

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS **JULY** / **JUILLET** 19 **89**

AT/A **WINNIPEG INT'L AIRPORT / AEROPORT INTERN. DE WINNIPEG**

LAT. 49° 54' N LONG. 97° 14' W		ELEVATION ALTITUDE 239.6		METRES (ASL) MÉTRES (NMM)		STANDARD TIME USED HEURE NORMALE UTILISÉE CENTRAL											
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS			REL HUMIDITY HUMIDITÉ REL		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE HOURS HEURES
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFÉ	GROWING DE CROISSANCE	COOLING DE RÉFÉRIERATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. PRÉCIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DIRECTION DOMINANTE	MAX 2 MIN MEAN SPEED & DIRECTION VITESSE MOYENNE MAX SUR 2 MIN & DIRECTION	
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	BASE 18.0°C	%	%	mm	cm	mm	cm	km/h		km/h		
1	30.9	19.0	25.0		20.0	7.0	91	58					21.3	S	SSE33	15.3	
2	27.0	17.1	22.1		17.1	4.1	88	50	TR.		TR.		13.9	WNW	WNW26	12.0	
3	25.9	15.2	20.6		15.6	2.6	88	52					12.9	W	WNW26	15.6	
4	32.2	14.7	23.5		18.5	5.5	96	49					20.2	S	S 33	14.7	
5	28.3	19.0	23.7		18.7	5.7	92	64	1	14.0	14.0		16.0	NE	S 30	7.9	
6	24.2	13.0	18.6		13.6	0.6	92	52					12.4	NNW	NNW22*	13.5	
7	27.1	13.3	20.2		15.2	2.2	89	55	TR.		TR.		15.1	S	S 26	12.7	
8	25.2	16.8	21.0		16.0	3.0	91	71	1	2.0	2.0		10.6	S	S 19*	3.5	
9	26.9	15.6	21.3		16.3	3.3	96	55	TR.		TR.		12.5	NNW	NNW30	10.5	
10	23.3	13.3	18.3		13.3	0.3	94	58					13.0	N	N 22	10.3	
11	27.0	13.5	20.3		15.3	2.3	89	56					8.3	E	ESE15	8.7	
12	25.0	16.2	20.6		15.6	2.6	98	67	1	16.8	16.8		11.2	N	NNW22	9.5	
13	26.3	13.7	20.0		15.0	2.0	96	44					5.8	N	N 15	15.2	
14	28.0	12.7	20.4		15.4	2.4	92	44	1				6.8	NW	WNW15*	12.6	
15	28.4	14.8	21.6		16.6	3.6	82	42					9.0	WNW	NW 15	14.4	
16	29.8	14.8	22.3		17.3	4.3	86	41					5.9	SSW	SSW11*	14.6	
17	30.0	15.5	22.8		17.8	4.8	86	45	TR.		TR.		8.5	SSW	E 22	10.5	
18	29.5	13.4	21.5		16.5	3.5	94	45					9.0	N	NNE19	13.9	
19	31.1	15.6	23.4		18.4	5.4	98	39					6.6	WNW	W 13	13.9	
20	33.0	17.1	25.1		20.1	7.1	85	39					6.7	SW	W 11*	14.3	
21	33.5	18.5	26.0		21.0	8.0	77	34					10.3	S	S 17	14.4	
22	32.8	17.7	25.3		20.3	7.3	78	41					18.3	S	S 28	13.7	
23	32.0	17.7	24.9		19.9	6.9	76	42					17.8	S	S 26*	10.4	
24	31.4	19.7	25.6		20.6	7.6	81	51		0.2	0.2		16.7	S	S 26	3.6	
25	35.9	18.4	27.2		22.2	9.2	81	32					17.1	S	NW 28	13.2	
26	28.2	13.9	21.1		16.1	3.1	84	40	1	TR.	TR.		17.7	N	NW 31*	12.4	
27	22.4	12.8	17.6	0.4	12.6		85	50					14.2	NNW	NNE22*	6.6	
28	22.5	14.4	18.5		13.5	0.5	84	56		0.4	0.4		14.1	SSE	ESE20*	4.3	
29	24.5	17.2	20.9		15.9	2.9	93	69	TR.		TR.		10.8	SSE	SSE19	1.1	
30	29.1	16.4	22.8		17.8	4.8	94	45					8.4	NW	NW 19	12.3	
31	26.6	17.5	22.1		17.1	4.1	83	56	TR.		TR.		11.7	S	S 22	6.7	
MEAN MOYENNE	28.3	15.8	22.1	TOTAL 0.4	TOTAL 529.3	TOTAL 126.7	88	50	TOT 5	TOTAL 33.4	TOTAL 0.0	TOTAL 33.4	12.3	PREVAILING DOMINANTE S	MAXIMALE SSE33	TOTAL 342.3	
NORMAL NORMALE	25.9	13.3	19.6	21.1	453.8	71.9			8	75.9	0.0	75.9	16.0	S		315.6	

DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS										DAYS WITH TOTAL PRECIPITATION JOURS AVEC PRÉCIPITATIONS TOTALES					DAYS WITH SNOWFALL JOURS AVEC CHÛTE DE NEIGE				
BELOW 18°C AU-DESSOUS DE 18°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 5°C AU-DESSUS DE 5°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	02 OR MORE OU PLUS	10 OR MORE OU PLUS	20 OR MORE OU PLUS	100 OR MORE OU PLUS	500 OR MORE OU PLUS	02 OR MORE OU PLUS	10 OR MORE OU PLUS	20 OR MORE OU PLUS	100 OR MORE OU PLUS	500 OR MORE OU PLUS		
TOTAL FOR MONTH TOTAL DU MOIS	0.4	7.9	21.1	TOTAL FOR MONTH TOTAL DU MOIS	529.3	500.5	453.8	5	3	3	2	0	0	0	0	0	0		
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET	0.4	7.9	21.1	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL	1185.4	1383.2	1061.9												



DRY-BULB TEMPERATURES AT: TEMPÉRATURES DU THERMOMÈTRE SEC A:		WINNIPEG INTERNATIONAL AIRPORT AÉROPORT INTERN. DE WINNIPEG												MONTH: JULY MOIS: JUILLET		1989		1989		Page 3.				
Date	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	205	197	192	190	194	200	202	219	230	247	256	269	281	289	293	300	301	301	297	287	274	265	255	249
2	246	241	237	226	209	200	206	226	244	245	233	224	225	243	263	253	263	251	257	259	233	215	203	188
3	171	173	167	161	154	154	165	173	192	210	222	233	229	241	247	249	253	248	248	234	216	187	183	167
4	159	160	162	150	160	147	170	200	222	239	258	257	280	289	304	315	309	313	307	298	287	284	273	264
5	264	262	217	218	215	216	212	212	220	218	228	241	252	268	270	266	264	266	253	236	227	206	197	192
6	190	162	152	148	140	132	144	166	179	198	210	217	208	231	231	226	239	226	224	211	180	168	153	150
7	140	144	135	140	136	135	145	173	190	212	231	239	248	247	240	257	264	264	259	243	240	235	230	227
8	225	204	193	183	187	175	170	173	185	213	213	229	220	206	211	223	243	245	238	224	216	212	202	187
9	184	188	157	156	163	172	175	174	177	205	217	232	247	250	260	263	247	225	234	228	198	174	175	171
10	168	154	140	140	148	135	150	167	181	205	213	201	211	218	220	221	226	215	210	203	194	180	165	140
11	143	135	149	171	176	178	177	184	190	200	213	230	239	261	256	254	255	262	252	250	241	230	197	202
12	210	204	202	169	176	170	174	184	195	202	213	217	224	229	216	243	228	232	222	219	196	173	164	166
13	162	153	144	151	145	138	145	168	191	218	229	236	244	248	253	257	253	251	251	233	205	189	165	170
14	156	151	141	138	131	129	140	169	212	229	239	249	256	267	267	272	272	251	261	241	207	192	190	185
15	172	177	169	167	151	151	159	180	213	236	248	258	267	271	275	276	276	278	271	258	237	215	217	203
16	192	176	177	174	151	153	161	180	208	239	260	272	280	287	285	286	289	288	278	263	258	225	223	208
17	231	224	211	220	220	202	195	200	205	241	250	265	283	289	285	287	287	278	275	233	222	201	186	158
18	160	144	147	153	138	134	150	189	215	229	246	261	274	281	279	278	279	279	271	252	232	211	201	190
19	178	177	178	166	160	156	168	188	224	254	279	281	294	298	309	300	301	300	291	183	252	213	210	190
20	193	181	186	192	190	179	172	188	233	256	281	296	307	308	314	321	322	319	308	294	276	256	243	237
21	231	223	202	205	194	185	192	216	232	257	275	298	307	315	322	326	329	327	322	301	273	263	251	244
22	231	230	210	198	190	186	180	202	226	250	271	289	301	313	317	318	322	310	300	280	261	247	239	220
23	214	206	203	192	182	181	177	199	220	241	269	284	295	289	297	287	306	297	289	278	256	242	232	226
24	220	217	213	210	206	197	200	212	227	235	255	272	295	296	293	295	291	273	276	267	266	248	237	235
25	223	218	218	213	200	197	200	216	240	260	284	294	313	328	338	349	338	318	312	273	265	234	221	208
26	184	181	192	192	184	179	173	188	207	230	241	249	264	276	276	274	270	266	264	246	220	190	166	145
27	139	134	135	134	139	139	140	139	147	152	168	182	201	213	218	210	213	209	213	206	197	190	186	167
28	177	174	170	163	164	148	146	162	166	181	189	207	202	203	205	223	212	208	211	206	201	193	188	185
29	184	181	180	178	174	178	180	182	193	201	212	218	218	226	228	235	230	228	216	212	197	195	185	182
30	184	185	185	184	180	168	170	190	203	221	230	233	243	262	262	281	279	280	277	268	242	207	201	200
31	194	201	205	196	175	179	183	187	208	222	256	254	256	209	228	243	251	261	258	240	231	234	232	247

Note/avis: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.
 2. Hours are C.S.T./Les heures sont à l'heure normale de la localité
 3. Unit/Unité = 0.1°C

HOURLY DEW POINT TEMPERATURE AT: TEMPERATURE DE ROSEE HORAIRE A:		WINNIPEG INTERNATIONAL AIRPORT AEROPORT INTERN. DE WINNIPEG												MONTH: JULY MOIS: JUILLET		1989 1989								
Date	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	184	180	173	173	174	179	179	188	193	197	200	207	210	210	206	210	216	218	215	224	217	206	205	203
2	199	192	188	184	181	180	182	192	199	184	145	141	158	138	162	168	163	173	174	155	126	120	118	118
3	113	104	102	98	94	94	98	111	126	135	144	138	146	152	144	146	155	156	154	156	166	153	151	143
4	140	139	146	139	149	139	149	156	163	167	172	166	177	181	196	207	215	224	224	217	207	200	194	188
5	188	188	194	197	195	196	197	194	200	202	202	207	212	214	224	224	223	228	216	201	198	192	169	156
6	142	129	127	127	125	118	125	138	143	141	143	138	133	142	137	134	135	142	124	132	125	124	122	122
7	116	124	119	116	113	113	117	123	129	138	146	156	158	157	154	162	171	166	168	160	155	153	151	148
8	146	158	151	147	142	138	142	147	152	170	166	179	175	185	184	191	190	193	189	181	194	179	176	170
9	171	175	149	139	143	147	156	157	162	179	181	182	179	170	163	170	171	162	166	172	157	152	150	140
10	134	134	128	128	130	125	134	142	149	157	155	153	153	153	153	150	148	151	146	121	116	103	109	111
11	119	118	124	111	110	113	117	126	134	143	155	160	166	166	163	163	164	169	175	169	169	168	171	170
12	176	171	166	160	170	166	167	171	170	172	179	176	182	179	175	182	167	166	158	156	161	157	152	156
13	153	146	139	142	124	117	127	138	157	161	148	133	148	143	147	136	126	131	150	146	165	147	142	131
14	131	131	126	120	117	116	122	142	148	136	139	141	136	143	139	139	139	148	144	152	143	138	137	140
15	138	138	131	127	121	115	121	141	167	173	176	171	159	148	140	148	138	136	144	171	167	149	147	143
16	144	149	138	133	124	126	136	142	140	152	153	167	166	149	153	150	144	149	146	164	162	162	157	156
17	156	154	154	138	134	139	146	148	151	170	174	166	174	157	158	163	165	149	149	143	145	143	142	137
18	137	128	132	134	124	124	135	162	169	177	169	176	166	155	160	156	160	148	145	171	172	160	160	153
19	157	166	168	156	153	153	157	165	176	170	171	175	161	166	179	182	170	146	146	153	170	149	150	153
20	159	152	155	148	143	137	145	149	157	169	174	179	154	174	170	170	173	166	177	170	172	166	160	157
21	153	153	154	151	149	142	145	150	163	170	176	184	175	179	182	161	155	149	153	173	167	178	161	156
22	156	150	147	144	138	139	140	144	149	161	173	175	175	178	182	179	171	171	163	166	156	141	138	139
23	134	132	132	130	130	130	133	142	154	159	171	177	153	162	163	167	174	173	177	178	174	169	168	165
24	164	164	166	165	163	161	164	170	177	179	190	194	192	183	182	188	185	191	191	188	180	181	174	170
25	167	166	167	165	163	161	162	168	174	179	182	192	199	197	203	203	191	149	121	120	130	143	144	142
26	136	138	129	126	134	135	143	156	166	157	148	142	144	144	149	138	126	133	140	141	146	126	120	111
27	112	111	105	107	107	102	99	96	102	105	105	105	107	111	112	112	111	109	119	120	122	118	123	128
28	131	118	118	123	130	120	119	118	113	121	121	124	125	121	126	132	134	134	141	142	146	148	148	147
29	146	144	144	144	144	145	146	149	153	156	159	166	166	170	173	176	175	177	180	178	173	172	170	170
30	170	170	170	170	170	170	161	163	170	173	175	172	170	172	167	159	156	153	147	150	154	146	147	147
31	146	142	149	151	142	145	146	148	156	165	170	163	167	179	181	185	182	192	187	181	179	182	180	165

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CLIMATOLOGICAL SUMMARY FOR JULY 1989

AT WINNIPEG, MANITOBA

Unlike last month rainfall was light in July as the total measured was only 33.4 mm (normal 75.9 mm). Measurable rainfall occurred on only 5 days compared to a normal 11 days.

Temperatures averaged above normal, with a mean of 22.1 degrees compared to the normal 19.6. The mean maximum was 28.3 (normal 25.9) and the mean minimum was 15.8 (normal 13.3). The highest reading was 35.9 on the 25th and the lowest, 12.7 on the 14th.

Sunshine was above normal, 342.3 hrs compared to 315.6 while the winds were much lighter than usual, averaging 12.4 km/h compared to the normal 16.0.

DAILY WEATHER SUMMARY FOR JULY 1989

AT WINNIPEG, MANITOBA

1. Sunny. Temperatures above normal. Winds light becoming moderate by mid-morning.
2. Sunny becoming cloudy with rain showers at noon clearing in the afternoon. Temperatures above normal. Winds light with a short period of moderate near noon.
3. Sunny. Temperatures slightly above normal. Winds light with a few periods of moderate around mid-day.
4. Sunny with a few clouds in the evening. Temperatures above normal. Winds light increasing to moderate occasionally gusting strong, reducing slightly to moderate in the late afternoon.
5. Cloudy to overcast with thunder and rain showers in the morning, becoming cloudy with some sunny periods in the afternoon and evening. Temperatures above normal. Winds moderate very early in the morning, light for the rest of the day.
6. Sunny with a few clouds. Temperatures slightly below normal. Winds light with a few periods of moderate in the afternoon.
7. Sunny with a few clouds. Temperatures slightly above normal. Winds light except for a period of moderate in the afternoon.
8. Cloudy with rain showers in the morning and evening. Temperatures slightly above normal. Winds light.
9. Sunny with a few cloudy periods and light rain showers in the morning. Temperatures slightly above normal. Winds light becoming moderate by mid-morning reducing to light in the early afternoon.
10. Sunny with cloudy periods in the afternoon. Temperatures slightly below normal. Winds light.
11. Cloudy with sunny periods. Temperatures near normal. Winds light.
12. Cloudy with occasional rain showers, clearing in the evening. Temperatures normal. Winds light.
13. Sunny. Temperatures normal. Winds light.
14. Sunny. Temperatures slightly above normal. Winds light.
15. Sunny. Temperatures slightly above normal. Winds light.
16. Sunny. Temperatures above normal. Winds light.
17. Cloudy with sunny periods in the morning, mainly sunny in the afternoon. Temperatures above normal. Winds light with a short period of moderate in the evening.
18. Sunny. Temperatures above normal. Winds light.
19. Sunny. Temperatures above normal. Winds light.
20. Sunny. Temperatures above normal. Winds light.
21. Sunny. Temperatures above normal. Winds light.
22. Sunny. Temperatures above normal. Winds light becoming moderate in the afternoon reducing to light in the evening.
23. Sunny with a few clouds. Temperatures above normal. Winds light occasionally moderate reducing to light in the evening.
24. Sunny with some cloudy periods. Temperatures above normal. Winds light except for a period of moderate in the afternoon.
25. Sunny. Temperatures well above normal. Winds light with a few periods of moderate.
26. Cloudy with thunder and rain showers early in the morning otherwise sunny. Winds light becoming moderate by noon and light again in the evening. Temperatures above normal.
27. Cloudy with some sunny periods in the afternoon. Temperatures slightly below normal. Winds light.
28. Cloudy with light rain showers in the early morning, cloudy with sunny periods for the rest of the day. Temperatures slightly below normal. Winds light.
29. Cloudy to overcast. Temperatures slightly above normal. Winds light.
30. Cloudy with sunny periods, becoming sunny in the afternoon. Temperatures above normal. Winds light.
31. Cloudy with light rain showers in the afternoon, clearing in the evening. Temperatures slightly above normal. Winds light becoming moderate late in the evening.