

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada

Environnement Canada

WINNIPEG INTL A (YWG) MONTH/MOIS: March/mars 2002

DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRES-JOURS			REL. HUMIDITY HUMIDITE REL		PRECIPITATION PRECIPITATIONS			Snow On
	MAX	MIN	MEAN	Heating	Growing	Cooling	MAX	MIN	Rainfall	Snowfall	Total	Ground
	C	C	C	de chauffe base 18	de crois- sance base 5	de refri- geration base 18	%	%	de pluie hauteur mm	de neige hauteur cm	precip. totales mm	neige au sol cm
1	-12.7	-24.7	-18.7	36.7	0.0	0.0	59	44	0.0	0.0	0.0	10
2	-17.4	-28.2	-22.8	40.8	0.0	0.0	65	44	0.0	TR	TR	10
3	-11.1	-29.8	-20.5	38.5	0.0	0.0	57	46	0.0	0.0	0.0	10
4	-8.5	-18.9	-13.7	31.7	0.0	0.0	90	65	0.0	1.5	1.5	10
5	-11.9	-22.3	-17.1	35.1	0.0	0.0	77	52	0.0	TR	TR	10
6	-16.4	-24.4	-20.4	38.4	0.0	0.0	61	49	0.0	0.0	0.0	10
7	-13.2	-22.7	-18.0	36.0	0.0	0.0	65	46	0.0	0.2	0.2	10
8	-11.8	-20.7	-16.3	34.3	0.0	0.0	74	56	0.0	7.0	3.5	9
9	-12.7	-18.1	-15.4	33.4	0.0	0.0	73	61	0.0	3.0	1.5	9
10	-8.8	-22.1	-15.5	33.5	0.0	0.0	73	48	0.0	TR	TR	13
11	-8.8	-12.8	-10.8	28.8	0.0	0.0	77	59	0.0	1.6	1.0	13
12	-0.1	-10.1	-5.1	23.1	0.0	0.0	80	71	0.0	5.0	3.0	13
13	-7.1	-16.2	-11.7	29.7	0.0	0.0	77	59	0.0	TR	TR	15
14	-6.1	-16.7	-11.4	29.4	0.0	0.0	73	55	0.0	TR	TR	14
15	-1.3	-20.9	-11.1	29.1	0.0	0.0	73	47	0.0	0.0	0.0	13
16	-1.0	-14.6	-7.8	25.8	0.0	0.0	73	63	0.0	TR	TR	12
17	2.5	-8.5	-3.0	21.0	0.0	0.0	90	61	0.0	2.0	2.0	12
18	0.6	-21.9	-10.7	28.7	0.0	0.0	84	70	0.0	1.5	1.5	13
19	-11.6	-24.9	-18.3	36.3	0.0	0.0	90	56	0.0	0.0	0.0	14
20	-12.6	-20.1	-16.4	34.4	0.0	0.0	68	54	0.0	TR	TR	14
21	-9.6	-20.6	-15.1	33.1	0.0	0.0	65	56	0.0	0.0	0.0	14
22	-3.1	-14.9	-9.0	27.0	0.0	0.0	69	56	0.0	0.0	0.0	13
23	-6.6	-16.1	-11.4	29.4	0.0	0.0	78	53	0.0	0.0	0.0	13
24	-14.2	-24.3	-19.3	37.3	0.0	0.0	68	48	0.0	0.0	0.0	13
25	-3.4	-24.3	-13.9	31.9	0.0	0.0	62	41	0.0	0.0	0.0	13
26	2.7	-11.3	-4.3	22.3	0.0	0.0	67	47	0.0	0.0	0.0	12
27	7.7	-3.6	2.1	15.9	0.0	0.0	72	52	0.0	0.0	0.0	8
28	6.8	1.1	4.0	14.0	0.0	0.0	86	67	1.0	TR	1.0	4
29	5.5	-1.7	1.9	16.1	0.0	0.0	83	55	0.0	0.0	0.0	1
30	-1.3	-7.8	-4.6	22.6	0.0	0.0	76	57	0.0	0.2	0.2	TR
31	-3.0	-10.7	-6.9	24.9	0.0	0.0	76	63	0.0	0.5	0.5	TR
TOTAL				919.2	0.0	0.0			1.0	22.5	15.9	total
MEAN	-6.1	-17.2	-11.7				74	55				moyenne
NORMAL	-1.8	-12.4	-7.0	778.5	1.8	0.0			5.9	19.2	23.1	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.

WINNIPEG INTL A (YWG) MONTH/MOIS: March/mars 2002

DRY BULB TEMPERATURES / TEMPERATURES DU THERMOMETRE SEC

HOURLY / 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	-241	-237	-238	-243	-239	-243	-243	-243	-235	-212	-198	-174	-153	-139	-135	-129	-131	-135	-147	-160	-164	-180	-195	-191
2	-211	-223	-221	-225	-248	-257	-263	-279	-259	-219	-199	-196	-191	-185	-178	-181	-177	-187	-195	-213	-231	-246	-278	-275
3	-269	-289	-292	-281	-288	-285	-285	-284	-268	-241	-200	-186	-167	-152	-140	-132	-122	-119	-119	-116	-117	-115	-115	-113
4	-113	-116	-118	-118	-118	-119	-139	-179	-174	-143	-135	-116	-109	-98	-90	-88	-91	-93	-125	-149	-131	-135	-118	-117
5	-118	-127	-130	-151	-175	-179	-202	-197	-196	-191	-181	-182	-179	-170	-167	-165	-170	-177	-185	-195	-198	-200	-215	-216
6	-218	-212	-209	-219	-237	-236	-230	-236	-224	-218	-204	-188	-180	-176	-173	-169	-167	-167	-177	-192	-194	-200	-194	-198
7	-210	-209	-215	-210	-213	-202	-191	-192	-178	-170	-162	-159	-148	-144	-138	-136	-133	-136	-145	-152	-157	-160	-169	-166
8	-164	-174	-183	-167	-179	-195	-197	-198	-174	-156	-148	-139	-129	-124	-121	-122	-123	-121	-121	-121	-124	-124	-123	-128
9	-132	-135	-138	-140	-140	-141	-143	-148	-149	-150	-151	-148	-145	-146	-142	-132	-128	-130	-137	-145	-150	-160	-156	-166
10	-180	-181	-198	-211	-212	-219	-206	-206	-201	-187	-167	-151	-126	-111	-104	-97	-92	-90	-93	-105	-108	-106	-109	-111
11	-115	-114	-116	-117	-121	-118	-118	-119	-118	-114	-100	-103	-100	-94	-92	-90	-89	-93	-107	-107	-103	-102	-96	-99
12	-101	-96	-86	-85	-85	-85	-83	-77	-73	-67	-55	-44	-29	-14	-10	-4	-12	-31	-49	-63	-69	-71	-75	-78
13	-88	-88	-107	-123	-129	-141	-144	-162	-158	-151	-134	-118	-102	-90	-80	-72	-71	-77	-96	-108	-114	-133	-128	-114
14	-117	-116	-111	-113	-114	-114	-112	-107	-106	-104	-92	-80	-65	-64	-64	-67	-69	-73	-82	-111	-125	-146	-147	-160
15	-158	-189	-177	-172	-185	-191	-193	-185	-184	-147	-128	-96	-78	-53	-36	-36	-30	-27	-24	-20	-15	-14	-14	-19
16	-16	-11	-41	-58	-67	-82	-114	-124	-125	-118	-94	-87	-77	-66	-62	-50	-50	-50	-52	-58	-62	-73	-67	-58
17	-56	-61	-66	-72	-76	-78	-84	-74	-54	-24	-11	2	15	21	22	16	14	10	9	-2	-6	-5	-6	4
18	5	-28	-48	-66	-77	-88	-97	-104	-108	-116	-125	-125	-124	-128	-126	-132	-133	-134	-135	-139	-158	-181	-188	-197
19	-218	-215	-225	-219	-228	-249	-242	-240	-232	-205	-185	-174	-160	-153	-133	-141	-141	-141	-160	-173	-165	-179	-183	-174
20	-166	-162	-160	-162	-167	-178	-179	-180	-175	-162	-160	-147	-143	-133	-131	-127	-129	-132	-146	-183	-195	-184	-191	-176
21	-182	-192	-195	-202	-203	-204	-205	-200	-200	-188	-174	-162	-149	-135	-120	-109	-106	-102	-99	-100	-100	-98	-111	-118
22	-119	-125	-130	-133	-137	-141	-147	-149	-137	-124	-105	-90	-74	-66	-53	-36	-32	-35	-40	-53	-59	-77	-92	-96
23	-97	-111	-103	-132	-139	-142	-114	-129	-97	-99	-96	-86	-79	-73	-70	-69	-70	-74	-87	-107	-125	-146	-155	-149
24	-160	-175	-192	-205	-214	-233	-235	-236	-221	-204	-184	-167	-162	-155	-148	-148	-142	-146	-151	-173	-182	-188	-194	-209
25	-195	-193	-203	-198	-206	-225	-223	-222	-198	-125	-96	-87	-70	-64	-52	-42	-41	-36	-43	-58	-74	-81	-88	-89
26	-105	-83	-87	-97	-107	-100	-102	-100	-82	-59	-34	-17	-3	6	15	21	26	20	15	11	6	0	-7	-16
27	-18	-21	-24	-28	-28	-34	-33	-33	-26	-10	8	31	41	53	64	71	72	73	68	58	57	53	47	45
28	37	34	25	18	19	16	14	13	13	13	24	29	34	41	56	63	56	65	46	36	25	20	22	16
29	16	13	12	14	13	8	5	9	6	11	29	25	28	36	40	35	29	23	12	6	2	-5	-6	-9
30	-17	-16	-20	-27	-39	-39	-43	-47	-55	-51	-44	-40	-39	-45	-48	-48	-49	-47	-56	-63	-68	-71	-73	-73
31	-76	-81	-87	-89	-97	-101	-103	-105	-102	-93	-85	-74	-62	-53	-50	-50	-39	-38	-39	-47	-59	-66	-66	-65

NOTE/AVIS: 1. Unit = 0.1 C 1. Unite = 0.1 C

WINNIPEG INTLA (YWG) MONTH/MOIS: March/mars 2002

PRECIPITATION OCCURRENCES / EVENEMENT DES PRECIPITATIONS

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
2		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
3		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
4		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
7		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
8		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
9		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
10		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
12		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
13		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
14		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
15		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
16		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
17		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
18		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
21		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
22		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
23		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
24		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
25		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
26		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
27		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
28		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
29		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
30		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
31		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S

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

WINNIPEG INTL A (YWG) MONTH/MOIS: March/mars 2002

		WINDS (km/h) / DES VENTS (km/h)														Pk	Hour										
Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	Gust	Hour		
Date																								Rafale			
13	W	W	W	W	W	W	W	W	WSW	SW	WSW	WSW	WSW	W	W	W	W	W	W	WSW	W	WSW	WSW	W	37	1400	
17	W	WNW	WNW	NW	NNW	NNW	N	N	N	NNE	NNE	NE	NNE	NNE	N	N	N	NE	NNE	NNE	NNE	N	NNW	N	9		
6	NNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	SW	SSW	SSW	S	SSW	S	S	S	S	26	2300	
24	S	S	SSE	S	S	S	C	NNWN	NW	WNW	NW	WNW	NW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	39	1400	
20	NE	E	ENE	NE	N	NNE	NNE	N	N	NNE	NE	NNW	NNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	9		
4	WNW	NW	W	W	W	W	W	W	W	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	C	S	SW	SSW	SW	7	
7	SW	SSW	C	C	C	SSE	SE	SE	ESE	SE	SE	SE	SE	ESE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	32	1900	
13	NE	NE	NE	NE	NNE	NNE	NNE	NE	NE	NNE	NNE	N	NNE	NNE	NNE	N	N	N	N	N	N	N	N	N	39	1900	
30	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	59	1300	
26	WNW	WNW	WNW	WNW	WNW	W	W	W	WNW	W	W	W	W	SW	SW	WSW	SW	SW	SSW	SSW	S	S	S	S	7		
15	S	S	S	S	SSE	SSE	S	SSE	SSE	SE	E	NNW	N	NNE	NNE	NNE	NE	NNE	NE	ENE	E	E	E	9			
17	ESE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	SE	ESE	SSW	SW	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW	33	2200	
32	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	WNW	NW	NW	WNW	WNW	WNW	C	W	NNW	NNW	NNW	37	100	
6	N	N	NNE	NE	NNE	NNE	C	C	NNE	NNE	NNE	NE	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	4		
6	NNE	N	N	NE	NNE	NNE	ENE	C	N	C	NNW	WNW	C	NNW	SSE	S	S	SSE	SSE	S	S	S	S	S	7		
17	SSW	SW	NNW	NNW	NNW	NNW	N	NW	SW	W	NE	NNE	N	NNE	NE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	33	200	
24	NE	NE	NE	E	ENE	NE	E	SE	SSE	SSE	SSE	SSE	ESE	SE	ENE	NNE	N	NE	NNE	ENE	NE	NE	NE	NE	22		
9	S	NW	NW	NW	WNW	NNW	NW	NNW	NNW	WNW	WNW	NW	WNW	NW	WNW	NW	WNW	WNW	WNW	NW	NW	WNW	WNW	NW	35	300	
11	NW	NW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	NNW	NW	N	C	N	NNE	NNE	NE	NE	NNE	NE	NE	N	N	6		
9	NNE	NNE	NNE	NE	NE	NNE	NE	N	C	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	37	1600	
24	WNW	WNW	W	W	W	W	W	W	WNW	WNW	WNW	W	WNW	W	W	W	W	W	W	WNW	W	W	W	W	50	1700	
7	W	W	W	W	W	W	W	W	W	W	W	W	W	WSW	WSW	W	W	W	W	WNW	WNW	WNW	W	WNW	50	1700	
22	WNW	NW	NW	NW	NW	NNW	W	N	N	N	NNW	NNW	NNW	N	NNE	NNE	NNE	NNE	NNE	NE	NE	N	NNE	N	35	900	
26	NNE	NNE	NE	NE	NNE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NE	NE	NNE	N	NNE	NNE	N	NNE	N	NNE	N	32	100	
7	ENE	ENE	ENE	E	C	W	W	C	C	S	SSW	SSW	SSE	SSE	SSE	S	S	SSE	SSE	SSE	SE	SE	SSE	SSE	11		
15	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	50	1300
26	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	S	S	SSE	SSE	S	S	S	S	S	65	1100
26	S	S	S	SSW	WSW	W	W	W	W	W	W	WNW	WNW	WNW	W	WNW	W	W	W	W	W	W	W	W	W	41	800
17	W	WNW	W	W	W	W	W	W	WNW	WNW	NW	NW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	W	WNW	WNW	WNW	56	1700
24	WNW	WNW	WNW	WNW	NW	NW	NNW	NNW	WNW	WNW	NW	NW	NW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	300	
24	NW	NW	NW	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	ENE	E	SE	SSE	NW	200	
26	26	30	33	30	32	20	22	24	26	28	22	26	20	20	20	19	17	11	6	6	7	6	4	6	41	200	

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
18	W	N	W	NW	NNW	W	NE	N	NW	W	S	ESE	WNW	NNE	S	NE	NE	WNW	WNW	NW	W	W	NNE	NE	SSE	S	S	W	WNW	NW	NW
19							SE				NNE																				

NOTE/AVIS: * indicates/indique < 24 hrs and/et >=18 hrs Pdir=Prevailing direction/Direction dominante dir2=2nd Pdir/2ieme Pdir