



Environment Canada  
Service de l'environnement atmosphérique

# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

JANUARY / JANVIER

19 89

AT/A WINNIPEG INT'L AIRPORT / AÉROPORT INTERN. DE WINNIPEG

LAT: 49° 54' N			LONG: 97° 14' W			ELEVATION ALTITUDE: 239.6			METRES (ASL) MÈTRES (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 HEURES
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	COOLING DE RÉFRIGÉRATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. TOTAL		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	-17.2	-29.3	-23.3	41.3			75	62			0.2	0.2	24	18.9	NNE	NNE31	2.6
2	-16.2	-31.7	-24.0	42.0			75	60			3.0	2.4	21	15.1	SSE	SSE30	0.0
3	-16.4	-26.0	-21.2	39.2			75	61			TR.	TR.	23	14.5	S	S 24	6.0
4	-6.7	-18.6	-12.7	30.7			94	72			TR.	TR.	23	17.3	S	S 37	5.9
5	-11.6	-20.5	-16.1	34.1			92	78			1.0	0.2	22	7.1	N	N 11*	1.5
6	-12.7	-19.4	-16.1	34.1			88	78			3.8	3.8	23	25.1	NE	NNE41	0.0
7	-18.6	-21.9	-20.3	38.3			84	76			23.0	22.5	29	45.8	NNE	NNE54	0.0
8	-21.9	-32.7	-27.3	45.3			82	60			2.0	1.8	46	23.1	N	N 50*	4.4
9	-24.2	-34.1	-29.2	47.2			73	57					40	8.4	S	S 19*	6.3
10	-28.0	-35.7	-31.9	49.9			75	52			TR.	TR.	40	5.1	NW	WNW09*	8.0
11	-15.6	-28.5	-22.1	40.1			77	67			5.8	3.2	41	13.4	W	WNW22*	0.0
12	-15.0	-22.2	-18.6	36.6			82	72					43	13.9	W	W 19*	7.0
13	-2.7	-20.9	-11.8	29.8			88	72					42	26.9	S	S 33	0.0
14	-3.0	-17.2	-10.1	28.1			93	74			0.8	0.8	39	23.8	NNW	NNW44	0.4
15	-14.3	-21.7	-18.0	36.0			81	70			0.4	0.4	38	10.8	S	S 24	4.6
16	-5.0	-19.1	-12.1	30.1			94	74			1.6	1.4	32	23.5	S	S 39	4.3
17	-10.3	-20.5	-15.4	33.4			91	77			4.8	4.8	31	11.4	E	ENE22	0.0
18	-5.3	-12.3	-8.8	26.8			92	71			1.2	1.2	30	13.0	S	S 26	3.1
19	-5.4	-23.7	-14.6	32.6			91	56			0.4	0.4	30	17.8	N	N 31	0.0
20	-10.0	-25.5	-17.8	35.8			90	64					30	24.1	S	S 41*	6.0
21	-3.0	-11.3	-7.2	25.2			94	77					30	14.7	SSW	S 31	5.9
22	-7.4	-14.6	-11.0	29.0			99	87					24	7.6	NW	NW 15*	1.0
23	-10.9	-25.4	-18.2	36.2			89	61			TR.	TR.	23	11.2	NW	NNE24	6.3
24	-11.6	-26.4	-19.0	37.0			79	55					23	5.3	S	SE 13	0.0
25	-9.5	-20.2	-14.9	32.9			90	77			4.1	3.2	25	12.4	W	SE 20	7.0
26	-2.4	-21.1	-11.8	29.8			82	55					26	17.2	SSW	SSW30	6.3
27	2.2	-10.4	-4.1	22.1			91	69					26	19.7	S	SSW30*	8.7
28	-0.7	-8.3	-4.5	22.5			75	57					25	16.6	W	NW 20*	8.8
29	1.8	-7.4	-2.8	20.8			85	69					22	15.9	W	S 26*	3.4
30	1.6	-12.4	-5.4	23.4			96	82			TR.	1.8	17	15.9	W	N 43*	0.0
31	-11.4	-27.1	-19.3	37.3			86	55			4.4	4.1	21	38.7	NNE	N 54	0.3
MEAN MOYENNE	-10.1	-21.5	-15.8	TOTAL 1047.6	TOTAL 0.0	TOTAL 0.0	86	68	TOT 0	TOTAL TR.	TOTAL 58.3	TOTAL 52.2		17.2	PREVAILING S DOMINANTE	MAXIMALE NNE54	TOTAL 107.8
NORMAL NORMALE	-14.3	-24.2	-19.3	1154.7	0.0	0.0				0.2	23.7	21.3		18.6	S		121.2

### DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS

DAYS WITH TOTAL PRECIPITATION JOURS AVEC PRÉCIPITATIONS TOTALES

DAYS WITH SNOWFALL JOURS AVEC CHUTE DE NEIGE									
mm					cm				
02 OR MORE	10 OR MORE	20 OR MORE	30 OR MORE	50 OR MORE	02 OR MORE	10 OR MORE	20 OR MORE	30 OR MORE	50 OR MORE
16	11	7	1	0	16	12	8	1	0

UDC 551 506.1 ( )

Note/avis

- Climatological Day/Journée climatologique 00 01 C S T - 00 00 C S T
- Normal/Normale 1951-1980
- TR = Trace
- M = Missing/Manquant
- No entry/Pas de valeur = No occurrence/Pas d'événement
- \* 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).
- C = Calm/Calme
- Price: single issue 2.75; annual (Jan. to Dec.) 27.30 /Prix: numéro individuel 2.75; annuel 27.30 (janv à déc.)



MONTH: JANUARY 1989  
MOIS: JANVIER 1989

WINNIPEG INTERNATIONAL AIRPORT  
AEROPORT INTERN. DE WINNIPEG

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

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	-174	-177	-183	-206	-231	-241	-251	-240	-237	-233	-230	-220	-218	-216	-225	-248	-236	-255	-262	-257	-267	-284	-280	
2	-290	-303	-317	-294	-289	-291	-266	-282	-274	-293	-288	-263	-248	-244	-232	-206	-201	-200	-188	-181	-175	-169	-165	
3	-165	-167	-179	-202	-210	-225	-240	-253	-244	-251	-244	-236	-224	-214	-197	-183	-203	-217	-227	-224	-230	-217	-210	
4	-186	-169	-157	-146	-134	-117	-112	-99	-105	-109	-111	-98	-91	-85	-84	-94	-91	-139	-148	-161	-135	-133	-138	
5	-138	-150	-162	-172	-187	-190	-195	-199	-193	-167	-157	-159	-131	-120	-129	-141	-151	-156	-137	-150	-182	-173	-165	
6	-146	-142	-134	-129	-128	-131	-133	-134	-137	-138	-141	-152	-163	-169	-175	-178	-181	-179	-181	-180	-181	-187	-188	
7	-193	-191	-188	-191	-190	-191	-190	-194	-194	-196	-197	-196	-196	-198	-196	-197	-196	-196	-196	-198	-200	-203	-209	
8	-219	-222	-233	-238	-248	-248	-252	-264	-272	-268	-271	-279	-283	-281	-278	-279	-284	-290	-295	-301	-304	-314	-312	
9	-327	-313	-317	-311	-292	-282	-272	-269	-268	-270	-280	-284	-273	-258	-249	-251	-257	-272	-278	-288	-291	-298	-304	
10	-331	-331	-323	-336	-335	-328	-330	-351	-338	-353	-331	-329	-305	-296	-288	-284	-289	-290	-293	-295	-299	-300	-329	
11	-283	-273	-264	-246	-240	-226	-215	-207	-200	-193	-190	-180	-172	-161	-160	-167	-175	-189	-196	-199	-209	-217	-227	
12	-195	-174	-168	-161	-156	-155	-167	-166	-171	-166	-167	-160	-163	-158	-161	-157	-167	-179	-201	-197	-191	-200	-218	
13	-209	-196	-178	-167	-159	-160	-151	-154	-143	-132	-113	-93	-86	-63	-39	-41	-36	-33	-43	-58	-72	-78	-89	
14	-91	-92	-90	-92	-90	-94	-93	-85	-83	-83	-79	-60	-41	-36	-32	-40	-63	-80	-92	-101	-120	-138	-153	
15	-172	-198	-196	-187	-196	-190	-184	-180	-178	-180	-175	-162	-154	-153	-150	-154	-160	-177	-176	-173	-178	-183	-184	
16	-185	-185	-178	-164	-147	-135	-137	-133	-136	-138	-133	-123	-113	-90	-59	-73	-98	-102	-111	-126	-129	-137	-155	
17	-172	-179	-196	-194	-189	-175	-169	-162	-160	-159	-153	-146	-140	-131	-121	-116	-110	-108	-107	-105	-105	-106	-109	
18	-113	-114	-114	-115	-119	-120	-118	-111	-104	-96	-90	-94	-81	-66	-82	-78	-81	-86	-82	-71	-69	-67	-64	
19	-61	-56	-56	-59	-61	-69	-69	-72	-74	-75	-78	-75	-72	-79	-83	-91	-107	-134	-165	-180	-195	-227	-231	
20	-228	-245	-237	-241	-239	-233	-235	-233	-233	-220	-204	-186	-176	-145	-128	-116	-108	-105	-102	-105	-108	-108	-109	
21	-105	-101	-94	-91	-85	-75	-67	-64	-64	-70	-47	-44	-50	-50	-38	-42	-43	-71	-76	-88	-96	-99	-107	
22	-93	-93	-107	-113	-122	-103	-99	-87	-90	-99	-93	-97	-98	-93	-90	-87	-95	-102	-107	-125	-109	-124	-143	
23	-141	-152	-155	-151	-111	-112	-114	-123	-125	-128	-146	-145	-152	-157	-160	-161	-165	-175	-196	-206	-218	-220	-239	
24	-242	-246	-243	-239	-250	-232	-233	-230	-233	-227	-216	-195	-181	-175	-169	-161	-156	-165	-156	-172	-172	-165	-146	
25	-118	-115	-113	-111	-108	-105	-103	-101	-103	-99	-103	-109	-132	-128	-131	-130	-150	-165	-172	-172	-176	-184	-189	
26	-202	-199	-201	-201	-190	-182	-172	-156	-162	-149	-132	-122	-100	-63	-36	-34	-30	-40	-44	-57	-54	-40	-41	
27	-40	-35	-75	-91	-97	-96	-95	-95	-100	-88	-69	-42	-27	-17	-2	17	14	16	3	-7	-10	2	-6	
28	-24	-16	-31	-34	-47	-41	-60	-64	-72	-73	-75	-50	-28	-27	-21	-16	-14	-24	-39	-55	-56	-60	-71	
29	-59	-71	-69	-75	-53	-47	-46	-32	-24	-21	-15	-8	-1	9	11	14	12	2	-7	-5	-13	-15	-23	
30	-22	-16	-13	-11	-10	-10	-15	-12	-10	-16	-18	-8	-6	-7	2	10	14	11	7	0	-32	-55	-82	
31	-122	-137	-156	-171	-181	-188	-195	-215	-218	-223	-220	-224	-222	-220	-225	-224	-224	-225	-222	-229	-235	-240	-251	

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 localite  
3. Unit/Unite = 0.1°C

1989  
JANUARY  
1989

WINNIPEG INTERNATIONAL AIRPORT  
AEROPORT INTERN. DE WINNIPEG

BOULY DES POINTS TEMPERATURE AT:  
TEMPERATURE DE ROSEK HORAIRE A:

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	-211	-213	-215	-221	-245	-271	-284	-297	-286	-282	-277	-273	-266	-261	-261	-270	-297	-284	-303	-305	-301	-309	-325	-333
2	-329	-338	-366	-337	-333	-336	-308	-324	-318	-331	-328	-302	-290	-287	-274	-264	-246	-244	-239	-228	-222	-214	-207	-203
3	-200	-203	-214	-242	-250	-262	-278	-291	-285	-294	-283	-275	-266	-264	-246	-238	-254	-268	-276	-275	-278	-266	-256	-240
4	-226	-206	-191	-178	-163	-135	-132	-121	-127	-130	-133	-120	-115	-111	-111	-122	-120	-157	-158	-176	-148	-149	-147	-153
5	-153	-162	-175	-184	-201	-211	-219	-225	-222	-190	-177	-179	-141	-128	-140	-150	-164	-173	-153	-168	-197	-197	-189	-168
6	-166	-162	-153	-148	-146	-151	-152	-154	-159	-160	-164	-175	-188	-194	-199	-205	-209	-207	-207	-207	-210	-216	-217	-221
7	-224	-222	-219	-220	-222	-220	-220	-223	-221	-222	-221	-220	-222	-225	-222	-226	-225	-224	-224	-229	-231	-236	-243	-233
8	-252	-256	-264	-270	-275	-290	-294	-306	-316	-312	-314	-322	-326	-324	-322	-323	-330	-335	-337	-344	-345	-348	-355	-354
9	-370	-359	-359	-354	-335	-324	-320	-312	-311	-314	-323	-327	-315	-298	-289	-291	-298	-316	-319	-328	-333	-344	-349	-362
10	-376	-375	-367	-380	-378	-372	-376	-401	-382	-393	-372	-370	-345	-337	-327	-325	-331	-336	-338	-339	-346	-340	-361	-340
11	-326	-318	-306	-288	-282	-266	-252	-244	-237	-230	-225	-215	-203	-189	-191	-198	-207	-225	-233	-236	-248	-256	-265	-247
12	-232	-207	-198	-192	-187	-185	-200	-199	-205	-196	-195	-190	-191	-190	-192	-192	-203	-213	-233	-229	-221	-223	-253	-253
13	-242	-229	-209	-197	-190	-190	-181	-183	-173	-162	-132	-111	-107	-84	-63	-66	-61	-61	-63	-70	-82	-92	-99	-109
14	-110	-114	-115	-115	-112	-115	-116	-103	-108	-107	-103	-89	-68	-55	-42	-52	-66	-76	-99	-120	-126	-154	-175	-190
15	-204	-229	-234	-221	-230	-225	-222	-217	-215	-215	-210	-200	-193	-193	-192	-196	-200	-212	-212	-210	-212	-217	-216	-212
16	-218	-219	-211	-193	-174	-149	-149	-145	-150	-152	-147	-140	-123	-110	-73	-92	-112	-125	-135	-148	-146	-156	-172	-185
17	-185	-195	-223	-222	-221	-202	-194	-189	-188	-187	-180	-171	-154	-147	-138	-132	-127	-126	-126	-124	-125	-127	-127	-129
18	-128	-132	-129	-132	-138	-140	-140	-143	-127	-119	-111	-116	-110	-111	-109	-105	-104	-107	-103	-92	-83	-80	-76	-73
19	-75	-73	-70	-74	-77	-82	-84	-87	-92	-91	-94	-92	-90	-99	-106	-118	-137	-167	-190	-243	-258	-282	-261	-278
20	-268	-288	-281	-275	-278	-270	-271	-271	-275	-258	-243	-223	-211	-176	-147	-133	-128	-126	-122	-122	-123	-125	-123	-122
21	-121	-116	-108	-105	-101	-93	-87	-84	-84	-86	-73	-69	-74	-75	-72	-73	-78	-87	-99	-97	-105	-111	-122	-119
22	-105	-105	-117	-117	-129	-120	-113	-98	-103	-113	-105	-111	-111	-105	-103	-101	-110	-116	-122	-140	-124	-140	-160	-148
23	-156	-166	-171	-168	-127	-127	-128	-143	-150	-151	-182	-183	-195	-200	-215	-214	-216	-227	-240	-247	-260	-256	-271	-284
24	-285	-275	-285	-281	-293	-267	-269	-266	-275	-266	-252	-230	-233	-235	-234	-228	-225	-208	-210	-221	-218	-212	-195	-180
25	-177	-135	-129	-127	-123	-122	-120	-115	-117	-114	-121	-130	-147	-150	-157	-155	-174	-185	-190	-190	-195	-203	-216	-226
26	-234	-229	-229	-229	-220	-212	-203	-185	-193	-183	-199	-152	-135	-99	-76	-74	-75	-77	-78	-85	-82	-71	-70	-66
27	-66	-65	-92	-104	-112	-109	-109	-109	-120	-110	-98	-78	-66	-57	-43	-37	-34	-30	-36	-42	-43	-35	-47	-61
28	-63	-60	-70	-74	-86	-85	-97	-102	-110	-121	-121	-101	-98	-94	-92	-84	-89	-92	-98	-100	-105	-111	-118	-127
29	-110	-113	-108	-109	-92	-85	-77	-66	-58	-52	-49	-43	-41	-38	-35	-34	-35	-39	-44	-45	-50	-47	-50	-43
30	-42	-34	-33	-32	-29	-28	-31	-27	-27	-31	-35	-27	-32	-33	-25	-15	-11	-10	-8	-6	-43	-69	-98	-115
31	-141	-157	-176	-191	-207	-215	-226	-242	-257	-260	-261	-261	-261	-261	-266	-275	-276	-276	-278	-280	-284	-291	-303	-311

C.S.T.

C.S.T. - 0000  
C.S.T. climatologique 0001  
C.S.T./les heures sont a l'heure normale de la localite

- Note/Avis: 1. Climatological Day/Journee climatologique  
2. Hours are C.S.T./les heures sont a l'heure normale de la localite  
3. Unit/Unite = 0.1°C

It was a mild month with heavy snow.

The mean temperature for the month was quite a bit milder than normal. Our mean temperature was -15.8 C (normal -19.3). No temperature records were set during the month. The mean maximum was -10.0 (normal -14.3) and the mean minimum was -21.5 (normal -24.2). Extremes for the month were 2.2 on the 27th and -35.7 on the 10th.

Precipitation was much above normal with a total of 52.2 mm (normal 21.3). This brings our winter season total (from November 1) to 144% of the normal accumulation. Snowfall was above normal as well at 58.3 cm (normal 23.7). This was our second heaviest January snowfall. The record is still safe at 85.3 cm set in 1916. The snowcover at the end of the month was 22 cm.

Not surprisingly, sunshine hours were below normal at 107.8 hours (normal 121.2 hours). Average wind speed for the month was below normal at 17.2 km/h compared to the normal of 18.6 km/h.

DAILY WEATHER SUMMARY FOR JANUARY 1989AT WINNIPEG, MANITOBA

1. Cloud to overcast with snow clearing out in the last afternoon. Temperatures below normal. Winds moderate diminishing to light in the afternoon.
2. Sunny becoming overcast with snow in the late afternoon. Temperatures below normal. Winds light increasing to moderate in the late afternoon.
3. Sunny. Temperatures below normal. Winds light.
4. Sunny becoming cloudy in the evening. Temperatures above normal. Winds moderate becoming light in the afternoon.
5. Cloudy with few sunny periods, fog in the morning and light snow in the afternoon. Temperatures above normal. Winds light.
6. Overcast with snow and blowing snow. Temperatures above normal. Winds moderate increasing to moderate gusting strong in the evening.
7. Overcast with visibilities reduced in snow and blowing snow. Temperatures below normal. Winds strong and gusting with a few periods of strong with gale force gusts in the afternoon and evening.
8. Cloudy to overcast with snow and periods of blowing snow in the morning clearing by late afternoon. Temperatures well below normal. Winds moderate becoming light in the afternoon.
9. Cloudy to overcast in the morning, clearing by noon. Temperatures well below normal. Winds light.
10. Sunny. Temperatures well below normal. Winds light.
11. Overcast with light snow. Temperatures slightly below normal. Winds light with a short period of moderate early in the evening.
12. Cloudy clearing out by midmorning. Temperatures near normal. Winds light.
13. Cloudy. Temperatures above normal. Winds moderate with occasional strong gusts in the morning.
14. Cloudy to overcast with light snow in the afternoon. Temperatures well above normal. Winds moderate reducing to light very early in the morning, increasing to moderate to strong in the afternoon, decreasing to moderate in the evening.
15. Cloudy to overcast with light snow in the morning, clearing in the afternoon. Temperatures near normal winds light becoming moderate in the evening.
16. Cloudy to overcast with blowing snow in the morning clearing in the afternoon. Temperatures well above normal. Winds moderate occasionally gusting strong, decreasing to light by midmorning increasing again to moderate in the afternoon.
17. Overcast with light snow. Temperatures above normal. Winds light with a short period of moderate in the afternoon.
18. Overcast with a short sunny period around noon and snow starting in the evening. Temperatures well above normal. Winds light becoming occasionally moderate in the evening.
19. Overcast with light snow clearing in the late afternoon. Temperatures above normal. Winds light increasing to moderate in the morning diminishing to light in the evening.
20. Sunny with a few cloudy periods around noon. Temperatures slightly above normal. Winds light increasing to moderate by midmorning and moderate gusting strong by noon.
21. Few clouds in the morning otherwise sunny. Temperatures well above normal. Winds moderate gusting strong reducing to light in the morning.
22. Sunny with a few cloudy periods in the morning and some fog in the afternoon. Temperatures above normal. Winds light.
23. Overcast with light snow, clearing by midmorning. Temperatures slightly above normal. Winds light.
24. Sunny becoming cloudy by late afternoon. Temperatures slightly above normal. Winds light.
25. Overcast with light snow, clearing by midmorning. Temperatures above normal. Winds light.
26. Cloudy in the early morning, sunny for the rest of the day. Temperatures well above normal. Winds light early in the morning increasing to moderate, decreasing to light again by midafternoon.
27. Sunny. Temperatures well above normal. Winds light increasing to moderate occasionally gusting strong in the morning, decreasing to light by midafternoon and increasing to moderate again in the evening.
28. Sunny. Temperatures well above normal. Winds light.
29. Cloudy, clearing in the afternoon. Temperatures well above normal. Winds moderate early in the morning, light throughout the rest of the day.
30. Cloudy to overcast with light rain changing to snow in the evening. Temperatures well above normal. Winds light becoming moderate gusting strong later in the evening.
31. Overcast with snow and blowing snow, clearing in the evening. Temperatures slightly below normal. Winds strong and gusting, reducing to moderate occasionally gusting strong in the morning, and reducing to moderate in the afternoon.