

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS JANUARY

19 94

AT/A WINNIPEG INT'L AIRPORT

DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS			REL HUMIDITY HUMIDITÉ REL.		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	AVERAGE SPEED VITESSE MOYENNE	WIND VENT		WIND DIRECTION DIRECTION	WIND SPEED VITESSE MOYENNE	WIND DIRECTION DIRECTION	WIND SPEED VITESSE MOYENNE	WIND DIRECTION DIRECTION	WIND SPEED VITESSE MOYENNE	
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	Cooling DE FROID	Cooling DE RÉFRAIGIR	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (MILLIMÈTRES)	SNOWFALL NEIGE (MILLIMÈTRES)	TOTAL PRECIP. PRÉCIP. TOTALE			PREVAILING DIRECTION DOMINANTE	WIND DIRECTION DIRECTION							WIND SPEED VITESSE MOYENNE
	°C	°C	°C	BASE 18°C	BASE 5°C	BASE 18°C	°	°		mm	mm	mm			mm/h	mm/h							mm/h
1	-19.9	-27.8	-23.9	41.9			76	62		0.4	0.4	9	5.9	N	N	17	0.6						
2	-20.6	-31.6	-26.1	44.1			70	56		TR	TR	9	10.9	S	S	22	4.4						
3	-16.1	-20.6	-18.4	36.4			77	60		1.2	1.2	9	14.3	N*	S	26	2.3						
4	-18.0	-33.6	-25.8	43.8			71	56		0.8	0.6	10	13.3	NW	N	22	7.6						
5	-23.5	-33.6	-28.6	46.6			69	61		1.4	1.0	10	17.3	NE	NE	28	0.0						
6	-23.0	-27.4	-25.2	43.2			69	62		1.2	0.8	9	24.9	N	NE	33	0.0						
7	-23.8	-29.6	-26.7	44.7			83	62		1.4	1.0	10	9.0	N	NW	20	6.8						
8	-22.8	-29.0	-25.9	43.9			83	62		1.4	1.0	11	8.0	N*	NW	13	5.6						
9	-14.3	-30.6	-22.5	40.5			85	68		0.4	0.4	11	29.6	S	S	52	0.0						
10	-13.4	-28.7	-21.1	39.1			92	62		3.2	2.6	12	23.3	NW	S	37	6.0						
11	-20.3	-30.9	-25.6	43.6			77	61		6.2	2.4	13	12.5	SSE	ESE	28	0.0						
12	-20.1	-29.6	-24.9	42.9			70	56		TR	TR	18	14.7	NW	NW	20	5.7						
13	-26.8	-32.6	-29.7	47.7			67	51				18	19.0	V	NW	26	7.8						
14	-28.3	-34.0	-31.2	49.2			68	50				17	18.5	NW	NW	26	7.7						
15	-26.6	-35.3	-31.0	49.0			69	56		TR	TR	17	14.8	S	S	24	5.9						
16	-23.8	-30.5	-27.2	45.2			69	55		1.8	1.8	17	16.9	NW	NW	32	0.0						
17	-29.8	-34.2	-32.0	50.0			61	55		TR	TR	18	22.2	NW	NW	37	5.1						
18	-30.3	-35.3	-32.8	50.8			67	55		TR	TR	18	16.0	SSW	SW	24	7.8						
19	-23.8	-32.4	-28.1	46.1			68	52				18	14.6	V	V	22	7.9						
20	-10.2	-31.1	-20.7	38.7			85	53				18	20.3	S	S	35	4.5						
21	-10.0	-15.9	-13.0	31.0			85	60				18	14.7	V	V	20	4.0						
22	-10.4	-16.1	-13.3	31.3			85	47				18	13.5	SE	SSE	22	1.7						
23	-9.9	-18.1	-14.0	32.0			85	71		TR	TR	17	14.0	NW	V	19	6.5						
24	-17.5	-24.8	-21.2	39.2			70	58				17	15.0	N	NNE	20	6.8						
25	-17.0	-22.1	-19.6	37.6			64	49				17	17.3	NE	NE	20	0.2						
26																							
27	-9.8	-18.9	-14.4	32.4			85	54		1.2	0.6	17	21.9	SSE	S	28	0.0						
28	-7.2	-10.7	-9.0	27.0			92	79		TR	TR	18	12.4	NW	S	20	0.8						
29	-8.2	-26.4	-17.3	35.3			92	57		TR	TR	18	21.2	N	NE	33	7.8						
30	-22.5	-31.6	-27.1	45.1			75	61		TR	TR	18	8.6	N	NNE	19	8.0						
31	-16.8	-30.1	-23.5	41.5			77	61		TR	TR	18	9.6	V	WSW	13	4.7						
31	-14.2	-19.8	-17.0	35.0			77	60		0.2	0.2	17	8.8	V	V	13	4.6						
MEAN MOYENNE	-18.7	-27.5	-23.1	1274.8	0.0	0.0	76	58	0	0.0	20.8	14.0	15.6	V	S	52	130.8						
NORMAL NORMALE	-13.2	-23.6	-18.3	1129.1	0.0	0.0			0	0.3	22.6	19.3	18.0	NW			119.7						

UDC 561.506-1

Note/Ann: 1. Climatological Day/Jourée climatologique 00 01 C. S.T. - 23 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/Calm \$3.00 \$29.50 \$3.00 \$29.50
- Price: single issue: annual (Jan. to Dec.) /Pric: numéro individuel: annuel (janv. à déc.)



DRY BULB TEMPERATURE SUMMARY
 SOMMAIRE DES TEMPERATURES DU THERMOMETRE SEC

WINNIPEG INT'L AIRPORT

JANUARY 1994
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HOUR ->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
D 1	-254	-262	-268	-277	-266	-262	-255	-250	-245	-243	-233	-221	-216	-211	-203	-203	-200	-205	-210	-218	-222	-230	-235	-240	-236
A 2	-272	-287	-289	-297	-300	-304	-313	-312	-311	-307	-290	-273	-261	-252	-245	-243	-249	-247	-244	-239	-234	-227	-218	-214	-268
T 3	-206	-203	-197	-191	-187	-187	-186	-186	-187	-183	-176	-169	-164	-164	-164	-165	-166	-179	-175	-181	-185	-185	-185	-182	-182
E 4	-182	-184	-197	-219	-235	-260	-257	-279	-282	-293	-290	-288	-286	-282	-280	-281	-288	-292	-315	-305	-308	-323	-333	-272	-272
5	-331	-310	-294	-290	-298	-295	-295	-289	-289	-282	-278	-284	-283	-275	-267	-266	-264	-259	-251	-245	-241	-238	-235	-237	-275
6	-238	-239	-239	-241	-243	-246	-251	-258	-265	-266	-273	-271	-285	-259	-248	-238	-233	-231	-232	-238	-238	-239	-240	-243	-247
7	-245	-247	-249	-252	-254	-260	-267	-278	-281	-294	-289	-281	-272	-262	-257	-255	-257	-259	-265	-272	-272	-264	-252	-242	-264
8	-238	-235	-231	-235	-260	-282	-282	-286	-283	-267	-264	-263	-260	-246	-238	-230	-231	-248	-263	-268	-268	-270	-276	-256	-256
9	-281	-289	-291	-298	-302	-285	-274	-273	-257	-243	-227	-210	-195	-188	-188	-181	-172	-164	-163	-157	-148	-144	-147	-148	-218
10	-149	-145	-142	-139	-136	-135	-139	-151	-156	-173	-185	-192	-191	-193	-199	-206	-215	-227	-235	-248	-254	-261	-274	-277	-193
11	-286	-289	-300	-300	-295	-308	-305	-304	-308	-306	-296	-276	-255	-249	-245	-234	-231	-228	-221	-212	-210	-208	-207	-205	-262
12	-203	-202	-228	-242	-228	-229	-229	-239	-244	-249	-238	-236	-229	-223	-221	-221	-230	-237	-241	-249	-269	-283	-270	-292	-239
13	-292	-294	-282	-278	-293	-302	-309	-320	-320	-317	-309	-304	-296	-283	-277	-274	-279	-279	-283	-285	-292	-294	-291	-293	-293
14	-294	-294	-306	-313	-315	-302	-308	-316	-303	-311	-305	-297	-291	-288	-285	-287	-297	-303	-307	-327	-328	-337	-328	-305	-305
15	-326	-332	-338	-335	-347	-347	-349	-348	-346	-349	-333	-294	-282	-290	-292	-289	-288	-285	-279	-277	-273	-273	-270	-266	-309
16	-266	-264	-262	-262	-261	-262	-280	-270	-261	-258	-255	-254	-254	-249	-246	-241	-241	-244	-248	-249	-252	-258	-273	-285	-258
17	-304	-301	-309	-308	-324	-322	-321	-332	-336	-340	-333	-320	-308	-305	-305	-300	-299	-300	-303	-306	-317	-317	-318	-326	-315
18	-321	-322	-324	-325	-329	-333	-344	-352	-352	-344	-338	-326	-315	-309	-309	-305	-305	-307	-311	-303	-315	-322	-325	-323	-323
19	-314	-306	-312	-310	-310	-312	-319	-316	-317	-316	-298	-285	-272	-254	-243	-240	-252	-266	-274	-286	-289	-293	-292	-298	-291
20	-296	-301	-307	-301	-297	-293	-296	-306	-303	-293	-273	-241	-223	-204	-199	-178	-163	-152	-141	-134	-126	-116	-112	-110	-224
21	-103	-108	-121	-130	-142	-148	-139	-154	-153	-156	-139	-137	-130	-111	-109	-105	-108	-116	-119	-137	-155	-149	-155	-155	-132
22	-153	-151	-155	-156	-159	-160	-159	-160	-159	-160	-157	-149	-139	-134	-126	-118	-112	-105	-110	-119	-122	-128	-125	-119	-137
23	-118	-114	-112	-113	-111	-109	-128	-131	-140	-143	-142	-131	-111	-102	-101	-103	-115	-125	-120	-127	-133	-143	-167	-123	-123
24	-178	-196	-214	-207	-210	-222	-228	-241	-244	-242	-236	-230	-222	-217	-215	-212	-211	-208	-207	-210	-218	-216	-219	-220	-218
25	-217	-218	-221	-221	-218	-214	-214	-217	-217	-211	-207	-202	-193	-187	-182	-177	-174	-172	-170	-172	-176	-177	-182	-188	-197
26	-187	-185	-188	-183	-175	-168	-161	-158	-155	-155	-150	-144	-140	-132	-126	-118	-114	-114	-112	-102	-101	-99	-99	-99	-140
27	-99	-98	-99	-97	-98	-98	-98	-98	-97	-98	-94	-86	-79	-76	-74	-76	-79	-88	-105	-104	-100	-94	-89	-85	-92
28	-86	-86	-85	-82	-98	-111	-137	-131	-118	-137	-158	-167	-173	-174	-174	-176	-183	-192	-210	-224	-239	-243	-253	-161	-161
29	-264	-276	-284	-295	-292	-297	-308	-313	-312	-312	-311	-295	-274	-260	-247	-236	-229	-226	-235	-241	-257	-251	-265	-271	-271
30	-263	-268	-274	-285	-282	-282	-290	-298	-300	-293	-259	-230	-214	-198	-199	-180	-169	-182	-208	-200	-197	-191	-184	-176	-234
31	-174	-170	-173	-171	-169	-166	-167	-167	-170	-169	-161	-156	-150	-147	-145	-144	-146	-157	-168	-186	-189	-185	-189	-190	-167

MEAN -230 -231 -235 -237 -240 -242 -245 -249 -249 -249 -241 -232 -223 -217 -213 -208 -208 -208 -213 -216 -220 -223 -223 -225 -228 -229
 MOYENNE

*TEMPERATURES IN TENTHS OF DEGREES CELSIUS
 *TEMPERATURES EN DIXIEME DEGRES CELSIUS

HOUR ->	DIR.																								PEAK WIND SPEED	WIND TIME
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
D	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
A	17	13	9	9	7	6	4	9	7	4	6	2	7	9	0	0	0	0	6	4	4	0	4	15		
Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
O	13	6	13	7	6	6	6	2	6	6	4	0	7	11	7	9	11	15	22	19	22	22	20	22		
F	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
M	19	19	19	26	20	22	19	15	11	9	7	6	13	13	15	15	15	7	9	7	9	17	15	15		
O	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
M	15	22	15	13	13	13	13	17	13	17	13	17	13	17	13	17	13	17	13	17	13	17	13	17		
T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
H	7	6	9	13	13	15	13	13	17	13	13	17	13	13	17	13	13	17	13	13	17	13	13			
	NE	N	NE	E	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E			
5	7	6	9	13	13	15	13	13	17	13	13	17	13	13	17	13	13	17	13	13	17	13	13			
6	NE	NE	N	NE	N	NE	N	NE	N	NE	N	NE	N	NE	N	NE	N	NE	N	NE	N	NE	N			
	33	30	32	24	30	32	30	17	20	28	32	28	26	20	20	24	24	22	26	26	20	20	19	20		
7	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
	17	13	11	17	20	15	11	7	9	7	13	11	11	9	9	6	7	0	0	0	11	6	0	6		
8	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
	7	7	7	6	11	7	6	9	11	2	6	6	9	11	13	11	11	9	6	9	11	7	9	0		
9	C	C	SSE	SSE	SE	S	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
	0	0	7	9	7	11	15	15	19	20	22	33	41	41	52	44	48	50	52	52	50	44	37	41		
10	S	S	SSU	SSU	WSU	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW			
	37	30	24	19	11	22	26	33	32	32	24	24	28	26	28	32	30	24	15	15	15	15	7	9		
11	U	U	U	WSW	U	WSW	WSU	C	SSE	S	SSE	SE	SE	SE	SE	SE	SE	ESE	ESE	SE	SSE	SSE	SSE	SSE		
	13	13	9	13	4	7	4	0	6	15	9	11	19	19	20	19	19	24	28	15	19	7	4	4		
12	C	U	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW		
	0	6	9	13	11	11	11	15	15	19	19	19	19	17	20	19	15	19	20	19	6	20	11			
13	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW		
	4	13	20	26	17	22	15	19	17	19	19	24	19	20	19	15	22	20	20	22	20	22	24			
14	U	NW	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		
	20	17	15	13	19	17	17	19	20	19	20	19	20	19	22	26	17	15	15	17	17	22	20	19		
15	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW		
	15	9	17	15	15	15	15	15	11	11	15	11	11	0	0	7	11	17	17	20	20	24	22	22		
16	S	SSE	S	SSE	S	C	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
	17	13	15	15	11	6	0	9	11	11	19	15	15	19	17	17	17	17	24	26	32	30	26	24		
						</																				

DAILY WEATHER SUMMARY FOR JANUARY, 1994 AT WINNIPEG, MANITOBA

1. Variable cloudiness with snow beginning early morning then ending late afternoon. Maximum temperature well below normal, minimum below normal. Winds light.
2. Variable cloudiness becoming overcast with snow late afternoon. Temperatures well below normal. Winds light increasing to moderate early evening.
3. Mainly cloudy with snow ending early morning. Snow beginning again early evening. Temperatures slightly below normal. Winds moderate decreasing to light early morning.
4. Overcast with snow ending overnight becoming sunny early morning. Maximum temperature below normal, minimum well below normal. Winds light.
5. Clear overnight becoming overcast late morning. Snow and blowing snow beginning early evening. Temperatures well below normal. Winds light becoming moderate early afternoon.
6. Mainly cloudy with snow and blowing snow. Maximum temperature well below normal, minimum slightly below normal. Winds moderate becoming light late evening.
7. Variable cloudiness with snow ending early morning, beginning again late evening. Maximum temperature well below normal, minimum below normal. Winds light.
8. Overcast with snow ending overnight becoming clear early morning. Maximum temperature well below normal, minimum below normal. Winds light.
9. Clear becoming overcast with snow and blowing snow mid morning. Maximum temperature near normal, minimum below normal. Winds light increasing strong gusting gale early afternoon.
10. Overcast with snow ending overnight becoming sunny late morning. Maximum temperature near normal, minimum below normal. Winds moderate decreasing light early evening.
11. Clear becoming overcast with snow early afternoon. Temperatures below normal. Winds light to moderate.
12. Variable cloudiness with snow ending overnight. Temperatures below normal. Winds light.
13. Mainly sunny. Temperatures well below normal. Winds light to moderate.
14. Mainly sunny. Temperatures well below normal. Winds light to moderate.
15. Mainly sunny becoming overcast early afternoon. Snow beginning late evening. Temperatures well below normal. Winds light increasing to moderate early evening.
16. Mainly cloudy with snow. Temperatures well below normal. Winds light increasing to moderate early evening.
17. Variable cloudiness with ice crystals beginning early afternoon. Temperatures well below normal. Winds light to moderate.
18. Clear. Temperatures well below normal. Winds light.
19. Clear. Temperatures well below normal. Winds light.
20. Clear overnight becoming cloudy mid morning. Maximum temperature above normal, minimum below normal. Winds light increasing to moderate mid afternoon, decreasing to light mid evening.
21. Variable cloudiness. Maximum temperature above normal, minimum well above normal. Winds light.
22. Mainly cloudy. Maximum temperature above normal, minimum well above normal. Winds light.
23. Variable cloudiness with flurries. Temperatures above normal. Winds light.
24. Clear overnight becoming mainly cloudy mid afternoon. Maximum temperature slightly below normal, minimum near normal. Winds light.
25. Mainly cloudy. Maximum temperature slightly below normal, minimum slightly above normal. Winds light.
26. Overcast with snow beginning early morning. Temperatures above normal. Winds light to moderate.
27. Mainly cloudy with snow ending late afternoon. Maximum temperature above normal, minimum well above normal. Winds light.
28. Variable cloudiness with snow ending mid afternoon. Maximum temperature above normal, minimum slightly below normal. Winds light to moderate.
29. Mainly sunny with mid morning ice crystals. Temperatures well below normal. Winds light.
30. Variable cloudiness with afternoon ice crystals. Maximum temperature slightly below normal, minimum near normal. Winds light.
31. Variable cloudiness with flurries ending early afternoon. Maximum temperature near normal, minimum slightly above normal. Winds light.