



MONTHLY METEOROLOGICAL SUMMARY  
SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

January 1997

WINNIPEG INT'L AIRPORT

Janvier 1997

LAT 49° 54N LONG 97° 17W		ALTITUDE 240 ÉLEVATION 240		MÈTRES (ASL) MÈTRES (NMM)		STANDARD TIME USED: HEURE NORMALE UTILISÉE:				CENTRAL CENTRALE									
DATE	TEMPERATURE TEMPÉRATURE			DEGREE DAYS DEGRÉS-JOURS			REL. HUMIDITY HUMIDITÉ REL.		ORAGE THUNDERSTORM	PRECIPITATION PRÉCIPITATIONS			NEIGE AU SOL SNOW ON GROUND	WINDS VENTS				INSOLATION EFFECTIVE BRIGHT SUNSHINE HEURES HOURS	
	MAXIMALE MAXIMUM	MINIMUM	MOYENNE MEAN	DE CHAUFFE HEATING	DE CROISSANCE GROWING	DE RÉFÉRIERATION COOLING	MAXIMALE MAXIMUM	MINIMALE MINIMUM		PLUIE (HAUTEUR) RAINFALL	NEIGE (HAUTEUR) SNOWFALL	PRÉCIP. TOTAL TOTAL PRECIP.		VITESSE MOYENNE AVERAGE SPEED	DIRECTION DOMINANTE PREVAILING	DIRECTION	VITESSE MOYENNE MAX SUR 2 MIN & DIRECTION		MAX 2 MIN MEAN SPEED & DIRECTION
	°C	°C	°C	Base 18°	Base 5°C	Base 18°	%	%		mm	cm	mm		cm	km/h				km/h
1	-5.7	-15.2	-10.5	28.5			92	88	TR	5.0	4.6	54	15.8	S	S	37	0.0		
2	-2.4	-14.2	-8.3	26.3			97	81		TR	TR	57	21.6	NW	S	31	0.0		
3	-14.0	-21.2	-17.6	35.6			93	82				57	12.8	NE	NE	24	5.9		
4	-14.1	-17.7	-15.9	33.9			84	65				57	24.4	N	NNE	31	0.0		
5	-14.7	-24.4	-19.6	37.6			76	66		TR	TR	57	23.6	N	NNW	33	3.1		
6	-20.6	-29.9	-25.3	43.3			84	64		TR	TR	56	7.9	NW	NW	17	6.0		
7	-14.2	-30.0	-22.1	40.1			77	63				56	11.8	SE	ESE	17	0.8		
8	-14.1	-20.9	-17.5	35.5			80	68		1.4	1.0	56	11.4	S	SE	15	5.0		
9	-13.9	-23.3	-18.6	36.6			82	69		5.2	4.4	57	31.0	NNW	NNW	46	0.3		
10	-21.2	-25.2	-23.2	41.2			71	65		TR	TR	58	32.1	NNW	NNW	46	5.6		
11	-22.8	-26.5	-24.7	42.7			68	63		0.4	0.4	59	30.2	NNW	NNW	35	0.1		
12	-21.2	-26.0	-23.6	41.6			69	61				59	18.9	NNW	NNW	30	6.1		
13	-13.1	-25.8	-19.5	37.5			66	56				59	20.8	SW	SW	30	6.4		
14	-13.6	-18.8	-16.2	34.2			78	60				58	30.8	S	S	39	8.0		
15	-12.7	-25.2	-19.0	37.0			80	51		TR	TR	58	36.7	NNW	N	59	6.6		
16	-20.5	-27.4	-24.0	42.0			60	50				58	25.9	NW	NW	44	8.1		
17	-18.8	-31.1	-25.0	43.0			61	49				56	22.3	WNW	WNW	33	7.6		
18	-13.2	-24.3	-18.8	36.8			83	49		0.6	0.6	55	20.0	S	S	43	0.0		
19	-1.7	-15.2	-8.5	26.5			95	74				55	20.0	W	W	30	4.3		
20	-8.8	-19.5	-14.2	32.2			94	76				54	11.3	NNE	NNE	19	1.4		
21	-4.1	-14.5	-9.3	27.3			95	76	0.6	3.0	3.6	54	28.8	E	NNE	69	0.0		
22	-14.5	-29.5	-22.0	40.0			90	60		TR	TR	56	39.6	NNE	NNE	67	7.1		
23	-16.7	-29.8	-23.3	41.3			82	61		1.0	1.0	56	14.4	SSE	SSE	20	1.8		
24	-19.6	-27.9	-23.8	41.8			74	59		1.4	1.4	55	21.9	N	N	37	3.4		
25	-25.5	-31.0	-28.3	46.3			69	58				55	13.4	NW	NNW	20	6.5		
26	-24.2	-34.4	-29.3	47.3			69	60		1.4	1.4	55	9.6	S	S	22	0.2		
27	-24.0	-32.4	-28.2	46.2			72	55		TR	TR	55	12.8	W	WSW	28	3.8		
28	-26.2	-32.5	-29.4	47.4			65	50		TR	TR	55	11.8	WNW	W	24	4.1		
29	-20.4	-32.1	-26.3	44.3			71	49		TR	TR	54	18.9	S	S	39	3.4		
30	-9.5	-20.4	-15.0	33.0			91	73		5.4	4.2	54	19.5	S	S	41	0.9		
31	-9.2	-14.1	-11.7	29.7			93	79		TR	0.2	55	16.6	N	N	35	4.0		
	MEAN -15.3 MOY.	MEAN -24.5 MOY.	MEAN -19.9 MOY.	TOTAL 1176.7	TOTAL 0.0	TOTAL 0.0	MEAN 79 MOY.	MEAN 63 MOY.	TOTAL	TOTAL 0.6	TOTAL 25.0	TOTAL 22.8	MEAN 20.5 MOY.	PREVAILING S DOMINANTE	MAXIMUM NNE MAXIMALE	69	TOTAL 110.5		
NORMAL NORMALE	-13.2	-23.6	-18.3	1129.1						0.3	22.6	19.3	18.0	WNW			119.7		
DEGREE DAY SUMMARY/SOMMAIRE DE DEGRÉS-JOURS												DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES:				DAYS WITH SNOWFALL: JOURS AVEC CHÛTES 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	0.5 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE	0.2 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE		
	TOTAL FOR MONTH TOTAL DU MOIS	1176.7	1266.4	1129.1	0.0	0.0	0.0	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS		
ACCUMULATED SINCE JULY 1 ACCUMULÉS DEPUIS LE 1ER JUILLET	3784.7	3806.2	3449.8	ACCUMULATED SINCE APRIL 1 ACCUMULÉS DEPUIS LE 1ER AVRIL	1741.9	1831.1	1800.3	8	8	4			11	8	4				

1. Climatological Day/Journée climatologique  
2. Normal/Normale 1961-1990  
3. TR = Trace  
4. M = Missing/Manquant  
5. No entry/Pas de valeur = No occurrence/Pas d'événement  
6. C = Calm/Calm



COMPARATIVE RECORDS AT: RELEVÉS COMPARATIFS À:		WINNIPEG INT'L AIRPORT					January 1997 Janvier 1997						
		THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						NO. OF YEARS NO. D'ANNÉES
		VALUE RELEVÉ	DAY JOUR	VALUE RELEVÉ	DAY JOUR		HIGHEST EVER MAXIMUM ABSOLU			LOWEST EVER MINIMUM ABSOLU			
							VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	
HIGHEST TEMPERATURE (MAXIMUM) TEMPÉRATURE MAXIMALE	°CELSIUS	-1.7	19	2.8	12		7.8	23	1942				125
LOWEST TEMPERATURE (MINIMUM) TEMPÉRATURE MINIMALE	°CELSIUS	-34.4	26	-39.4	19					-44.4	15	1877	125
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	°CELSIUS	-19.9		-22.8		-18.3	-10.6		1944	-26.9		1875	125
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE FLUÏE	Millimetres (mm) Millimètres (mm)	0.6		TR		0.3	3.8		1944	0.0		1979	125
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	Centimetres (cm) Centimètres (cm)	25.0		27.2		22.6	85.3		1916	2.8		1973	125
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	Millimetres (mm) Millimètres (mm)	22.8		22.6		19.3	85.3		1916	2.5		1973	125
NUMBER OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		11		11		12	20		1954	3		1973	125
GREATEST RAINFALL IN ONE DAY HAUTEUR DE FLUÏE MAXIMALE EN UNE JOURNÉE	Millimetres (mm) Millimètres (mm)	0.6	21	TR	8		3.8	20	1944				125
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	Centimetres (cm) Centimètres (cm)	5.4	30	11.8	8		31.8	2	1907				125
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	Millimetres (mm) Millimètres (mm)	4.6	1	9.4	8		31.8	2	1907				125
MAXIMUM RAINFALL RECORDED IN HAUTEUR DE FLUÏE ENREGISTRÉE EN													
5 MINUTES	Millimetres (mm) Millimètres (mm)	M		TR	8		0.0						1997
10 MINUTES	Millimetres (mm) Millimètres (mm)	M		TR	8		0.0						1997
15 MINUTES	Millimetres (mm) Millimètres (mm)	M		TR	8		0.0						1997
30 MINUTES	Millimetres (mm) Millimètres (mm)	M		TR	8		0.0						1997
60 MINUTES	Millimetres (mm) Millimètres (mm)	M		TR	8		0.0						1997
24 CONSECUTIVE HOURS HEURES CONSÉCUTIVES	Millimetres (mm) Millimètres (mm)	0.6	21	TR	8		3.8	20	1944				125
MEAN WIND SPEED (KMH) VITESSE MOYENNE DU VENTS (KMH)		20.5		17.1		18.0	22.9		1943	12.6		1979	76
MAXIMUM WIND SPEED (2 MIN MEAN) (KMH) VITESSE MAXIMALE (MOYENNE SUR 2 MIN.) (KMH)		NNE 69	21	S 52	7		N 97	13	1942				58
MAXIMUM GUST SPEED (KMH) POINTE DU VENT MAXIMALE (KMH)		NNE 81	21	N 85	29		N106	26	1982				50
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		110.5		116.9		119.7	160.3		1959	63.5		1931	115
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		99.04		99.16		98.87	99.72		1966	98.06		1990	58
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMAL À LA STATION (kPa)		100.80	12	100.94	5		102.07	10	1949				58
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.27	2	97.25	12					94.81	14	1947	58
<b>CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST 10 YEARS DONNÉES CLIMATOLOGIQUES CE MOIS-CI POUR LES 10 DERNIÈRES ANNÉES</b>													
YEAR ANNÉE	MAXIMUM TEMPERATURE TEMPÉRATURE MAXIMALE	MINIMUM TEMPERATURE TEMPÉRATURE MINIMALE	MEAN TEMPERATURE TEMPÉRATURE MOYENNE	RAINFALL HAUTEUR DE FLUÏE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP TOTAL	MEAN WIND SPEE VITESSE MOYENNE DES VENTS	MAXIMUM WIND SPEED VITESSE MAXIMALE DES VENTS	SUNSHINE HOURS HEURES INSOLATION	HEATING DEGREE DAYS DEGRES-JOURS DE CHAUFFE	GROWING DEGREE DAYS DEGRES-JOURS DE CROISSANCE	COOLING DEGREE DAYS DEGRES-JOURS DE REFRIGÉRATION	S.A.S A.S.N.
1988	1.0	-33.0	-13.1	0.4	10.2	8.8	15.9	NNW 46	120.3	1123.7	0.0	0.0	31.8
1989	2.2	-35.7	-15.8	TR	58.3	52.2	17.2	NNE 54	107.8	1047.6	0.0	0.0	124.0
1990	5.1	-32.4	-11.6	0.8	26.0	24.4	16.2	NW 69	103.2	918.0	0.0	0.0	63.6
1991	2.4	-37.3	-18.9	0.4	16.6	15.2	15.1	SSW 48	139.3	1142.8	0.0	0.0	52.7
1992	4.4	-31.3	-11.5	0.2	15.0	14.0	20.1	S 59	90.7	913.1	0.0	0.0	86.8
1993	5.1	-35.3	-16.6	TR	18.4	14.0	16.6	S 50	127.8	1072.7	0.0	0.0	100.4
1994	-7.2	-35.3	-23.0	0.0	20.8	14.0	15.5	SSE 52	130.8	1274.8	0.0	0.0	62.8
1995	2.2	-34.6	-16.0	0.2	28.8	19.6	15.1	WNW 43	75.6	1057.6	0.0	0.0	61.0
1996	2.8	-39.4	-22.8	22.6	27.2	22.6	17.1	SSE 52	116.9	1266.4	0.0	0.0	72.3

NOTE/AVIS

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	-95	-102	-120	-135	-143	-135	-145	-146	-148	-151	-146	-141	-132	-125	-115	-111	-113	-107	-95	-73	-68	-65	-58	-63	-115
A 2	-66	-68	-69	-80	-63	-48	-28	-53	-36	-66	-57	-54	-62	-69	-74	-81	-91	-111	-127	-120	-126	-122	-128	-132	-81
T 3	-142	-158	-173	-188	-202	-205	-202	-203	-195	-205	-200	-178	-180	-167	-161	-162	-165	-172	-173	-164	-156	-150	-145	-142	-175
E 4	-141	-142	-143	-144	-146	-153	-153	-160	-165	-170	-172	-169	-165	-164	-163	-162	-163	-162	-167	-171	-172	-174	-176	-176	-162
5	-175	-177	-174	-174	-174	-174	-168	-165	-164	-165	-161	-156	-151	-150	-152	-162	-180	-193	-203	-209	-214	-223	-234	-178	
6	-243	-249	-249	-252	-261	-268	-265	-269	-275	-275	-268	-250	-233	-223	-213	-207	-215	-231	-242	-263	-263	-275	-290	-272	-253
7	-298	-296	-272	-249	-274	-267	-270	-268	-269	-261	-249	-223	-208	-192	-186	-177	-167	-182	-167	-147	-148	-144	-144	-147	-218
8	-161	-150	-152	-164	-174	-181	-190	-190	-205	-194	-194	-172	-160	-154	-149	-145	-150	-164	-163	-155	-152	-147	-142	-143	-166
9	-142	-142	-145	-146	-147	-145	-142	-141	-145	-153	-164	-172	-172	-175	-174	-188	-199	-204	-209	-213	-218	-222	-227	-231	-177
10	-231	-232	-230	-224	-222	-236	-234	-240	-243	-244	-237	-236	-231	-212	-218	-219	-222	-243	-249	-252	-244	-246	-245	-243	-236
11	-246	-259	-263	-256	-254	-253	-254	-250	-248	-248	-249	-247	-249	-245	-240	-238	-236	-237	-234	-237	-238	-235	-232	-230	-246
12	-228	-227	-226	-230	-231	-235	-239	-243	-242	-235	-232	-235	-229	-220	-213	-215	-238	-245	-247	-246	-249	-240	-247	-235	-235
13	-252	-256	-249	-226	-218	-220	-226	-218	-219	-202	-197	-174	-164	-151	-142	-141	-132	-139	-149	-153	-148	-145	-144	-149	-185
14	-144	-144	-154	-159	-160	-165	-163	-160	-166	-184	-184	-179	-176	-172	-171	-173	-180	-180	-176	-168	-160	-155	-159	-160	-167
15	-160	-160	-157	-156	-159	-155	-148	-129	-140	-141	-146	-167	-174	-173	-183	-193	-199	-209	-215	-228	-239	-234	-243	-238	-182
16	-252	-228	-223	-221	-223	-225	-225	-228	-244	-246	-243	-233	-219	-213	-208	-206	-208	-230	-239	-235	-246	-244	-253	-263	-232
17	-272	-279	-292	-282	-288	-288	-310	-293	-277	-277	-261	-249	-218	-205	-198	-191	-199	-202	-228	-233	-234	-243	-234	-234	-250
18	-240	-232	-236	-242	-237	-229	-223	-221	-215	-208	-192	-183	-174	-170	-162	-157	-151	-146	-151	-160	-140	-141	-144	-142	-188
19	-132	-135	-119	-102	-94	-83	-67	-62	-55	-53	-46	-38	-29	-23	-19	-17	-26	-43	-66	-87	-98	-103	-134	-70	
20	-148	-135	-150	-166	-171	-152	-165	-180	-183	-193	-188	-169	-170	-161	-149	-143	-142	-141	-136	-127	-119	-113	-106	-96	-151
21	-89	-85	-81	-79	-73	-68	-59	-56	-50	-49	-44	-43	-43	-45	-43	-49	-52	-55	-61	-76	-86	-108	-123	-132	-70
22	-145	-155	-164	-176	-186	-206	-218	-224	-239	-251	-253	-251	-251	-244	-240	-237	-242	-247	-252	-262	-273	-280	-287	-288	-233
23	-288	-298	-288	-241	-243	-242	-241	-243	-237	-239	-231	-227	-215	-210	-196	-188	-182	-176	-167	-172	-171	-174	-187	-193	-220
24	-229	-227	-220	-212	-223	-207	-202	-197	-201	-202	-206	-203	-205	-212	-219	-220	-225	-240	-260	-257	-274	-275	-273	-227	-285
25	-277	-278	-282	-285	-288	-297	-293	-288	-292	-295	-286	-275	-271	-262	-261	-257	-257	-265	-282	-291	-284	-292	-295	-307	-283
26	-308	-316	-319	-322	-324	-340	-340	-341	-331	-332	-324	-311	-289	-281	-278	-271	-261	-253	-250	-247	-246	-243	-244	-244	-293
27	-258	-256	-266	-268	-274	-298	-313	-306	-308	-314	-298	-287	-277	-272	-262	-248	-248	-252	-251	-248	-240	-245	-254	-262	-271
28	-262	-276	-282	-287	-298	-318	-311	-321	-315	-306	-296	-285	-281	-278	-275	-278	-275	-278	-274	-272	-272	-270	-265	-289	-289
29	-262	-264	-265	-275	-283	-290	-301	-319	-313	-293	-267	-256	-245	-240	-234	-229	-230	-234	-235	-230	-218	-213	-210	-257	-257
30	-204	-197	-188	-185	-183	-184	-181	-174	-170	-164	-155	-147	-137	-135	-126	-125	-120	-116	-116	-114	-110	-101	-101	-99	-148
31	-95	-93	-94	-106	-113	-121	-115	-118	-121	-126	-139	-138	-134	-130	-121	-120	-117	-112	-107	-114	-113	-111	-109	-104	-116
Mean	-201	-202	-202	-202	-205	-207	-207	-207	-208	-209	-204	-197	-190	-185	-180	-179	-180	-186	-189	-192	-191	-192	-194	-196	-197
Moyenne																									

\*Temperatures In Tenths of Degrees Celsius  
\*Temperatures En Dixieme Degres Celsius

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	-107	-114	-132	-148	-156	-148	-157	-159	-160	-164	-159	-153	-146	-138	-131	-125	-125	-119	-106	-85	-80	-78	-74	-77	-128
A 2	-78	-80	-81	-91	-79	-66	-47	-58	-52	-79	-70	-69	-79	-93	-100	-107	-117	-138	-148	-140	-145	-140	-149	-152	-99
T 3	-162	-176	-184	-202	-214	-217	-211	-215	-207	-216	-212	-195	-196	-188	-184	-184	-187	-191	-191	-184	-178	-171	-167	-166	-193
E 4	-167	-167	-168	-171	-171	-175	-176	-182	-186	-192	-194	-190	-188	-187	-208	-201	-203	-206	-210	-214	-216	-221	-223	-226	-194
5	-222	-224	-221	-217	-223	-220	-216	-215	-212	-208	-202	-200	-188	-185	-187	-191	-202	-221	-234	-245	-250	-256	-265	-274	-221
6	-285	-290	-289	-294	-303	-308	-305	-306	-314	-315	-306	-288	-272	-259	-254	-249	-259	-262	-289	-283	-295	-321	-320	-320	-292
7	-332	-326	-318	-289	-323	-307	-310	-307	-313	-304	-288	-258	-241	-224	-217	-213	-210	-224	-208	-198	-193	-194	-200	-202	-259
8	-206	-195	-196	-210	-216	-222	-229	-226	-242	-226	-233	-209	-195	-188	-183	-182	-185	-195	-194	-186	-181	-174	-170	-170	-202
9	-169	-169	-169	-171	-173	-170	-167	-166	-171	-180	-194	-204	-208	-215	-215	-226	-238	-244	-250	-254	-258	-262	-268	-273	-210
10	-272	-274	-271	-266	-261	-278	-276	-282	-289	-289	-279	-281	-277	-258	-263	-265	-271	-290	-296	-296	-289	-291	-290	-288	-280
11	-292	-307	-310	-302	-301	-301	-303	-298	-293	-296	-299	-295	-295	-292	-288	-286	-281	-282	-284	-287	-288	-280	-280	-274	-293
12	-271	-275	-278	-278	-278	-284	-290	-291	-292	-285	-283	-290	-286	-284	-276	-264	-267	-284	-290	-292	-287	-291	-291	-295	-284
13	-302	-303	-298	-279	-274	-274	-276	-270	-270	-258	-251	-236	-228	-216	-211	-205	-201	-198	-201	-203	-202	-200	-203	-203	-241
14	-203	-198	-207	-216	-221	-222	-222	-221	-222	-239	-238	-232	-230	-226	-224	-222	-222	-220	-213	-204	-191	-186	-189	-192	-215
15	-193	-193	-184	-191	-200	-200	-189	-160	-177	-171	-174	-208	-214	-217	-233	-251	-257	-276	-290	-290	-294	-300	-304	-299	-229
16	-309	-286	-286	-285	-290	-293	-290	-292	-302	-303	-300	-289	-285	-271	-275	-277	-285	-291	-297	-297	-306	-308	-315	-323	-295
17	-329	-336	-347	-338	-344	-346	-364	-348	-334	-333	-326	-313	-286	-276	-278	-272	-264	-276	-287	-288	-298	-303	-302	-303	-313
18	-306	-295	-295	-295	-292	-291	-291	-288	-286	-280	-274	-258	-239	-208	-192	-186	-180	-174	-179	-189	-163	-164	-168	-165	-237
19	-153	-154	-128	-110	-101	-97	-87	-85	-81	-78	-75	-71	-68	-64	-59	-56	-52	-56	-67	-84	-101	-113	-116	-148	-93
20	-156	-145	-161	-180	-183	-162	-178	-191	-196	-206	-200	-182	-186	-179	-169	-164	-163	-163	-154	-155	-149	-145	-140	-129	-169
21	-124	-119	-115	-111	-107	-101	-95	-87	-83	-79	-77	-70	-68	-56	-51	-56	-60	-63	-71	-85	-96	-120	-137	-145	-92
22	-160	-168	-177	-191	-222	-243	-257	-267	-283	-295	-301	-298	-301	-296	-294	-293	-297	-302	-307	-317	-325	-329	-336	-333	-276
23	-331	-343	-325	-294	-297	-294	-291	-293	-290	-281	-278	-267	-259	-244	-234	-222	-211	-203	-204	-202	-206	-219	-217	-218	-263
24	-266	-264	-258	-251	-262	-243	-237	-233	-242	-242	-246	-249	-253	-264	-270	-276	-293	-299	-311	-313	-325	-329	-328	-272	-272
25	-331	-329	-332	-336	-341	-347	-343	-338	-341	-343	-334	-323	-317	-314	-314	-316	-323	-332	-337	-329	-332	-341	-351	-333	-333
26	-353	-365	-366	-367	-374	-389	-383	-386	-380	-377	-366	-357	-336	-332	-333	-326	-317	-306	-297	-292	-290	-285	-287	-286	-341
27	-301	-294	-303	-311	-315	-351	-348	-350	-352	-351	-343	-329	-319	-315	-316	-313	-312	-311	-307	-304	-296	-301	-311	-317	-321
28	-316	-327	-334	-339	-346	-361	-355	-360	-366	-366	-358	-350	-344	-346	-343	-348	-346	-346	-345	-343	-339	-339	-326	-347	-347
29	-321	-328	-341	-341	-349	-344	-349	-366	-352	-343	-327	-316	-301	-293	-292	-283	-278	-276	-277	-272	-259	-256	-249	-309	-309
30	-241	-233	-225	-221	-218	-217	-213	-207	-203	-196	-185	-177	-167	-162	-156	-156	-146	-142	-137	-131	-123	-117	-113	-112	-176
31	-109	-109	-109	-119	-128	-139	-134	-138	-144	-146	-157	-157	-156	-155	-151	-146	-143	-138	-137	-133	-134	-129	-119	-114	-136
Mean	-239	-239	-240	-240	-245	-247	-245	-246	-247	-248	-244	-237	-231	-225	-224	-222	-223	-227	-230	-230	-230	-231	-234	-235	-237
Moyenne																									

\*Temperatures In Tenths of Degrees Celsius  
\*Temperatures En Dixieme Degres Celsius





Hourly Relative Humidity at:  
Humidite Horaire a:

Winnipeg Int'l Airport

January 1997  
Page 8

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	91	91	91	90	90	90	91	90	91	90	90	91	90	90	88	85	82	82	82	82	82	82	81	85	86	88
A 2	92	92	92	92	89	88	87	97	89	91	91	90	88	83	82	82	82	82	82	84	84	84	84	84	82	87
T 3	85	86	92	89	91	91	93	91	91	91	91	87	88	84	83	84	84	86	86	85	84	84	84	84	82	87
E 4	81	82	82	80	82	84	83	84	84	83	83	84	83	83	85	69	72	72	69	70	70	69	67	67	77	70
5	67	67	67	70	66	68	67	66	67	69	71	69	73	76	74	71	71	71	70	70	70	70	69	69	70	70
6	69	69	70	68	68	69	69	71	70	69	71	71	71	73	70	69	68	76	65	84	75	65	66	66	64	70
7	73	76	65	70	63	69	69	70	67	67	70	74	75	76	74	74	70	70	71	66	69	66	66	63	70	70
8	69	69	69	68	70	71	72	74	73	76	72	73	75	76	74	74	75	77	77	78	79	80	80	80	74	74
9	80	80	82	82	81	82	82	82	81	80	78	77	74	71	71	72	71	71	71	70	70	70	70	70	69	76
10	69	69	69	69	71	69	69	69	66	67	69	67	66	67	67	65	65	65	65	67	67	67	67	67	67	68
11	66	64	65	66	65	65	64	65	67	65	63	65	66	65	65	65	67	67	64	64	64	67	67	65	68	65
12	68	65	63	65	66	64	63	65	64	64	63	61	62	61	61	64	63	66	67	67	69	68	63	63	64	64
13	63	65	64	62	61	62	64	63	61	61	63	59	58	58	56	59	57	61	65	66	64	63	61	64	62	62
14	61	64	64	62	60	62	61	60	62	62	63	64	63	63	64	66	66	70	71	74	77	78	78	77	67	67
15	76	76	80	75	71	69	71	78	74	78	80	71	71	69	65	60	60	55	51	57	61	55	55	57	58	67
16	59	59	57	56	55	54	56	56	59	59	60	60	55	60	55	53	50	58	59	57	58	56	57	57	57	57
17	59	59	59	59	59	58	59	59	59	55	55	54	54	53	49	49	50	52	59	61	56	58	54	53	56	
18	55	57	59	62	59	57	54	55	53	53	49	52	57	73	78	79	79	80	80	79	83	83	82	83	67	
19	85	86	93	94	95	90	86	84	82	83	81	78	75	74	75	76	77	80	84	87	90	89	91	90	84	
20	94	93	92	89	91	93	90	92	90	90	91	90	88	86	85	85	85	84	87	80	79	78	76	77	87	
21	76	77	77	78	77	78	76	79	78	80	78	82	83	85	92	95	95	95	93	94	93	91	90	90	85	
22	89	90	90	89	74	73	71	68	67	67	65	65	63	62	61	60	61	61	60	60	62	63	63	65	69	
23	67	65	71	62	61	62	64	64	62	63	64	63	63	65	66	67	71	75	74	74	77	76	76	82	68	
24	72	72	72	71	71	73	74	73	73	71	71	70	68	70	67	64	64	62	59	63	60	62	60	60	60	67
25	60	62	63	62	61	62	62	62	63	63	64	64	62	60	61	59	58	58	63	65	66	69	65	65	66	63
26	65	62	63	65	61	61	65	64	62	64	66	64	64	62	60	60	60	62	65	67	67	69	68	69	64	
27	68	71	71	67	68	60	72	66	66	70	65	67	68	67	61	55	56	58	60	60	60	60	59	60	64	
28	61	62	61	61	63	64	62	62	62	65	61	61	60	57	54	54	50	53	52	51	51	53	52	57	58	
29	58	55	49	54	53	60	63	63	69	62	57	58	60	62	63	64	65	66	69	69	70	69	69	71	62	
30	73	73	73	74	74	76	76	76	76	77	78	78	79	81	79	78	81	81	85	88	91	89	91	91	80	
31	90	89	89	91	89	87	86	86	83	85	87	86	84	82	79	81	81	82	79	86	85	87	93	93	86	
Mean	72	72	73	72	71	71	72	72	71	72	71	71	71	71	70	69	70	70	71	72	72	72	72	72	71	
Moyenne	72	72	73	72	71	71	72	72	71	72	71	71	71	71	70	69	70	70	71	72	72	72	72	72	71	

Note/AVIS: 1. Climatological Day/Journee 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/Unité = percent/pour cent

DAILY WEATHER SUMMARY FOR JANUARY, 1997 AT WINNIPEG, MANITOBA

1. Overcast with snow early morning to early afternoon, and freezing rain and ice pellets late afternoon to mid evening. Temperatures well above normal. Winds light, increasing to moderate mid evening.
2. Cloudy to overcast with snow beginning early evening. Temperatures well above normal. Winds light to moderate, decreasing to light late evening.
3. Mainly sunny. Temperatures near normal. Winds light.
4. Cloudy to overcast. Maximum temperature near normal, minimum above normal. Winds increasing to moderate by mid morning.
5. Cloudy to overcast, clearing early evening. Temperatures near normal. Winds moderate, decreasing to light late afternoon.
6. Mainly sunny with ice crystals late morning to mid afternoon. Temperatures below normal. Winds light.
7. Cloudy to overcast. Maximum temperature near normal, minimum below normal. Winds light.
8. Sunny becoming overcast with snow early evening. Maximum near normal, minimum slightly below normal. Winds light.
9. Overcast with snow, visibilities reduced at times to less than 1 kilometre in blowing snow. Temperatures near normal. Winds increasing to be moderate to strong by late morning.
10. Sunny with drifting snow through the day, snow and blowing snow beginning late evening. Maximum temperature below normal, minimum near normal. Winds moderate.
11. Cloudy to overcast with snow and blowing snow. Maximum temperature well below normal, minimum slightly below normal. Winds moderate.
12. Sunny with drifting snow ending near noon. Maximum temperature below normal, minimum near normal. Winds moderate decreasing to light late morning.
13. Sunny. Temperatures near normal. Winds light, increasing to moderate near noon.
14. Sunny. Maximum temperature near normal, minimum above normal. Winds moderate.
15. Mainly sunny with blowing snow blowing snow mid morning to mid afternoon, and drifting snow from mid afternoon to early evening. Maximum temperature slightly above normal, minimum near normal. Winds moderate increasing to strong mid morning, decreasing to moderate late afternoon.
16. Sunny. Maximum temperature below normal, minimum slightly below normal. Winds moderate.
17. Sunny. Temperatures below normal. Winds moderate, decreasing to light early evening.
18. Cloudy to overcast with snow and drifting snow mid afternoon to early evening. Temperatures near normal. Winds increasing to moderate early morning, decreasing to light early evening.
19. Variable cloudiness. Temperatures well above normal. Winds increasing to moderate early morning, decreasing to light late afternoon.
20. Cloudy to overcast. Temperatures above normal. Winds light.
21. Overcast with freezing drizzle and snow beginning early afternoon. Changing to snow, and blowing snow with visibilities less than 1 km, early evening. Temperatures well above normal. Winds varying from light to moderate occasionally strong, increasing to strong early evening, occasionally gale force late evening.
22. Visibilities reduced the less than 1 km in blowing snow, becoming drifting snow mid morning, sunny through the day. Maximum temperature near normal, minimum below normal. Winds strong occasionally gale force early morning, decreasing slowly through the day to be light by mid evening.
23. Cloudy becoming overcast with snow late afternoon. Maximum temperature slightly below normal, minimum below normal. Winds light.
24. Overcast with snow to mid afternoon. Blowing snow beginning late morning, changing to drifting snow late afternoon. Drifting snow ending early evening. Maximum temperature below normal, minimum slightly below normal. Winds light increasing to moderate to strong mid morning, decreasing to light late evening.
25. Sunny. Maximum temperature well below normal, minimum below normal. Winds light.
26. Cloudy to overcast, snow beginning early evening. Temperatures well below normal. Winds light.
27. Mainly cloudy, flurries mid evening. Temperatures well below normal. Winds light. Increasing to moderate mid evening.
28. Sunny becoming cloudy mid afternoon. Temperatures well below normal. Winds light.
29. Sunny, becoming cloudy to overcast mid afternoon. Maximum temperature below normal, minimum well below normal. Winds light, increasing to moderate mid afternoon.
30. Snow overnight, cloudy to overcast through the day with snow beginning early evening. Maximum temperature above normal, minimum slightly above normal. Winds decreasing to light overnight, continuing light through the day.
31. Mix of sun and cloudy, becoming overcast with snow early evening, freezing drizzle beginning near midnight. Maximum temperature above normal, minimum well above normal. Winds moderate overnight, decreasing to light mid morning.