

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

FEBRUARY / FEVRIER

19 90

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 (NNM)			STANDARD TIME USED HEURE NORMALE UTILISÉE: CENTRAL							
DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRÉS-JOURS			REL. HUMIDITY HUMIDITÉ REL.		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE		
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFÉE	GROWING DE CROISSANCE	COOLING DE RÉFRIGÉRATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. 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	HOURS HEURES			
1	-25.5	-33.7	-29.6	47.6			67	49			TR.	TR.	17	8.1	NNE	NNE19	8.2		
2	-18.1	-28.3	-23.2	41.2			74	50					17	13.5	S	S 26	6.4		
3	-10.8	-21.0	-15.9	33.9			89	59			TR.	TR.	17	11.9	S	S 24	7.7		
4	0.0	-11.4	-5.7	23.7			91	74					17	18.5	S	WNW26	7.2		
5	-8.8	-15.0	-11.9	29.9			93	61					17	14.5	S	NNW26	6.5		
6	1.9	-14.6	-6.4	24.4			95	68					17	17.3	S	ESE31	6.5		
7	1.0	-9.9	-4.5	22.5			97	61	TR.	0.4	0.2		17	12.8	WSW	WSW22*	5.3		
8	-0.9	-12.5	-6.7	24.7			97	60					17	13.7	S	SSE24	8.9		
9	-0.6	-20.1	-10.4	28.4			91	61		0.4	0.4		17	20.8	W	W 28*	2.0		
10	-13.4	-25.4	-19.4	37.4			89	53		2.0	0.8		17	9.1	WNW	W 15*	6.4		
11	-7.3	-15.0	-11.2	29.2			94	82		0.4	0.2		18	8.4	N	SE 26	0.3		
12	-0.7	-22.1	-11.4	29.4			87	61		TR.	TR.		18	30.8	NW	WNW43	4.7		
13	-22.1	-27.6	-24.9	42.9			66	51					18	15.9	NW	NW 33	9.5		
14	-15.0	-29.2	-22.1	40.1			67	50					18	14.2	SSW	SSW22*	7.7		
15	-17.3	-25.2	-21.3	39.3			73	54		TR.	TR.		18	18.5	NE	NE 33*	1.8		
16	-20.3	-27.8	-24.1	42.1			63	46		TR.	TR.		18	23.8	NNE	NE 35	8.9		
17	-10.8	-30.0	-20.4	38.4			92	49		4.6	4.0		18	14.3	SE	ESE31	3.1		
18	-11.1	-21.3	-16.2	34.2			89	59		TR.	TR.		22	16.0	W	W 24	5.1		
19	-9.3	-23.1	-16.2	34.2			82	54					22	14.2	W	SSW24	9.2		
20	4.4	-11.4	-3.5	21.5			87	65					18	24.0	S	SW 30*	7.3		
21	3.6	-10.2	-3.3	21.3			88	62		TR.	TR.		14	17.7	WSW	NW 30	4.3		
22	-7.5	-18.1	-12.8	30.8			99	55		TR.	TR.		12	7.6	CALM	NNE17	7.5		
23	-8.8	-24.5	-16.7	34.7			93	52		1.4	0.9		13	22.8	N	NNE33*	4.2		
24	-20.1	-27.8	-24.0	42.0			72	53		TR.	TR.		13	13.5	NW	NNE24	8.4		
25	-8.9	-28.8	-18.9	36.9			94	58		0.2	0.2		13	24.6	S	S 37*	0.0		
26	-4.6	-16.4	-10.5	28.5			95	64		2.8	2.4		13	17.0	SSW	N 30	2.3		
27	-8.3	-18.3	-13.3	31.3			83	55					14	12.9	W	NW 19*	8.9		
28	2.3	-11.2	-4.5	22.5			86	64					14	16.6	SW	SW 26	10.4		
MEAN MOYENNE	-8.5	-20.7	-14.6	913.0	TOTAL 0.0	TOTAL 0.0	85	58	TOT 0	TOTAL TR.	TOTAL 12.2	TOTAL 9.1		16.2	PREVAILING DIRECTION DOMINANTE S	MAXIMALE WNW43	TOTAL 168.7		
NORMAL NORMALE	-10.1	-21.0	-15.6	948.6	0.0	0.0			0	0.7	18.9	17.5		18.1	S		144.2		
DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS										DAYS WITH TOTAL PRECIPITATION JOURS AVEC PRÉCIPITATIONS TOTALES					DAYS WITH SNOWFALL JOURS AVEC CHUTE 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												
TOTAL FOR MONTH TOTAL DU MOIS	913.0	1021.2	948.6	TOTAL FOR MONTH TOTAL DU MOIS	0.0	0.0	0.0	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		
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET	4336.2	4329.0	4383.2	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL	1972.9	2142.7	1783.2	8	2	2	0	0	8	4	3	0	0		

UDC 551 506.1 ()

Note/AVIS

1. Climatological Day/Journée climatologique 00 01 C S.T. - 00 00 C S.T.

2. Normal/Normale 1951-1980

3. TR = Trace

4. M = Missing/Manquant

5. No entry/Pas de valeur = No occurrence/Pas d'événement

6. * Indicates first of more than one prevailing direction and/or maximum 2 minute mean speed (see page 4)/Indique la première de plusieurs des directions dominantes et/ou la vitesse moyenne maximale sur 2 minutes (voir page 4).

7. C = Calm/Calm \$2.75 \$27.30 \$2.75 \$27.30

8. Price: single issue ; annual (Jan. to Dec.) /Prix: numéro individuel ; annuel (janv. à déc.)



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WINNIPEG INTERNATIONAL AIRPORT
AEROPORT INTERN. DE WINNIPEG

DRY-BULB TEMPERATURES AT:
TEMPERATURES DU THERMOMETRE SEC A:

1990
FEBRUARY
1990

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	-279	-283	-279	-259	-259	-273	-280	-290	-303	-309	-306	-307	-302	-300	-295	-294	-293	-306	-308	-312	-299	-331	-311	-291
2	-272	-283	-279	-278	-271	-271	-273	-266	-258	-253	-242	-229	-220	-210	-198	-190	-185	-185	-190	-198	-194	-197	-190	-186
3	-184	-189	-193	-195	-199	-197	-201	-206	-198	-194	-185	-170	-165	-144	-134	-121	-124	-134	-151	-155	-148	-145	-137	-125
4	-116	-102	-100	-94	-95	-102	-102	-98	-101	-101	-86	-61	-45	-29	-22	-9	-3	-6	-18	-19	-10	-16	-44	-77
5	-89	-91	-97	-103	-116	-130	-133	-131	-134	-134	-138	-140	-131	-119	-112	-109	-102	-111	-121	-130	-135	-141	-139	-138
6	-145	-138	-134	-122	-117	-105	-100	-76	-73	-51	-46	-36	-28	-12	-2	7	17	10	-12	-26	-36	-82	-70	-87
7	-87	-82	-87	-77	-50	-55	-42	-47	-40	-36	-17	-21	-23	8	5	0	-7	-16	-27	-39	-47	-46	-45	-57
8	-90	-101	-117	-111	-108	-104	-99	-82	-111	-101	-81	-67	-54	-43	-31	-23	-24	-27	-31	-36	-33	-20	-13	-15
9	-10	-8	-17	-33	-59	-73	-81	-86	-98	-106	-102	-103	-102	-117	-116	-120	-127	-134	-143	-158	-167	-181	-188	-198
10	-198	-218	-219	-226	-236	-232	-242	-243	-245	-231	-206	-201	-191	-172	-168	-162	-159	-153	-147	-148	-146	-143	-136	-136
11	-134	-130	-125	-125	-133	-138	-141	-144	-145	-144	-143	-143	-140	-134	-129	-126	-113	-105	-111	-112	-107	-98	-85	-78
12	-73	-64	-60	-56	-45	-39	-42	-35	-34	-21	-9	-21	-56	-87	-95	-112	-133	-146	-161	-180	-199	-210	-214	-218
13	-221	-227	-233	-244	-249	-256	-259	-265	-272	-269	-262	-255	-245	-241	-237	-234	-233	-234	-241	-246	-248	-260	-266	-263
14	-273	-275	-276	-290	-289	-283	-285	-287	-273	-248	-228	-211	-194	-190	-172	-168	-156	-155	-159	-166	-169	-168	-170	-174
15	-177	-180	-189	-202	-207	-241	-220	-226	-229	-228	-222	-206	-195	-187	-180	-179	-177	-175	-177	-181	-186	-185	-194	-201
16	-206	-213	-221	-225	-228	-236	-241	-250	-257	-262	-258	-247	-245	-230	-220	-211	-213	-214	-222	-262	-268	-263	-270	-265
17	-278	-276	-282	-281	-279	-279	-267	-266	-258	-241	-206	-182	-170	-156	-152	-135	-132	-130	-132	-128	-123	-123	-119	-113
18	-112	-123	-136	-138	-148	-163	-168	-174	-174	-183	-191	-190	-186	-175	-170	-168	-167	-167	-174	-192	-198	-200	-210	-210
19	-212	-212	-213	-214	-214	-225	-229	-222	-224	-215	-190	-172	-143	-145	-140	-128	-125	-117	-112	-102	-99	-100	-102	-105
20	-103	-110	-113	-106	-109	-104	-100	-91	-95	-99	-84	-67	-50	-14	9	25	25	31	25	38	33	39	33	22
21	23	30	34	26	16	11	8	1	-1	5	8	11	8	8	6	1	-4	-26	-43	-56	-68	-81	-97	-85
22	-94	-127	-116	-133	-115	-130	-127	-154	-161	-158	-155	-151	-130	-109	-94	-79	-82	-77	-82	-86	-85	-86	-86	-96
23	-94	-93	-88	-94	-96	-100	-108	-122	-140	-154	-159	-161	-155	-148	-149	-152	-151	-156	-162	-179	-203	-214	-226	-235
24	-243	-234	-234	-238	-251	-255	-252	-262	-257	-238	-225	-213	-207	-206	-206	-204	-206	-210	-223	-249	-249	-261	-271	-266
25	-274	-257	-257	-269	-270	-265	-255	-248	-235	-225	-213	-201	-187	-174	-161	-144	-134	-130	-123	-117	-112	-107	-101	-95
26	-90	-82	-73	-76	-83	-92	-86	-80	-79	-76	-68	-67	-64	-60	-55	-60	-54	-77	-94	-105	-119	-125	-141	-159
27	-163	-170	-163	-166	-180	-170	-181	-175	-180	-160	-152	-134	-127	-116	-100	-90	-86	-85	-96	-105	-123	-123	-113	-106
28	-112	-97	-96	-103	-96	-103	-94	-94	-80	-50	-27	-19	-11	3	18	17	19	17	16	13	9	11	15	2

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

HOURLY DEW POINT TEMPERATURE AT: WINNIPEG INTERNATIONAL AIRPORT
TEMPERATURE DE ROSÉE HORAIRE A: AEROPORT INTERN. DE WINNIPEG

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	-326	-328	-328	-311	-316	-324	-334	-346	-351	-357	-363	-367	-363	-360	-363	-363	-358	-367	-368	-371	-359	-385	-351	-336
2	-331	-349	-349	-343	-337	-332	-334	-327	-323	-316	-305	-297	-296	-285	-271	-265	-252	-253	-258	-258	-253	-251	-238	-226
3	-221	-224	-229	-231	-236	-233	-236	-244	-233	-230	-221	-219	-209	-197	-192	-180	-174	-180	-193	-192	-185	-179	-198	-140
4	-131	-115	-114	-107	-107	-114	-115	-112	-119	-116	-107	-90	-81	-70	-59	-47	-43	-43	-45	-49	-46	-50	-69	-92
5	-104	-104	-106	-118	-137	-158	-162	-165	-165	-168	-171	-174	-170	-173	-167	-168	-157	-165	-170	-173	-173	-181	-171	-167
6	-172	-159	-155	-144	-141	-127	-120	-98	-96	-80	-76	-72	-67	-55	-47	-38	-36	-42	-48	-55	-64	-93	-84	-97
7	-91	-92	-90	-81	-62	-62	-51	-55	-46	-41	-26	-36	-39	-38	-58	-66	-69	-68	-73	-81	-89	-89	-88	-93
8	-112	-121	-122	-125	-130	-122	-121	-115	-133	-126	-115	-109	-98	-91	-85	-78	-72	-63	-57	-67	-72	-79	-81	-66
9	-52	-46	-52	-57	-88	-94	-93	-109	-126	-133	-131	-137	-138	-153	-143	-146	-143	-164	-179	-217	-220	-232	-239	-246
10	-253	-267	-269	-277	-285	-281	-291	-287	-291	-277	-267	-260	-249	-243	-242	-231	-225	-218	-207	-194	-184	-170	-152	-151
11	-150	-145	-142	-138	-142	-147	-151	-153	-155	-156	-158	-158	-159	-155	-152	-149	-138	-127	-131	-130	-126	-117	-103	-96
12	-90	-83	-81	-75	-68	-63	-64	-58	-53	-46	-35	-44	-90	-115	-127	-152	-165	-184	-179	-238	-250	-261	-270	-266
13	-268	-279	-285	-295	-300	-303	-308	-315	-325	-321	-320	-316	-309	-304	-297	-297	-298	-298	-301	-302	-313	-318	-325	-321
14	-325	-330	-329	-334	-338	-334	-332	-335	-326	-303	-292	-283	-269	-258	-246	-228	-211	-215	-216	-226	-228	-231	-236	-237
15	-241	-245	-249	-257	-256	-293	-262	-271	-270	-268	-264	-243	-238	-229	-225	-229	-229	-238	-242	-242	-248	-252	-261	-267
16	-269	-272	-273	-282	-283	-294	-298	-305	-314	-318	-316	-305	-302	-296	-292	-295	-293	-304	-301	-325	-331	-336	-342	-340
17	-341	-341	-342	-336	-331	-330	-317	-319	-320	-306	-285	-258	-247	-223	-191	-166	-148	-145	-147	-146	-141	-139	-133	-123
18	-127	-138	-150	-155	-164	-178	-183	-194	-213	-222	-245	-246	-242	-234	-229	-226	-221	-221	-229	-243	-250	-248	-257	-264
19	-264	-260	-263	-265	-274	-279	-273	-274	-272	-256	-240	-218	-211	-205	-188	-172	-170	-171	-141	-139	-140	-138	-136	-131
20	-130	-134	-134	-128	-129	-127	-132	-123	-121	-121	-112	-97	-83	-55	-31	-27	-25	-23	-22	-20	-20	-20	-20	-22
21	-22	-25	-30	-35	-37	-42	-43	-44	-45	-42	-38	-36	-32	-18	-15	-19	-39	-52	-66	-89	-96	-114	-119	-105
22	-112	-132	-119	-143	-127	-159	-166	-205	-227	-221	-218	-206	-192	-163	-150	-152	-152	-135	-117	-119	-105	-112	-115	-129
23	-126	-124	-124	-114	-108	-113	-120	-137	-158	-175	-198	-212	-204	-203	-209	-214	-215	-230	-235	-254	-269	-280	-285	-286
24	-294	-286	-284	-285	-295	-294	-291	-305	-299	-281	-272	-264	-258	-274	-273	-268	-271	-282	-296	-312	-307	-300	-331	-313
25	-324	-307	-310	-316	-320	-316	-309	-301	-291	-281	-265	-255	-242	-223	-201	-180	-162	-144	-135	-128	-121	-117	-110	-106
26	-101	-95	-91	-93	-100	-108	-103	-96	-96	-92	-86	-80	-75	-68	-62	-84	-82	-112	-127	-146	-163	-175	-188	-201
27	-221	-233	-231	-229	-234	-232	-239	-239	-240	-225	-211	-201	-188	-174	-150	-154	-149	-145	-145	-146	-149	-147	-141	-143
28	-146	-132	-129	-131	-128	-129	-117	-115	-107	-92	-80	-74	-68	-55	-40	-30	-31	-31	-34	-38	-41	-45	-43	-46

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

There were wide fluctuations in temperatures during February, ranging from a maximum of 4.4 degrees on the 20th, to a minimum of -33.7 on the 1st. The average temperature for the month was 1 degree above normal.

Total precipitation of 9.1 mm was only a little better than half the usual amount received. The total snowfall for the month was 12.2 cm compared to the normal of 18.9 cm.

Sunshine totalled over 20 hours above the normal 144.2 hours for February. The mean wind speed was 16.2 km/hr, lighter than the usual 18.1 km/hr.

DAILY WEATHER SUMMARY FOR FEBRUARY 1990AT WINNIPEG, MANITOBA

1. Sunny. Temperatures well below normal. Light winds.
2. Partly cloudy. Temperatures below normal. Light winds.
3. Mostly sunny. Temperatures normal. Winds light.
4. Mostly sunny with afternoon cloudy periods. Temperatures well above normal. Light winds.
5. Becoming sunny near noon. Temperatures slightly above normal. Winds light.
6. Mostly sunny with a few cloudy periods in the morning. Temperatures well above normal. Moderate gusty winds decreasing to light by mid-afternoon.
7. Cloudy becoming mostly sunny early afternoon. Temperatures well above normal. Light winds.
8. Sunny. Temperatures well above normal. Winds light.
9. Mostly cloudy with occasional flurries. Temperatures well above normal. Moderate gusty winds decreasing to light early evening.
10. Sunny becoming cloudy late afternoon. Normal temperatures. Winds light.
11. Cloudy with snow ending late morning. Temperatures above normal. Winds light.
12. Cloudy with a few sunny periods. Maximum temperature well above normal. Winds moderate with strong gusts giving drifting and occasional blowing snow.
13. Sunny. Temperatures well below normal. Moderate winds decreasing to light early morning.
14. Sunny with a few afternoon cloudy periods. Temperatures below normal. Light winds.
15. Sunny becoming mostly cloudy late morning. Temperatures slightly below normal. Winds light becoming moderate with occasional gusts early afternoon.
16. Mostly cloudy becoming sunny near noon. Temperatures well below normal. Moderate winds becoming light early evening.
17. Mainly sunny becoming cloudy near noon with snow beginning early afternoon. Minimum temperature well below normal. Light winds.
18. Mostly cloudy with snow in early morning. Temperatures near normal. Light winds with occasional moderate gusts mid-afternoon.
19. Sunny with a few cloudy periods early evening. Temperatures near normal. Winds light.
20. Mostly sunny. Temperatures well above normal. Moderate winds.
21. Mostly cloudy. Temperatures well above normal. Moderate winds becoming light early morning.
22. Mostly sunny becoming cloudy late afternoon. Temperatures slightly above normal. Winds light.
23. Cloudy becoming mostly sunny by mid-afternoon. Temperatures near normal. Light winds increasing to moderate early morning then decreasing to light early evening.
24. Mostly sunny. Temperatures well below normal. Winds light.
25. Becoming cloudy mid-morning with snow and blowing snow beginning mid-afternoon. Minimum temperatures well below normal. Light winds becoming moderate with strong gusts late morning.
26. Cloudy with sunny periods becoming clear early evening. Flurries mid-morning to mid-afternoon. Temperatures above normal. Moderate gusty winds becoming light early morning then increasing to moderate by mid-afternoon.
27. Sunny with a few cloudy periods. Temperatures near normal. Winds light.
28. Sunny. Temperatures well above normal. Winds light.