2	3.6	3.7	3.1	2.7	2.6	2.9	2.8	2.7	2.7	1.4	1.1	0.9	0.7	0.7	0.4	0.5	0.6	0.7	1.3	1.3	-	2.1	4.5	0.4	4.1	c	25		
26	1.6	2.0	2.0	2.3	2.5	2.4	2.4	2.3	2.2	1.8	2.0	1.8	1.7	1.8	1.8	1.6	1.7	2.0	2.0	2.3	2.1	2.0	1.7	2.1	2.1	-	2.0	2.8	1.4	1.4	c,d	26		
27	4.3	2.3	2.4	2.7	2.7	2.7	2.8	2.4	2.0	1.4	1.1	1.3	1.4	1.0	1.0	0.8	0.8	1.0	1.2	0.8	1.3	1.0	2.7	2.6	2.6	-	1.7	3.7	0.7	3.0	c,s	27		
28	3.3	2.7	2.7	2.0	2.3	2.2	1.8	2.1	1.7	1.1	0.9	1.3	1.2	1.1	1.6	1.3	0.9	0.6	0.8	1.4	0.9	0.7	0.8	1.1	1.1	-	1.5	3.9	0.6	3.3	c,s,m,f,r	28		
29	2.3	3.0	2.7	3.6	5.8	5.9	5.9	5.6	4.5	3.7	2.9	2.7	2.9	2.8	2.9	2.9	2.9	2.8	2.6	2.6	2.6	3.2	3.2	3.3	3.3	-	3.5	7.4	1.4	6.0	c,r	29		
30	3.0	2.9	3.0	2.9	1.8	2.2	2.1	1.8	1.6	1.4	1.3	1.5	1.4	1.3	1.3	1.1	1.4	1.9	2.0	1.7	2.2	2.9	3.3	4.3	4.3	-	2.1	4.7	1.1	3.6	c,m,d,r	30		
A	3.2	3.0	3.0	2.9	2.9	-	-	3.0	3.5	3.2	2.9	2.8	2.7	3.0	2.2	2.0	2.7	-	3.2	-	3.1	3.2	3.4	3.4	3.4	2.9	-	-	-	-	-	-	-	
N	2.2	2.3	2.4	2.5	2.6	2.6	2.6	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.1	2.0	1.9	1.8	1.9	1.8	1.9	2.0	2.2	2.3	2.3	-	-	-	-	-	-	-	

CONDUCTIBILITÉ D'AIR (POSITIVE) $\times 10^{-15} [\Omega^{-1} m^{-1}]$
 AIR CONDUCTIVITY (POSITIVE) $\times 10^{-15} [\Omega^{-1} m^{-1}]$

Décembre - December

1978

TMGr - GMT

Date	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	4.1	5.7	6.6	4.9	4.6	5.7	4.3	3.1	3.2	2.7	2.9	2.7	2.7	2.7	2.4	2.3	2.0	2.4	2.0	2.5	2.8	3.0	2.9	4.1	-	3.4	7.4	1.7	5.7	o,m,r,d	1	
2	5.3	5.1	5.3	3.9	4.9	4.9	3.9	3.6	2.5	3.1	3.2	2.9	3.2	2.9	3.4	3.1	2.4	2.5	2.6	2.9	2.5	2.7	3.2	4.2	-	3.5	7.2	1.8	5.4	o,r,s,g,d	2	
3	5.5	4.6	4.3	4.0	4.3	4.0	2.5	1.9	2.4	3.0	3.3	3.3	2.8	2.6	1.4	1.0	0.7	0.8	1.1	1.0	1.3	1.9	3.7	4.4	-	2.7	7.1	0.6	6.5	c,d,hf	3	
4	4.0	4.2	5.0	4.2	3.4	1.6	1.2	1.1	2.7	2.7	2.9	2.8	3.0	2.9	2.2	1.4	1.5	2.2	1.7	2.4	3.3	3.3	4.5	3.4	-	2.8	8.5	0.9	7.6	c,hf,s	4	
5	3.5	3.6	2.0	1.7	1.9	2.0	1.8	1.3	1.4	3.3	3.0	3.5	3.5	3.0	1.7	0.8	1.0	1.6	2.1	2.9	3.1	3.3	3.1	3.6	-	2.4	4.5	0.6	3.9	c,s,hf	5	
6	4.0	5.0	5.3	3.3	2.5	1.7	1.0	2.6	2.7	3.1	3.0	3.1	2.8	3.1	1.9	0.8	0.6	0.4	0.4	0.5	0.6	0.7	0.9	1.3	-	2.1	6.9	0.3	6.6	c,s,m,hf	6	
7	1.4	1.3	1.0	1.0	1.0	0.7	0.8	0.8	1.0	1.6	1.8	2.0	2.2	1.7	1.1	0.8	0.8	1.0	1.1	1.3	1.1	1.2	1.1	1.2	-	1.2	2.7	0.6	2.1	c,hf	7	
8	1.7	1.7	1.7	(1.8)	1.6	1.0	1.0	0.7	1.1	1.6	2.4	2.5	2.5	2.1	1.6	1.4	1.4	1.3	1.9	1.8	2.0	1.7	2.2	2.6	-	1.7	3.7	0.6	3.1	b,hf	8	
9	2.7	2.7	2.9	2.6	2.5	2.3	2.0	1.8	2.1	2.4	2.2	2.5	2.4	2.2	1.9	2.1	1.9	1.7	1.8	1.6	1.6	1.6	1.8	1.8	-	2.1	3.2	1.4	1.8	c,hf,s	9	
10	1.5	1.5	2.1	2.1	1.8	1.9	1.8	1.9	2.0	2.0	1.7	1.7	1.6	1.6	1.6	1.2	1.1	1.2	1.2	1.2	1.2	1.4	1.7	2.0	-	1.6	2.6	0.6	2.0	o,m,s	10	
11	2.1	2.2	2.3	2.2	2.1	2.0	1.9	1.7	1.8	1.8	1.8	1.8	1.6	-	1.6	1.4	1.3	1.5	1.5	1.7	1.8	1.9	2.1	2.2	-	-	-	-	-	o,s	11	
12	2.1	2.1	2.1	1.9	1.9	1.8	1.6	1.5	1.6	1.8	1.9	1.7	1.6	1.5	1.0	0.9	1.1	1.2	1.4	-	1.6	1.6	1.6	1.7	-	-	-	-	-	o,s,d	12	
13	1.8	1.7	(1.7)	1.7	1.5	1.4	1.5	1.3	1.1	0.9	0.9	-	0.7	0.8	1.2	1.2	1.0	1.3	1.3	1.4	(1.4)	1.7	1.9	1.8	-	-	-	-	-	o,f,r	13	
14	2.1	2.6	2.4	2.1	2.8	2.8	2.6	1.3	1.3	-	(1.7)	1.3	1.0	(1.2)	1.4	1.5	1.6	1.1	1.0	0.8	0.6	0.9	1.1	1.3	-	-	-	-	-	o,m,r,d	14	
15	1.3	1.1	1.0	1.1	1.1	1.2	1.0	1.4	1.6	1.8	1.7	1.7	1.8	1.8	1.6	1.7	1.7	2.1	2.2	1.8	2.1	2.3	2.2	2.3	-	1.6	2.7	0.6	2.1	o,m,d,r	15	
16	2.0	(1.9)	1.6	1.5	1.9	1.3	0.9	0.8	-	-	1.1	1.3	1.0	0.6	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.7	0.6	1.1	-	-	-	-	-	o,f,r	16	
17	1.3	1.3	2.0	-	3.0	2.8	2.6	2.3	2.0	2.0	3.3	4.7	3.0	2.4	2.0	1.6	1.7	1.7	1.5	1.4	1.4	1.2	1.0	1.0	-	-	-	-	-	c,s	17	
18	1.3	1.4	1.3	1.4	-	0.8	0.6	0.6	0.6	1.0	1.2	1.4	2.1	2.3	2.0	1.3	1.5	1.4	1.4	1.2	1.3	1.5	1.4	1.8	-	-	-	-	-	c,s	18	
19	2.1	1.7	1.7	1.9	1.8	2.1	2.3	2.0	1.7	1.7	1.7	1.8	1.6	1.7	1.6	0.8	0.7	0.6	0.5	0.4	0.5	0.7	0.6	1.1	-	1.4	2.8	0.3	2.5	c,m	19	
20	1.1	1.4	1.6	1.4	1.3	1.1	1.1	0.9	0.7	1.1	1.2	1.3	1.6	1.6	1.5	1.9	1.9	2.1	2.3	2.1	1.5	2.1	2.3	1.9	-	1.5	2.6	0.4	2.2	o,m	20	
21	2.0	2.1	2.5	2.3	1.7	1.7	1.7	1.4	1.2	1.3	1.6	1.6	2.0	1.7	1.3	1.0	1.0	0.8	0.8	0.8	1.1	1.4	1.7	1.6	-	1.5	3.3	0.7	2.6	c,m,s	21	
22	1.7	2.0	2.1	2.0	1.7	1.7	1.3	1.2	1.3	1.4	1.5	1.6	1.5	1.6	1.3	1.2	1.3	1.4	1.4	1.4	1.6	1.6	1.7	1.8	-	1.6	2.3	1.0	1.3	c,hf	22	
23	1.8	1.8	1.8	1.8	2.0	1.6	1.4	1.1	1.3	1.6	1.6	1.6	1.4	1.1	0.8	0.5	0.4	0.4	0.3	0.4	0.4	0.6	1.0	1.1	-	1.2	2.1	0.2	1.9	c,m,hf	23	
24	1.3	1.4	1.4	1.6	1.5	1.6	1.6	1.3	1.1	0.9	1.0	1.0	1.0	1.0	0.9	0.8	-	(1.2)	0.9	0.7	0.7	0.9	1.1	-	-	-	-	-	-	o,m,g	24	
25	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.5	1.6	1.7	1.8	1.8	1.3	1.3	1.7	1.8	1.6	1.6	1.3	1.4	1.6	1.7	-	1.5	2.1	0.9	1.2	o,r	25	
26	2.0	1.8	1.9	2.1	2.0	2.6	2.7	2.2	2.5	1.6	2.1	1.3	1.4	1.4	1.3	1.3	1.5	1.6	1.4	1.7	1.8	2.1	2.3	2.4	-	1.9	3.3	1.1	2.2	o,m,r,d	26	
27	2.6	2.8	2.7	1.7	2.4	2.4	2.1	2.0	1.6	1.3	1.3	1.5	1.7	1.7	1.6	1.6	2.0	2.0	2.0	1.5	1.4	1.4	1.7	1.7	-	1.9	3.2	1.1	2.1	o,m,r,d	27	
28	1.6	1.7	1.9	2.1	2.6	3.0	1.9	2.0	1.7	1.8	1.7	1.4	1.3	1.5	1.2	0.9	1.2	1.0	1.8	2.6	2.6	2.7	2.9	2.5	-	1.9	3.3	0.8	2.5	o,m,d,s,r	28	
29	2.9	1.9	2.3	2.4	2.8	3.0	2.4	2.7	2.5	3.7	3.9	5.8	2.8	2.4	2.7	2.5	2.4	4.6	3.6	2.5	3.9	3.9	4.5	3.8	-	3.2	9.6	1.5	8.1	o,d,g	29	
30	3.6	3.7	3.5	3.6	3.3	2.9	2.9	2.6	2.0	2.0	2.0	2.0	1.8	1.6	1.4	2.1	2.2	2.3	2.5	2.9	2.7	2.9	2.9	2.6	-	2.6	5.7	1.2	4.5	o,s	30	
31	3.9	3.0	3.2	3.4	2.7	2.9	2.6	2.7	3.5	-	-	-	-	-	-	-	-	-	-	-	-	2.6	2.7	2.4	-	-	-	-	-	o,s	31	
A	2.5	2.6	2.5	2.8	2.6	2.0	1.5	1.4	1.9	2.1	2.3	2.4	2.2	2.1	1.5	1.0	1.2	1.3	1.5	1.3	1.4	1.5	2.1	2.5	-	1.9	-	-	-	-	-	-
N	2.4	2.5	2.5	2.3	2.3	2.1	1.9	1.7	1.8	2.0	2.0	2.2	2.0	1.9	1.6	1.4	1.4	1.5	1.5	1.6	1.7	1.8	2.1	2.2	-	1.9	-	-	-	-	-	-

NOMBRE DE NOYAUX DE CONDENSATION
PAR 1 CM³ D'AIR

NUMBER OF CONDENSATION NUCLEI
PER 1 CM³ OF AIR

Janvier - January

1978

Février - February

Date	I	II	III	M
1	10340	17730	15760	14610
2	7630	19200	10830	12550
3	13790	18220	17730	16580
4	21170	24620	16740	20840
5	12800	35950	18220	22320
6	14770	23390	33240	23800
7	17230	14280	16250	15920
8	14770	19200	20680	18220
9	22160	58100	20680	33650
10	27570	34470	14280	25440
11	33980	20680	19700	24790
12	10830	46290	31020	29380
13	23140	21670	22160	22320
14	14770	41850	30040	28890
15	17480	28070	24130	23230
16	21670	43330	23640	29550
17	24620	33980	32500	30370
18	33480	32010	26100	30530
19	15260	25600	41360	27410
20	25110	24620	34470	28070
21	35450	22160	25110	27570
22	20190	36930	46290	34470
23	17730	23640	33980	25120
24	36440	27080	24130	29220
25	25110	26590	22160	24620
26	13790	30040	23640	22490
27	11820	15760	19200	15590
28	16740	15260	39390	23800
29	13290	48260	18220	26590
30	14770	14280	15760	14940
31	12310	9850	12310	11490
M	19360	27520	24180	23690

Date	I	II	III	M
1	17730	13290	18710	16580
2	14280	13790	20190	16090
3	11330	14280	18220	14610
4	24620	28070	17230	23310
5	16740	25600	24130	22160
6	19700	22160	24130	22000
7	18710	22160	15760	18880
8	16250	10340	17230	14610
9	14770	14770	25600	18380
10	28070	15260	18220	20520
11	13540	16500	19450	16500
12	10340	24370	20930	18550
13	12310	11570	27570	17150
14	20680	15760	13290	16580
15	14280	56130	15760	28720
16	11330	24130	29540	21670
17	15260	58100	72630	48660
18	46780	38410	33980	39720
19	19200	19940	33480	24210
20	14280	12800	44810	23960
21	44320	34960	24620	34630
22	33480	20190	12800	22160
23	9360	17730	13290	13460
24	16740	53670	22650	31020
25	18710	38900	15260	24290
26	25600	47760	16740	30030
27	15760	26590	21170	21170
28	37420	28070	27080	30860
M	20060	25900	23730	23230

Note: I) 6¹⁰ - 6³⁰; II) 11⁰⁰ - 11³⁰; III) 18¹⁰ - 18³⁰ (TMGr - GMT)

NOMBRE DE NOYAUX DE CONDENSATION
PAR 1 CM³ D'AIR

NUMBER OF CONDENSATION NUCLEI
PER 1 CM³ OF AIR

Mars - March

1978

Avril - April

Date	I	II	III	M
1	32010	30530	29050	30530
2	27820	16000	24130	22650
3	14280	16250	22160	17560
4	14530	18960	15020	16170
5	8120	19700	13790	13870
6	7390	21910	15760	15020
7	19200	37910	20680	25930
8	11820	13290	10830	11980
9	11820	10340	22900	15020
10	27080	18710	23140	22980
11	14280	13290	15760	14440
12	10830	13790	41360	21990
13	14280	32500	25110	23960
14	22650	18710	23640	21670
15	20680	38900	68940	42840
16	38900	49240	20930	36360
17	14770	53180	10090	26010
18	10340	27570	10830	16250
19	13290	12310	12800	12800
20	24130	41850	14770	26920
21	21670	27570	28560	25930
22	12310	15260	16740	14770
23	29050	44320	14770	29380
24	17730	12800	15260	15260
25	16740	12310	(51210)	(26750)
26	19700	13790	29540	21010
27	17480	20930	41360	26590
28	18220	21670	38900	26260
29	20190	39390	67460	42350
30	15760	22650	26590	21670
31	18710	54160	24620	32500
M	18250	25480	25700	23140

Date	I	II	III	M
1	14280	20680	(70410)	(35120)
2	19200	22160	9360	16910
3	15510	14530	14770	14940
4	22620	34470	26590	28560
5	21670	23640	15260	20190
6	9360	30040	23140	20550
7	27080	59580	26590	37750
8	17730	16740	18710	17730
9	19700	11820	24130	18550
10	18220	97500	29540	48420
11	37910	42840	34960	38570
12	19200	22650	13050	18300
13	18220	11820	10340	13460
14	22160	14770	7630	14850
15	13790	18710	19450	17320
16	46780	47760	45790	46780
17	12800	16250	21170	16740
18	65980	35950	25600	42510
19	10340	16250	9360	11980
20	14280	23140	32990	23470
21	37910	30530	11820	26750
22	16740	14280	10830	13950
23	10340	11570	30530	17480
24	20190	57120	27570	34960
25	32990	25600	42350	33650
26	11820	15760	19700	15760
27	13290	21670	16500	17150
28	10830	19200	9600	13210
29	10340	19700	19940	16660
30	12800	15260	11820	13290
M	20870	27070	22650	23530

NOMBRE DE NOYAUX DE CONDENSATION
PAR 1 CM³ D'AIR

NUMBER OF CONDENSATION NUCLEI
PER 1 CM³ OF AIR

Mai - May

1978

Juin - June

Date	I	II	III	M
1	10340	18220	9850	12800
2	41360	24620	9850	25280
3	15260	17730	24130	19040
4	18220	35950	19700	24620
5	75340	(246200)	28560	116700
6	15760	37910	14280	22650
7	12060	13540	11330	12310
8	11080	16500	7140	11570
9	8370	10590	12060	10340
10	29540	29540	20680	26590
11	9360	18710	21670	16580
12	10340	12800	22400	15180
13	9360	26590	21170	19040
14	9850	27570	13290	16900
15	17730	14280	14770	15590
16	29540	35950	13290	26260
17	13290	34960	14770	21010
18	22160	11820	13540	15840
19	37420	15260	20190	24290
20	15510	10830	17730	14690
21	14280	17230	28560	20020
22	17230	43330	16000	25520
23	17230	18710	17730	17890
24	9850	12800	10340	11000
25	31270	13290	16740	20430
26	12310	23140	30530	21990
27	13790	14280	36930	21670
28	13290	27080	22160	20840
29	38410	23640	12310	24790
30	14770	52190	36680	34550
31	16250	32990	18710	22650
M	19700	30270	18620	22860

Date	I	II	III	M
1	24130	26590	10830	20520
2	33980	79770	32010	48590
3	23640	35450	38410	32500
4	18710	41360	21670	27250
5	17730	30530	23640	23970
6	33480	33480	27570	31510
7	17230	30530	26590	24780
8	31020	32500	22650	28720
9	33480	32990	26590	31020
10	30040	48260	25110	34470
11	62040	33980	24130	40050
12	25110	20190	19200	21500
13	21170	44810	30040	32010
14	20190	14770	31020	21990
15	28810	50720	16250	31930
16	10340	19200	15260	14930
17	23640	35450	10340	23140
18	13050	7880	16990	12640
19	104390	49730	12800	55640
20	18220	50220	12310	26920
21	17730	13290	24130	18380
22	21170	14280	9850	15100
23	12310	17230	24130	17890
24	36440	30530	11570	26180
25	13050	17730	16000	15590
26	11330	15760	16740	14610
27	13290	12310	22160	15920
28	15260	21170	18710	18380
29	21670	25110	9360	18710
30	18710	13790	16250	16250
M	25710	29990	20410	25370

NOMBRE DE NOYAUX DE CONDENSATION
PAR 1 CM³ D'AIR

NUMBER OF CONDENSATION NUCLEI
PER 1 CM³ OF AIR

Juillet - July

1978

Août - August

Date	I	II	III	M
1	22160	20680	6690	16580
2	10830	11330	10340	10830
3	11330	14770	16740	14280
4	21670	21670	16740	20030
5	17730	18710	21670	19370
6	11820	20680	29540	20680
7	11330	22650	42840	25610
8	10340	45790	20190	25440
9	17730	23140	16250	19040
10	15260	43330	16250	24950
11	21670	21170	26590	23140
12	10830	40870	15760	22490
13	14770	42840	19700	25770
14	16740	12800	29540	19690
15	27080	31020	19700	25930
16	15260	16740	12310	14770
17	11330	66470	31510	36440
18	47270	23640	(141810)	(70910)
19	(134920)	30040	70910	(78620)
20	14280	34470	38410	29050
21	50220	147720	39880	79270
22	32010	13290	24620	23310
23	15260	16000	13290	14850
24	8620	28560	18710	18630
25	15260	10340	7880	11160
26	10830	16740	10830	12800
27	10340	7390	18220	11980
28	16740	17230	16500	16820
29	17730	9850	14030	13870
30	8860	5420	9360	7880
31	17230	10090	7880	11730
M	21530	27270	25320	24710

Date	I	II	III	M
1	14280	9850	18460	14200
2	19700	9850	11330	13630
3	8860	13540	5910	9440
4	11330	9850	5910	9030
5	9360	5910	8860	8040
6	7390	13290	14530	11740
7	14030	24620	12060	16900
8	21170	44320	22650	29380
9	8370	8370	7390	8040
10	9360	27080	25110	20520
11	24130	21170	17230	20840
12	5420	22650	12310	13460
13	7390	8370	45790	20520
14	7630	23640	15760	15680
15	21670	25600	22160	23140
16	9850	12060	7880	9930
17	12310	25110	14280	17230
18	18220	10830	8370	12470
19	13790	10340	12310	12150
20	8860	6400	5420	6890
21	5660	11330	10340	9110
22	25110	21170	16740	21010
23	13790	13290	13290	13460
24	15260	53430	17230	28640
25	11820	21170	10830	14610
26	7390	23640	3940	11660
27	5420	9850	5910	7060
28	5910	11330	9360	8870
29	15260	11820	10340	12470
30	10340	21670	35950	22650
31	5420	7880	11330	8210
M	12080	17400	14160	14550

NOMBRE DE NOYAUX DE CONDENSATION
PAR 1 CM³ D'AIR

NUMBER OF CONDENSATION NUCLEI
PER 1 CM³ OF AIR

Septembre - September

1978

Octobre - October

Date	I	II	III	M
1	7390	7880	11330	8870
2	6400	10830	9360	8860
3	5420	9360	10340	8370
4	10340	13290	12800	12140
5	10830	18220	17730	15590
6	21170	15760	12800	16580
7	11820	17730	15760	15100
8	16250	10340	12800	13130
9	11820	13790	22160	15920
10	4430	5660	5910	5330
11	5660	13790	9360	9600
12	14280	29050	8860	17400
13	11820	16250	11820	13300
14	9360	22160	19700	17070
15	11330	11330	10830	11160
16	13790	17230	17230	16080
17	12800	19450	6400	12880
18	37420	48260	17230	34300
19	12310	18220	19200	16580
20	10830	20430	15260	15510
21	10830	35450	10590	18960
22	20680	24130	12560	19120
23	12310	10830	16740	13290
24	12800	24620	14770	17400
25	9360	13790	14770	12640
26	9850	25600	26100	20520
27	19700	23640	25110	22820
28	23140	10830	14770	16250
29	18220	14770	20680	17890
30	16740	11330	13050	13710
M.	13300	17800	14530	15210

Date	I	II	III	M
1	6650	9110	9110	8290
2	10340	7630	46290	21420
3	11820	14770	8860	11820
4	11330	9360	8370	9690
5	7390	22160	6650	12070
6	9850	10830	9360	10010
7	7390	11820	9850	9690
8	13050	6650	10830	10180
9	21420	14280	31270	22320
10	14280	17730	20680	17560
11	9360	11330	12310	11000
12	7880	22160	21670	17240
13	22160	26100	30040	26100
14	18220	11820	19700	16580
15	21420	8860	10090	13460
16	32010	12310	15260	19860
17	17730	17230	15260	16740
18	11820	10340	9360	10510
19	12310	17480	13290	14360
20	20190	10830	8370	13130
21	9850	10830	19200	13290
22	6890	9600	5660	7380
23	13540	19200	12310	15020
24	11330	17730	10340	13130
25	8370	9360	11330	9690
26	11820	74350	18460	34880
27	16740	19200	23140	19690
28	12310	13790	9850	11980
29	4920	10340	7880	7710
30	7880	7880	10830	8860
31	7880	17730	11330	12310
M	12840	15570	14740	14380

NOMBRE DE NOYAUX DE CONDENSATION
PAR 1 CM³ D'AIR

NUMBER OF CONDENSATION NUCLEI
PER 1 CM³ OF AIR

Novembre - November

1978

Décembre - December

Date	I	II	III	M
1	8120	7140	24620	13290
2	10340	14770	30530	18550
3	23640	23640	27570	24950
4	11330	9360	10340	10340
5	4430	6650	14280	8450
6	9110	11330	9850	10100
7	12310	10830	59090	27410
8	9850	12800	7880	10180
9	10830	10340	23140	14770
10	12310	10830	21910	15020
11	10830	9850	8860	9850
12	7880	12310	6890	9030
13	4680	9110	51700	21830
14	9850	10340	14280	11490
15	12800	16740	7390	12310
16	15260	21170	14030	16820
17	13790	18710	10340	14280
18	11820	16250	9850	12640
19	9360	13790	9850	11000
20	15760	28070	9850	17890
21	8860	14770	14280	12640
22	12800	13290	8620	11570
23	10340	14280	7880	10830
24	10340	21670	10340	14120
25	8860	9360	18960	12390
26	5420	16740	13290	11820
27	10340	32990	12800	18710
28	10830	15260	25850	17310
29	6400	12560	9360	9440
30	12800	16250	20680	16580
M	10710	14710	17140	14190

Date	I	II	III	M
1	7880	15510	7140	10180
2	7880	11820	10340	10010
3	8860	15760	27080	17230
4	16000	14280	15760	15350
5	13290	13790	9110	12060
6	22160	11330	27570	20350
7	51210	30040	30780	37340
8	32010	33480	19200	28230
9	14770	13290	30530	19530
10	7880	6890	8860	7880
11	14030	12560	14030	13540
12	12310	11820	17730	13950
13	10340	22160	10340	14280
14	10830	16250	11820	12970
15	8860	14770	11330	11650
16	12310	16250	19700	16050
17	8370	11820	12310	10830
18	33980	15760	11820	20520
19	10590	13050	14280	12640
20	15760	16740	9850	14120
21	15260	9850	23140	16080
22	21670	17480	13290	17480
23	12800	39880	30280	27650
24	5660	22650	11820	13380
25	7880	18220	11330	12480
26	8370	10340	9360	9360
27	8120	10340	10050	9520
28	9850	44810	10830	21830
29	7880	35950	13540	19120
30	7390	12060	6890	8780
31	9110	19700	19700	16170
M	13980	18020	15480	15830

Janvier - January

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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]								
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	Max.	Min.		Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	97.9	103.2	106.5	102.5	-0.3	0.0	0.7	-3.9	-0.9	1.4	-3.9	5.3	-10.9	4.6	4.4	4.1	4.4	91	76	69	89	81	WNW	2	WNW	1	SSW	1	1.3
2	102.6	102.7	102.2	102.5	-0.4	2.5	3.9	3.6	2.4	4.2	-3.9	8.1	-11.1	6.7	7.0	6.6	6.8	93	91	87	83	88	WSW	2	SW	2	SW	2	2.0
3	98.5	98.2	89.9	95.5	3.3	2.3	3.6	2.7	3.0	3.7	2.4	1.3	0.8	7.1	5.7	5.5	6.1	80	98	72	74	81	W	1	WSW	3	S	2	2.0
4	82.3	86.4	88.1	85.6	2.3	-0.2	0.8	-0.1	0.7	3.4	-1.0	4.4	-1.4	5.8	4.5	5.2	5.2	98	96	69	86	87	W	6	WSW	4	WSW	3	4.3
5	106.3	111.8	116.1	111.4	-2.1	-3.9	-2.8	-4.3	-3.3	-0.1	-4.7	4.6	-6.7	3.8	3.8	3.5	3.7	75	82	77	79	78	WNW	1	WNW	1	W	1	1.0
6	112.3	109.0	110.7	110.7	-3.3	-2.9	-2.2	0.3	-2.0	0.3	-4.7	5.0	-7.0	2.4	5.0	5.9	4.4	85	49	96	94	81	WSW	2	WSW	2	W	2	2.0
7	119.0	121.1	121.3	120.5	0.7	0.3	0.9	0.3	0.6	1.2	0.3	0.9	0.0	6.2	6.4	6.1	6.2	96	100	98	98	98	C	0	SSE	1	SSE	1	0.7
8	119.7	118.8	118.0	118.8	0.4	0.1	0.5	-0.2	0.2	0.7	-0.2	0.9	-0.4	6.0	5.8	5.5	5.8	98	98	92	92	95	S	2	S	1	S	1	1.3
9	115.0	113.2	110.8	113.0	-0.8	-3.3	-1.7	-2.7	-2.1	-0.2	-5.3	5.1	-7.2	4.4	4.3	4.3	4.3	92	93	80	86	88	SSE	2	SSE	2	SSE	1	1.7
10	105.2	103.1	102.7	103.7	-1.8	-1.9	-1.5	0.5	-1.2	0.5	-2.7	3.2	-2.8	4.2	5.0	5.7	5.0	81	79	92	90	86	S	2	S	2	SSW	2	2.0
11	102.5	97.9	95.4	98.6	-0.7	-3.1	-0.7	-2.7	-1.8	1.0	-3.7	4.7	-12.3	4.5	4.1	3.5	4.0	87	93	71	69	80	SSE	1	SSE	3	SSE	2	2.0
12	94.0	98.0	103.4	98.5	-1.3	-0.8	2.3	0.5	0.2	2.5	-2.7	5.2	-6.6	3.8	4.5	5.2	4.5	56	67	63	82	67	SSE	2	SSE	1	S	2	1.7
13	109.3	110.8	111.7	110.6	-0.6	-0.1	0.7	0.2	0.0	0.7	-1.7	2.4	-8.5	5.4	5.8	5.8	5.7	90	90	90	94	91	C	0	WSW	1	W	1	0.7
14	106.5	108.6	111.6	108.9	0.3	0.9	1.7	0.7	0.9	2.0	0.2	1.8	-2.9	5.3	6.3	5.8	5.8	99	81	90	90	90	W	2	W	2	W	2	2.0
15	117.3	117.6	117.4	117.4	-2.3	-2.6	-0.9	-0.7	-1.6	0.7	-3.7	4.4	-11.1	4.9	5.5	5.0	5.1	97	98	96	85	94	C	0	SW	1	SE	1	0.7
16	113.5	110.6	109.7	111.3	-3.7	-3.7	0.7	-2.9	-2.4	1.0	-4.6	5.6	-9.7	3.6	3.8	3.8	3.7	81	78	60	77	74	SSE	2	SE	3	SE	2	2.3
17	107.5	106.6	105.8	106.6	-4.9	-4.8	1.4	-2.9	-2.8	1.5	-5.4	6.9	-9.9	3.3	4.0	3.4	3.6	87	78	59	70	74	SSE	2	SSE	2	ESE	2	2.0
18	103.3	103.3	104.9	103.8	-5.1	-6.2	-3.3	-5.7	-5.1	-2.9	-6.1	3.2	-9.6	2.4	2.8	3.0	2.7	68	63	59	74	66	ESE	3	ESE	3	ESE	3	3.0
19	106.7	107.3	106.2	106.7	-4.5	-3.9	-4.6	-7.0	-5.0	-3.3	-7.2	3.9	-11.5	3.6	3.7	3.0	3.4	76	78	86	82	80	SE	2	ESE	2	ESE	2	2.0
20	107.4	107.9	109.9	108.4	-9.5	-12.5	-8.2	-10.4	-10.2	-6.5	-12.7	6.2	-14.6	2.1	2.3	2.3	2.2	82	89	69	84	81	ESE	2	ESE	2	E	1	1.7
21	111.6	111.0	110.0	110.9	-11.6	-12.7	-5.0	-6.8	-9.0	-4.0	-12.9	8.9	-16.5	1.9	2.5	2.5	2.3	87	85	59	69	75	E	1	E	2	ESE	2	1.7
22	106.2	105.2	103.9	105.1	-7.8	-11.2	-5.6	-9.1	-8.4	-4.6	-11.4	6.8	-16.5	2.3	2.5	2.6	2.5	72	90	62	85	77	C	0	SSE	1	ESE	1	0.7
23	102.9	103.4	103.1	103.1	-10.1	-9.0	-0.3	-5.6	-6.2	0.4	-10.1	10.5	-12.6	2.9	4.4	3.8	3.7	94	95	74	95	90	SSE	1	C	0	C	0	0.3
24	96.5	90.5	86.8	91.3	-2.3	-1.1	2.1	1.1	0.0	2.2	-5.7	7.9	-12.6	4.6	4.3	5.4	4.8	95	81	60	81	79	SSE	2	SSE	3	SSE	3	2.7
25	83.9	84.9	87.1	85.3	0.5	1.1	1.2	2.0	1.2	2.2	0.3	1.9	-0.6	6.4	6.5	6.8	6.6	97	96	98	96	97	SSE	1	SSW	1	SSW	1	1.0
26	87.5	91.1	93.2	90.6	0.0	0.7	0.4	1.5	0.6	2.3	-0.1	2.4	-2.4	6.0	5.9	6.0	6.0	92	94	94	89	92	SSW	1	WSW	3	SSW	2	2.0
27	95.3	98.6	100.0	98.0	0.5	-0.2	1.3	0.7	0.6	1.6	-0.8	2.4	-3.4	5.1	4.5	5.8	5.1	88	84	67	90	82	WSW	2	WSW	2	WSW	2	2.0
28	101.0	99.0	96.6	98.9	-0.1	-0.7	2.9	0.0	0.5	3.4	-1.2	4.6	-6.3	5.6	5.2	4.6	5.1	88	97	69	76	82	SSW	1	SSE	2	ESE	2	1.7
29	91.6	89.0	88.1	89.6	0.0	2.8	5.0	0.8	2.2	5.2	-0.5	5.7	-4.8	4.0	3.8	4.0	3.9	82	54	43	62	60	SSE	4	SE	3	ESE	3	3.3
30	86.9	89.0	91.1	89.0	1.2	2.5	2.3	1.3	1.8	3.2	0.3	2.9	-2.3	6.8	6.9	6.6	6.8	81	93	96	98	92	SE	2	SE	1	E	2	1.7
31	91.1	93.5	98.1	94.2	0.3	-0.7	0.0	-1.1	-0.4	1.3	-0.7	2.0	-0.9	5.7	6.0	5.5	5.7	98	98	98	97	98	N	1	C	0	C	0	0.3
M	102.6	102.9	103.2	102.9	-2.1	-2.3	-0.1	-1.6	-1.5	0.8	-3.7	4.5	-7.2	4.6	4.7	4.7	4.7	87	85	77	84	83		1.7		1.8		1.7	1.7

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

Janvier - January

1978
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	3	7.7	Sc	Sc	Cl, Cs	0.5	7	* 0-1 ⁵⁷ -3 ³⁶ , * 4 ⁴³ -5 ³⁷ , * 7 ²² -7 ⁴⁵ , * 8 ³⁵ -10 ⁰⁶ , * 22 ⁴⁷ -23 ⁰³ , * 23 ¹⁴ ...24 ⁰⁰
2	10	10	10	10.0	St	Sc	Sc	1.0	3	* 0 ⁰⁰ ...3 ¹⁸ , * 7 ⁰⁰ -7 ⁴² , * 9 ⁵⁷ -10 ⁰⁶ , * 12 ⁴⁵ -13 ¹⁵ , * 14 ⁵² -16 ²⁵ , * 20 ²⁹ ...24 ⁰⁰
3	10	5	10	9.7	Ns	Sc, Ac	Sc	3.7	.	* 0 ⁰⁰ -6 ⁴² , * 1 ²¹ -10 ²³
4	10	7	10	9.0	Ns	Cu, Ci	Sc	2.2	.	* 0-1 ¹⁴ ...4 ¹⁶ , * 0-1 ^{na} -8 ²⁵ , * 13 ²⁰ -15 ⁵⁰ , * 17 ³² -24 ⁰⁰
5	10	9	2	7.0	Ns	Sc	Ac	0.1	3	* 0 ⁰⁰ ...4 ⁴⁶ , * 5 ⁵⁵ ...8 ³¹ , * 9 ²⁵ ...10 ¹² , * 11 ⁰¹ -11 ⁴³
6	10	10	10	10.0	Ns	Ns	Ns	5.4	3	* 0-1 ⁶ -12 ²⁰ , * 20 ³⁵ -23 ⁵⁸
7	10	10	10	10.0	St	St	St	0.1	7	= n-10 ¹⁵ ; * 20 ⁴⁸ ...24 ⁰⁰
8	10	10	10	10.0	St	St	St	0.0	6	* 0 ⁰⁰ ...8 ⁵⁶ , * 11 ³⁴ -12 ⁴⁶ , * 14 ⁵⁹ ...15 ⁴⁰
9	4	10	10	8.0	Cl	Cs, Ci	Cs, Ci	.	5	* 11 ²⁵ -12 ²⁰
10	10	10	10	10.0	St	Ns	St	1.1	5	* 10 ³⁸ -16 ⁵⁵
11	4	4	8	5.3	Cl, Cs	Cs, Ci	Cl, Cs	.	5	
12	10	10	9	9.7	St	As	As	0.0	5	
13	10	10	10	10.0	Sc	St	St	0.1	5	* 3 ⁵³ -5 ⁴⁸ ; = n-15
14	10	10	9	9.7	Ns	Sc	Sc	0.0	5	* 0 ⁿ , * 7 ³⁰ -9 ⁵⁴ ; * 9 ⁵⁴ -10 ⁵⁷ ; = 9 ⁴² -10 ²⁰ ; = 20 ^{np}
15	10	10	10	10.0	St	St	Sc	.	5	= na-17 ³⁰ ; = na-10
16	0	0	0	0.0	.	.	.	.	5	
17	7	2	2	3.7	Ac, Cu	Cl, Cs	Cl	.	5	
18	1	0	0	0.3	Cl	.	.	.	5	
19	10	10	0	6.7	Sc	St	.	.	5	
20	0	0	0	0.0	.	.	.	0.0	5	* 6 ⁵⁰ ...8 ⁵⁸
21	0	2	9	3.7	.	Cl, Cs	Ac, As	.	5	
22	0	0	2	0.7	.	.	Cl, Cs	.	5	
23	2	0	8	3.3	Cl, Cs	.	Cl, Cs	.	5	= 17-np
24	10	4	10	8.0	St	Cl, Cs	Ns	1.3	5	* 18 ⁰⁸ ...23 ²⁷
25	10	10	10	10.0	St	Ns	St	3.6	6	* 3 ⁵¹ ...12 ¹² , * 5 ¹² -8 ¹⁰ ; = n-np; * 8 ¹⁰ -10 ⁰⁶ , * 12 ¹⁶ -16 ²⁰ ; * 10 ⁰⁶ -12 ¹⁶
26	10	10	10	10.0	Ns	Ns	Sc	1.4	4	* 0 ⁿ , * 6 ³⁰ -6 ⁵⁸ , * 7 ¹⁰ ...16 ⁴⁰ ; * 5 ¹⁰ -6 ³⁰
27	10	2	10	7.3	Sc	Cu	St	0.6	6	* 0 ⁿ -6 ²⁵ , * 13 ³³ -13 ⁴¹ ; * 15 ⁰⁴ -17 ³⁵
28	10	0	4	4.7	Sc	.	Cl, Cs	.	6	* 0 ⁿ
29	10	10	9	9.7	Sc	As	Cs	0.1	6	* 11 ⁰¹ -11 ⁰⁵
30	10	10	10	10.0	Ns	St	St	19.3	4	* 0-1 ^{na} -10 ⁴⁵ ; = 9 ²² -13 ⁰⁰ ; = 15 ¹⁵ -np; = 13 ⁰⁰ -15 ¹⁵ ; * 12 ⁰⁵ -15 ²⁵ , * 17 ³¹ -19 ⁵⁷ ; * 0-1 ¹⁹ -57-24 ⁰⁰
31	10	10	10	10.0	Ns	Ns	Ns	5.4	19	* 0-1 ⁰⁰ -24 ⁰⁰
M	7.7	6.7	7.3	7.2				45.9*		* Le total mens - Monthly mean

Février - February

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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]							
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	Max.	Min.	Ampl.		Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	103.7	104.2	105.0	104.3	-0.8	0.1	1.1	0.4	0.2	1.5	-1.0	2.5	-1.7	5.9	6.4	5.9	6.1	96	96	96	94	96	C	0	C	0	E	2	0.7
2	101.2	100.0	101.6	100.9	-0.8	-0.9	-0.9	-1.7	-1.1	0.4	-1.7	2.1	-2.3	5.0	4.6	4.6	4.7	91	87	81	86	86	ESE	2	ESE	3	ESE	3	2.7
3	105.3	107.5	111.2	108.0	-3.4	-4.9	-4.4	-5.3	-4.5	-1.7	-5.3	3.6	-6.2	3.4	3.6	3.3	3.4	83	81	81	80	81	E	1	ESE	2	ESE	2	1.7
4	116.9	117.7	118.1	117.6	-6.3	-7.0	-6.6	-7.9	-7.0	-5.3	-7.9	2.6	-8.0	3.0	2.7	2.4	2.7	89	82	72	73	79	ENE	2	ENE	2	ENE	1	1.7
5	115.6	114.2	112.1	114.0	-8.5	-8.0	-5.1	-7.2	-7.2	-4.9	-8.5	3.6	-10.2	2.7	2.8	2.9	2.8	76	81	68	82	77	C	0	ESE	1	C	0	0.3
6	108.6	108.1	107.6	108.1	-7.4	-7.6	-2.9	-3.5	-5.4	-2.4	-8.4	6.0	-14.3	3.1	3.6	4.0	3.6	90	90	73	85	84	ENE	1	ENE	1	NE	1	1.0
7	106.4	105.4	105.1	105.6	-5.2	-6.0	-3.7	-4.7	-4.9	-3.2	-6.6	3.4	-8.2	3.4	3.5	3.6	3.5	91	87	76	83	84	N	2	N	2	N	1	1.7
8	102.2	101.6	101.4	101.7	-5.9	-6.6	-5.3	-6.2	-6.0	-4.4	-6.6	2.2	-7.0	3.5	3.4	3.4	3.4	92	94	82	89	90	N	1	N	1	N	1	1.0
9	102.2	103.1	104.3	103.2	-7.2	-8.2	-5.4	-10.4	-7.8	-5.1	-10.4	5.3	-16.1	3.0	2.8	2.3	2.7	92	92	67	84	84	C	0	C	0	C	0	0.0
10	106.0	105.3	103.4	104.9	-13.8	-13.9	-6.5	-11.6	-11.4	-6.2	-14.2	8.0	-20.8	1.6	2.6	2.1	2.1	84	79	70	82	79	C	0	ENE	1	ENE	1	0.7
11	97.7	95.0	92.2	95.0	-8.3	-6.4	-1.4	-3.2	-4.8	-0.8	-12.4	11.6	-19.2	3.2	3.6	3.6	3.5	82	83	66	74	76	E	2	E	3	ESE	4	3.0
12	89.9	90.0	88.9	89.6	-3.4	-1.5	2.9	0.7	-0.3	3.4	-3.8	7.2	-6.6	5.0	6.3	6.2	5.8	89	91	84	96	90	ESE	2	SSE	2	C	0	1.3
13	93.3	94.2	95.8	94.4	-1.9	-2.5	0.5	-2.6	-1.6	0.7	-2.6	3.3	-10.7	4.8	5.1	4.8	4.9	97	95	80	95	92	SSW	1	SSW	1	C	0	0.7
14	97.5	96.4	95.5	96.5	-8.7	-6.8	-0.9	-2.3	-4.7	-0.4	-9.2	8.8	-13.4	3.6	4.6	4.6	4.3	96	99	81	89	91	C	0	C	0	N	1	0.3
15	94.6	93.8	94.3	94.2	-2.3	-2.8	-1.7	-1.9	-2.2	-1.0	-2.8	1.8	-4.0	4.6	4.7	4.6	4.6	95	93	88	87	91	NNW	1	NW	2	WNW	2	1.7
16	95.6	95.1	94.2	95.0	-3.1	-4.8	-3.2	-6.2	-4.3	-1.9	-6.2	4.3	-7.0	3.8	3.9	3.4	3.7	88	88	81	89	86	NNW	1	C	0	C	0	0.3
17	98.8	96.2	98.1	98.4	-10.2	-13.3	-5.7	-9.4	-9.6	-4.4	-14.2	9.8	-22.2	1.9	3.5	2.6	2.7	89	88	87	88	88	C	0	S	2	S	1	1.0
18	101.8	102.2	103.9	102.6	-9.6	-8.8	-5.2	-8.1	-7.9	-5.0	-10.8	5.8	-20.9	2.9	3.6	2.9	3.1	91	92	88	87	90	C	0	C	0	NNE	1	0.3
19	106.4	108.0	109.0	107.8	-17.1	-17.2	-5.0	-13.4	-13.2	-4.4	-18.1	13.7	-28.7	1.4	3.3	1.7	2.1	84	90	78	80	83	SSE	1	W	1	C	0	0.7
20	110.9	111.6	111.1	111.2	-16.4	-18.1	-9.3	-15.1	-14.7	-7.2	-18.2	11.0	-27.7	1.2	2.8	1.6	1.9	86	84	91	86	87	C	0	C	0	C	0	0.0
21	107.0	108.1	108.6	107.9	-6.6	-4.9	-1.0	-1.5	-3.5	-0.6	-15.3	14.7	-25.2	3.0	3.7	4.3	3.7	69	71	65	78	71	WSW	3	WSW	2	WSW	1	2.0
22	105.4	101.7	99.1	102.1	-6.2	-11.7	-1.3	-1.5	-5.2	-0.4	-11.7	11.3	-17.7	1.8	2.4	5.3	3.2	64	71	42	96	68	SSE	2	SSW	2	SSW	1	1.7
23	103.8	108.5	112.8	108.4	1.3	-0.7	-2.3	-4.2	-1.5	2.0	-4.2	6.2	-9.0	5.6	3.9	2.9	4.1	99	97	76	65	84	N	1	ENE	1	ENE	1	1.0
24	106.9	104.9	102.6	104.8	-7.1	-5.8	-2.3	-1.5	-4.2	-0.5	-7.5	7.0	-8.3	2.8	3.7	4.4	3.6	57	71	72	80	70	SE	2	SSE	3	ESE	3	2.7
25	97.1	94.7	93.3	95.0	-0.9	0.2	6.0	3.1	2.1	6.5	-1.5	8.0	-2.2	5.3	6.0	6.0	5.8	81	86	64	79	78	SE	1	SSE	1	C	0	0.7
26	90.7	89.7	89.6	90.0	2.1	2.1	10.2	3.9	4.6	10.6	1.7	8.9	-2.9	5.9	5.6	6.3	5.9	85	84	45	78	73	ESE	1	SSE	3	SSE	3	2.3
27	90.3	91.6	93.1	91.7	2.5	1.0	7.2	2.4	3.3	7.5	1.0	6.5	-0.3	6.4	6.7	6.5	6.5	87	98	66	89	85	ESE	1	ENE	1	ESE	1	1.0
28	95.3	96.6	98.3	96.7	1.8	1.5	4.4	2.7	2.6	4.7	1.1	3.6	-1.8	6.5	6.9	6.5	6.6	95	96	82	88	90	SE	2	S	1	SSE	1	1.3
M	101.8	101.7	101.8	101.8	-5.5	-5.8	-1.7	-4.2	-4.3	-0.8	-7.3	6.5	-11.5	3.7	4.2	4.0	4.0	86	87	75	84	83		1.1		1.4		1.1	1.2

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978

TMGr - GMT

Février - February

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	St	St	0.4	25	* ⁰ _{n-6} ⁰⁵ , * ⁰ ₆ ⁴⁵ - ⁰ ₈ ⁴⁵ , * ⁰ ₁₀ ¹⁵ - ⁰ ₁₀ ⁵² , * ⁰ ₁₉ ⁵⁶ - ⁰ ₂₄ ⁰⁰ , i=n-np
2	10	10	10	10.0	Ns	Ns	St	0.0	19	* ⁰ ₀ ⁰⁰ ... ⁰ ₄ ⁵⁷ , * ⁰ ₇ ²⁰ ... ⁰ ₇ ⁴⁷ , * ⁰ ₁₀ ⁴⁹ - ⁰ ₁₁ ²⁴ , * ⁰ _{np} ... ⁰ ₁₄ ⁵⁴ - ⁰ ₁₆ ⁵⁰
3	10	10	10	10.0	Ns	Ns	Sc	1.1	19	* ⁰ _n , * ⁰ ₅ ⁵⁰ - ⁰ ₁₄ ¹⁸ , * ⁰ ₁₅ ⁵³ - ⁰ ₁₆ ⁴⁰
4	10	10	10	10.0	St	St	Ns	0.0	20	* ⁰ _{na} , * ⁰ ₁₄ ¹⁵ ...np, * ⁰ ₆ ³⁸ - ⁰ ₁₁ ²⁵
5	10	10	10	10.0	St	As, Cu	Sc	0.1	19	* ⁰ _n
6	10	10	10	10.0	St	St	St	.	18	* ⁰ _{na}
7	10	10	10	10.0	St	Cs, Cu	St	3.0	18	Δ ⁰ ₆ ³² - ⁰ ₈ ¹² , Δ ⁰ ₁₄ ³⁵ - ⁰ ₁₆ ⁴⁰ , ⊕ ⁰ ₁₁ ⁴² - ⁰ ₁₂ ²⁵ , * ⁰ ₁ ¹⁸ ⁴⁰ - ⁰ ₂₄ ⁰⁰
8	10	10	10	10.0	Ns	Ns	Ns	5.3	19	* ⁰ ₁ ⁰⁰ - ⁰ ₂₄ ⁰⁰
9	10	10	9	9.7	Ns	Ns	Ac	0.4	23	* ⁰ ₁ ⁰⁰ - ⁰ ₇ ³⁰ , * ⁰ ₇ ³⁰ - ⁰ ₉ ⁰⁰ , * ⁰ ₉ ⁰³ ... ⁰ ₁₀ ⁴⁸ , * ⁰ ₁₁ ⁰⁵ - ⁰ ₁₅ ²³
10	10	1	3	4.7	As, Ac	Cu	Cl, Cs	0.0	23	* ⁰ _{na} , * ⁰ ₆ ¹⁰ - ⁰ ₈ ⁵⁰
11	10	2	4	5.3	Sc	Cl	Cs, Cl	0.2	22	
12	10	10	10	10.0	Sc	Sc	Ns	5.2	21	● ⁰ _{na} , ● ⁰ ₁₇ ⁰⁸ - ⁰ ₁₈ ¹⁷ , * ⁰ ₁₈ ¹⁷ - ⁰ ₂₃ ⁰⁴ , i=14-np
13	10	0	10	6.7	Ns	.	St	0.0	24	* ⁰ ₁ ^{na-5} ⁴⁰ , Δ ⁰ ₇ ⁴⁵ - ⁰ ₈ ⁴³
14	10	10	10	10.0	St	St	St	3.2	21	- ⁰ ₈ ⁰⁷ ... ⁰ ₁₂ ⁵² , * ⁰ ₁ ¹⁹ ⁰¹ - ⁰ ₂₄ ⁰⁰
15	10	10	10	10.0	Ns	Ns	Ns	2.3	22	* ⁰ ₀ ⁰⁰ - ⁰ ₂₄ ⁰⁰
16	10	10	9	9.7	Ns	Ns	As	0.7	27	* ⁰ ₀ ⁰⁰ - ⁰ ₁₀ ⁰⁰ , * ⁰ ₁₁ ⁰⁵ - ⁰ ₁₂ ¹² , * ⁰ ₂₁ ⁵⁸ ... ⁰ ₂₄ ⁰⁰
17	10	0	7	5.7	Ns	.	Cl	0.1	27	* ⁰ ₀ ⁰⁰ ... ⁰ ₅ ⁵⁷ , * ⁰ ₅ ²¹ ... ⁰ ₁₀ ¹⁵ , i=1 ⁰ _{n-7} ³⁵ , i=0 ⁰ ₇ ³⁵ - ⁰ ₉ ⁰⁵ , v ¹ _{n-11} ¹⁵ , v ⁰ ₁₁ ¹⁵ - ⁰ ₁₄
18	10	10	10	10.0	St	Ns	Sc	3.3	27	Δ ⁰ ₄ ⁰⁹ ... ⁰ ₇ ⁵² , * ⁰ ₁ ⁵² - ⁰ ₁₉ ⁴²
19	10	1	0	3.7	As	Cu	.	0.1	32	* ⁰ ₅ ²⁸ - ⁰ ₅ ⁴⁶ , * ⁰ ₆ ⁵⁵ - ⁰ ₇ ⁴⁶ , * ⁰ ₈ ²² - ⁰ ₈ ⁴⁰ , i=n-9, i=0 ⁰ ₁₇ -np, i=2 ⁰ ₂₂ ³⁰ - ⁰ ₂₄ ⁰⁰
20	10	0	4	4.7	St	.	Ac	0.5	31	≡ ⁰ ₀ ⁰⁰ - ⁰ ₆ ²⁰ , ≡ ⁰ ₆ ²⁰ - ⁰ ₇ ⁵⁰ , v ² _{n-11} ³⁰ , v ¹ ₁₁ ³⁰ - ⁰ ₁₄ , Δ ⁰ ₆ ⁴¹ - ⁰ ₇ ⁰⁷ , * ⁰ ₂₃ ⁵⁶ - ⁰ ₂₄ ⁰⁰
21	10	10	10	10.0	Sc	Sc	Sc	0.1	31	* ⁰ ₀ ⁰⁰ - ⁰ ₅ ³⁵ , * ⁰ ₇ ¹¹ - ⁰ ₇ ²⁰ , * ⁰ ₁ ⁸ ⁴⁹ - ⁰ ₁₀ ¹⁴
22	3	7	10	6.7	Cl	Cs, Cl, Ac	Ns	1.4	28	* ⁰ ₁₅ ²⁵ - ⁰ ₁₇ ²⁵ , * ⁰ ₁₇ ³⁴ - ⁰ ₁₇ ⁴⁵ , * ⁰ ₁ ¹⁸ ¹⁵ - ⁰ ₂₄ ⁰⁰
23	10	10	10	10.0	Ns	Ns	St	0.3	27	* ⁰ ₁ ⁰⁰ - ⁰ ₁₁ ¹⁵ , * ⁰ ₁₁ ⁴⁰ ... ⁰ ₁₂ ⁵⁷
24	10	3	10	7.7	St	Cu	Sc	1.3	27	Δ ⁰ ₁ ³³ - ⁰ ₈ ¹⁴ , * ⁰ ₂₀ ³¹ - ⁰ ₂₁ ³⁸
25	4	3	9	5.3	Cl, Cs,	Cl, Cs	Cl, Cs	.	26	● ⁰ ₁ ⁵⁷ ... ⁰ ₅ ³⁶
26	9	7	4	6.7	Ac	Cl, Cs, Cu	Cl, Cs	.	22	
27	10	0	6	5.3	St	.	Cu, Cl	0.0	17	
28	10	10	10	10.0	St	St	St	0.7	12	● ⁰ ₀ ⁴⁷ ... ⁰ ₁ ⁴⁶ , ● ⁰ ₅ ⁵⁷ - ⁰ ₆ ³⁴ , ● ⁰ ₉ ¹⁵ - ⁰ ₁₀ ²³
M	9.5	6.9	8.4	8.3				29.0*		*Le total mens - Monthly mean

Mars - March

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978

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]									
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M		Max.	Min.	Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	99.8	100.2	101.7	100.6	1.8	1.9	5.0	4.2	3.2	5.9	1.7	4.2	0.0	6.9	7.1	7.3	7.1	94	98	81	88	90	C	0	S	1	ESE	1	0.7
2	102.1	101.5	101.6	101.7	2.3	1.5	10.4	3.1	4.3	11.0	1.0	10.0	-2.2	6.5	8.5	6.8	7.3	92	96	67	90	86	C	0	S	2	C	0	0.7
3	101.3	101.3	101.3	101.3	1.2	0.5	3.7	1.3	1.7	4.0	-0.9	4.9	-5.3	6.1	7.6	6.6	6.8	96	96	95	98	96	ESE	2	SE	2	E	1	1.7
4	101.9	101.7	101.3	101.6	0.1	0.0	3.7	0.9	1.2	5.2	-1.1	6.3	-4.0	6.1	7.6	6.4	6.7	99	100	55	98	98	SE	1	SSE	1	E	1	1.0
5	100.2	100.1	100.5	100.3	0.1	0.5	3.1	2.9	1.6	3.4	0.1	3.3	-0.4	6.2	6.8	7.1	6.7	97	98	90	95	95	ESE	2	ESE	2	E	1	1.7
6	105.4	106.0	107.6	106.3	3.1	3.0	4.5	-0.3	2.6	5.0	-0.4	5.4	-2.9	7.0	5.5	4.6	5.7	96	93	65	78	83	W	2	WNW	5	WSW	1	2.7
7	105.3	104.2	105.7	105.1	-1.2	-0.9	4.5	1.8	1.0	5.6	-3.3	8.9	-6.2	4.7	5.2	5.2	5.0	87	83	62	74	76	WSW	3	W	3	WNW	2	2.7
8	105.2	103.8	102.4	103.8	0.9	0.3	3.5	1.3	1.5	4.6	0.2	4.4	-1.2	5.9	5.6	6.1	5.9	88	94	71	91	86	C	0	WSW	2	C	0	0.7
9	97.7	98.8	102.6	99.7	1.4	2.0	4.2	3.3	2.7	4.5	1.3	3.2	0.0	6.9	7.6	7.6	7.4	97	98	92	98	96	C	0	C	0	W	1	0.3
10	108.7	110.7	110.8	110.1	1.6	1.3	2.9	0.5	1.6	3.3	0.5	2.8	-2.0	6.6	6.5	6.0	6.4	98	98	86	94	94	NW	2	NNW	1	S	1	1.3
11	95.7	94.9	96.3	96.3	2.0	5.2	3.4	2.1	3.2	5.5	0.3	5.2	-2.4	7.9	7.0	5.6	6.8	96	89	90	78	88	WNW	3	WNW	3	NW	4	3.3
12	105.5	108.0	109.0	107.5	1.1	1.0	3.3	1.5	1.7	3.8	1.0	2.8	0.4	4.6	4.4	5.2	4.7	76	70	56	76	70	N	3	WSW	3	C	0	2.0
13	106.2	103.0	99.9	103.0	0.3	-1.3	7.4	5.4	3.0	8.2	-2.2	10.4	-6.0	4.6	5.2	5.9	5.2	87	83	50	66	72	SSE	1	SSE	2	S	1	1.3
14	101.1	100.2	98.4	99.9	4.2	2.5	9.4	7.6	5.9	10.0	1.8	8.2	0.9	7.0	7.2	7.6	7.3	100	96	61	73	82	SSW	2	WSW	3	SSE	2	2.3
15	93.9	93.1	91.5	92.8	4.3	3.9	10.8	6.8	6.4	12.1	1.8	10.3	-1.5	7.4	7.3	7.0	7.2	83	92	56	71	76	SSW	1	SW	2	SSW	1	1.3
16	90.9	89.2	87.4	89.2	3.2	3.6	11.3	8.1	6.6	12.0	1.7	10.3	-3.6	6.3	6.9	7.8	7.0	86	80	51	72	72	SSW	1	SSW	2	S	2	1.7
17	83.0	83.3	87.2	84.5	7.4	6.1	3.1	1.9	4.6	8.1	1.9	6.2	0.5	8.0	7.2	6.9	7.4	74	85	95	98	88	SW	1	WSW	1	SSW	2	1.3
18	94.9	99.3	102.5	98.9	6.4	-1.9	0.2	-2.2	-0.9	2.3	-2.7	5.0	-3.4	4.4	3.4	3.6	3.8	82	83	55	70	72	W	2	WSW	4	W	1	2.3
19	103.0	102.8	101.2	102.3	-6.5	-3.0	2.3	1.9	-1.3	4.0	-6.7	10.7	-9.8	4.8	6.3	6.4	5.8	91	97	87	91	92	C	0	S	2	S	1	1.0
20	93.4	87.6	82.3	87.8	0.5	-1.2	2.7	0.8	0.7	3.7	-1.7	5.4	-4.0	5.1	4.7	6.3	5.4	100	91	63	98	88	WSW	1	C	0	C	0	0.3
21	80.9	83.2	86.9	83.7	0.8	-1.9	6.7	-1.3	-0.4	1.5	-2.4	3.9	-2.5	4.9	5.1	5.2	5.1	98	92	80	55	91	W	3	WNW	3	W	3	3.0
22	95.4	99.9	103.5	99.6	-2.2	-3.5	-0.8	-1.7	-2.0	-0.3	-3.7	3.4	-5.2	4.1	4.1	4.5	4.2	91	88	71	84	84	W	2	W	3	W	1	2.0
23	102.9	99.1	96.7	99.6	-2.5	-4.2	5.1	2.6	0.2	6.1	-6.2	12.3	-9.4	4.4	3.7	4.0	4.0	81	98	42	55	69	C	0	SSE	2	SSE	2	1.3
24	96.6	97.2	99.7	97.8	2.2	1.6	7.8	3.7	3.8	8.4	1.0	7.4	-0.9	6.6	6.5	6.5	6.5	87	96	61	82	82	SSE	1	SSE	2	SE	2	1.7
25	105.2	105.0	104.0	104.7	-0.1	-0.3	8.3	1.9	2.4	9.0	-1.2	10.2	-3.6	5.8	4.4	5.3	5.2	97	98	41	76	78	C	0	NNE	1	C	0	0.3
26	94.7	93.4	96.4	94.8	-0.7	1.3	3.4	2.1	1.5	8.5	-1.2	9.7	-4.8	5.8	7.8	6.7	6.8	88	87	100	55	92	SSE	2	SSW	3	S	1	2.0
27	103.6	105.4	106.2	105.1	2.1	1.6	7.7	0.8	3.1	8.2	-1.2	9.4	-5.5	6.0	5.9	5.2	5.7	81	87	56	81	76	SSW	2	W	2	C	0	1.3
28	103.4	105.4	106.6	105.1	-1.3	0.6	5.6	3.1	2.0	8.2	-1.9	10.1	-5.3	5.4	8.0	7.1	6.8	97	85	88	93	91	SSE	1	SW	1	C	0	0.7
29	106.9	105.3	104.5	105.6	2.2	4.1	17.8	12.6	9.2	18.4	1.4	17.0	-2.9	8.0	9.6	9.1	8.9	100	98	47	62	77	SSE	1	S	3	SSE	1	1.7
30	104.2	102.2	100.8	102.4	6.7	6.0	18.9	14.3	11.5	19.2	4.5	14.7	0.9	8.3	8.4	9.5	8.7	89	89	38	58	68	SSE	1	SSE	2	ESE	2	1.7
31	101.5	100.7	100.9	101.0	9.8	8.2	20.9	14.9	13.4	21.5	6.2	15.3	3.0	7.6	8.7	8.7	8.3	64	70	35	51	55	SSE	3	SSE	4	ESE	3	3.3
M	99.7	99.6	100.0	99.8	1.5	1.2	6.3	3.4	3.1	7.4	-0.3	7.7	-2.9	6.1	6.4	6.4	6.3	90	91	69	82	83		1.4		2.2		1.2	1.6

Mars - March

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	St	St	0.0	10	=n-np; °12 ⁵² ...16 ¹⁵
2	8	0	0	2.7	Sc	.	.	.	8	=1 ^{na-7} , =7 ^{CC-7} 10
3	10	10	9	9.7	St	St	St	0.0	3	=n-9 ¹⁵ , =14 ¹⁰⁻¹⁵ 55, =°15 ⁵⁵ -16 ¹⁰ , 16 ¹⁰ -19 ⁵⁰ , °19 ⁵⁰ -np; °8 ⁰⁴ -10 ²⁰
4	10	7	10	9.0	=2 ^{na-10} 30	Cu	St	0.0	.	=2 ^{na-10} 30 10 ³⁰⁻¹² 10, =°15 ¹⁵ -15 ²⁵ , 15 ²⁵ -15 ⁵⁰ , 15 ⁵⁰ -np
5	10	10	10	10.0	St	St	Ns	1.2	.	=2-°na-8 ⁰⁰ , =8 ⁰⁰ -np; °0 ³² ...6 ⁵⁷ , °-15 ⁵⁷ ...21 ⁰⁴
6	10	9	1	6.7	St	Sc	Cl	.	.	°0 ²⁴ -0 ⁴⁹ , °2 ⁴⁸ -3 ¹² , °4 ⁵⁰ -5 ⁵⁵
7	0	2	7	3.0	.	Cu	Sc	0.0	.	°n-6 ⁵⁰ , °12 ³⁴ -15 ⁰⁵ , °15 ⁰⁵ -15 ¹⁸
8	7	10	10	9.0	As, Ac	Sc	Sc	0.4	.	* °n-7 ⁵⁰ , °22 ⁴⁸ -24 ⁰⁰
9	10	10	10	10.0	St	St	St	4.5	.	°-10 ⁰⁰ -20 ¹⁵ , =n-11 ³⁰ , =13-np; °-120 ¹⁵ -22 ⁴⁵ , °22 ⁴⁵ -24 ⁰⁰
10	10	10	7	9.0	Sc	St	Sc, Cu	3.0	.	* °-10 ⁰⁰ -13 ¹³ , °6 ⁰⁸ -8 ²⁵ , °8 ²⁵ -13 ⁴³ , °15 ³¹ -16 ¹⁴
11	10	10	10	10.0	Sc	Sc, Cb	Sc, Cb	0.7	.	°12 ⁰⁸ -17 ¹⁷ , °6 ³¹ -7 ¹³ , °11 ⁰² ...13 ⁰⁵ , °15 ¹⁸ -16 ⁵³ , °13 ⁰⁵ -14 ³⁰ , °17 ⁴⁵ ...19 ¹⁰
12	9	10	10	10.0	As	Sc	St	.	.	°na-6 ²⁰
13	0	8	10	6.0	.	Cl	As	1.0	.	°n, °6 ²⁴ -8 ¹²
14	10	9	10	9.7	As	Sc	Cs	0.0	.	°15 ²⁹ -16 ⁰⁸ , °16 ⁰⁰ -16 ²⁰
15	10	10	2	7.3	As, Ac	As, Ac	Cl, Cs	0.0	.	°7 ⁵⁵ -8 ¹⁷
16	7	8	2	5.7	Cl, Sc	Sc, Cl	Cu	0.0	.	°-16 ⁴¹ -14 ⁴⁸ , °21 ²⁵ -21 ⁵⁰ , °-16 ⁴⁷ -17 ⁵⁹ , °19 ¹⁰ -19 ²⁰ , °23 ¹⁵ -24 ⁰⁰
17	10	10	10	10.0	Sc	Ns	Cb	7.5	.	* °00 ⁰⁰ -0 ¹⁰ , °30 ⁰⁰ ...7 ³⁵ , °8 ¹⁵ -8 ³⁶ , °11 ⁰⁵ -11 ¹² , °13 ²⁷ ...17 ⁵⁰
18	8	3	8	6.3	Sc	Cu	Sc, Cb	2.1	.	* °-124 ¹⁴ , °8 ²⁵ -12 ³⁸ , °14 ²⁹ -14 ⁴⁴ , °18 ⁴⁷ -18 ⁵⁸ , °19 ⁵⁹ ...23 ³⁸ , °23 ⁴⁹ -24 ⁰⁰
19	4	10	10	8.0	As, Ac	Ns	Sc	2.0	2	* °00 ⁰⁰ ...1 ⁴⁵ , °6 ³² -8 ⁰⁵ , °11 ⁵⁵ -12 ¹⁰ , °14 ¹⁰ -17 ⁰⁰ , °17 ⁰⁰ -np; =16 ³⁰ -np
20	10	10	10	10.0	Sc	As	St	3.1	1	* °-1n-8 ⁰⁷ , °-116 ¹⁶ -18 ⁴⁸
21	10	10	10	10.0	Sc	Sc	Ns	0.1	1	* °5 ¹⁵ -8 ²⁸ , °9 ³³ ...17 ⁴²
22	10	5	10	9.7	Sc	Sc	Sc	0.1	.	°n-7 ¹⁰ , °20 ⁵⁴ -23 ¹³
23	0	3	10	4.3	.	Cl, Cs	Cs	0.0	.	=14-np; °20 ⁴⁰ -np
24	5	9	10	8.0	As, Ac	Cs, Cu	Sc	.	.	=n-7 ⁴⁰ , °19-np; °1na-8 ²⁵
25	5	2	8	5.0	Cl, Cs	Cu	Cs, Cl	.	.	°n; °-110 ⁰⁵ -14 ⁰³ , °16 ²⁴ -16 ³²
26	3	10	2	5.0	Cl, Cs, Ac	Ns	Cl	4.2	.	°1n-6 ⁰⁵ , °12 ³² -12 ³⁶
27	2	9	0	3.7	Cl	Sc	.	0.0	.	°n-7 ¹⁰ , °6 ⁵⁹ -7 ¹⁷ , °-1907-10 ¹⁴ , °11 ¹³ -11 ²⁹ , =16 ²⁵ -np
28	10	10	0	6.7	Cs	St	.	0.3	.	°n-6 ⁴⁰
29	0	2	1	1.0	.	Cu, Cl	Cl	.	.	
30	1	2	1	1.3	Cl	Cl	Cl, Cc	.	.	
31	1	0	0	0.3	Cl	.	.	.	.	
M	6.8	7.5	6.7	7.0				30.2*		* Le total mens - Monthly mean

Avril - April

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

TMGr - GMT

Date	Presston 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]									
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M		Max.	Min.	Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	101.5	99.4	98.0	99.6	7.9	7.1	18.2	13.1	11.6	18.9	4.6	14.3	-0.2	7.9	8.9	9.2	8.7	73	78	43	61	64	SE	2	SE	2	E	1	1.7
2	97.9	98.0	98.5	98.1	7.7	9.0	13.4	8.1	9.6	14.1	7.3	6.8	2.4	9.3	9.6	10.8	9.9	84	81	62	100	82	ENE	1	E	2	ENE	1	1.3
3	103.0	104.0	104.3	103.8	7.5	8.1	12.9	11.0	9.9	14.0	6.7	7.3	4.9	9.7	10.1	9.7	9.8	96	90	68	74	82	E	1	ESE	3	E	2	2.0
4	104.1	102.9	102.0	103.0	6.2	5.6	8.4	6.8	6.8	11.0	3.8	7.2	1.1	7.7	8.3	8.6	8.2	85	85	75	87	83	ENE	2	NNE	2	N	2	2.0
5	102.4	104.0	107.2	104.5	4.2	4.1	8.2	2.5	4.8	9.3	2.5	6.8	0.1	7.1	5.3	4.1	5.5	93	87	49	56	71	NNE	1	NE	2	N	3	2.0
6	113.7	114.3	113.4	113.8	-1.4	-1.5	3.9	-1.3	-0.1	4.1	-3.8	7.9	-6.7	3.7	3.0	3.2	3.3	70	68	37	58	58	N	2	NNE	2	NNW	1	1.7
7	106.5	102.8	101.4	103.6	-4.0	1.3	6.5	5.8	2.4	7.7	-4.6	12.3	-9.4	3.8	4.3	5.2	4.4	93	56	44	57	62	W	4	W	4	WNW	2	3.3
8	101.1	101.3	101.9	101.4	2.2	1.3	6.0	2.9	3.1	7.0	0.3	6.7	-4.2	5.7	4.7	5.2	5.2	97	85	50	69	75	NW	2	N	2	C	0	1.3
9	104.4	104.5	103.7	104.2	-4.2	-2.5	8.3	2.1	0.9	9.3	-6.2	15.5	-9.8	5.0	4.3	4.6	4.6	99	98	39	64	75	C	0	S	1	C	0	C.3
10	102.1	99.8	98.1	100.0	-2.3	2.6	13.2	8.2	5.4	14.8	-3.2	18.0	-8.9	5.0	6.0	5.8	5.6	94	68	39	53	64	SE	4	SSE	3	C	0	2.3
11	98.6	97.7	96.5	97.6	5.5	6.4	15.5	10.8	9.6	16.6	5.3	11.3	-0.4	7.0	7.6	9.4	8.0	70	73	43	73	65	SSE	1	SSE	3	SSE	2	2.0
12	99.7	101.2	103.6	101.5	7.9	6.8	6.4	0.7	5.4	10.8	0.5	10.3	0.5	8.6	8.5	6.3	7.8	89	87	88	98	90	WSW	2	W	1	WSW	1	1.3
13	104.5	99.5	93.4	99.1	-0.4	0.9	0.7	0.6	0.4	1.9	-0.6	2.5	-3.6	6.4	6.4	6.4	6.4	97	98	100	100	99	C	0	C	0	NNW	1	0.3
14	84.0	84.0	87.5	85.2	1.3	1.9	5.6	3.5	3.1	6.5	0.8	5.7	0.0	6.9	8.4	6.9	7.4	98	98	92	88	94	N	2	WSW	1	SSW	2	1.7
15	91.5	95.7	99.0	95.4	2.4	1.9	4.7	2.0	2.8	6.0	1.9	4.1	-1.9	6.5	6.8	6.3	6.5	86	93	79	89	87	SW	2	WSW	2	C	0	1.3
16	102.3	102.7	102.6	102.5	-2.3	0.4	8.1	5.2	2.8	8.5	-3.7	12.2	-7.3	6.0	4.7	6.9	5.9	99	96	44	78	79	ESE	1	NNW	1	C	0	0.7
17	100.8	101.8	104.3	102.3	3.4	3.0	1.5	2.1	2.5	5.2	1.3	3.9	0.8	6.1	6.7	6.8	6.5	93	81	98	96	92	NNW	1	NW	1	WNW	2	1.3
18	102.7	102.7	102.7	102.7	2.4	3.3	5.5	5.5	4.2	6.0	2.1	3.9	1.5	6.3	7.9	8.5	7.6	91	81	88	94	88	NW	2	NNW	2	N	3	2.3
19	102.3	102.7	101.7	102.2	4.3	4.3	9.8	9.1	6.9	13.3	4.2	9.1	4.0	8.2	9.6	11.2	9.7	97	98	79	97	93	N	2	N	2	C	0	1.3
20	103.6	105.0	105.7	104.8	6.9	7.9	11.6	9.0	8.8	13.5	6.3	7.2	3.5	9.0	5.1	9.5	9.2	97	85	67	83	83	E	1	ESE	3	C	0	1.3
21	106.9	106.6	106.3	106.6	4.7	6.5	16.2	10.6	10.0	17.5	2.8	14.7	-1.9	8.8	8.3	8.8	8.6	99	80	45	69	73	ESE	1	SSE	1	C	0	0.7
22	109.2	108.5	108.3	108.7	6.2	9.5	14.3	13.0	10.8	16.2	4.6	11.6	1.7	10.5	11.0	10.2	10.6	95	88	68	68	80	C	0	N	1	C	0	0.3
23	109.1	107.5	105.3	107.3	4.8	9.2	17.7	12.5	11.0	19.0	4.0	15.0	0.8	10.4	9.2	9.6	9.7	99	89	45	67	75	NNW	2	N	2	C	0	1.3
24	101.6	98.3	95.4	98.4	3.3	8.0	14.1	11.6	9.2	18.5	1.3	17.2	-1.4	9.4	9.5	10.0	9.6	100	87	59	74	80	S	1	NW	2	C	0	1.0
25	91.1	93.2	95.6	93.3	8.1	9.5	9.8	8.4	9.0	12.6	6.7	5.9	2.0	10.0	8.1	6.6	8.2	100	84	67	60	78	SSW	2	WSW	2	NNW	2	2.0
26	99.6	101.2	100.5	100.4	1.3	2.7	5.2	3.5	3.2	8.4	0.9	7.5	-2.9	5.5	5.3	5.6	5.5	94	74	60	71	75	NNW	1	NNW	1	NNE	1	1.0
27	100.5	99.4	98.5	99.5	2.2	3.7	6.9	7.6	5.6	10.5	1.5	9.0	-1.6	5.2	5.9	7.2	6.1	76	65	52	69	66	ENE	2	ENE	1	NE	2	1.7
28	98.4	99.9	100.9	99.7	3.7	5.0	13.0	9.2	7.7	14.0	2.2	11.8	0.2	6.5	8.1	7.1	7.2	82	75	54	61	68	NNE	2	NNE	2	NNE	2	2.0
29	103.6	103.7	102.8	103.4	3.4	5.7	11.3	7.9	7.1	13.6	-0.8	14.4	-4.3	5.7	5.0	6.1	5.6	85	62	37	58	60	E	2	NE	2	ENE	1	1.7
30	101.8	100.1	100.1	100.7	2.9	7.6	13.9	10.8	8.8	14.3	2.7	11.6	-0.9	5.8	6.0	7.9	6.6	78	56	38	61	58	ESE	2	ESE	3	E	1	2.0
M	101.6	101.4	101.3	101.4	3.2	4.7	9.8	6.6	6.1	11.4	1.7	9.7	-1.4	7.1	7.2	7.5	7.3	90	82	60	74	76		1.6		1.9		1.1	1.5

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978

Avril - April

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	0	0	2	0.7	.	.	Cl, Cs	.	.	
2	9	8	10	9.0	Ac, As	Sc, Cu	Ns	2.5	.	• 0-13 ⁵⁹ -18 ¹⁶ , • 22 ³³ ...23 ⁰⁶
3	9	8	10	9.0	Ac, Cu	Cu, Ac	Sc	0.0	.	• 12 ⁵⁰ -12 ⁵⁶ , • 13 ⁴⁸ ...14 ³²
4	10	10	10	10.0	St	Sc	Sc	0.0	.	• 19 ¹⁴ -20 ⁰⁹
5	10	7	1	6.0	Sc	Cu	Cu	.	.	
6	0	2	0	0.7	.	Cu	.	.	.	— 0-6 ¹⁰ , — 18 ³⁰ -np
7	0	10	10	6.7	.	Ac	Sc	0.0	.	* 10 ⁴⁹ -10 ⁵³
8	9	4	1	4.7	Sc	Cu	Cu	0.0	.	Δ 0-7 ⁵⁰ -8 ¹⁰ , Δ 9 ²⁵ -9 ³³ , Δ 10 ³⁰ -10 ³³ , Δ 10 ⁴⁵ -10 ⁵¹
9	3	8	0	3.7	Ac	Sc	.	.	.	— 1-6 ¹⁵
10	0	0	0	0.0	.	.	.	.	.	— 1 ⁿ
11	10	9	4	7.7	Ac	Sc, Ac	Ac, Cu	0.0	.	• 21 ³⁰ -21 ³³
12	9	10	10	9.7	Sc	Ns	Ns	9.1	.	• 3 ¹⁰ -3 ¹⁸ , • 9 ¹⁸ -9 ⁵⁰ , • 10 ⁴⁸ -14 ⁰⁰ , * 14 ⁰⁰ -17 ²⁸
13	10	10	10	10.0	As	Ns	Ns	20.1	.	— n-7; • 0-18 ³⁵ -10 ³⁰ , * 10 ³⁰ -14 ⁴⁵ , • 14 ⁴⁵ -24 ⁰⁰
14	10	10	10	10.0	Ns	Sc	Sc	0.3	.	• 0-10 ⁰⁰ -5 ⁴¹ , • 6 ¹⁸ -7 ¹² , • 8 ¹⁸ -8 ³¹ , • 11 ²⁹ -12 ⁵³ , • 13 ⁵⁵ -14 ¹¹ , • 14 ⁴² -15 ⁴⁰
15	10	10	1	7.0	Ns	Sc	Cu	0.0	.	• 4 ⁵⁷ -9 ⁴⁵ , • 10 ²⁵ ...11 ⁵⁰ , • 12 ²² ...16 ¹⁵ , — 18 ³⁰ -np; = 21 ¹² -24 ⁰⁰
16	8	10	10	9.3	Cl, Cs	Sc	Sc	0.0	.	= 0 ⁰⁰ -4; = 4-7 ¹⁵ , — 1-6 ¹⁰
17	10	10	10	10.0	St	Ns	Ns	6.9	.	• 3 ⁴⁵ -4 ¹⁷ , • 6 ⁵⁷ -7 ²⁵ , • 10 ²⁵ -10 ¹⁰ , * 10 ¹⁰ -22 ⁰⁰ , • 22 ⁰⁰ -24 ⁰⁰
18	10	10	10	10.0	St	Ns	Ns	1.5	.	• 0 ⁰⁰ -1 ⁵⁷ , • 10 ²⁹ -15 ¹² , • 18 ⁵⁸ ...24 ⁰⁰
19	10	9	10	9.7	St	Sc	Sc, Cb	3.5	.	• 0 ⁰⁰ ...7 ²⁵ , (R) 0 ⁰⁰ SW 14 ⁰⁶ -W-NW 15 ²⁷ , • 1-14 ¹⁸ -15 ³⁰ , • 16 ⁵⁵ ...19 ³² , • 21 ²⁷ -21 ⁴⁵ , = 17 ⁴⁰ -np
20	9	10	2	7.0	Sc, Cb	Sc	Ac	.	.	
21	0	8	7	5.0	.	Sc, Cu	Cl, Cs	0.0	.	• 11 ³⁰ -11 ³⁶ , • 11 ⁵⁹ ...12 ¹⁶
22	9	3	10	7.3	As, Ac	Cl, Cs	Sc, Cb	2.9	.	• 1-7 ²⁵ -9 ⁰⁵ , • 1-9 ²⁵ -10 ⁵⁰ , • 18 ⁰⁴ ...18 ³⁸ , = 7 ⁵⁵ -10 ²⁰ , (R) 0 ¹⁷ 14 ⁴⁸
23	0	2	0	0.7	.	Cu	.	.	.	Δ 1-7 ¹⁵
24	9	10	2	7.0	Sc	Cb	Cl	0.8	.	• 7 ¹⁹ -7 ⁵¹ , • 8 ¹⁸ -8 ²⁴ , • 12 ⁰¹ -12 ¹⁸
25	10	10	4	8.0	Cb, Ac, As	Sc, As	Cl, Cs	0.0	.	• 0 ³⁴ ...1 ³³ , • 9 ⁰⁸ -9 ⁴⁶ , (R) 0 ⁰⁰ SSE 5 ¹⁸ -SSE 5 ³⁶
26	10	10	10	10.0	Sc	Sc	Sc	0.0	.	• 5 ²⁴ ...7 ¹²
27	10	8	8	8.7	Sc	Cl, Cs	Ac, Cu, Cl	.	.	
28	0	9	8	5.7	.	Cs, Cl, Cu	Cl	.	.	
29	0	3	0	1.0	.	Cl	.	.	.	
30	3	8	10	7.0	Cl	Cl, Cs, Ac, Cu	As	0.0	.	• 14 ²⁸ -16 ²⁵ , • 17 ⁴⁵ -18 ³¹
M	6.6	7.5	6.0	6.7				47.6		* 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]									
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M		Max.	Min.	Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	98.8	96.9	94.1	96.6	9.1	8.4	9.8	6.7	8.5	10.8	6.7	4.1	6.6	9.0	8.7	9.7	9.1	67	82	72	99	80	E	2	ESE	3	E	2	2.3
2	83.9	83.2	83.8	83.6	5.9	7.0	9.7	8.4	7.8	10.1	5.7	4.4	5.4	9.9	11.9	10.7	10.8	99	98	99	97	98	ENE	2	NNE	1	C	0	1.0
3	91.1	94.8	98.7	94.9	6.1	6.0	14.0	11.2	9.3	15.5	5.5	10.0	5.1	8.8	7.8	5.8	7.5	97	94	49	44	71	NNW	3	NNW	5	NNW	3	3.7
4	107.2	108.3	109.6	108.4	3.4	5.0	13.1	9.1	7.6	15.5	-0.7	16.2	-4.5	6.7	4.4	6.9	6.0	74	76	29	60	60	C	0	WSW	2	C	0	0.7
5	112.7	111.2	109.2	111.0	0.8	9.0	18.5	13.6	10.5	19.0	-1.1	20.1	-4.5	6.4	6.2	7.2	6.6	100	56	29	46	58	SSE	1	ESE	3	E	1	1.7
6	107.4	104.5	101.8	104.6	9.1	13.0	19.9	16.0	14.5	20.6	8.0	12.6	4.9	7.8	8.6	11.2	9.2	61	52	37	62	53	ESE	2	SE	3	C	0	1.7
7	97.2	96.5	95.3	96.3	15.0	12.8	14.8	12.3	13.7	16.0	12.2	3.8	10.8	13.0	15.9	13.3	14.1	75	88	94	93	88	SE	2	E	2	ESE	1	1.7
8	93.8	93.1	94.0	93.6	10.6	12.4	17.9	12.4	13.3	18.9	10.5	8.4	9.3	12.4	13.4	12.5	12.8	94	86	66	87	83	ESE	1	NE	2	ENE	2	1.7
9	95.2	94.9	97.1	95.7	10.0	10.3	15.7	10.4	11.6	16.0	9.6	6.4	9.2	10.8	9.7	11.3	10.6	88	86	55	90	80	N	2	NNW	3	NNW	3	2.7
10	102.0	105.7	107.2	105.0	7.6	6.6	3.1	2.9	5.0	10.4	2.8	7.6	2.0	7.4	7.1	7.3	7.3	90	76	93	96	89	WNW	2	NNW	2	NW	2	2.0
11	109.6	109.8	109.9	109.8	1.7	1.0	3.7	2.5	2.2	5.3	0.5	4.8	-0.5	6.6	5.4	6.1	6.0	99	100	68	84	88	C	0	N	1	C	0	0.3
12	106.9	105.0	102.5	104.8	1.4	2.7	6.2	4.1	3.6	7.5	0.8	6.7	-0.9	6.0	5.6	5.4	5.7	98	81	59	66	76	W	1	W	2	C	0	1.0
13	101.3	99.8	99.1	100.1	-0.7	5.6	11.6	5.4	5.5	12.7	-1.9	14.6	-5.8	6.0	5.2	5.5	5.6	100	66	38	62	66	SE	2	S	2	C	0	1.3
14	100.6	100.4	99.9	100.3	4.2	8.4	14.6	10.6	9.4	16.6	0.6	16.0	-2.6	7.2	7.0	8.7	7.6	87	65	42	68	66	C	0	C	0	C	0	0.0
15	101.4	100.9	100.7	101.0	4.5	10.2	16.0	12.4	10.8	18.0	2.2	15.8	-1.1	9.3	7.2	8.8	8.4	98	75	40	61	68	W	1	NW	2	C	0	1.0
16	101.7	101.7	102.7	102.0	2.9	9.3	15.9	11.9	10.0	16.2	1.4	14.8	-1.4	9.1	9.2	9.5	9.3	100	78	51	68	74	C	0	WSW	2	C	0	0.7
17	108.0	107.5	108.0	107.8	5.3	9.8	16.5	12.9	11.1	18.0	3.0	15.0	0.4	10.5	8.8	10.6	10.0	95	87	47	71	75	SSE	1	S	2	C	0	1.0
18	109.4	108.5	108.8	108.9	5.5	11.2	18.3	14.3	12.3	20.3	3.0	17.3	-0.4	10.7	8.0	9.2	9.3	97	80	38	56	68	C	0	N	1	C	0	0.3
19	109.0	108.5	107.3	108.3	4.7	12.6	17.0	15.2	12.4	18.0	3.2	14.8	-0.1	9.1	9.9	12.9	10.6	99	62	51	74	72	ENE	1	N	2	C	0	1.0
20	108.3	106.9	105.9	107.0	7.5	14.6	21.5	18.6	15.6	23.5	5.7	17.8	1.5	11.8	8.8	10.2	10.3	100	71	34	47	63	SE	2	ESE	2	ESE	1	1.7
21	106.5	105.2	104.0	105.2	8.8	18.6	24.0	20.3	17.9	25.6	6.7	18.9	3.0	11.4	9.0	11.2	10.5	98	53	30	47	57	SSE	2	SE	2	E	1	1.7
22	101.4	96.5	95.7	98.5	10.1	18.2	23.3	20.5	18.0	24.5	9.7	14.8	5.3	13.0	11.8	11.4	12.1	95	62	41	47	61	SE	2	SSE	3	ESE	2	2.3
23	91.6	92.1	92.9	92.2	17.7	16.9	19.0	18.0	17.9	20.5	16.1	4.4	13.6	11.5	12.7	13.7	12.6	51	60	58	66	59	SE	2	E	3	ESE	2	2.3
24	96.9	98.0	99.7	98.2	10.9	14.0	21.7	14.8	15.4	22.4	9.3	13.1	5.3	12.1	11.0	13.2	12.1	99	76	42	78	74	E	2	ESE	2	ENE	2	2.0
25	103.2	104.2	107.1	104.8	8.3	11.1	17.1	12.0	12.1	18.1	7.6	10.5	5.3	13.2	11.7	9.7	11.5	100	100	60	69	82	NNE	1	ENE	2	ENE	2	1.7
26	110.2	110.8	110.9	110.6	8.7	10.2	18.4	13.5	12.7	19.8	7.2	12.6	4.5	12.1	11.0	12.1	11.7	98	97	52	78	81	NNE	2	ESE	2	NNE	1	1.7
27	112.6	111.7	111.1	111.8	9.6	13.6	21.9	13.0	14.5	23.3	6.6	16.7	3.5	12.2	10.1	13.9	12.1	95	79	38	93	76	NNE	1	NNE	2	C	0	1.0
28	111.2	110.5	108.5	110.1	8.9	14.0	23.3	20.7	16.7	23.8	6.4	17.4	3.5	11.7	7.9	12.3	10.6	99	73	27	51	62	NNE	1	N	2	C	0	1.0
29	109.6	109.2	108.1	109.0	14.2	13.6	23.1	20.3	17.8	23.7	10.3	13.4	7.8	10.4	11.8	11.0	11.1	72	67	42	46	57	NNE	2	N	2	NNE	1	1.7
30	111.7	111.5	110.5	111.2	12.0	17.6	23.9	20.4	18.5	25.2	10.7	14.5	6.4	11.5	10.0	12.2	11.2	82	57	34	51	56	ENE	1	NE	2	NE	1	1.3
31	112.0	111.3	109.8	111.0	9.9	17.9	25.2	21.5	18.6	26.1	8.7	17.4	5.3	10.6	8.8	10.4	9.9	100	51	27	40	54	NNE	2	NNW	3	C	0	1.7
M	103.6	103.3	103.0	103.3	7.5	11.0	16.7	13.1	12.1	18.1	5.7	12.4	3.1	9.9	9.2	10.1	9.7	91	75	50	68	71		1.4		2.2		0.9	1.5

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978

Mai - May

TMGr - GMT

Date	Nébulosité Cloudiness [0-10]				La forme de 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	Sc	Sc	Ns	24.6	.	• 12 ¹⁵ -15 ⁰⁸ , • 15 ⁴⁵ -16 ⁰⁸ , • 1-2 ⁰⁸ -24 ⁰⁰
2	10	10	10	10.0	Ns	St	St	2.2	.	• 1-2 ⁰⁰ -1 ¹⁰ , • 1-1 ¹⁰ -7 ⁰¹ , • 7 ³¹ ...11 ⁰⁶ , • 19 ³⁹ ...24 ⁰⁰ , • 11 ²⁵ ...19 ⁰⁰ , = 11 ⁰⁰ -np • 0 ⁰⁰ ...3 ⁵⁹ • 10 ¹⁰ -11 ¹⁰
3	10	4	3	5.7	Sc	Cu	Cl, Cs	.	.	
4	0	3	2	1.7	.	Cl, Cs	Cl, Cs	.	.	
5	0	0	2	0.7	.	.	Cl	.	.	
6	3	10	10	7.7	Cl	Cs	St	1.1	.	• 16 ³⁰ -18 ⁰⁷
7	10	10	10	10.0	As	Ns	Ns	3.1	.	• 1 ⁰³ ...22 ²¹
8	9	7	10	8.7	Ac	Cl, Cu	Sc	.	.	
9	10	10	10	10.0	Sc	Cu, As	Cb	2.1	.	• 10 ⁵³ ...18 ⁰⁶ , • 18 ⁰⁶ -19 ²⁶ , • 19 ²⁶ ...21 ⁴⁷
10	7	10	10	9.0	Cl, Cs, Cu	Ns	Ns	10.1	.	• 1 ⁰⁰ -1 ⁰⁴ , • 3 ⁵⁶ -4 ⁰³ , • 9 ⁰⁹ -16 ¹⁵ , • 16 ¹⁵ -24 ⁰⁰
11	10	10	9	9.7	Ns	Sc, Cb	Cl, Cs, Cu	1.5	.	• 1 ^{na} -7 ¹⁵ , • 9 ²⁵ -9 ³⁴ , • 9 ³⁴ -9 ³⁸ , • 14 ⁴² ...15 ¹² , • 23 ³⁵ -24 ²⁵
12	7	8	1	5.3	Sc, Cu	Sc, Cb	Cu	0.0	.	• 4 ⁴⁵ -5 ²⁶ , • 6 ⁵⁵ -7 ⁰³ , • 12 ³⁸ ...12 ⁵⁹ , • 15 ¹⁵ -9 ²⁵
13	0	3	8	3.7	.	Cu	Sc	.	.	
14	3	7	7	5.7	Cl, Cs	Sc, Cu	Cs, Sc	.	.	
15	0	8	0	2.7	.	Cu, Sc	.	.	.	
16	10	7	7	8.0	Sc	Cs, Cu	Sc, Cl, Cs	0.0	.	• 1 ^{na} -7 ¹⁰ , • 7 ⁰² -7 ⁰⁸ , • 7 ⁴⁵ ...7 ⁵⁷ , • 8 ³⁰ -9 ²⁶
17	0	8	6	4.7	.	Cb, Cu, Cl, Cs	Cs, Cc, Cu	0.0	.	(R)°SSW916-S-SE1011, • 11 ⁰⁷ -11 ⁴⁵ , • 11 ⁵⁸ -12 ⁰¹
18	8	7	0	5.0	Ac, As	Sc, Cl	.	0.0	.	• 10 ⁴⁸ -10 ⁵⁴
19	7	9	2	6.0	Cl, Cs	Cl, Cs, Cu	Cu	.	.	• 1 ⁴⁷ -11 ¹⁰ , • 17 ⁵⁰ -np
20	0	4	1	1.7	.	Cu	Cl	.	.	• 1 ^{na}
21	0	6	7	4.3	.	Cl, Cs, Cu	Cl, Cc	.	.	
22	9	10	10	9.7	Cs	Cu, Sc, Cs	Cs, Cl, Cc, Ac	0.4	.	• 12 ⁰⁶ -14 ⁰² , • 14 ¹⁶ -15 ¹⁵ , • 21 ⁰⁸ -21 ²⁰
23	9	10	7	8.7	Ac	As	Cs	0.5	.	• 2 ⁴⁵ -3 ⁰⁰ , • 8 ³⁰ -8 ⁵⁰ , • 8 ⁵⁶ -8 ⁵⁸ , • 12 ⁰³ -13 ⁰⁹
24	1	7	10	6.0	Cu	Cu	Ns	5.9	.	(R)°E1735-ESE-SE1817, • 17 ⁴⁵ -17 ⁵⁰ , • 17 ⁵⁰ -18 ⁵³
25	10	5	1	5.3	≡ ¹	Cu	Cu	3.9	.	• 1 ^{na} -6 ⁴⁵ , • 8 ³² -8 ³⁸ , • 18 ⁴¹ -8 ⁵⁵ , • 13 ¹⁹ -13 ²⁹ , • 13 ⁵⁹ -14 ¹¹ , • 18 ⁵³ -18 ⁵⁹ , • 18 ³⁸ -8 ⁴¹ , (R)°ESE842-SF857, (R)°WSW1308-SW1320, • 22 ²⁵ -23 ⁵⁰ , • 23 ⁵⁰ -24 ¹⁰
26	10	4	7	7.0	As, Ac	Cl, Cu	Cl, Cc	0.0	.	• 3 ¹⁰ -5 ²⁵ , • 6 ³⁰ -7 ⁴⁰ , • 11 ²² -11 ²⁷ , • 15 ²⁸ -15 ⁴⁸
27	0	4	0	1.3	.	Cu, Cb	.	5.0	.	(R)°N1213-NNE-NE1240, (R)°NE1357-R°1440-1456-(R)°SW1524, • 13 ⁰⁶ -13 ¹⁵ , • 14 ²² -14 ²⁹ , • 14 ²⁹ -15 ²⁹
28	4	6	7	5.7	Cs	Cs	Cu, Cs	.	.	
29	1	3	1	1.7	Cl	Cu	Cl	.	.	
30	0	9	5	4.7	.	Cl, Cs	Cl	.	.	
31	0	1	0	0.3	.	Cu	.	.	.	
M	5.1	6.8	5.6	5.8				60.4*		* Le total mens - Monthly mean

Juin - June

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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]											
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h		M	Max.	Min.	Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	112.8	112.3	110.1	111.7	10.0	18.6	24.5	20.5	18.4	25.1	8.2	16.9	4.1	12.7	9.3	11.7	11.2	92	59	30	49	58	C	0	E	2	C	0	0.7
2	109.4	107.4	107.2	108.0	10.0	19.7	27.1	21.4	19.6	28.0	9.7	18.3	6.0	13.9	10.7	10.3	11.6	98	61	30	40	57	W	1	NNW	2	NNE	1	1.3
3	110.0	109.3	107.5	108.9	7.1	16.1	23.2	18.7	16.3	24.1	4.8	19.3	1.1	8.7	7.8	9.9	8.8	96	48	27	46	54	SSE	1	ESE	1	C	0	0.7
4	108.6	108.2	106.8	107.9	8.7	17.1	25.6	21.2	18.2	26.6	8.1	18.5	4.0	12.1	12.1	16.2	13.5	99	62	37	64	66	S	1	SSW	1	C	0	0.7
5	107.7	107.2	106.3	107.1	11.3	17.9	28.3	22.9	20.1	28.8	9.4	19.4	6.1	15.1	13.9	14.3	14.4	100	74	36	51	65	C	0	SSW	2	C	0	0.7
6	108.0	107.4	106.4	107.3	10.8	19.5	19.7	22.0	18.0	26.6	9.1	17.5	5.7	14.8	17.8	16.4	16.3	100	65	78	62	76	SSE	1	ENE	1	E	1	1.0
7	105.8	103.8	101.1	103.6	13.1	18.9	28.3	24.1	21.1	28.8	11.3	17.5	8.4	16.5	15.0	17.7	16.4	100	75	39	59	68	SSE	1	S	2	S	1	1.3
8	99.8	98.3	98.8	99.0	17.3	18.9	27.2	17.5	20.2	27.9	16.3	11.6	13.3	20.1	17.4	18.8	18.8	91	92	48	94	81	C	0	W	2	WSW	1	1.0
9	103.9	102.0	101.6	102.5	16.1	16.5	20.3	18.3	17.8	22.0	14.2	7.8	12.7	14.2	10.4	10.6	11.7	97	76	44	50	67	WSW	1	WSW	2	W	1	1.3
10	99.9	98.7	99.4	99.3	12.5	16.5	13.6	13.4	14.0	20.8	11.3	9.5	8.3	12.2	14.5	12.7	13.1	93	65	93	83	84	W	1	NNW	2	SSW	1	1.3
11	102.0	101.5	102.5	102.0	8.8	12.9	14.4	12.5	12.2	16.4	8.7	7.7	5.9	11.3	9.6	10.3	10.4	98	76	58	71	76	WSW	2	WSW	3	WSW	3	2.7
12	98.6	97.1	96.0	97.2	10.8	10.6	12.6	10.0	11.0	13.6	9.3	4.3	8.3	11.5	11.9	10.7	11.4	72	90	81	87	82	SSW	2	SSW	2	SSW	1	1.7
13	95.8	95.5	96.8	96.0	8.8	8.8	15.1	11.6	11.1	16.4	6.8	9.6	4.9	10.7	10.5	12.0	11.1	90	95	61	88	84	SW	1	WSW	2	W	1	1.3
14	98.7	98.0	98.1	98.3	9.6	10.2	17.4	13.6	12.7	18.0	8.6	9.4	4.8	11.8	12.7	12.8	12.4	95	95	64	82	84	W	1	NNE	2	C	0	1.0
15	98.5	97.1	96.5	97.4	8.4	9.5	15.9	14.0	12.0	18.4	7.9	10.5	5.5	10.2	7.9	10.1	9.4	100	86	44	63	73	N	2	WNW	2	N	1	1.7
16	96.3	97.3	96.3	96.6	4.9	11.8	12.9	14.3	11.0	17.1	3.9	13.2	0.4	9.6	9.3	9.3	9.4	100	69	63	57	72	NNW	1	WNW	1	C	0	0.7
17	98.4	97.9	97.7	98.0	3.8	12.4	19.0	14.6	12.4	20.9	2.6	18.3	-0.5	9.9	8.8	9.1	9.3	99	69	40	55	66	SSW	1	WNW	2	N	2	1.7
18	100.6	103.2	105.2	103.0	9.3	9.8	13.0	12.2	11.1	14.6	5.2	9.4	1.2	9.8	7.7	8.5	8.7	85	81	51	60	69	NNW	3	N	2	NNW	1	2.0
19	106.9	104.8	103.6	105.1	3.1	12.0	19.5	15.9	12.6	21.7	2.2	19.5	-1.4	9.1	9.3	13.2	10.5	100	65	41	73	70	WSW	2	W	3	C	0	1.7
20	103.4	101.4	99.9	101.6	8.4	16.9	24.1	21.1	17.6	25.5	6.7	18.8	3.8	13.0	9.6	10.7	11.1	96	67	32	43	60	WSW	1	WNW	2	C	0	1.0
21	99.1	97.6	97.3	98.0	8.2	18.2	24.5	20.8	17.9	25.6	6.5	19.1	3.4	12.8	9.3	12.1	11.4	94	61	30	49	58	WSW	1	N	2	C	0	1.0
22	96.1	94.6	92.7	94.5	9.2	16.7	25.2	21.5	18.2	26.4	7.6	18.8	4.3	13.3	10.9	11.7	12.0	95	70	34	46	61	WSW	1	W	1	W	1	1.0
23	92.2	90.4	89.6	90.7	11.9	16.7	22.1	19.3	17.5	24.3	10.1	14.2	6.7	14.8	12.5	16.6	14.6	96	78	47	74	74	C	0	WNW	1	ESE	1	0.7
24	92.4	89.5	92.9	91.6	13.8	18.1	23.1	14.8	17.4	24.6	12.7	11.9	9.8	14.0	14.9	14.1	14.3	94	68	53	84	75	WSW	1	NW	1	C	0	0.7
25	93.4	97.3	97.8	96.2	13.1	13.0	14.6	16.7	14.4	18.5	12.6	5.9	12.3	14.3	12.6	13.1	13.3	95	95	76	69	84	W	1	W	2	C	0	1.0
26	96.8	96.3	95.7	96.3	10.2	11.6	12.2	11.2	11.3	16.7	9.6	7.1	6.9	13.0	13.5	13.1	13.2	93	95	95	99	96	NNW	1	WSW	1	SSW	1	1.0
27	96.7	98.0	98.5	97.7	10.1	11.2	17.1	15.3	13.4	18.0	8.3	9.7	6.4	12.6	12.1	14.0	12.9	97	95	62	81	84	SSW	1	SW	2	C	0	1.0
28	100.5	100.1	101.0	100.5	9.1	13.6	18.2	13.8	13.7	19.2	8.5	10.7	5.9	12.8	12.1	13.5	12.8	98	82	58	85	81	S	1	NNW	1	E	1	1.0
29	101.0	102.0	103.9	102.3	12.4	12.4	14.1	14.6	13.4	16.0	12.2	3.8	11.3	13.7	15.2	15.3	14.7	85	95	94	92	92	NNW	2	NNW	3	NNW	2	2.3
30	106.3	106.1	106.2	106.2	13.5	15.9	21.7	19.1	17.6	22.4	12.9	9.5	11.1	14.3	14.8	17.1	15.4	96	79	57	77	77	NNW	1	NNW	2	C	0	1.0
M	101.3	100.7	100.4	100.8	10.1	14.7	19.8	16.9	15.4	21.8	8.8	13.0	6.0	12.8	11.8	12.9	12.5	95	76	53	68	73	1.1	1.8	0.7	1.2			

Juin - June

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	0	1	0	0.3	.	Cu	.	.	.	
2	0	4	0	1.3	.	Ac, Cu	.	.	.	
3	2	1	1	1.3	Cl	Cl	Cl	.	.	
4	0	3	8	3.7	.	Cl, Cu	Cl, Cs	.	.	
5	1	3	1	1.7	Cl	Cu, Cl	Cu	.	.	
6	1	9	2	4.0	Cl	Cb, Cu, Cl, Cs	Cs, Cc, Cu	3.9	.	$\bullet^{\circ}10^{11}-10^{36}$, $\bullet^{\circ}1-11^{35}-11^{46}$, $\bullet^{\circ}11^{46}-12^{06}$, $\bullet^{\circ}12^{30}-12^{47}$, (R) $\bullet^{\circ}W10^{30}-R^{01141}$ - -11^{52} -(R) $\bullet^{\circ}ENE12^{32}$ (R) $\bullet^{\circ}S19^{15}-SE-E20^{25}$, (R) $\bullet^{\circ}E20^{25}-22$ $\bullet^{\circ}2^{25}-2^{40}$, $\bullet^{\circ}1^{02}-3^{32}$, $\bullet^{\circ}1^{15}37-17^{29}$, $\bullet^{\circ}na-7$, (R) $\bullet^{\circ}2^{20}-3^{30}$, (R) $\bullet^{\circ}SSW14^{39}$ - $-R^{01612}-16^{44}$ -(R) $\bullet^{\circ}ESE17^{07}$
7	0	3	1	1.3	.	Cu	Cu	1.9	.	
8	10	3	10	7.7	Sc	Cu	Sc	4.2	.	
9	3	5	9	5.7	Cu	Cl, Cu	Cs, Cl, Ac	.	.	
10	9	10	0	6.3	Ac	Cb	.	1.9	.	$\bullet^{\circ}-11^{13}-13^{13}$, $\bullet^{\circ}-13^{49}-14^{17}$, (R) $\bullet^{\circ}SSW12^{04}$ -S-ESE12 ⁴⁴
11	6	9	10	8.3	Cu	Sc, Cu, Cl, Cc	Sc, Ac	0.7	.	$\Delta^{\circ}n-6^{50}$, $\bullet^{\circ}12^{35}-13^{34}$
12	10	10	10	10.0	Cs, Cu	Cu, As	As, Ac, Sc	2.6	.	$\bullet^{\circ}-12^{27}-13^{13}$, $\bullet^{\circ}-17^{20}-8^{12}$, $\bullet^{\circ}-10^{05}-14^{10}$, $\bullet^{\circ}15^{11}-16^{58}$, $\bullet^{\circ}-18^{12}-10^{05}$ $\bullet^{\circ}3^{30}-3^{55}$, $\bullet^{\circ}4^{55}-7^{41}$, $\bullet^{\circ}7^{41}-8^{02}$, $\bullet^{\circ}11^{59}-12^{36}$, $\bullet^{\circ}-13^{56} \dots 17^{35}$, (R) $\bullet^{\circ}SE14^{27}-SE14^{45}$, (R) $\bullet^{\circ}SE15^{58}$
13	10	9	9	9.3	St	Sc, Cu	Sc, Ac	1.3	.	$\bullet^{\circ}15^{25}-6^{05}$, $\bullet^{\circ}7^{50}-8^{06}$, $\bullet^{\circ}9^{07}-9^{26}$, $\bullet^{\circ}12^{38} \dots 17^{21}$, (R) $\bullet^{\circ}NNE13^{47}$ -NW-SW15 ¹⁷ $\bullet^{\circ}4^{26} \dots 6^{10}$
14	10	8	8	8.7	St	Ac, Cu, Cl	Cu, Cl	0.2	.	$\bullet^{\circ}11^{50}-12^{15}$, $\bullet^{\circ}14^{35}-14^{47}$
15	8	8	3	6.3	Cu, Ac	Cu	Cu, Cl	0.0	.	$\bullet^{\circ}8^{10}-8^{19}$, $\bullet^{\circ}8^{50}-9^{01}$, $\bullet^{\circ}13^{44}-13^{56}$
16	1	8	2	3.7	Cu	Cb, Cu	Cl	0.0	.	$\bullet^{\circ}15^{25}-15^{59}$
17	0	8	8	5.3	.	Cl, Cs, Sc	Ac, As, Cu	.	.	
18	8	10	6	8.0	Cu, Ac	Ac, Cu	Ac	0.0	.	
19	0	8	3	3.7	.	Cu, Ac, Cl	Cl	0.1	.	
20	2	3	3	2.7	Cl, Cc	Cu	Cs, Cu	.	.	
21	0	2	2	1.3	.	Cu	Ac, As	.	.	
22	0	3	1	1.3	.	Cu	Cu	.	.	
23	7	4	7	6.0	As, Ac	Cb, Cu	Sc, Cu	0.5	.	(R) $\bullet^{\circ}WSW10^{14}$ -R $\bullet^{\circ}10^{44}-10^{48}$ -(R) $\bullet^{\circ}NNE11^{02}$, (R) $\bullet^{\circ}S11^{59}-S12^{03}$, (R) $\bullet^{\circ}W12^{14}$ -N-NE13 ²⁰ , $\bullet^{\circ}10^{34}-10^{55}$, $\bullet^{\circ}11^{44} \dots 13^{26}$, $\bullet^{\circ}16^{17}-16^{26}$ $\oplus^{\circ}8^{53}-9^{45}$, (R) $\bullet^{\circ}S11^{38}$ -R $\bullet^{\circ}12^{04}-12^{30}$ -(R) $\bullet^{\circ}NE13^{13}$, $\bullet^{\circ}-11^{57}-12^{06}$, $\bullet^{\circ}12^{06}-12^{20}$, $\bullet^{\circ}12^{20}-12^{27}$, $\bullet^{\circ}12^{27}-13^{04}$, $\bullet^{\circ}19^{28} \dots 22^{54}$, $\bullet^{\circ}12^{20}-13$ $\bullet^{\circ}-10^{02} \dots 10^{20}$ $\bullet^{\circ}-15^{06}-17^{46}$, $\bullet^{\circ}18^{47} \dots 22^{25}$ $\bullet^{\circ}6^{20}-7^{01}$, $\bullet^{\circ}7^{15}-7^{18}$, $\bullet^{\circ}8^{14} \dots 10^{33}$ $\oplus^{\circ}10^{05}-10^{50}$, $\bullet^{\circ}11^{20}-11^{32}$, $\bullet^{\circ}12^{31}-12^{57}$, $\bullet^{\circ}13^{56}-14^{34}$, $\bullet^{\circ}15^{12}-15^{38}$, $\bullet^{\circ}16^{02}-16^{24}$, $\bullet^{\circ}17^{40}-20^{15}$ $\bullet^{\circ}-12^{40}-12^{52}$, $\bullet^{\circ}17^{00}-21^{38}$
24	1	10	10	7.0	Ac	Cb	Ac, Cs	13.2	.	
25	10	10	6	8.7	Ns	Sc, Ac	Cs, Cl	3.8	.	
26	10	10	10	10.0	Ns	Ns	As, Sc	16.9	.	
27	10	9	0	6.3	St	Ac, As, Cu	.	0.1	.	
28	2	10	10	7.3	Cl, Cc	As, Cu	Cb, Sc	1.1	.	
29	10	10	10	10.0	Ns	Sc	St	5.2	.	
30	4	5	1	3.3	Ac	Cu, Ac	Cl	.	.	
M	4.5	6.5	5.0	5.3				57.6*		* Le total mens - Monthly mean

juillet - July

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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]										
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M		Max. Min. Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M				
1	106.8	105.5	103.9	105.4	10.5	15.1	25.9	20.7	18.0	26.1	9.3	16.8	7.2	16.4	13.1	18.3	15.9	97	96	39	75	77	SSW	1	SSW	2	C	0	1.0
2	103.8	103.9	102.9	103.5	13.4	16.3	14.8	15.5	15.0	20.7	13.1	7.6	10.8	16.4	16.3	16.1	16.3	95	89	97	91	93	WNW	2	NW	2	C	0	1.3
3	99.2	96.1	96.0	97.1	9.4	14.6	22.3	17.9	16.0	23.7	8.3	15.4	5.9	15.0	14.4	18.5	16.0	92	90	53	90	81	SSE	1	SSW	1	SSW	1	1.0
4	96.5	96.5	96.2	96.4	15.1	17.9	26.2	20.9	20.0	26.8	14.5	12.3	12.0	17.5	15.2	18.5	17.1	94	85	45	75	75	SSW	2	SSW	2	SE	1	1.7
5	96.9	95.7	90.8	94.5	17.3	16.9	21.3	18.5	18.5	23.1	15.9	7.2	13.8	17.4	17.8	20.4	18.5	94	91	70	96	88	W	1	WSW	1	NNW	3	1.7
6	95.4	97.9	98.7	97.3	13.1	13.5	19.4	17.8	16.0	21.0	12.7	8.3	11.8	13.5	11.9	13.9	13.1	98	87	53	68	76	WSW	2	SW	2	C	0	1.3
7	100.9	100.2	98.3	99.8	12.7	14.7	17.7	15.9	15.2	19.3	9.6	9.7	7.0	14.0	14.3	14.5	14.3	92	84	71	80	82	SSW	1	SSW	1	C	0	0.7
8	100.2	101.2	101.2	100.9	11.0	13.3	16.8	15.1	14.0	18.3	9.5	8.8	7.0	12.3	10.0	11.2	11.2	93	81	53	65	73	W	2	W	3	WSW	1	2.0
9	98.7	96.5	94.0	96.4	10.5	13.6	19.7	15.5	14.8	21.0	8.7	12.3	5.6	12.4	12.4	13.0	12.6	94	80	54	74	76	SSW	2	SSW	2	SSW	2	2.0
10	92.8	94.2	95.0	94.0	12.9	12.9	13.9	13.6	13.3	15.7	12.3	3.4	11.2	13.5	13.7	12.1	13.1	94	91	87	77	87	SSW	1	WSW	2	W	2	1.7
11	97.5	99.0	99.9	98.8	12.3	13.6	17.3	15.9	14.8	20.0	11.8	8.2	10.7	14.1	16.2	16.5	15.6	98	91	82	91	90	W	2	WSW	1	C	0	1.0
12	103.1	102.5	102.1	102.6	12.8	14.8	23.9	18.7	17.6	24.5	12.5	12.0	10.5	15.2	13.1	15.8	14.7	96	90	44	74	76	SW	1	SW	1	C	0	0.7
13	105.1	105.3	105.3	105.2	12.1	16.4	22.5	17.3	17.1	23.6	10.7	12.9	8.2	16.3	12.4	14.5	14.4	98	88	46	73	76	C	0	WNW	2	C	0	0.7
14	108.5	106.5	104.6	106.5	13.5	14.9	20.7	19.2	17.1	22.0	12.8	9.2	10.0	15.3	12.7	16.6	14.9	93	90	52	75	78	WSW	1	WSW	2	C	0	1.0
15	103.9	103.8	103.0	103.6	11.5	14.2	16.8	14.3	14.2	19.2	9.0	10.2	6.2	12.1	12.0	10.3	11.5	99	75	63	63	75	WSW	1	SW	1	WSW	1	1.0
16	102.3	101.3	101.5	101.7	10.0	12.3	13.9	13.1	12.3	16.4	9.9	6.5	7.0	11.3	9.8	10.5	10.5	87	79	62	69	74	SW	2	WSW	2	WSW	1	1.7
17	101.7	102.1	103.5	102.4	10.2	11.8	16.7	13.5	13.0	18.8	10.0	8.8	6.8	11.2	11.3	11.0	11.2	88	81	60	71	75	WSW	2	WSW	4	W	1	2.3
18	103.9	101.7	98.0	101.2	8.4	12.5	19.2	16.4	14.1	20.3	5.7	14.6	3.0	11.6	9.7	11.9	11.1	96	80	44	64	71	WSW	1	SSW	2	C	0	1.0
19	93.2	92.4	92.2	92.6	9.8	14.5	18.7	14.3	14.3	19.6	9.3	10.3	7.3	13.1	14.1	15.7	14.3	94	79	65	97	84	E	1	N	1	C	0	0.7
20	95.2	95.3	93.5	94.7	9.9	12.5	19.4	16.9	14.7	20.4	8.1	12.3	5.5	14.0	12.0	14.2	13.4	97	96	54	74	80	WSW	1	W	2	C	0	1.0
21	94.6	96.1	96.3	95.7	12.8	13.2	12.9	12.8	12.9	17.5	12.6	4.9	11.3	12.4	13.0	13.0	12.8	96	82	87	88	68	WSW	2	SW	2	SSW	1	1.7
22	98.2	100.0	103.2	100.5	9.5	11.8	15.5	13.2	12.5	19.0	9.5	9.5	6.7	13.2	15.0	14.1	14.1	91	95	85	93	91	WSW	2	W	2	WNW	1	1.7
23	107.5	107.7	107.6	107.6	11.0	12.7	18.3	16.9	14.7	19.5	11.3	8.2	8.8	13.5	13.1	14.2	13.6	95	92	62	74	81	NW	1	WNW	3	NNW	2	2.0
24	109.1	107.6	106.6	107.8	9.8	10.8	19.3	18.2	14.5	21.6	8.4	13.2	5.3	12.6	13.1	13.6	13.1	96	97	58	65	79	NNW	1	N	3	NNW	1	1.7
25	106.8	105.9	105.9	106.2	8.9	15.4	22.5	18.7	16.4	24.3	7.9	16.4	5.0	14.3	10.3	14.5	13.0	94	82	38	67	70	NNW	1	NW	2	C	0	1.0
26	108.0	107.5	107.1	107.5	10.3	16.1	23.6	20.1	17.5	25.6	8.9	16.7	6.5	16.4	14.3	17.7	16.1	92	89	49	75	76	C	0	S	1	C	0	0.3
27	109.8	110.4	111.4	110.5	14.6	17.7	26.9	22.3	20.4	27.3	11.7	15.6	8.7	14.9	14.2	17.4	15.5	95	74	40	65	68	C	0	ESE	1	C	0	0.3
28	113.8	113.9	113.2	113.6	13.9	19.4	28.1	22.1	20.9	28.9	11.7	17.2	8.8	17.1	15.2	18.6	17.0	91	76	40	70	69	SSE	1	S	1	C	0	0.7
29	114.5	113.0	112.2	113.2	14.5	20.2	27.2	22.2	21.0	28.2	13.2	15.0	10.7	15.4	11.9	15.8	14.4	95	65	33	59	63	S	1	SSE	2	C	0	1.0
30	112.7	111.4	110.4	111.5	12.8	18.6	27.9	23.9	20.8	29.2	11.0	18.2	8.1	15.1	11.5	15.7	14.1	93	71	31	53	62	C	0	ESE	2	C	0	0.7
31	110.6	109.0	108.2	109.3	13.9	18.6	26.7	22.2	20.4	28.8	12.2	16.6	9.5	16.3	15.2	18.4	16.6	94	76	43	69	70	ESE	1	E	2	SSE	1	1.3
M	102.9	102.6	102.0	102.5	11.9	14.9	20.5	17.5	16.2	22.3	10.7	11.6	8.3	14.3	13.2	15.0	14.2	94	85	57	75	78		1.2		1.8		0.6	1.2

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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Juillet - July

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	2	2	8	4.0	Cl, Cs	Cu	Cl, Cs, As	.	.	Δ ⁰¹ 1 ⁰⁰ -2 ³⁰
2	10	10	3	7.7	St	Ns	Cl	6.8	.	● ⁰⁷ 35 ⁰⁰ -7 ⁴⁴ , ● ⁰⁹ 02 ⁰⁰ -9 ⁴⁵ , ● ⁰¹ 19 ⁴⁵ -13 ⁵⁵
3	3	10	10	7.7	Cl	As, Cu	Cu, As	0.9	.	● ⁰¹ 09 ⁰⁰ -12 ²⁶ , ● ⁰¹ 13 ⁰¹ -15 ⁵⁷ , ● ⁰¹ 18 ⁴¹ -18 ⁵³
4	3	7	9	6.3	Ac	Ac, Cu, Cl	Ac, Cl, Cb	6.8	.	● ⁰² 52 ⁰⁰ -3 ⁵² , ● ⁰¹ 16 ⁴³ -17 ¹⁰ , ● ⁰¹ 18 ⁴⁴ -18 ⁴⁶ , ● ⁰¹ 18 ⁵⁶ -20 ⁰² , ● ⁰² 23 ²⁰ -23 ³⁹ , ○ ⁰¹ 17 ¹⁰ -17 ⁴⁰ , (R) ⁰¹ S18 ⁴¹ , (R) ⁰¹ 19 ¹⁴ -19 ²² , (R) ⁰¹ NE19 ³⁶ , (R) ⁰¹ NE21 ²²
5	9	10	10	9.7	Cu, Ac	Cu, As	Sc, Cb	22.6	.	● ⁰³ 50 ⁰⁰ -5 ⁵² , ● ⁰¹ 14 ³⁷ -15 ⁵⁸ , ● ⁰¹ 16 ⁵⁰ -17 ⁴⁵ , ● ⁰¹ 17 ⁵⁵ -19 ²⁸ , ● ⁰¹ 19 ³⁵ -21 ³⁰ , ● ⁰² 28 ⁰⁰ -22 ⁰⁰ , (R) ⁰¹ S12 ³⁰ -SE-E13 ²⁸ , (R) ⁰¹ S14 ²² -R ⁰¹ 21 ²⁰ -18 ⁰⁵ , (R) ⁰¹ W18 ²⁸ , (R) ⁰¹ W18 ⁵⁰ -SW-Snp, Δ ⁰¹ 17 ⁴⁵ -17 ⁵⁵
6	9	8	6	7.7	Cl, Cs	Sc	Sc, Cl	0.2	.	● ⁰⁰ 00 ⁰⁰ -2 ³⁸ , ● ⁰¹ 15 ⁴⁵ -15 ⁴⁸ , ● ⁰¹ 18 ⁴⁰ -18 ⁴⁶ , ● ⁰¹ 19 ¹⁰ -19 ²⁹
7	3	6	5	4.7	Ac	Cu, Ac, As	Cl, Cs, Cu	1.7	.	● ⁰⁶ 47 ⁰⁰ -10 ⁴⁵
8	7	8	9	8.0	Sc, Cu	Sc, Cu	Sc, Cb	0.0	.	● ⁰¹ 18 ¹³ -18 ⁴²
9	9	9	9	9.0	Ac, As, Cl	As, Ac, Cu	Cl, Cs, Cu, As, Ac	1.0	.	● ⁰¹ 11 ³¹ ...11 ⁴⁶ , ● ⁰¹ 13 ⁴⁵ -14 ⁴⁴ , ● ⁰¹ 16 ¹⁴ -16 ⁴⁵ , ● ⁰¹ 16 ⁴⁵ ...18 ²⁴
10	10	10	10	10.0	Sc, Cb	Sc	Sc, Cb	4.6	.	● ⁰² 10 ⁵¹ , ● ⁰⁶ 10 ⁰⁸ , ● ⁰⁸ 28 ⁰⁰ -8 ³⁴ , ● ⁰¹ 18 ⁵⁹ -11 ⁰⁵ , ● ⁰¹ 11 ⁵⁹ -12 ⁰³ , ● ⁰¹ 13 ¹⁵ -14 ⁰² , ● ⁰¹ 18 ³⁰ ...24 ⁰²
11	9	7	7	7.7	Sc	Cb, Cl, Cs, Cu	Ac, Cu, Cl, Cs	4.1	.	● ⁰¹ 10 ⁴¹ -10 ⁴⁸ , ● ⁰¹ 11 ⁰¹ -11 ¹² , ● ⁰¹ 11 ⁴⁶ -12 ⁰² , ● ⁰¹ 12 ³⁵ -13 ¹⁰ , ● ⁰¹ 15 ⁰⁸ -15 ⁴⁸ , ● ⁰¹ 16 ²⁵ -16 ⁴⁰ , (R) ⁰¹ SW10 ⁴⁷ -S-SE11 ⁰⁸ , (R) ⁰¹ NW15 ²¹ -WSW15 ⁴²
12	4	3	3	3.3	Ac, Cu	Cu	Cl, Cs, Cu	0.0	.	● ⁰¹ 18 ¹⁸ -1 ²³ , ● ⁰¹ 18 ³⁹ ...18 ⁴⁹
13	5	5	8	6.0	Sc, Cu	Sc, Cu	Sc, Cb	0.0	.	● ⁰⁶ 22 ⁰⁰ -6 ²⁸
14	10	3	1	4.7	Sc	Cu, Ac	Cu	0.0	.	● ⁰⁸ 26 ⁰⁰ -9 ²⁵ , ● ⁰¹ 10 ⁴¹ -10 ⁵⁰
15	3	10	10	7.7	Ac	As, Ac, Sc	Sc	0.0	.	● ⁰¹ 11 ⁵⁷ -12 ⁰⁴ , ● ⁰¹ 12 ⁴⁶ -13 ³⁵ , ● ⁰¹ 13 ⁴² -14 ⁰⁵ , ● ⁰¹ 14 ³⁷ -14 ⁴⁷
16	5	10	10	9.7	As	Sc, Cb	Sc, As	0.0	.	● ⁰³ 35 ⁰⁰ -3 ⁵⁰ , ● ⁰⁸ 06 ⁰⁰ -8 ¹⁵ , ● ⁰¹ 18 ³⁸ -9 ³⁴ , ● ⁰¹ 13 ⁰⁷ -13 ²⁰ , ● ⁰¹ 18 ¹⁸ -18 ³¹
17	10	4	7	7.0	Sc	Cu	As, Ac, Cu	0.6	.	● ⁰¹ 11 ²⁶ ...11 ⁴² , ● ⁰¹ 12 ³⁴ -12 ⁵⁸ , ● ⁰¹ 14 ⁴⁰ -14 ⁴⁸ , ● ⁰¹ 14 ⁴⁸ -15 ⁵¹ , ● ⁰¹ 15 ⁵¹ -17 ⁰² , (R) ⁰¹ NNE13 ⁴⁵ -E-SE15 ²⁴ , Δ ⁰¹ 15 ^{np}
18	0	3	4	2.3	.	Cu	Cl	.	.	Δ ⁰¹ 7 ⁰⁰ , ● ⁰¹ 12 ⁴⁶ -12 ⁵⁹ , ● ⁰¹ 19 ¹⁹ ...19 ⁴² , ● ⁰² 20 ²⁸ ...21 ⁰⁷ , ● ⁰² 21 ⁵⁷ -24 ²⁷
19	10	10	10	10.0	As	As, Cu	Sc	3.9	.	● ⁰⁵ 50 ⁰⁰ -1 ¹⁵ , ● ⁰¹ 18 ⁴⁸ ...12 ²² , ● ⁰¹ 12 ²¹ -14 ⁵⁸ , ● ⁰¹ 17 ³⁰ -17 ⁴⁵ , ● ⁰⁵ 51 ⁰⁰ ...10 ⁰⁸ , ● ⁰⁸ 06 ⁰⁰ ...9 ²⁰ , ● ⁰¹ 10 ¹⁶ ...13 ¹⁷ , ● ⁰¹ 15 ¹⁷ -15 ⁵⁵ , ● ⁰¹ 17 ¹⁴ ...17 ³² , ● ⁰¹ 18 ⁴³ ...21 ⁴⁸ , (R) ⁰¹ NNE15 ⁰⁷ -E-SE15 ⁵⁰
20	10	7	9	8.7	As	Sc	As	1.3	.	● ⁰¹ 15 ⁴⁸ -15 ⁵⁵
21	10	10	3	7.7	Sc	Cb, As	Cu	2.5	.	● ⁰³ 42 ⁰⁰ -4 ³³ , ● ⁰⁵ 45 ⁰⁰ -7 ³²
22	10	9	8	9.0	Sc	Sc, Ac	Cu, Cb, Ac, Cl	3.2	.	Δ ⁰¹ 7 ⁰⁰ , ● ⁰¹ 18 ⁵⁵ -9 ²⁰
23	10	8	6	8.0	Sc	Sc, Cu, Cb	Cl, Ac, Cc	0.0	.	Δ ⁰¹ 1 ⁿ
24	10	5	0	5.0	St	Cu	.	0.0	.	.
25	2	6	0	2.7	Cl, Cs	Cl, Cs, Sc, Cu	.	.	.	.
26	0	4	4	2.7	.	Cu	Cl, Cs	.	.	.
27	0	4	0	1.3	.	Cu	.	.	.	.
28	0	3	5	2.7	.	Cu, Cl	Cl	.	.	.
29	1	4	2	2.3	Cl	Cu	Cl	.	.	.
30	0	3	1	1.3	.	Cu	Cl	.	.	.
31	10	3	7	6.7	Ac	Cu, Cl	Cs, Cu	.	.	(R) ⁰¹ SW15 ⁴⁴ -WSW-W16 ²⁰
M	6.1	6.5	5.9	6.2				60.4*		*Lc total mens - Monthly mean

Août - August

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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]												
	5 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h		Max. Min. Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M						
1	111.1	110.7	110.0	110.6	14.0	20.8	27.1	25.3	21.8	26.7	13.2	15.5	9.8	16.8	14.9	16.1	15.9	98	68	41	50	64	SE	1	ESE	2	E	1	1.3	
2	109.3	107.2	105.7	107.4	14.9	21.3	28.3	25.1	22.4	30.0	13.5	16.5	10.2	17.0	14.4	16.7	16.0	53	67	37	52	62	E	1	SSE	3	C	0	1.3	
3	104.6	104.1	103.0	103.9	19.1	19.7	24.7	19.3	20.7	26.1	18.3	7.8	17.3	17.8	17.2	21.7	18.9	67	78	55	97	74	SSW	1	SSW	2	SSE	1	1.3	
4	102.6	101.9	101.2	101.9	15.3	17.7	27.2	21.7	20.5	28.8	14.7	14.1	11.9	18.2	19.9	22.7	20.3	95	90	55	87	82	SSW	1	SSW	1	C	0	0.7	
5	103.6	102.8	102.4	102.9	16.3	18.6	24.1	20.1	19.8	25.3	13.1	12.2	10.8	17.5	16.2	16.7	16.8	93	82	54	71	75	W	1	WNW	2	C	0	1.0	
6	102.8	101.2	100.3	101.4	13.2	16.7	24.1	16.2	17.6	25.1	11.1	14.0	8.7	15.1	13.9	17.8	15.6	97	80	46	97	80	C	0	WSW	2	C	0	0.7	
7	102.3	95.8	93.4	97.2	13.9	15.9	25.1	21.9	19.2	26.5	13.7	12.8	11.8	17.7	17.8	19.4	18.3	98	96	56	74	82	S	1	SSE	1	ESE	1	1.0	
8	86.6	82.6	82.5	83.9	17.2	17.6	27.6	21.1	20.9	28.8	16.2	12.5	14.6	19.9	22.2	18.4	20.2	95	99	60	73	82	ENE	1	SSE	3	S	1	1.7	
9	78.3	82.1	86.7	82.4	14.7	13.0	13.4	14.8	14.0	21.1	12.5	8.6	11.8	15.0	14.8	15.5	15.1	73	100	56	92	90	S	1	WNW	2	WNW	4	2.3	
10	96.1	96.7	96.0	96.9	12.7	14.2	20.5	17.5	16.2	21.8	10.6	11.2	9.0	13.0	10.6	11.8	11.8	90	80	44	59	68	W	2	WNW	4	WNW	1	2.3	
11	101.3	101.0	101.9	101.4	9.3	13.2	18.7	14.2	13.8	21.2	9.3	11.9	6.7	13.1	13.5	14.6	13.7	94	86	63	90	83	W	1	WSW	1	WSW	1	1.0	
12	104.6	103.5	103.4	103.8	10.3	11.0	18.4	13.5	13.3	20.5	7.7	12.8	4.7	12.8	12.7	13.2	12.9	96	97	60	85	84	WSW	1	W	2	E	1	1.3	
13	103.5	102.4	103.9	102.6	11.1	13.0	18.1	15.1	14.3	20.2	10.7	9.5	7.8	14.4	13.8	13.8	14.0	96	96	67	81	85	WSW	2	WNW	2	C	0	1.3	
14	105.7	105.7	105.3	105.6	10.3	14.0	19.1	16.1	14.9	21.0	9.2	11.8	6.9	13.5	14.7	14.5	14.2	93	84	67	79	81	WSW	1	SSW	1	C	0	0.7	
15	106.8	106.7	106.1	106.5	10.7	14.2	21.9	18.1	15.2	23.6	10.7	12.9	7.4	14.0	15.3	16.7	15.3	94	87	56	80	80	SSW	1	WSW	1	C	0	0.7	
16	107.4	106.7	105.9	106.7	12.2	14.8	26.4	21.4	18.7	27.3	10.8	16.5	7.8	13.7	15.4	16.1	15.1	91	82	45	63	70	SSE	2	S	2	SSE	1	1.7	
17	105.9	107.3	107.8	107.0	17.6	16.4	22.5	18.4	18.7	22.8	15.4	7.4	14.5	18.4	19.2	18.1	18.6	73	99	70	85	82	S	2	WSW	1	C	0	1.0	
18	106.2	106.8	105.5	106.2	15.5	13.4	14.0	14.4	14.3	18.4	13.3	5.1	13.2	15.2	15.4	16.2	15.6	94	99	97	99	97	NNW	1	C	0	C	0	0.3	
19	102.0	100.9	100.9	101.3	13.2	12.8	13.4	12.7	13.0	14.4	12.8	1.6	12.3	14.6	15.2	14.5	14.8	99	99	99	99	99	WNW	2	W	1	C	0	1.0	
20	104.7	106.6	108.2	106.5	12.1	13.3	14.8	14.2	13.6	16.0	12.1	3.9	10.8	14.4	15.0	15.6	15.0	98	94	89	57	94	NNW	1	N	2	C	0	1.0	
21	111.0	111.8	111.6	111.5	11.9	11.0	21.0	17.1	15.2	22.7	10.0	12.7	9.4	13.1	14.4	16.7	14.7	99	100	58	86	86	C	0	SW	1	C	0	0.3	
22	112.6	111.2	109.1	111.0	10.8	13.7	23.7	18.5	16.7	24.1	9.8	14.3	7.3	15.0	15.5	17.6	16.0	95	95	53	83	82	C	0	S	3	C	0	1.0	
23	106.4	105.7	106.9	106.3	12.7	14.9	26.1	18.4	18.0	26.3	11.7	14.6	8.8	15.1	15.2	17.9	16.1	92	89	45	84	78	SSE	1	SSW	1	WNW	1	1.0	
24	110.0	110.1	109.7	109.9	14.4	14.3	19.5	16.3	16.1	21.0	10.3	10.7	7.8	14.8	12.9	14.9	14.2	89	91	57	80	79	WSW	2	WNW	1	C	0	1.0	
25	107.7	104.1	102.3	104.7	11.0	12.6	18.4	14.8	14.2	19.2	10.7	8.5	9.2	13.0	11.9	11.6	12.2	96	89	56	69	78	SSW	1	WSW	2	W	2	1.7	
26	98.2	98.3	99.0	98.5	11.9	11.2	12.2	10.3	11.4	14.8	10.0	4.8	7.5	11.2	12.7	11.7	11.9	96	84	89	94	89	WSW	3	WSW	3	WSW	1	2.3	
27	96.9	95.9	95.3	96.0	9.4	10.2	13.6	9.5	10.7	15.0	8.4	6.6	5.6	12.1	10.7	10.2	11.0	96	57	65	86	87	SSW	1	SW	3	WSW	1	1.7	
28	98.0	101.0	104.0	101.0	7.7	8.3	14.5	10.8	10.3	15.5	6.8	8.7	5.3	10.0	11.2	12.3	11.2	91	92	68	95	86	WSW	2	WSW	2	SSW	2	2.0	
29	106.8	106.8	104.8	106.1	8.9	10.1	15.9	13.4	12.1	17.2	5.6	11.6	2.4	10.9	10.1	12.6	11.2	87	88	56	82	78	WSW	1	SW	1	S	1	1.0	
30	99.4	97.4	95.8	97.5	12.5	11.4	15.3	12.7	13.0	17.4	11.3	6.1	10.4	13.0	15.7	14.2	14.3	86	96	90	96	92	SSE	1	S	1	SSE	1	1.0	
31	93.1	93.1	92.1	92.8	11.4	9.6	11.0	8.0	10.0	12.7	8.0	4.7	4.9	11.5	12.5	10.0	11.3	97	96	95	93	95	W	1	W	1	C	0	0.7	
M	102.8	102.2	102.0	102.3	12.8	14.2	20.0	16.5	15.9	21.7	11.3	10.4	9.2	14.6	14.7	15.5	14.9	92	90	64	83	82			1.2		1.7		0.7	1.2

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978

TMGr - GMT

Août - August

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	0	6	7	4.3	.	Ci, Cs, Cu	Ci, Cc	.	.	
2	0	2	3	1.7	.	Cu	Ci	.	.	
3	8	9	10	9.0	Cs, Ac	Ac	Sc, Cb	0.2	.	° 7 ⁵⁰ -5 ⁰⁵ , ° 9 ²⁰ ...10 ¹⁵ , ° 17 ⁰⁷ -17 ⁰⁶ , ° 17 ¹⁷ -15 ⁴⁵ , (R)° W16 ³⁵ -NW-N18 ⁰⁶
4	0	7	10	5.7	.	Cu	As	7.0	.	(R)° SW12 ¹⁵ -SE-E13 ⁴⁰ , ° 1-2 ⁴⁵ -13 ³⁰
5	0	6	7	4.3	.	Cu, Ac	Ci, Ac	0.0	.	° 11 ³⁴ -11 ⁵⁹
6	1	7	9	5.7	Ci, Ac	Cu, Ac	Cb, Sc	12.3	.	Δ ¹ n-6 ¹⁵ , (R)° NNW12 ³⁰ , R ¹³ 0 ⁰⁵ -13 ³⁵ , (R)° SE13 ⁵³ , (R)° NNW15 ⁴³ -W-S16 ⁴⁶ , ° 2-13 ⁰⁶ -13 ⁵² , ° 3-2 ¹⁵ , ° 13 ³⁰ -13 ³³ , ° 2-13 ⁵⁰ -16 ⁴² , ° 17-15 ¹⁵ , ° 1-15 ¹⁵ -np
7	10	7	9	6.7	Ac, As	Ci, Cc	Cs, Ac	7.2	.	=n-7 ¹⁰ , ° 7 ⁰⁵ -7 ¹² , ° 2-29 ⁴⁵ , ° 1-15 ⁴⁵ ...21 ²⁹ , (R)° S15 ²⁵ -E-ENF19 ³²
8	10	2	3	5.0	Sc, Cb	Ci	Cb, Ci	4.1	.	=n-1 ¹⁰ , (R)° SE2 ³⁵ -R ¹² 2 ⁵⁵ -23 ¹³ , (R)° NE15 ¹⁵ , ° 1-2 ¹³ -2 ¹⁵ , ° 1-2 ²⁹ ...4 ⁰³ , ° 1-2 ³⁹ ...7 ³³ , ° 9 ⁰¹ -9 ⁰⁹ , ° 1-15 ⁴⁵ -19 ¹⁷
9	10	10	10	10.0	Ns	Ns	Sc, Cb	4.0	.	° 1-2 ⁴⁷ -12 ⁰² , ° 1-13 ³⁵ -13 ⁵⁰ , ° 15 ⁴⁵ -16 ²⁵ , ° 1-17 ⁰⁶ ...22 ²⁵ , ° 23 ⁰² -23 ⁰⁵ , (R)° N13 ⁵⁰
10	2	3	5	4.3	Cu	Cu	Cu	0.4	.	
11	4	5	6	5.0	Ac	Cu, Cb, Ci, Cc	Cs, Ac	0.0	.	° 2 ³⁰ -2 ⁴⁷ , ° 11 ³⁰ ...11 ⁴² , (R)° SSE11 ⁴⁹ -12 ¹⁷
12	5	9	5	7.3	Cu	Ci, Cc, Cu, Cb	Ac	0.1	.	Δ ¹ n-7 ²⁰ , ° 11 ²² -11 ³⁵ , ° 12 ⁰⁷ -12 ¹² , (R)° N10 ³² -W-SW11 ²²
13	10	5	9	9.0	St	Sc	Sc, Cb	0.0	.	° 3-23 ²⁵ , ° 15 ³⁹ -16 ⁰⁷ , ° 15 ⁴⁰ ...19 ²⁴
14	1	10	4	5.0	Ac	Sc, Ac	Cu, Ci	0.3	.	Δ ¹ n-7 ²⁵ , ° 10 ⁴² -10 ¹³ , ° 10 ²⁹ -10 ⁵⁰ , ° 12 ²⁶ -12 ³⁶
15	0	10	4	4.7	.	Ac, Cu	Ci	.	.	° 1 ⁴⁵ ...2 ⁵² , ° 17 ³⁰ -np, Δ ¹ 17 ⁴⁰ -np
16	0	9	9	6.0	.	Cs, Ci	As, Ac	2.6	.	Δ ¹ na-6 ²⁰
17	0	10	7	5.7	Ac, As	As, Cu	Ac	11.6	.	=n-3 ³⁰ , ° 1-3 ⁰⁵ -2 ¹⁵ , ° 15 ⁴⁵ -15 ⁵² , ° 19 ²⁹ -19 ⁴⁶ , ° 1-23 ³⁶ -24 ⁰⁰
18	10	10	10	10.0	Ns	Ns	Sc, Cb	23.1	.	=n-a-p-np, ° 10 ⁰⁰ -12 ⁰⁶ , ° 12 ²⁵ -13 ²⁰ , ° 16 ⁴⁵ -15 ¹⁵ , ° 15 ²⁵ -15 ²⁸ , ° 1-15 ⁴⁰ -24 ⁰⁰
19	10	10	9	9.7	Ns	Ns	Sc	26.4	.	° 10 ⁰⁰ -17 ⁴⁴
20	10	10	10	10.0	Ns	Sc	Ac	0.9	.	° na, ° 7 ⁰¹ ...5 ⁵⁹ , ° 10 ¹⁵ -10 ³¹ , ° 1-11 ³⁶ -13 ⁰⁴ , ° 15 ²⁵ -np
21	10	9	2	7.0	≡ ²	Sc, Cu	Ci	.	.	≡ ² n-6 ³⁰ , ≡ ¹ 6 ⁵⁰ -7 ¹⁵ , ≡ ⁰ 7 ¹⁵ -7 ³⁵
22	4	3	3	3.3	Ci	Cu	Cu, Ci, Ac	.	.	Δ ¹ n-7 ³⁰ , ° 17 ⁴⁰ -np
23	0	3	10	4.3	.	Ci, Cc	Sc	0.1	.	° 14 ⁴⁵ -14 ⁵³ , ° 16 ²³ -17 ³⁴ , ° 17 ⁵⁴ -18 ⁰⁶
24	1	6	7	4.7	Ci	Cu	Cu, Ac	.	.	
25	10	9	6	8.3	Sc	Sc, Ac	Sc, Cu	0.0	.	° 14 ¹⁰ ...14 ²⁰ , ° 15 ¹⁰ ...15 ³⁰ , ° 20 ⁰⁹ ...21 ¹⁵
26	6	9	10	8.3	Sc	Sc, Cu, Ac	Cb	5.4	.	° 5 ⁵⁶ -5 ⁰³ , ° 15 ⁵⁰ -5 ⁵⁶ , ° 19 ³⁴ -10 ¹⁶ , ° 1-21 ²¹ ...14 ¹⁵ , ° 16 ⁵⁷ -19 ⁵⁰
27	10	6	10	8.7	Sc, Cb	Cu, Ac, Ci	Sc, Cb	0.6	.	° 2 ⁵⁵ -5 ⁵⁹ , ° 5 ²⁰ -6 ³² , ° 10 ¹⁶ -10 ¹⁵ , ° 10 ⁵⁸ -11 ⁰⁰ , ° 11 ³⁰ -11 ³⁴ , ° 13 ⁰⁰ -13 ⁰⁵ , ° 13 ⁴¹ -14 ⁰¹ , ° 17 ⁰⁵ -17 ⁰⁷ , ° 15 ³⁴ -19 ⁰⁷ , ° 1-17 ⁰⁷ -17 ¹⁰
28	10	9	10	9.7	Sc, Cb	Sc	Sc	0.7	.	° 3 ⁴⁴ -4 ⁴⁰ , ° 5 ³⁰ -5 ⁴³ , ° 7 ⁴⁵ -9 ⁴⁵ , ° 10 ¹⁵ -10 ²⁵ , ° 10 ⁵⁰ -11 ¹⁸ , ° 13 ⁰³ -13 ⁵⁸ , ° 1-15 ⁰⁶ -15 ²³ , ° 15 ⁴⁹ -16 ⁴²
29	5	8	10	7.7	Cu	Cu	Sc, Ac	1.7	.	° 15 ⁵⁶ ...16 ⁰³ , ° np
30	10	10	10	10.0	Ns	Sc, As	Sc	5.5	.	=n-10 ³⁰ , ° 16 ³⁰ -np, ° 0 ⁰⁰ -0 ⁴⁵ , ° 1-21 ²⁰ , ° 7 ⁴¹ ...12 ⁵⁷ , ° 1-15 ²⁷ -16 ⁴³ , (R)° W15 ⁴⁷ , ° 1-23 ⁴⁷ -24 ⁰⁰
31	10	10	3	7.7	Sc	Ns	Ac, Cs	2.7	.	=n-5 ⁰⁰ , ° 17 ⁰⁰ -np, ° 1-10 ⁰⁰ -4 ²⁵ , ° 7 ⁵⁷ -14 ⁰³
M	5.2	7.5	7.4	6.9				117.7*		* Le total mens - Monthly mean

Septembre - September

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

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]									
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M		Max.	Min.	Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	91.8	91.8	89.7	91.1	6.0	7.0	12.2	9.8	8.8	13.4	5.2	8.2	2.5	10.0	11.6	10.8	10.8	96	100	81	90	92	WSW	1	WNW	2	C	0	1.0
2	96.6	88.0	91.2	91.9	6.8	9.2	11.0	9.6	9.2	12.6	5.7	6.9	3.0	11.5	12.5	12.0	12.0	97	99	95	100	98	SSW	2	WSW	2	W	3	2.3
3	92.4	92.8	94.8	93.3	8.9	9.9	12.3	8.6	9.9	14.1	8.6	5.5	6.4	12.2	11.4	11.2	11.6	97	100	80	100	94	SSW	1	SW	1	C	0	0.7
4	94.4	95.1	95.7	95.1	8.6	9.8	11.7	10.5	10.2	14.5	8.2	6.3	5.1	11.6	10.8	11.9	11.4	98	96	78	94	92	SSW	2	WNW	1	C	0	1.0
5	94.1	94.7	96.5	95.1	9.6	9.8	14.5	12.2	11.5	16.0	9.1	6.9	8.8	11.8	10.3	12.3	11.5	95	97	63	87	86	S	1	SSW	1	C	0	0.7
6	97.7	97.4	97.5	97.5	8.4	9.7	17.5	11.6	11.8	18.4	7.7	10.7	4.9	11.7	11.9	12.3	12.0	95	97	60	90	86	S	1	NW	1	C	0	0.7
7	96.8	96.3	96.5	96.5	6.4	8.4	19.1	15.4	12.3	20.0	4.7	15.3	2.5	11.0	13.6	15.6	13.4	96	100	62	89	87	C	0	ENE	2	ENE	1	1.0
8	95.9	96.7	98.8	97.1	13.2	12.8	13.6	13.3	13.2	15.4	12.6	2.8	11.8	14.4	15.4	15.1	15.0	94	98	99	99	98	C	0	C	0	C	0	0.0
9	104.6	104.5	104.4	104.5	11.6	11.8	16.9	11.9	13.0	18.1	11.5	6.6	10.3	13.8	13.9	12.7	13.5	96	100	72	91	90	C	0	SSE	2	C	0	0.7
10	100.2	98.0	92.7	97.0	10.5	13.0	15.9	13.6	13.2	16.5	10.5	6.0	7.5	14.6	13.6	14.9	14.4	95	98	75	95	91	WSW	1	WSW	2	SSW	1	1.3
11	89.9	90.5	86.4	86.9	15.0	14.0	15.6	18.2	15.7	18.2	13.2	5.0	11.9	15.6	16.4	19.4	17.1	92	98	92	93	94	WSW	3	SSW	2	SSW	2	2.3
12	88.3	91.8	95.5	91.9	13.3	12.6	12.4	11.1	12.4	18.9	11.1	7.8	8.3	12.4	12.0	12.1	12.2	90	85	83	91	87	SW	2	W	2	SW	1	1.7
13	104.1	107.4	108.3	106.6	11.2	11.1	12.5	8.9	10.9	13.2	8.9	4.3	6.2	11.6	10.8	10.5	11.0	93	88	74	92	87	WSW	2	W	1	C	0	1.0
14	108.5	106.5	103.4	106.1	3.9	9.0	16.8	14.4	11.0	17.2	3.7	13.5	1.5	11.5	13.9	14.2	13.2	99	100	73	87	90	C	0	SSW	2	S	2	1.3
15	102.0	103.1	100.3	101.8	13.0	12.9	16.6	12.5	13.8	16.8	12.5	4.3	10.6	14.5	12.1	12.3	13.0	86	98	64	85	83	SSW	1	W	2	S	1	1.3
16	98.9	101.6	106.0	102.2	12.5	11.8	12.3	12.3	12.2	14.7	11.5	3.2	9.8	11.2	11.4	10.6	11.1	81	81	80	74	79	W	3	W	2	WNW	2	2.3
17	106.5	100.7	100.6	102.6	7.6	7.9	20.3	15.3	12.8	21.0	5.2	15.8	1.9	10.5	13.4	14.0	12.6	96	99	56	81	83	S	1	SSW	3	W	2	2.0
18	102.4	101.9	101.6	102.0	11.4	10.2	14.5	11.0	11.8	15.3	9.7	5.6	7.8	9.3	8.7	9.0	9.0	79	75	53	68	69	W	3	SW	4	WSW	3	3.3
19	97.2	95.9	97.4	96.8	10.3	10.6	11.0	7.8	9.9	11.7	7.8	3.9	5.9	10.2	11.8	10.3	10.8	79	80	90	97	86	WSW	2	WSW	2	C	0	1.3
20	104.2	105.3	106.6	105.4	3.0	5.0	11.2	6.3	6.4	13.3	2.3	11.0	-0.9	8.6	7.4	8.3	8.1	98	98	56	86	84	W	2	WNW	2	C	0	1.3
21	106.7	104.1	100.3	103.7	0.4	5.4	10.1	9.6	6.4	11.3	-0.2	11.5	-3.3	8.7	9.5	11.8	10.0	94	97	77	99	92	SSW	1	SW	2	WSW	2	1.7
22	104.8	104.2	100.6	103.2	8.8	7.6	11.2	9.4	9.2	13.4	7.2	6.2	6.4	9.8	10.2	9.9	10.0	89	94	77	84	86	W	2	WSW	3	WSW	1	2.0
23	96.9	99.3	102.2	99.5	7.9	7.7	10.2	7.3	8.3	11.2	7.3	3.9	4.9	10.4	10.4	9.2	10.0	95	98	83	90	92	NNE	1	NW	1	NNW	1	1.0
24	106.2	105.2	102.7	104.7	2.8	2.8	10.2	8.1	6.0	11.0	6.6	10.4	-2.0	7.5	8.4	10.0	8.6	100	100	67	93	90	C	0	SSW	1	SSE	1	0.7
25	101.2	101.1	103.6	102.0	13.1	14.3	17.0	16.9	15.3	18.5	8.1	10.4	7.8	15.9	15.6	15.2	15.6	96	98	81	79	88	WSW	1	WSW	2	WSW	2	1.7
26	107.9	109.4	107.5	108.3	12.6	10.4	14.2	8.8	11.5	16.9	8.8	8.1	7.8	12.0	10.6	10.4	11.0	94	95	65	92	86	W	2	WSW	2	C	0	1.3
27	104.3	103.2	101.7	103.1	8.3	8.1	14.4	9.0	10.0	15.6	7.3	8.3	5.4	10.6	9.4	10.5	10.2	94	95	57	92	86	WSW	1	WSW	2	C	0	1.0
28	98.9	98.1	98.2	98.4	6.2	6.4	13.6	9.3	8.9	14.5	5.3	9.2	2.8	9.5	11.4	11.6	10.8	96	98	73	99	92	C	0	C	0	W	1	0.3
29	97.0	95.6	95.4	96.0	2.5	7.7	13.2	5.5	8.7	14.0	5.5	8.5	4.5	10.4	9.6	8.3	9.4	98	98	63	92	88	W	1	WSW	2	C	0	1.0
30	92.9	94.8	96.9	94.9	4.4	7.4	11.7	9.3	8.2	12.1	2.9	9.2	0.7	10.3	12.7	11.4	11.5	99	100	93	97	97	C	0	W	1	C	0	0.3
M	99.4	99.2	99.1	99.2	8.8	9.5	13.8	10.9	10.8	15.3	7.4	7.9	5.4	11.4	11.7	11.9	11.7	94	95	74	90	88		1.2	1.7		0.9	1.3	

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978

Septembre - September

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	7	9	4	6.7	Cu,Ci	Cu,Ci	Ci	0.5	.	
2	10	10	10	10.0	St	Sc	Ns	15.3	.	14 ³⁸ -15 ¹⁵ , 17 ¹⁵ ...18 ¹²
3	10	10	8	9.3	Ns	Sc,Cb	Cu,Ac,Cs	2.8	.	14 ³⁷ ...8 ⁵⁹ , 10 ⁴³ ...12 ²⁵ , 16 ¹⁷ -17 ¹⁷ , 22 ¹¹ -22 ¹⁹ , (R) 0 ^{W11} 56-SW-S12 ³²
4	10	8	10	9.3	Ac,As	Cu,Ci	As,Cu	4.2	.	0 ¹² -1 ⁰⁵ , 5 ²⁷ ...5 ³⁷ , 6 ³⁰ -6 ⁵¹ , 7 ⁰⁶ -8 ³² , 10 ⁰⁴ ...11 ¹¹ , 12 ⁵¹ ...14 ³⁷ , 18 ¹⁰ -np
5	10	10	10	10.0	Ns	Sc,Cb	Sc	0.1	.	0 ⁿ⁻⁶ 23, 12 ⁴⁴ ...14 ⁰⁸
6	9	6	0	5.0	As,Ac	Cu	.	.	.	=17 ⁰⁸ -np; 17 ¹⁰ -np
7	3	9	9	7.0	Ac	Ac	Ac,As	3.6	.	=n-7 ³⁰ ; 17 ¹⁵ , 17 ³⁷ -17 ³⁹ , 17 ⁴³ -18 ³¹ , 12 ¹⁴ -24 ⁰⁰
8	10	10	10	10.0	St	Ns	Ns	11.7	.	0 ⁿ⁻¹⁰ 00-3 ⁴⁴ , 16 ¹⁴ -np; n-np
9	10	9	0	6.3	St	Sc	.	1.6	.	=n-7 ¹⁵ ; =17-np
10	10	10	10	10.0	As	Cu,As	Ns	3.0	.	=n-8; 11 ¹⁷ -2 ⁴⁸ , 5 ⁴¹ -5 ⁵⁷ , 6 ¹⁷ ...7 ¹⁶ , 13 ⁴⁸ -21 ⁰⁰
11	10	10	8	9.3	Ns	Cu,As	Cu,Ac	4.7	.	14 ¹⁸ -7 ⁴⁵ , 12 ⁵² -14 ⁴⁰ , 19 ³³ -21 ¹⁰ , (R) 18 ⁵⁶ -NNW-NW19 ⁴⁰
12	10	7	7	8.0	Sc	Sc,Cu	Ac	0.6	.	8 ³⁵ -8 ⁵² , 11 ²⁰ -11 ³⁵ , 11 ⁵¹ -12 ²⁷
13	10	10	9	9.7	Sc	Sc	Ac,As	.	.	
14	10	10	10	10.0	As	As	Ac	3.8	.	17 ³⁰ ; =n-7; 8 ⁴⁰ -8 ⁴⁶
15	10	2	9	7.0	Ns	Cu	Ac,As	0.2	.	=n-8 ¹⁴ ; 10 ¹⁹ -4 ⁴⁷ , 7 ²³ ...8 ¹³ , 18 ¹⁸ ...18 ⁵² , 20 ⁴⁸ ...21 ²⁶
16	10	10	9	9.7	Sc	Sc,Cb	Ac,Cu	0.2	.	2 ⁰¹ ...5 ³⁶ , 8 ³⁴ ...9 ³⁵ , 10 ¹⁵ -12 ⁰² , 12 ¹⁸ ...13 ⁵⁷
17	10	0	5	5.0	Sc	.	Ac	0.1	.	1 ⁿ⁻⁸ ; 15 ⁰⁵ -15 ²⁰ , 15 ⁴⁵ -16 ⁰⁷ , 16 ³⁰ -16 ³⁸ , 18 ⁴⁵ -19 ⁰⁴
18	1	6	4	3.7	Cu	Cu	Cu	0.0	.	13 ¹⁰ -13 ¹⁶ , 15 ⁰⁹ -15 ¹³ , 22 ¹² -24 ⁰⁰
19	10	10	2	7.3	As,Cu	Cb,Sc	Cu	2.0	.	0 ⁿ⁻⁰ 00-4 ⁴⁰ , 6 ²⁰ -6 ³¹ , 7 ⁵⁵ -8 ⁰⁰ , 8 ²⁰ ...10 ⁴⁸ , 11 ²⁴ -13 ⁴⁵ , 15 ²⁸ -15 ³⁴ , 16 ⁵⁹ -17 ⁵⁴
20	1	7	8	5.3	Ci,Cc,Cu	Sc,Cu,Cc	Ac,As,Cu	0.0	.	13 ⁰⁰ ...13 ²⁵
21	9	10	10	9.7	Ac,As	Sc	Ns	1.3	.	16 ⁴⁰ , 9 ¹⁷ -9 ³³ , 9 ⁴³ -9 ⁵¹ , 13 ³⁰ -13 ³³ , 14 ¹⁶ ...18 ⁴³ , 21 ²⁷ -22 ¹² , 23 ⁰² ...23 ⁴⁷
22	5	9	10	8.0	Cu	Sc	Cu,As	3.7	.	17 ³³ -24 ⁰⁰
23	10	10	1	7.0	Ns	Sc,As	Cu	0.7	.	0 ⁿ⁻⁰ 00-1 ²³ , 12 ⁰¹ -10 ⁴⁴
24	8	10	10	9.3	Ci,Cs,Ac	Sc	As	1.3	.	1 ⁿ⁻⁶ 40; 6 ⁴⁰ -6 ⁵⁰ , 10 ³⁷ -11 ⁴⁸ , 13 ³⁰ -17 ¹⁵ , 18 ²⁵ -22 ⁰⁷ , 12 ³³ ...24 ⁰⁰
25	10	9	10	9.7	Ns	Sc	As	2.9	.	10 ⁰⁰ ...7 ²² , 8 ⁵⁹ -9 ¹¹ , 17 ⁵³ -17 ⁵⁵ , 19 ¹⁷ -19 ²² , 19 ⁵⁸ -24 ⁰⁰
26	10	6	6	7.3	Sc	Cu,Ci	Ci	0.7	.	0 ⁿ⁻⁰ 00-0 ³³ ; 17 ³⁰ -np
27	9	2	5	5.3	Ac	Ci,Cu	Ac,As	.	.	=na-6 ²⁵ ; 10 ⁰⁴ ...2 ⁴⁷
28	7	10	10	9.0	As	As	Ns	3.5	.	17 ⁵⁰ ; =n-7 ³⁰ ; 11 ⁴⁷ -12 ⁰⁰ , 15 ¹² ...21 ¹⁴ , 22 ⁰³ -23 ²⁸
29	10	3	2	5.0	St	Cu	Cu,Ci	1.5	.	=n-10 ⁵⁰ ; =17 ¹⁰ -21
30	10	10	9	9.7	St	Sc	Sc	2.9	.	10 ⁴⁸ -4 ⁰⁸ , 4 ⁴⁵ -5 ⁰⁷ , 17 ²⁷ ...11 ²⁸ , 12 ⁴³ ...15 ⁴⁸ , 17 ¹² -17 ²⁹ ; =4-11; =14-np
M	8.6	8.1	7.2	8.0				72.9*		* Le total mens - Monthly mean

Octobre - October

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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]										
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M		Max.	Min.	Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	100.6	103.1	105.8	103.2	6.0	7.0	9.6	7.6	7.6	10.2	5.6	4.6	3.9	10.0	11.3	10.0	10.4	97	100	95	96	97	ESE	2	ENE	1	ENE	1	1.3
2	109.4	111.6	112.9	111.3	6.5	5.0	9.3	4.3	6.3	9.8	4.3	5.5	1.1	8.4	8.5	7.6	8.2	92	97	72	92	88	NNE	2	NNE	2	C	0	1.3
3	112.4	109.5	106.8	105.6	2.1	4.8	8.7	10.2	6.4	10.2	1.8	8.4	-1.0	8.2	10.5	12.4	10.4	95	95	93	100	96	E	1	E	2	SE	1	1.3
4	100.5	98.1	94.5	97.7	12.1	11.7	17.1	14.0	13.7	18.1	10.2	7.9	9.8	13.7	16.7	15.8	15.4	100	100	86	99	96	E	1	S	2	C	0	1.0
5	99.1	102.4	103.0	101.5	11.0	7.6	9.4	6.0	8.5	14.7	6.0	8.7	3.0	10.1	10.1	8.5	9.6	100	97	85	91	93	WSW	2	WSW	2	SSW	2	2.0
6	94.3	96.3	102.2	97.6	7.8	10.7	10.7	9.4	9.6	13.0	5.8	7.2	3.0	12.7	12.9	11.8	12.5	92	99	100	100	98	WSW	3	NNW	1	C	0	1.3
7	105.6	111.3	112.9	111.3	6.4	9.2	13.2	12.8	10.4	14.5	6.3	8.2	3.5	11.6	14.5	13.2	13.1	100	100	95	89	96	SSW	1	W	1	W	1	1.0
8	114.1	113.6	111.8	113.2	7.6	7.0	18.1	12.4	11.3	18.5	6.7	11.8	3.0	10.0	13.3	13.5	12.3	97	100	64	94	89	C	0	SSW	2	SSE	2	1.3
9	111.3	111.0	110.6	111.0	9.9	8.6	20.5	11.4	12.6	20.6	8.0	12.6	4.0	11.2	15.4	12.8	13.1	96	100	64	95	89	S	2	WSW	1	C	0	1.0
10	110.0	111.4	114.4	111.9	8.7	9.3	18.4	12.1	12.1	18.6	8.1	10.5	3.6	11.7	15.5	13.3	13.5	97	100	73	94	91	SSW	1	W	1	C	0	0.7
11	119.1	119.7	119.3	119.4	8.1	6.6	14.0	5.0	5.4	15.7	5.2	10.5	4.0	9.7	13.0	10.8	11.2	96	100	81	95	93	C	0	C	0	C	0	0.0
12	120.3	120.5	121.2	120.7	6.2	5.1	13.8	7.3	8.1	14.7	5.1	9.6	3.0	8.8	12.1	9.8	10.2	97	100	77	96	92	C	0	W	1	C	0	0.3
13	121.8	120.1	118.2	120.0	2.4	2.7	16.1	7.9	7.3	16.5	1.4	15.1	0.0	7.4	11.3	10.0	9.6	96	100	62	94	88	C	0	S	2	C	0	0.7
14	114.7	112.2	110.4	112.4	3.7	2.5	16.9	8.0	7.8	17.8	2.1	15.7	-0.9	6.9	11.5	10.1	9.5	92	93	60	94	85	C	0	SSE	1	C	0	0.3
15	102.5	108.4	108.4	102.4	7.6	5.0	10.6	10.0	8.3	11.1	5.0	6.1	1.1	8.7	11.5	11.8	10.7	97	100	90	96	96	C	0	WSW	1	W	1	0.7
16	102.0	106.3	105.3	106.5	9.6	8.7	11.0	5.6	9.7	11.0	8.7	2.3	7.7	10.9	10.8	10.4	10.7	95	97	83	87	90	C	0	S	1	C	0	0.3
17	99.6	98.1	95.0	98.9	8.8	8.9	11.3	8.6	9.4	12.0	8.6	3.4	4.4	9.9	10.3	10.2	10.1	89	86	77	92	86	SSE	1	S	2	ESE	1	1.3
18	103.1	104.9	106.6	104.9	4.0	2.3	7.8	6.2	5.1	8.7	2.3	6.4	-0.4	7.2	10.1	9.5	8.9	97	100	96	100	98	C	0	C	0	C	0	0.0
19	110.5	111.8	110.7	111.0	7.7	8.1	10.5	4.3	7.6	11.0	4.3	6.7	1.3	10.6	8.7	7.9	9.1	99	99	69	95	90	C	0	WNW	2	C	0	0.7
20	107.7	105.2	101.4	104.8	3.0	4.7	9.0	8.2	6.2	9.3	1.1	8.2	-1.9	8.4	10.4	10.0	9.6	97	98	90	92	94	S	1	SW	2	SSW	2	1.7
21	91.9	93.6	97.8	94.4	7.7	6.5	6.7	0.4	5.3	8.3	0.4	7.9	-2.9	9.2	6.5	5.3	7.0	53	96	67	84	85	W	3	W	5	WSW	1	3.0
22	97.7	96.5	92.4	95.5	1.7	0.9	6.4	4.9	3.5	7.0	0.2	6.8	-2.9	6.1	7.0	7.7	6.9	99	94	73	89	89	WSW	2	WSW	3	WSW	2	2.3
23	99.5	102.8	105.3	102.5	3.6	0.9	7.2	7.0	4.7	7.5	0.2	7.3	-2.8	6.5	6.8	8.7	7.3	96	100	67	87	88	W	1	WSW	2	WSW	2	1.7
24	109.6	108.2	105.1	107.6	6.7	7.8	12.9	10.2	9.4	13.1	6.1	7.0	4.0	9.5	9.0	8.7	9.1	87	90	61	70	77	SSW	1	SW	3	SW	2	2.0
25	98.8	97.9	97.5	98.1	10.7	9.9	8.4	6.4	8.8	11.0	6.2	4.8	4.4	11.7	9.8	9.0	10.2	72	96	89	94	88	SW	3	WSW	2	WSW	1	2.0
26	101.1	102.4	102.2	103.2	5.2	4.2	7.6	0.4	4.4	8.5	0.4	8.1	-2.8	7.4	6.2	5.9	6.5	84	90	60	94	82	W	2	WNW	2	C	0	1.3
27	113.8	114.4	114.9	114.4	-1.2	-2.1	6.2	-0.7	0.6	7.5	-2.3	9.8	-6.3	5.2	6.8	5.6	5.9	96	100	72	97	91	W	1	NNW	2	C	0	1.0
28	112.3	109.7	106.6	109.5	-2.0	0.3	4.9	6.0	2.3	6.2	-2.2	8.4	-5.1	6.0	8.0	9.2	7.7	96	96	92	98	96	S	1	SSW	2	SSW	1	1.3
29	106.4	106.0	106.9	106.4	8.2	9.2	10.6	10.8	9.7	11.0	6.0	5.0	5.5	11.3	11.2	12.6	11.7	98	97	87	97	95	W	2	W	3	W	3	2.7
30	107.1	107.5	109.3	108.0	11.0	9.6	10.9	9.6	10.3	11.3	9.1	2.2	8.0	11.5	11.2	11.3	11.3	98	96	86	95	94	WSW	2	W	2	W	1	1.7
31	111.9	114.0	116.5	114.1	9.5	9.6	10.6	9.4	9.8	11.0	9.4	1.6	8.2	11.3	11.5	11.5	11.4	96	95	90	97	94	W	1	W	2	C	0	1.0
M	107.2	107.4	107.5	107.4	6.5	6.2	11.2	7.9	8.0	12.2	4.5	7.7	1.9	9.4	10.7	10.2	10.1	95	97	79	93	91		1.2		1.8		0.8	1.3

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978

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Octobre - October

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	St	St	1.4	.	=na-13 ¹⁰ , 0 ¹³ -7 ²⁷ , 0 ²⁰ -6 ⁰⁰ , 0 ⁷ -5 ¹⁴ , 0 ¹⁵ -3 ⁷ -18 ⁰⁸
2	10	10	0	6.7	Ns	Ac	.	0.2	.	0 ⁰⁰ -7 ²⁵ , 16 ²⁶ -17 ⁴⁵ , 17 ⁴⁵ -np
3	10	10	10	10.0	St	St	St	0.7	.	0 ⁵⁹ -5 ⁵¹ , 0 ⁶ -5 ⁰⁰ , 0 ¹³ -0 ⁰⁹ , 17 ³⁵ , 0 ¹⁸ -10 ²⁰ -5 ⁰
4	10	9	9	9.3	St	As, Ac	Sc, Cb	8.7	.	=n-6 ³⁵ , 6 ³⁵ -8 ⁰⁵ , 17 ¹⁰ -np, 0 ³¹ -9 ⁴² , 0 ¹² -4 ⁵ ...17 ³⁰ , 0 ⁻¹ 19 ¹⁰ -21 ⁵³ , (K) 0 ⁵ 18 ⁴⁵ -SE-E19 ⁴³ , 0 ⁻¹ 23 ⁴⁸ -24 ⁰⁰
5	10	10	0	6.7	Ns	Sc	.	4.1	.	0 ⁻¹ 0 ⁰⁰ -5 ⁰⁰ , 0 ⁰⁰ -5 ⁵⁸ , 0 ⁵⁸ -6 ³² , 0 ⁹ 08-9 ¹² , 0 ⁹ 51-11 ¹² , 0 ¹³ 01-13 ¹⁸ , 0 ²¹ 53-24 ⁰⁰
6	10	10	10	10.0	Ns	Ns	Sc	4.6	.	0 ⁻¹ 0 ⁰⁰ -10 ⁵⁵ , 1 ¹⁰ 55-12 ³⁵ , 0 ⁻¹ 12 ³⁵ -14 ²⁰
7	10	10	9	9.7	Sc	Sc	Sc	0.1	.	=n-8 ¹ 0 ⁴⁸ -3 ⁵¹ , 0 ³³ 05, 0 ³⁵ 50, 0 ¹⁰ 39-11 ⁰⁰ , 0 ¹¹ 50...12 ²⁴
8	0	2	0	0.7	.	Cu	.	.	.	=1 ^{na} -6 ¹⁰ , 1 ⁻¹ 0 ³⁰ -6 ⁴⁰ , 2 ¹⁰ -np, 2 ¹⁰ -6 ³⁰ , 2 ¹⁰ -21 ⁰⁰ , 1 ¹⁶ -np
9	0	0	0	0.0	.	.	.	.	.	=0 ^{na} -7 ⁵⁰ , 1 ¹⁵ 45-np, 1 ¹⁶ -np
10	4	9	9	7.3	Ca, Cl	Ac, As	Ac	.	.	0 ⁵ 40-9 ¹² , 1 ¹⁵ 45-np, 1 ¹⁶ -np
11	10	0	0	3.3	=2	.	.	.	.	=2 ^{na} -6 ¹⁰ , 1 ¹⁸ 10-8 ⁴⁰ , 1 ⁰⁸ 40-9 ⁰⁵ , 9 ⁰⁵ -9 ⁵⁰ , 1 ¹⁵ 20-np, 1 ¹⁵ 30-np
12	10	4	4	6.0	=2	Cl, Ca	Cl, Ca	.	.	=2 ^{na} -9 ³⁰ , 1 ⁹ 30-10 ⁰⁰ , 1 ¹⁹ 00-20 ¹⁰ , 1 ²⁰ 10-21 ⁰⁰ , 2 ²¹ -np, 10-11 ¹⁵ , 17-19, 15 ⁵⁵ -17 ¹ , 1 ¹⁶ -np
13	10	1	1	4.0	=2	Cl	Cl	.	.	=2 ^{na} -6 ⁵⁰ , 1 ⁶ 50-7 ¹⁰ , 7 ¹⁰ -7 ²⁷ , 7 ²⁷ -8 ²⁰ , 16 ⁴⁰ -20 ¹⁵
14	0	0	0	0.0	.	.	.	0.1	.	=n-6 ⁵⁵ , 1 ¹⁵ 48-np, 0 ⁿ -6 ²⁵
15	10	10	10	10.0	=2	St	St	0.1	.	=2 ^{na} -7 ²⁰ , 1 ⁷ 20-8 ³⁵ , 8 ³⁵ -9 ⁵⁰ , 9 ⁵⁰ -p-np, 0 ¹⁰ 49-22 ⁴⁶
16	10	10	10	10.0	St	St	St	0.0	.	=na-9 ¹⁰ , 0 ⁴ 06-5 ¹³ , 0 ⁸ 05-8 ¹⁰ , 0 ⁸ 40-9 ⁵⁵
17	10	10	0	6.7	St	St	.	.	.	=17 ⁴⁰ -np
18	0	10	10	6.7	.	St	=2	0.1	.	=n-6 ⁴⁵ , 1 ¹² 30-14 ³⁰ , 1 ¹⁹ 30-np, 0 ⁶ 45-8 ¹⁵ , 1 ¹⁸ 15-11 ²⁰ , 1 ¹¹ 20-12 ³⁰ , 1 ¹⁴ 30-15 ⁰⁰ , 2 ¹⁵ 00-18 ³⁰ , 1 ¹⁸ 30-19 ³⁰
19	10	9	7	8.7	St	Ac	Ac, As	0.7	.	=na-8 ¹ , 16 ⁴⁰ -np, 0 ⁵⁸ 13, 0 ⁶ 30...6 ⁵⁶
20	10	10	10	10.0	St	Ns	St	3.3	.	=n-7 ⁴⁰ , 0 ¹ 50-4 ⁵⁸ , 0 ⁷ 33...12 ⁵⁵ , 0 ²⁰ 16...21 ⁰⁰ , 0 ²¹ 15-21 ⁴⁵ , 0 ²² 01-22 ¹² , 0 ⁶ 25-6 ³⁸ , 0 ¹⁶ 56-17 ¹⁸
21	4	10	0	4.7	Cu	Sc	.	2.1	.	0 ⁻¹ 14-4 ⁵⁰ , 0 ⁶ 40...10 ³¹ , 0 ¹¹ 25-12 ²² , 0 ¹⁹ 57-20 ⁰⁷ , 0 ²⁰ 19-21 ²⁴ , 0 ⁻¹ 21 ⁴⁵ -22 ⁴⁸ , 0 ²³ 09-23 ²² , 0 ⁻¹ 13 ²⁵ -13 ⁵⁵ , 0 ⁻¹ 21 ²⁴ -21 ⁴⁵ , (K) NE13 ³⁹ , ENE-13 ⁴⁶ , 0 ¹⁸ 05-np
22	1	9	8	6.0	Cu	Ac, Cu	Sc	3.4	.	0 ¹¹ 41...12 ²⁴ , 0 ¹⁴ 04...15 ⁵⁸ , 0 ¹⁶ 56-18 ⁴⁵ , 0 ⁻¹ 18 ⁴⁵ -23 ⁰⁰
23	10	9	10	9.7	Ac	Ac, Cu	Sc	0.2	.	=na-7 ³⁰ , 0 ⁰ 18-0 ³² , 0 ¹² 44-16 ⁵⁶
24	10	8	5	7.7	Sc, Ac	Cl, Ca, Cc, Cu	Cl, Ca	0.6	.	0 ²⁰ 23-21 ⁵⁷
25	10	10	10	10.0	Ns	Sc, Cb	Sc, Cb	5.5	.	0 ⁵⁰ ...8 ²⁴ , 0 ⁻¹ 10 ⁵² ...13 ⁵⁶ , 0 ⁻¹ 15 ⁰⁶ -16 ⁰⁵ , 0 ¹⁷ 44-18 ⁰⁶ , 0 ²³ 26-23 ²⁸ , 0 ²³ 47-24 ¹³
26	7	5	1	4.3	Sc, Cu	Cu	Cu	0.0	.	0 ¹⁰ 51-1 ¹⁸ , 0 ⁵ 35...5 ⁵² , 0 ⁶ 02-6 ⁰⁵ , 0 ¹³ 40-14 ²⁷
27	0	7	3	3.3	.	Cu	Ac	2.7	.	=n-7 ¹² , 0 ¹² 30-12 ⁴⁷ , 0 ¹² 55-13 ⁰⁸ , 0 ¹³ 22-13 ⁵⁵ , 0 ¹⁴ 59-15 ⁰¹ , 0 ¹⁵ 15-15 ¹⁸ , 0 ¹³ 08-13 ¹¹ , 1 ⁻² 13 ¹¹ -13 ²² , 1 ¹⁶ 10-17 ¹ , 1 ¹⁷ -21
28	10	10	10	10.0	St	St	Ns	1.5	.	=n-6 ²⁵ , 0 ¹² 41-13 ¹⁸ , 0 ¹³ 55-14 ⁰¹ , 0 ¹⁵ 36-24 ⁰⁰
29	10	10	10	10.0	St	Sc	St	0.7	.	0 ⁰⁰ -1 ²⁴ , 0 ² 50-10 ⁵⁴ , 0 ¹² 54-18 ⁰⁷ , 0 ²² 54-24 ⁰⁰ , =n-a-p-np
30	10	10	10	10.0	St	Sc	St	0.4	.	0 ⁰⁰ ...9 ⁰⁷ , 0 ¹⁶ 25-16 ³² , 0 ¹⁷ 27-17 ³⁷ , 0 ¹⁹ 52...21 ¹³ , 0 ⁹ 18...10 ⁴⁶ , 0 ¹¹ 43...14 ³⁹
31	10	10	10	10.0	St	St	Sc	2.3	.	0 ²⁴ 6-3 ⁴³ , 0 ¹² 45-12 ⁴⁸ , 0 ¹³ 25-13 ³⁶ , 0 ⁻¹ 14 ⁵⁶ -17 ⁰⁷ , 17 ¹⁵ -np
M	7.6	7.8	6.0	7.1				43.5*		* Le total mens - Monthly mean

Novembre - November

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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]									
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M		Max.	Min.	Ampl.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M		
1	120.5	121.5	123.0	121.7	8.2	8.5	10.5	8.4	8.9	10.7	8.2	2.5	7.3	10.9	11.2	10.9	11.0	98	99	88	99	96	C	0	S	1	C	0	0.3
2	122.9	121.2	120.3	121.5	5.6	2.2	11.8	5.4	6.2	12.8	2.2	10.6	0.3	6.9	11.7	9.0	9.2	95	96	84	100	94	C	0	S	2	S	1	1.0
3	117.5	116.8	117.4	117.2	3.3	2.5	11.2	4.1	5.3	11.3	2.3	9.0	-0.9	7.3	10.0	7.9	8.4	99	100	75	97	93	SSE	1	WSW	2	C	0	1.0
4	117.1	116.3	116.8	116.7	1.1	3.0	9.2	7.7	5.2	9.4	0.8	8.6	-2.1	7.4	8.7	8.4	8.2	97	98	75	80	88	SSW	1	SSW	3	SW	1	1.7
5	118.9	119.2	119.7	119.3	7.5	7.4	11.1	5.3	7.8	11.5	5.3	6.2	1.5	10.0	9.6	8.3	9.3	91	97	73	94	89	WSW	1	W	2	WSW	1	1.3
6	118.2	117.1	118.3	117.9	7.0	7.8	9.6	8.3	8.2	10.2	5.3	4.9	1.7	9.4	10.1	10.6	10.0	88	89	84	97	90	W	2	W	2	W	2	2.0
7	121.0	122.3	123.5	122.3	8.6	8.6	10.7	5.0	8.2	11.0	5.0	6.0	1.1	10.9	11.4	8.3	10.2	96	97	89	95	94	C	0	W	1	C	0	0.3
8	122.3	120.4	118.9	120.5	7.0	6.3	6.2	6.2	6.4	7.2	4.9	2.3	1.8	9.5	9.0	8.9	9.1	98	100	95	94	97	SSE	2	S	1	SSW	1	1.3
9	118.8	118.7	119.4	119.0	2.1	3.5	4.3	0.3	2.6	6.2	0.3	5.9	-2.4	7.7	7.1	6.0	6.9	94	98	85	96	93	WSW	1	WSW	1	C	0	0.7
10	119.5	118.6	117.2	118.4	2.3	2.5	5.2	5.1	3.8	5.6	0.3	5.3	-1.8	7.2	8.6	8.5	8.1	99	98	97	97	98	S	1	C	0	S	1	0.7
11	116.4	116.6	118.6	117.2	4.2	0.7	1.9	1.1	2.0	5.2	0.4	4.8	0.2	6.3	6.4	6.2	6.3	95	98	91	94	94	SW	1	WSW	1	W	1	1.0
12	119.3	118.7	116.9	118.3	0.8	0.6	0.7	1.0	0.8	1.1	0.6	0.5	-0.2	5.6	5.7	5.4	5.6	92	88	88	83	88	C	0	SSE	1	SSE	2	1.0
13	116.0	115.5	115.2	115.6	0.0	-0.1	4.0	-0.3	0.9	4.0	-0.7	4.7	-3.5	5.7	5.9	5.7	5.8	89	94	72	96	88	SSW	2	S	2	S	1	1.7
14	119.4	120.8	120.1	120.1	-1.2	1.5	4.5	1.9	1.7	4.6	-1.7	6.3	-5.4	6.5	7.6	6.7	6.9	97	96	90	96	95	SSW	1	WSW	1	S	1	1.0
15	114.5	113.9	113.1	113.8	2.9	5.3	9.0	7.7	6.2	9.3	1.5	7.8	-1.2	7.4	8.7	8.0	8.0	100	83	76	76	84	WSW	3	SW	2	SSW	1	2.0
16	107.2	106.6	109.2	107.7	2.0	2.1	9.7	7.4	5.3	10.0	0.8	9.2	-2.1	6.1	7.0	8.0	7.0	95	85	58	77	79	S	1	WSW	2	WSW	2	1.7
17	114.3	113.9	112.6	113.6	5.6	2.6	8.0	7.3	5.9	8.2	2.6	5.6	-0.6	6.3	7.2	8.3	7.3	75	86	67	81	77	WSW	2	WSW	2	WSW	3	2.3
18	113.8	112.1	110.2	112.0	7.8	7.1	9.6	8.2	8.2	10.0	7.0	3.0	5.4	9.1	9.2	8.0	8.8	87	90	77	74	82	SW	2	SW	2	SSW	2	2.0
19	109.7	109.2	108.0	109.0	8.4	8.3	9.8	6.6	8.3	10.4	6.6	3.8	2.2	8.1	8.1	6.9	7.7	72	74	67	71	71	SSW	1	SSW	1	SSW	1	1.0
20	103.4	104.1	109.3	105.6	2.1	0.3	8.5	6.4	4.3	8.6	0.3	8.3	-1.9	5.5	7.1	8.0	6.9	79	88	64	84	79	S	2	WSW	2	WSW	1	1.7
21	114.9	116.2	116.5	115.9	2.1	0.1	5.6	1.7	2.4	6.4	0.1	6.3	-5.0	6.0	8.0	6.8	6.9	98	98	88	98	96	SSW	1	WSW	1	SSW	1	1.0
22	115.9	113.9	114.8	114.9	2.4	4.5	7.8	9.4	6.0	9.4	1.3	8.1	-3.5	7.5	9.5	10.8	9.3	95	89	90	92	92	SSW	1	SW	2	WSW	3	2.0
23	110.6	111.5	113.6	111.9	9.6	9.9	11.0	8.0	9.6	11.2	8.0	3.2	5.4	9.5	10.2	9.8	9.8	89	78	78	92	84	WSW	3	WSW	4	WSW	2	3.0
24	112.0	109.2	107.4	109.5	4.2	8.4	10.3	9.2	8.0	11.0	3.8	7.2	-0.3	10.7	9.7	9.2	9.9	96	97	77	79	87	SW	3	SW	2	WSW	2	2.3
25	106.0	103.1	102.1	103.7	8.5	7.4	9.0	2.7	6.9	9.6	2.7	6.9	-2.4	8.1	7.7	7.0	7.6	77	79	67	95	80	SSW	2	SSW	2	S	1	1.7
26	102.0	102.1	102.5	102.2	2.6	3.7	3.7	3.1	3.3	4.0	0.3	3.7	-3.5	7.3	7.0	7.0	7.1	98	92	88	91	92	S	1	SSE	2	S	1	1.3
27	100.2	97.5	95.5	97.7	1.8	0.3	0.7	0.2	0.8	3.1	0.2	2.9	-0.9	5.9	6.3	6.1	6.1	92	94	98	98	96	SSE	2	S	1	C	0	1.0
28	89.1	89.5	93.3	90.6	0.1	0.3	1.0	0.3	0.4	1.5	0.1	1.4	-0.9	6.2	6.6	6.1	6.3	99	100	100	98	99	C	0	C	0	C	0	0.0
29	87.9	87.9	90.2	88.7	0.4	1.7	2.7	1.5	1.6	4.4	0.3	4.1	0.1	6.8	7.3	5.9	6.7	98	98	98	87	95	N	3	ESE	3	E	2	2.7
30	93.8	94.5	96.0	94.8	0.4	-0.7	2.4	3.7	1.4	3.9	-1.3	5.2	-5.0	5.7	7.1	7.8	6.9	86	98	98	98	95	C	0	N	1	NNE	1	0.7
M	112.1	111.6	112.0	111.9	3.9	3.9	7.0	4.8	4.9	7.7	2.2	5.5	-0.6	7.6	8.3	7.8	7.9	92	93	83	90	90		1.3		1.6		1.2	1.4

Novembre - November

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	St	St	.	.	$\equiv n-8^{40}, \equiv 18^{40}-np; \equiv 8^{40}-18^{40}, \equiv 0^{40}-np$
2	10	0	0	3.3	$\equiv^2$	.	.	.	.	$\equiv n-5^{15} \equiv 2^{15}-9^{15} \equiv 9^{15}-10^{30}; \equiv 14^{12}-15^{15}; \equiv 15-15^{40}; \equiv 15^{40}-17^{25}; \equiv 17^{25}-np$
3	0	0	0	0.0	.	.	.	.	.	$\equiv n-6^{55}, \equiv 6^{55}-8^{10}; \equiv 8^{10}-11^{40}; \equiv 16^{15}-np$
4	10	4	10	8.0	St	Cl, Cs	Cl, Cs	0.0	.	$\equiv n-7^{25} \equiv 7^{25}-7^{55}; \equiv 7^{55}-9^{35}$
5	10	7	6	7.7	St	Ac	Cu	.	.	$\equiv na-9^{10}; \equiv 2^{06}-2^{44}; \equiv 17^{40}-np$
6	10	10	10	10.0	St	St	St	0.1	.	$\equiv 12^{57}-17^{41}, \equiv 23^{16}-23^{47}$
7	10	10	10	10.0	St	St	Ac	0.0	.	$\equiv n-9^{18}, \equiv 14^{20}-17^{40}; \equiv 0^{24}-5^{26}; \equiv 17^{40}-np$
8	10	10	10	10.0	St	St	St	0.0	.	$\equiv n-6^{25}, \equiv 6^{25}-9^{25}; \equiv 4^{58}-7^{03}; \equiv 9^{25}-11^{15}$
9	10	10	10	10.0	St	St	Cs	0.0	.	$\equiv n-16^{15}, \equiv 16^{15}-np; \equiv 1^{23}-8^{57}, \equiv 9^{30}-9^{44}$
10	10	10	10	10.0	St	St	St	0.0	.	$\equiv n-10^{10}; \equiv 10^{10}-17^{10}, \equiv 0^{01}-4^{15}$
11	10	10	10	10.0	St	St	St	0.0	.	$\equiv 2^{31}-5^{34}, \equiv 16^{46}-17^{47}, \equiv 18^{15}-19^{18}; \equiv 9^{20}-16$
12	10	10	10	10.0	St	St	St	0.0	.	$\equiv n-16; \equiv 12^{46}-13^{31}$
13	10	0	0	3.3	St	.	.	.	.	$\equiv na-8, \equiv 14^{40}-np; \equiv 16^{10}-np$
14	10	10	0	6.7	St	St	.	.	.	$\equiv n-13$
15	4	10	0	4.7	Cl, Cs	Sc	.	0.0	.	$\equiv 13^{03}-14^{59}$
16	0	10	9	6.3	.	Sc	Ac	.	.	$\equiv n-7^{50}$
17	0	1	10	3.7	.	Cu	St	0.0	.	$\equiv 16^{51}-17^{00}, \equiv 17^{20}-17^{30}, \equiv 17^{42}-17^{53}, \equiv 18^{25}-18^{56}$
18	10	9	8	9.0	St	Ac, Cu, Cl, Cs	Sc, Cu	0.0	.	$\equiv 1^{36}-4^{45}, \equiv 5^{31}-5^{58}, \equiv 8^{45}-9^{18}, \equiv 10^{12}-11^{25}, \equiv 16^{10}-16^{13}, \equiv 22^{58}-23^{04}, \equiv 23^{51} \dots 24^{00}$
19	10	10	3	7.7	As, Ac	Sc	Cu	0.0	.	$\equiv 0^{00} \dots 1^{10}, \equiv 7^{40}-7^{57}, \equiv 11^{20}-11^{25}, \equiv 12^{18}-12^{49}$
20	0	10	0	3.3	.	St	.	.	.	$\equiv n-8; \equiv n-7^{50}$
21	2	8	1	3.7	Cl	As, Cu	Ac	0.2	.	$\equiv n-7^{35}, \equiv 1^{17}-30-np; \equiv n-7^{15}, \equiv 8^{30}-9^{55}, \equiv 14^{20}-16^{15}; \equiv 7^{15}-8^{30}, \equiv 23^{50}-23^{54}$
22	10	10	10	10.0	Ns	Ns	Ns	0.8	.	$\equiv 0-1^{13} \dots 8^{32}, \equiv 9^{27}-10^{47}, \equiv 12^{08}-12^{14}, \equiv 12^{25}-16^{26}, \equiv 18^{09}-19^{50}, \equiv 23^{17}-23^{19}, \equiv 23^{45}-24^{00}$
23	10	10	7	9.0	Sc	Ns	Ac, As	4.8	.	$\equiv 0^{00}-1^{15}, \equiv 11^{06}-12^{01}, \equiv 12^{04}-14^{35}, \equiv 15^{05}-15^{55}, \equiv 16^{08}-16^{17}$
24	10	7	9	8.7	Ns	Cl, Cu	Sc	0.0	.	$\equiv 0^{11}-0^{14}, \equiv 0^{28}-1^{13}, \equiv 1^{49}-6^{02}$
25	10	5	0	5.0	Sc	Ac, Cu	.	.	.	.
26	10	10	4	8.0	St	St	Cu	0.0	.	$\equiv 11^{23}-11^{40}, \equiv 14^{31}-15^{05}$
27	10	10	10	10.0	Ns	Ns	Ns	18.9	.	$\equiv 1^{15} \dots 3^{37}, \equiv 4^{14}-14^{23}, \equiv 14^{50}-17^{01}, \equiv 17^{01}-22^{42}, \equiv 1^{12242}-24^{00}$
28	10	10	10	10.0	Ns	Ns	Ns	10.8	12	$\equiv 1^{00}-10^{39}, \equiv 10^{48} \dots 10^{57}, \equiv 10-13; \equiv 13-np; \equiv 22^{55}-24^{00}$
29	10	10	10	10.0	Ns	Ns	St	2.9	9	$\equiv 0^{00}-0^{23}, \equiv 1^{23}-8^{46}, \equiv 8^{46}-10^{18}$
30	10	10	10	10.0	As	St	Ns	2.0	5	$\equiv n-np; \equiv 8^{03}-8^{10}, \equiv 14^{34}-14^{48}, \equiv 17^{27}-22^{30}, \equiv 22^{50}-23^{00}, \equiv 23^{13}-24^{00}$
M	8.2	8.0	6.6	7.6				40.5*		*Le total mens - Monthly mean

Décembre - December

LES ELEMENTS MÉTÉOROLOGIQUES - METEOROLOGICAL ELEMENTS

1978
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]								
	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	Max.	Min.	Ampli.	Min.	6 ^h	12 ^h	18 ^h	M	0 ^h	6 ^h	12 ^h	18 ^h	M	6 ^h	12 ^h	18 ^h	M			
1	102.4	105.2	107.0	104.9	4.1	3.4	3.1	2.1	3.2	4.5	2.1	2.4	2.0	7.5	7.5	7.0	7.3	99	97	98	98	98	ENE	1	ESE	1	ENE	1	1.0
2	108.7	109.8	110.7	109.7	1.8	1.4	0.8	-0.3	0.9	2.1	-0.3	2.4	-0.4	6.2	5.7	5.4	5.8	97	92	88	90	92	N	1	N	1	N	1	1.0
3	111.9	110.3	108.8	110.3	-1.2	-6.4	-3.0	-6.2	-4.2	-0.3	-6.9	6.6	-10.5	3.4	3.0	3.0	3.1	92	89	62	78	80	C	0	NNE	1	NNW	1	0.7
4	110.9	111.0	112.6	111.2	-8.6	-12.9	-8.5	-10.0	-10.0	-6.1	-13.1	7.0	-14.6	2.0	2.1	2.2	2.1	78	88	65	78	77	C	0	NNE	1	C	0	0.3
5	115.2	116.3	117.3	116.3	-9.0	-6.8	-4.7	-4.4	-6.2	-4.0	-10.0	6.0	-10.1	3.1	3.2	3.9	3.4	79	85	74	89	82	WNW	1	N	3	N	2	2.0
6	122.1	121.6	121.4	121.7	-6.6	-11.0	-6.3	-13.1	-9.2	-4.0	-13.1	9.1	-16.2	2.4	2.5	2.0	2.3	76	90	65	88	80	C	0	E	1	C	0	0.3
7	118.6	116.6	116.3	117.2	-14.7	-15.7	-6.1	-10.1	-11.6	-5.5	-15.7	10.2	-18.7	1.6	2.5	2.6	2.2	90	91	66	91	84	C	0	SE	1	E	1	0.7
8	115.5	114.1	111.9	113.8	-12.9	-14.8	-4.0	-8.7	-10.1	-3.6	-14.8	11.2	-18.7	1.8	2.6	2.6	2.3	92	91	57	83	81	C	0	SE	2	ESE	2	1.3
9	103.1	100.3	97.5	100.3	-9.6	-9.4	-4.8	-4.5	-7.1	-3.7	-10.4	6.7	-13.0	2.4	3.0	4.3	3.2	82	79	71	98	82	ESE	2	SSE	3	SSE	1	2.0
10	97.7	100.2	102.8	100.2	-1.7	-3.1	-3.3	-3.1	-2.8	0.7	-4.5	5.2	-5.3	4.6	4.3	4.5	4.5	99	95	90	93	94	N	1	C	0	C	0	0.3
11	105.0	109.2	107.6	108.6	-3.3	-4.5	-4.0	-4.8	-4.2	-3.1	-4.8	1.7	-5.0	4.1	3.7	3.9	3.9	95	93	82	91	90	C	0	E	1	SE	1	0.7
12	97.2	92.9	88.0	92.7	-5.2	-4.6	-1.1	-0.4	-2.8	-0.2	-5.2	5.0	-5.2	3.8	5.0	5.6	4.8	90	88	89	94	90	SE	2	SE	2	SSE	1	1.7
13	81.0	79.2	77.8	79.3	0.9	1.5	2.1	3.5	2.0	4.0	-0.4	4.4	-1.4	6.7	7.1	7.7	7.2	97	98	100	98	98	SSE	2	S	1	SSW	1	1.3
14	76.2	75.6	76.0	75.9	3.0	1.9	3.2	2.5	2.6	3.9	1.4	2.5	-0.8	6.7	7.3	7.2	7.1	98	96	95	98	97	SSW	2	C	0	C	0	0.7
15	77.7	79.6	82.1	79.8	1.4	1.7	4.4	4.1	2.9	4.5	1.0	3.5	-2.1	6.8	7.7	7.5	7.3	97	98	92	92	95	SSW	1	SW	2	SSW	1	1.3
16	85.5	86.4	85.8	85.9	3.0	2.5	3.4	2.3	2.8	4.2	2.3	1.9	-0.2	7.2	7.8	7.2	7.4	95	98	100	100	98	C	0	C	0	C	0	0.0
17	90.7	97.3	103.4	97.1	1.0	-7.5	-8.4	-11.2	-6.5	2.5	-11.2	13.7	-12.6	2.9	2.8	2.1	2.6	98	84	86	79	87	NNW	2	WNW	2	NNW	2	2.0
18	112.6	114.2	115.9	114.2	-13.5	-14.1	-4.3	-6.2	-9.5	-3.5	-15.8	12.3	-17.7	1.8	3.9	3.6	3.1	83	87	89	94	88	C	0	WSW	1	W	1	0.7
19	115.4	113.5	111.9	113.6	-6.6	-4.9	-2.1	-7.6	-5.3	-1.5	-7.6	6.1	-11.1	3.5	3.7	3.2	3.5	95	83	70	93	85	SSW	1	SW	1	C	0	0.7
20	108.8	108.4	109.5	108.9	-5.4	-2.9	0.7	-0.2	-2.0	1.2	-7.9	9.1	-11.3	4.8	5.4	4.8	5.0	96	97	85	80	90	C	0	ENE	1	ENE	1	0.7
21	114.2	117.1	120.3	117.2	-3.5	-6.0	-4.4	-10.6	-6.1	-0.1	-10.6	10.5	-13.6	3.8	2.9	2.4	3.0	94	97	65	87	86	NNE	1	ENE	2	ENE	1	1.3
22	119.5	115.6	111.0	115.4	-11.6	-12.3	-7.2	-7.2	-9.6	-6.4	-12.5	6.1	-15.2	2.0	2.5	2.9	2.5	88	85	71	82	82	ESE	2	ESE	2	SE	2	2.0
23	103.2	101.9	101.8	102.3	-7.7	-8.5	-4.2	-8.2	-7.2	-3.1	-8.6	5.5	-10.9	3.0	3.4	3.1	3.2	83	92	77	95	87	SE	1	SSE	1	C	0	0.7
24	100.9	100.0	99.1	100.0	-5.0	-2.7	0.0	0.0	-1.9	0.6	-8.2	8.8	-10.0	4.3	5.4	5.5	5.1	91	86	88	90	89	C	0	C	0	E	1	0.3
25	97.6	95.9	95.3	96.3	-1.6	-1.3	2.3	1.7	0.3	2.4	-3.1	5.5	-8.1	5.4	5.8	6.9	6.0	100	98	80	100	94	SSE	1	SSE	1	SSE	1	1.0
26	95.3	96.5	97.0	96.3	2.2	2.8	4.1	3.8	3.2	4.4	1.7	2.7	0.4	7.5	7.9	7.9	7.8	98	100	97	98	98	SSW	1	WSW	1	SW	1	1.0
27	89.9	92.2	95.3	92.5	3.4	3.9	3.1	0.3	2.7	4.1	0.3	3.8	-0.3	7.9	7.5	5.9	7.1	93	98	98	94	96	WSW	1	WNW	2	WNW	1	1.3
28	92.4	86.2	81.0	86.5	0.0	-0.1	0.6	2.7	0.8	3.0	-0.1	3.1	-0.9	5.8	6.4	7.4	6.5	100	96	100	100	99	E	1	ESE	2	S	1	1.3
29	92.6	83.1	85.2	87.0	6.0	-5.2	-9.6	-12.5	-5.3	6.5	-12.5	19.0	-10.6	3.9	2.6	2.1	2.9	99	95	88	89	93	N	2	ENE	2	ENE	3	2.3
30	90.5	94.3	96.4	93.7	-15.0	-16.6	-17.9	-17.9	-16.8	-12.5	-19.0	6.5	-18.6	1.3	1.2	1.3	1.3	86	80	79	84	82	ENE	1	ENE	2	ENE	2	1.7
31	91.7	84.7	81.2	85.9	-19.4	-20.9	-21.0	-19.3	-20.2	-17.1	-21.1	4.0	-20.6	0.9	1.0	1.2	1.0	81	82	89	89	85	ENE	2	E	3	E	2	2.3
M	101.5	100.9	100.9	101.1	-4.4	-5.6	-3.1	-4.6	-4.4	-0.8	-7.4	6.6	-9.1	4.2	4.4	4.4	4.3	92	91	82	91	89		0.9		1.4		1.0	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	Ns	St	Ns	0.2	.	=n-10, =11 ⁴⁵ -15, *0 ⁰⁰ -5 ⁴⁵ , *17 ⁴² -20 ⁴⁰ , *6 ¹⁵ ...7 ²⁷ , *8 ³⁴ -8 ⁴³ , *11 ³⁴ -12 ⁰² , *12 ¹³ -12 ⁴⁰
2	10	10	10	10.0	Ns	St	St	0.1	.	*0 ¹² ...10 ²⁰ , *10 ²⁰ -11 ⁰⁹ , *11 ⁰⁹ -11 ¹⁴ , *11 ¹⁴ -11 ⁴⁷ , *14 ²⁴ ...19 ¹⁶ , *19 ⁴⁷ ...23 ¹⁴
3	2	8	2	4.0	Cl	Ac, As	Ac	.	.	⊂ ⁰ _{n-7} ³⁰ , ⊂ ⁰ ₁₆ ³⁰ -np, *0 ²⁸ -1 ²⁵
4	1	3	8	4.0	Ac	Cu	Sc	0.0	.	⊂ ⁰ _{na-np} , *12 ¹⁴ ...17 ⁰⁶ , *18 ⁰⁰ ...23 ⁴⁴
5	10	6	10	8.7	St	Sc, Cu	Sc	0.1	.	⊂ ⁰ _{n-9} , *0 ⁴⁶ ...1 ⁴⁸ , *7 ²⁰ ...10 ³⁰ , *11 ²⁰ -11 ⁵⁶ , *14 ⁵⁶ -18 ⁰⁷ , *18 ⁴⁸ ...24 ⁰⁰
6	10	4	0	4.7	Sc	Cu	.	.	.	*0 ⁰⁰ ...1 ⁰⁹ , =16 ¹⁵ -np, ⊂ ⁰ ₁₆ ⁴⁰ -np
7	5	1	0	2.0	Cl, Cs	Cs	.	.	.	⊂ ¹ _{n-11} ³⁰ , ⊂ ⁰ ₁₁ ³⁰ -np
8	5	0	0	1.7	Cl, Cs	.	.	.	.	⊂ ¹ _{n-10}
9	3	10	10	7.7	Cl	As	Ns	4.2	.	⊂ ⁰ _{n-9} ²⁰ , *0 ⁵⁵ -9 ⁰⁵ , *1 ¹⁵ -13 ²⁴ ⁰⁰
10	10	10	10	10.0	St	Ns	Ns	1.5	3	=n-10 ³⁰ , =11 ¹⁵ -16 ¹⁵ , *0 ⁰⁰ -2 ²¹ , *6 ⁴⁵ -8 ²⁰ , *11 ¹⁴ -12 ¹⁰ , *16 ⁴⁴ -17 ⁰¹ , *17 ⁴³ -22 ²³
11	10	10	10	10.0	St	Ns	Ns	0.0	5	*0 ⁵⁴ ...13 ¹² , *18 ⁰⁰ -24 ⁰⁰
12	10	10	8	9.3	St	As, Ac	As, Ac	1.3	5	*0 ⁰⁰ -1 ⁴⁶ , *17 ³⁷ ...23 ⁰⁰ , *23 ⁰⁰ ...24 ⁰⁰
13	10	10	10	10.0	Ns	St	Ns	3.5	4	=n-8 ¹⁰ , =18 ¹⁰ -8 ⁵⁰ , =2 ⁵⁰ -np, *1 ⁰⁰ ...11 ¹³ , *12 ³⁷ ...17 ⁰⁰ , *18 ³³ -18 ³⁸ , *20 ²⁷ -20 ³² , *20 ⁴⁵ -22 ¹⁸ , *22 ⁰⁹ -24 ⁰⁰
14	10	10	8	9.3	Sc	As, Ac	Ac	0.2	.	=n-9, =12 ⁴⁵ -16 ¹⁵ , *1 ⁰⁰ -2 ²⁹ , *22 ⁰³ ...24 ⁰⁰
15	10	10	10	10.0	St	St	St	2.7	.	=n-np, *0 ⁰⁰ ...0 ¹⁶ , *4 ¹⁵ -4 ³⁰ , *5 ⁵⁵ ...7 ⁰¹ , *8 ⁰⁹ ...11 ¹³ , *11 ³⁶ -12 ⁵⁷ , *13 ³⁶ -14 ¹⁰ , *15 ³³ -16 ⁴⁵ , *20 ²⁵ -24 ⁰⁰
16	10	10	10	10.0	Ns	Ns	= ²	6.0	.	=1 ⁿ⁻⁸ ⁵⁰ , =2 ⁵⁰ -10 ⁰⁰ , =1 ¹⁰ ⁰⁰ -10 ⁴⁵ , =10 ⁴⁵ -13 ²⁰ , =13 ²⁰ -14 ⁰⁵ , =2 ¹⁴ ⁰⁵ -np, *1 ⁰⁰ -11 ⁵⁸ , *1 ¹³ ⁰¹ -18 ¹⁴ , *18 ⁵⁸ ...21 ⁰⁴
17	10	10	0	6.7	Ns	Ns	.	0.2	1	*0 ³³ ...4 ¹² , *8 ⁴⁵ -14 ⁰²
18	9	9	0	6.0	Sc	Sc	.	0.0	1	*9 ⁰⁰ ...9 ³² , *12 ¹⁶ -12 ²²
19	10	5	1	5.3	Ac	Cl	Cl	.	1	.
20	10	10	10	10.0	St	As	As	0.0	1	=n-16
21	10	1	0	3.7	As	Cl	.	.	1	=n-8 ²⁰ , *5 ⁰³ -5 ⁰⁸ , *5 ⁴³ -5 ⁴⁶
22	0	9	2	3.7	.	Cl	Cl	.	.	⊂ ⁰ _{na-np}
23	7	0	1	2.7	Cl, Cs	.	Cl	.	.	=n-9 ³⁰ , ⊂ ⁰ _{n-np}
24	10	10	9	9.7	Ac	Sc	Sc	0.3	.	=8 ¹⁵ -11, =14-17, Δ ⁰ ₇ ⁴⁵ -7 ⁵⁷ , Δ ⁰ ₁ ⁴² -10 ⁵⁴ , Δ ⁰ ₁ ⁰⁷ -11 ³⁴
25	10	7	10	9.0	Sc	Cs, Cu	Sc	0.8	.	*14 ³⁸ -16 ⁰⁵ , *23 ²⁶ -24 ⁰⁰
26	10	10	10	10.0	Ns	St	Ns	3.2	.	=n-np, *0 ⁰⁰ -1 ¹³ , *5 ¹⁵ ...5 ³⁵ , *1 ³⁵ -10 ²² , *15 ⁴⁷ ...19 ²⁵ , *20 ⁴¹ ...22 ⁵⁵ , *11 ⁰⁰ -11 ²³
27	10	10	10	10.0	St	St	St	0.5	.	=n-16 ³⁰ , *1 ⁰ ¹³ ...5 ²³ , *5 ³² ...10 ²⁶ , *11 ⁰⁵ -12 ¹⁴ , *13 ²⁹ ...15 ⁰⁴ , *21 ⁴³ ...22 ⁴⁶
28	10	10	10	10.0	St	Ns	Ns	7.4	.	=n-np, *2 ¹⁶ ...3 ⁵⁶ , *4 ⁰³ -4 ³⁵ , *20 ²² -24 ⁰⁰ , *1 ⁵³ -11 ⁵⁰ , *11 ⁵⁰ -12 ⁵⁶ , *14 ²⁴ -20 ¹⁴
29	10	10	10	10.0	St	Ns	Ns	9.7	.	*0 ⁰⁰ -8 ²⁴ , Δ ¹ ₈ ²⁴ -np
30	10	10	10	10.0	Sc	Ns	Ns	5.5	5	*1 ⁿ , *9 ⁵⁵ ...10 ¹⁵ , *17 ⁵⁸ -24 ⁰⁰
31	10	10	10	10.0	Ns	Ns	Ns	12.9	12	*1 ⁰ ⁰⁰ -24 ⁰⁰
M	8.5	7.8	6.7	7.7				60.3*		*Le total mens - Monthly mean

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Państwowe Wydawnictwo Naukowe
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continued:

- 80 Électricité atmosphérique et météorologie Observatoire Géophysique de St. Kalinowski à Świd-
der 1973; PWN, Warszawa 1974.
- 81 Michnowski S., Badania zmian pola elektrycznego po wyładowaniach atmosferycznych; PWN,
Warszawa 1974.
- 89 The international comparison of ozone spectrophotometers, Belak, 24 June – 6 July 1974;
PWN, Warszawa 1975.
- 90 The KAPG symposium on atmospheric ozone, Belak, July 8, 1974; PWN, Warszawa 1975.
- 91 Atmospheric ozone, optics of atmosphere, solar radiation, Belak 1974; PWN, Warszawa 1975.
- 92 Électricité atmosphérique et météorologie Observatoire Géophysique de St. Kalinowski
à Świd-der 1974; PWN, Warszawa 1976.
- D-1 (99) Papers on atmospheric electricity 1975; PWN, Warszawa 1976.
- D-2 (104) Électricité atmosphérique et météorologie Observatoire Géophysique de St. Kalinowski a
Świd-der 1975; PWN, Warszawa 1976.
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1978.
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der 1977; PWN, Warszawa-Łódź 1979.
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1979.

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- 7 Cha-Pa observatory atmospheric electricity and radioactivity data 1958–1959; PWN, Warszawa 1965.
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- 11 Słomka J., Badania dopływu promieniowania słonecznego w zakresach widma ważnych dla procesów energetycznych i biologicznych; PWN, Łódź-Warszawa 1966.
- 13 Ozon atmosferyczny i optyka atmosfery, Belk 1965; PWN, Łódź-Warszawa 1966.
- 19 Atmospheric ozone and optics of atmosphere, Belk 1966; PWN, Warszawa 1967.
- 23 L'électricité atmosphérique et météorologie de l'Observatoire Géophysique de St. Kalinowski à Świdler 1966; PWN, Warszawa 1968.
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- 75 Atmospheric ozone, optics of atmosphere, solar radiation, Belk 1973; PWN, Warszawa 1974.
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