

MONTHLY METEOROLOGICAL SUMMARY

SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada

Environnement Canada

WINNIPEG INTL A (YWG) MONTH/MOIS: February/fevrier 2003

DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRES-JOURS			REL HUMIDITY HUMIDITE REL		PRECIPITATION PRECIPITATIONS			Snow On Ground
	MAX	MIN	MEAN	Heating	Growing	Cooling	MAX	MIN	Rainfall	Snowfall	Total	neige au sol
	C	C	C	base 18	base 5	base 18	%	%	mm	cm	mm	cm
1	-4.1	-7.1	-5.6	23.6	0.0	0.0	77	69	0.0	2.0	2.0	
2	-1.6	-15.7	-8.7	26.7	0.0	0.0	78	67	TR	0.5	0.5	
3	-13.7	-27.1	-20.4	38.4	0.0	0.0	75	59	0.0	0.0	0.0	
4	-16.8	-31.8	-24.3	42.3	0.0	0.0	69	57	0.0	TR	0.0	
5	-16.0	-28.8	-22.4	40.4	0.0	0.0	64	52	0.0	TR	0.0	
6	-19.8	-33.5	-26.7	44.7	0.0	0.0	62	50	0.0	0.0	0.0	
7	-6.5	-20.5	-13.5	31.5	0.0	0.0	76	59	0.0	TR	0.0	
8	-19.6	-28.5	-24.1	42.1	0.0	0.0	70	50	0.0	0.0	0.0	
9	-17.7	-32.2	-25.0	43.0	0.0	0.0	58	46	0.0	0.5	0.5	
10	-15.4	-32.5	-24.0	42.0	0.0	0.0	68	47	0.0	0.5	0.5	
11	-15.5	-25.5	-20.5	38.5	0.0	0.0	67	48	0.0	1.0	1.0	
12	-15.3	-28.2	-21.8	39.8	0.0	0.0	65	43	0.0	0.0	0.0	
13	-16.5	-28.8	-22.7	40.7	0.0	0.0	64	39	0.0	0.0	0.0	
14	-16.2	-34.4	-25.3	43.3	0.0	0.0	65	47	0.0	0.5	0.5	
15	-14.5	-36.0	-25.3	43.3	0.0	0.0	59	37	0.0	TR	TR	
16	-3.4	-14.9	-9.2	27.2	0.0	0.0	67	53	0.0	1.0	1.0	
17	-5.9	-8.8	-7.4	25.4	0.0	0.0	72	53	0.0	TR	TR	
18	-8.7	-15.4	-12.1	30.1	0.0	0.0	73	64	0.0	3.0	3.0	
19	-4.1	-14.0	-9.1	27.1	0.0	0.0	75	63	0.0	0.0	0.0	
20	-9.4	-21.1	-15.3	33.3	0.0	0.0	68	52	0.0	0.5	0.5	
21	-20.0	-30.7	-25.4	43.4	0.0	0.0	63	50	0.0	0.5	0.5	
22	-20.8	-33.8	-27.3	45.3	0.0	0.0	59	49	0.0	0.0	0.0	
23	-20.4	-33.5	-27.0	45.0	0.0	0.0	59	46	0.0	0.0	0.0	
24	-21.3	-35.9	-28.6	46.6	0.0	0.0	57	46	0.0	0.0	0.0	
25	-14.2	-26.2	-20.2	38.2	0.0	0.0	69	51	0.0	0.0	0.0	
26	-8.3	-29.6	-19.0	37.0	0.0	0.0	81	54	0.0	0.0	0.0	
27	-10.0	-23.9	-17.0	35.0	0.0	0.0	70	56	0.0	0.0	0.0	
28	-7.7	-20.5	-14.1	32.1	0.0	0.0	74	57	0.0	0.5	0.5	
TOTAL				1046.0	0.0	0.0			TR	10.5	10.5	totale
MEAN	-13.0	-25.7	-19.4				68	52				moyenne
NORMAL	-8.5	-18.7	-13.6	893.8	0.0	0.0			2.5	14.2	14.9	normale

- NOTE/AVIS:
1. Climatological Day / Journee Climatologique: 00 01 CST - 00 00 CST
 2. 30 Yr Normals / Normales duree 30 ans.
 3. TR = Trace.
 4. No entry = Missing / Pas de valeur = Manquant.

DRY BULB TEMPERATURES / TEMPERATURES DU THERMOMETRE SEC

HOUR / HEURE

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	-55	-51	-47	-48	-55	-54	-59	-63	-69	-67	-60	-53	-50	-45	-45	-50	-56	-56	-56	-59	-57	-57	-58	-55
2	-47	-44	-44	-44	-38	-37	-31	-32	-33	-44	-40	-28	-22	-28	-22	-36	-48	-54	-63	-68	-73	-84	-91	-133
3	-155	-153	-198	-193	-174	-197	-202	-215	-213	-213	-190	-180	-170	-163	-157	-155	-157	-177	-226	-223	-194	-258	-225	-244
4	-270	-265	-270	-273	-278	-294	-304	-315	-301	-297	-271	-251	-236	-212	-202	-195	-185	-189	-194	-198	-194	-188	-184	-178
5	-169	-169	-175	-181	-181	-182	-177	-172	-172	-174	-182	-184	-181	-173	-166	-162	-166	-179	-195	-230	-208	-219	-234	-248
6	-277	-293	-299	-303	-305	-317	-330	-327	-330	-318	-303	-277	-248	-233	-216	-219	-215	-217	-224	-224	-214	-205	-203	-200
7	-203	-199	-195	-183	-181	-160	-148	-142	-139	-121	-100	-66	-66	-71	-71	-67	-65	-76	-101	-122	-153	-168	-179	-186
8	-199	-226	-234	-251	-255	-258	-265	-269	-284	-275	-234	-223	-216	-212	-211	-202	-197	-204	-209	-212	-225	-227	-223	-215
9	-215	-226	-233	-234	-240	-251	-246	-247	-242	-231	-209	-191	-181	-184	-183	-184	-191	-205	-224	-233	-249	-280	-288	-303
10	-317	-317	-309	-317	-311	-305	-295	-299	-295	-274	-257	-237	-221	-202	-181	-174	-171	-166	-164	-168	-165	-160	-156	-162
11	-195	-208	-225	-184	-168	-169	-170	-161	-165	-179	-201	-207	-216	-224	-233	-235	-231	-236	-254	-248	-248	-243	-244	-238
12	-235	-248	-252	-259	-264	-266	-277	-251	-241	-223	-208	-193	-175	-172	-168	-167	-160	-155	-154	-161	-202	-209	-225	-225
13	-252	-222	-253	-238	-282	-273	-271	-281	-262	-247	-230	-215	-195	-189	-185	-178	-172	-171	-170	-167	-168	-167	-166	-167
14	-168	-168	-164	-165	-173	-189	-201	-200	-205	-227	-215	-216	-215	-217	-218	-218	-223	-237	-256	-282	-297	-287	-303	-319
15	-322	-328	-347	-314	-348	-338	-347	-346	-334	-324	-293	-236	-240	-210	-203	-197	-188	-183	-183	-190	-181	-170	-160	-146
16	-148	-140	-125	-118	-112	-107	-103	-105	-107	-108	-102	-96	-81	-69	-60	-47	-40	-34	-38	-43	-49	-56	-66	-69
17	-71	-75	-79	-76	-72	-73	-75	-75	-76	-76	-74	-71	-70	-67	-63	-62	-61	-60	-61	-67	-72	-72	-73	-83
18	-88	-90	-92	-96	-100	-109	-116	-124	-131	-137	-142	-146	-154	-151	-146	-144	-135	-135	-132	-129	-123	-122	-118	-114
19	-111	-109	-105	-104	-107	-111	-123	-128	-136	-119	-109	-87	-71	-66	-56	-47	-43	-48	-57	-72	-77	-83	-78	-80
20	-99	-109	-118	-129	-138	-149	-156	-167	-172	-180	-183	-183	-180	-179	-180	-180	-187	-190	-194	-198	-201	-203	-203	-208
21	-209	-212	-214	-218	-224	-226	-238	-249	-243	-238	-235	-230	-222	-210	-208	-202	-202	-209	-227	-250	-265	-275	-290	-296
22	-299	-273	-293	-317	-312	-321	-322	-324	-311	-287	-261	-246	-231	-220	-215	-209	-211	-222	-229	-230	-255	-269	-289	-287
23	-281	-278	-288	-298	-289	-302	-299	-310	-318	-288	-279	-260	-237	-216	-207	-206	-213	-227	-242	-261	-270	-304	-310	-316
24	-317	-344	-327	-355	-345	-348	-341	-334	-338	-326	-283	-265	-249	-250	-240	-224	-213	-214	-216	-226	-227	-231	-236	-239
25	-249	-251	-254	-256	-255	-255	-254	-254	-251	-237	-216	-196	-175	-167	-158	-148	-145	-146	-157	-191	-198	-232	-246	-221
26	-256	-246	-261	-246	-287	-247	-260	-230	-215	-200	-184	-162	-151	-134	-132	-119	-108	-94	-89	-85	-87	-103	-139	-165
27	-193	-190	-204	-214	-204	-215	-219	-236	-233	-209	-177	-145	-132	-124	-116	-110	-102	-118	-147	-167	-168	-165	-174	-197
28	-184	-186	-189	-171	-172	-202	-200	-195	-188	-173	-142	-121	-102	-94	-86	-83	-82	-86	-84	-82	-79	-79	-80	-82

NOTE/AVIS:

1. Unit = 0.1 C

1. Unite = 0.1 C

PRECIPITATION OCCURRENCES / ÉVÉNEMENT DES PRÉCIPITATIONS

HOUR / HEURE

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	S	S	S	S	S	S	S	S	S		S	S	S	S	S	S	S								
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Note/AVIS:

- R = Rain/pluie : S = Snow/neige : W = Showers/averse de : T = Thunderstorm/orage : L = Drizzle/bruise : Z = Freezing/verglacante
- SP = Snow Pellets/neige roulée : SG = Snow Grains/neige en grains : A = Hail/grêle : IP = Ice Pellets/gresil

WINNIPEG INTL A (YWG) MONTH/MOIS: February/fevrier 2003

		WINDS (km/h)											DES VENTS (km/h)											Pk	Hour			
Hour		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Gust	Heur		
Date		Rafale																										
1	ENE	E	ENE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	32	1100	
2	NE	NE	ENE	ENE	E	SE	SE	WSW	NW	C	C	C	C	C	C	WNW	WNW	WNW	NW	NNW	NNW	NW	NNW	NNW	NW	35	2100	
3	NNW	NW	NW	WNW	NW	WNW	NW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	32	1500	
4	NNW	NW	NW	NW	NW	WNW	NW	WNW	NW	WNW	NW	WNW	NW	WNW	NW	WNW	NW	WNW	NW	WNW	NW	WNW	NW	WNW	NW	32	1500	
5	S	S	SSW	SSW	SW	C	W	NNWN	N	N	N	N	N	N	N	N	N	N	N	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	32	1500	
6	NW	NNW	NNW	NW	NNW	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	39	1300	
7	S	S	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	46	0	
8	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	39	1300	
9	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	39	1300	
10	WNW	W	W	W	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	41	1500	
11	W	WNW	W	W	WSW	WNW	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	70	900	
12	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	15	22	
13	N	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	15	22	
14	N	NNW	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	15	22	
15	NNW	WNW	NNW	NW	NNE	E	C	C	C	SSE	NW	S	SSE	SE	S	S	SSE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	28	0	
16	SSE	SSE	S	S	S	S	S	S	S	S	S	S	SSE	S	S	S	S	S	S	SSE	S	S	S	S	S	28	0	
17	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	43	2100	
18	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	56	200	
19	W	C	C	C	SSE	C	S	SW	SSW	SW	SW	SSW	SW	SW	SSW	SW	SW	SSW	SW	SW	SSW	SW	SW	SSW	SW	50	1000	
20	NW	NNE	N	N	N	N	N	N	N	N	N	N	N	N	NNE	NNE	NNE	N	NNE	NNE	NNE	N	N	N	N	32	0	
21	N	NNE	N	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	46	100	
22	N	NNE	N	NW	WNW	WNW	NW	WNW	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	NNWN	35	400
23	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	6	0	
24	NW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	7	0	
25	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	33	2300	
26	C	C	C	SE	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	37	200	
27	0	0	0	4	6	4	6	9	13	9	15	17	22	20	20	20	20	24	19	11	4	11	17	11	11	11	11	
28	NW	NNW	NNW	NNW	NW	W	NW	NW	NNWN	NNE	N	NNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	7	
29	S	S	S	SW	SSW	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	6		
30	7	6	4	13	9	11	13	11	17	13	16	26	20	28	26	22	28	26	26	24	26	19	17	15	39	1500		

SUMMARY / SOMMAIRE

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pdir	NNE	NNW	NW	S	N	W	S	WNW	WSW	SSW	W	W	NW	NNE	ESE	S	S	NW	SW	N	N	NW	WNW	SSW	S	S	NW	S			
avgV	16	11	16	13	16	15	29	20	21	20	26	12	7	15	9	36	20	27	11	26	19	8	13	14	14	12	12	15			
dir2	S																W														

NOTE/AVIS: * indicates/indique < 24 hrs and/et >=1E hrs Fdir=Prevailing direction/Direction dominante dir2=2nd Fdir/2ieme Pdir