

MONTHLY METEOROLOGICAL SUMMARY

SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada

Environnement Canada

WINNIPEG INTL A (YWG) MONTH/MOIS: February/fevrier 2002

DATE	TEMPERATURE			DEGREE-DAYS			REL HUMIDITY		PRECIPITATION			Snow On Ground
	TEMPERATURE			DEGRES-JOURS			HUMIDITE REL		PRECIPITATIONS			
	MAX	MIN	MEAN	Heating	Growing	Cooling	MAX	MIN	Rainfall	Snowfall	Total	neige au sol cm
	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	
1	-13.5	-30.8	-22.2	40.2	0.0	0.0	87	60	0.0	0.0	0.0	16
2	-8.7	-22.3	-15.5	33.5	0.0	0.0	81	68	0.0	2.2	1.0	16
3	-18.9	-26.6	-22.8	40.8	0.0	0.0	79	59	0.0	0.0	0.0	16
4	-4.4	-23.9	-14.2	32.2	0.0	0.0	71	56	0.0	0.0	0.0	16
5	-0.7	-19.4	-10.1	28.1	0.0	0.0	78	68	0.0	0.0	0.0	16
6	2.6	-11.8	-4.6	22.6	0.0	0.0	81	59	0.0	0.0	0.0	16
7	-2.8	-10.9	-6.9	24.9	0.0	0.0	76	65	0.0	0.0	0.0	15
8	-6.9	-10.5	-8.7	26.7	0.0	0.0	75	70	0.0	0.0	0.0	15
9	-6.9	-16.9	-11.9	29.9	0.0	0.0	93	63	0.0	0.0	0.0	14
10	-5.0	-19.0	-12.0	30.0	0.0	0.0	91	68	0.0	0.0	0.0	14
11	5.2	-6.3	-0.6	18.6	0.0	0.0	86	60	TR	0.5	0.5	14
12	-4.7	-18.5	-11.6	29.6	0.0	0.0	75	62	0.0	TR	TR	14
13	2.1	-10.6	-4.3	22.3	0.0	0.0	76	64	0.0	0.0	0.0	13
14	0.0	-6.8	-3.4	21.4	0.0	0.0	85	67	0.0	TR	TR	13
15	0.4	-8.1	-3.9	21.9	0.0	0.0	88	69	0.0	0.5	0.5	13
16	-0.9	-11.8	-6.4	24.4	0.0	0.0	82	67	0.0	0.0	0.0	13
17	4.4	-11.7	-3.7	21.7	0.0	0.0	77	66	0.0	0.0	0.0	13
18	2.5	-8.5	-3.0	21.0	0.0	0.0	80	50	0.0	0.0	0.0	13
19	-4.1	-15.2	-9.7	27.7	0.0	0.0	76	66	0.0	0.0	0.0	12
20	-3.8	-17.0	-10.4	28.4	0.0	0.0	76	62	0.0	0.0	0.0	12
21	3.1	-13.6	-5.3	23.3	0.0	0.0	74	58	0.0	TR	TR	12
22	3.7	-5.7	-1.0	19.0	0.0	0.0	79	51	0.0	1.0	1.0	11
23	-1.2	-11.0	-6.1	24.1	0.0	0.0	87	65	0.0	TR	TR	11
24	-11.0	-16.7	-13.9	31.9	0.0	0.0	74	62	0.0	TR	TR	11
25	-10.2	-18.3	-14.3	32.3	0.0	0.0	77	63	0.0	0.5	0.5	11
26	-12.4	-22.5	-17.5	35.5	0.0	0.0	72	48	0.0	0.0	0.0	11
27	-7.1	-19.4	-13.3	31.3	0.0	0.0	79	57	0.0	1.5	1.5	11
28	-17.6	-25.9	-21.8	39.8	0.0	0.0	72	49	0.0	TR	TR	11
TOTAL				783.1	0.0	0.0			TR	6.2	5.0	<i>totale</i>
MEAN	-4.2	-15.7	-10.0				80	62				<i>moyenne</i>
NORMAL	-9.7	-20.6	-15.1	936.2	0.0	0.0			0.4	17.1	14.8	<i>normale</i>

- 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: February/fevrier 2002

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
-287	-286	-273	-296	-293	-281	-290	-299	-287	-285	-265	-252	-226	-212	-175	-182	-181	-188	-205	-202	-195	-163	-160	-155	
-135	-128	-124	-120	-116	-115	-128	-133	-136	-135	-136	-121	-121	-105	-98	-92	-96	-142	-108	-96	-100	-119	-153	-184	
-212	-224	-220	-241	-224	-224	-198	-218	-262	-263	-246	-226	-212	-200	-190	-195	-209	-220	-223	-231	-235	-227	-243	-239	
-230	-225	-218	-210	-197	-197	-177	-191	-180	-166	-154	-133	-114	-88	-66	-54	-45	-67	-56	-61	-91	-118	-106	-122	
-143	-134	-162	-175	-167	-173	-177	-191	-180	-166	-142	-118	-99	-74	-55	-39	-22	-15	-8	-11	-17	-22	-42	-55	
-67	-86	-83	-84	-95	-98	-111	-97	-97	-76	-48	-23	10	25	16	16	45	-71	-69	-95	-81	-80	-83	-96	
-105	-100	-88	-80	-70	-82	-93	-87	-81	-80	-75	-68	-54	-45	-46	-28	-40	-72	-84	-91	-92	-94	-96	-95	
-96	-98	-97	-96	-95	-97	-99	-101	-102	-103	-101	-93	-82	-78	-76	-79	-77	-79	-83	-84	-81	-73	-72	-72	
-81	-88	-91	-88	-93	-114	-132	-134	-137	-148	-134	-105	-94	-85	-76	-71	-74	-89	-117	-128	-133	-158	-139	-137	
-132	-122	-119	-131	-118	-132	-149	-181	-184	-162	-147	-128	-107	-95	-73	-74	-77	-72	-71	-61	-52	-52	-54	-59	
-62	-61	-58	-51	-44	-37	-31	-17	-14	-4	23	49	37	-7	-44	-51	-54	-57	-51	-45	-37	-38	-39	-38	
-47	-81	-93	-118	-142	-154	-167	-177	-176	-174	-172	-166	-160	-151	-143	-132	-135	-132	-130	-124	-118	-109	-108	-102	
-100	-103	-96	-92	-88	-92	-72	-72	-65	-50	-39	-20	-11	-5	5	19	18	18	15	13	9	4	-2	5	
-2	-15	-31	-37	-59	-58	-62	-61	-56	-46	-31	-20	-20	-9	-10	-10	-14	-22	-53	-52	-47	-52	-43	-31	
-31	-35	-45	-54	-62	-70	-76	-73	-72	-63	-44	-32	-20	-6	0	2	2	0	-8	-12	-8	-13	-19	-16	
-17	-25	-10	-32	-64	-79	-44	-37	-58	-35	-36	-36	-34	-26	-41	-41	-52	-66	-83	-87	-85	-96	-102	-100	
-117	-105	-103	-88	-82	-72	-59	-57	-51	-41	-24	-8	7	20	28	34	37	41	40	38	32	31	28	21	
19	7	-9	-28	-41	-41	-21	-34	-43	-32	-16	6	14	18	20	23	23	5	-5	-21	-39	-63	-60	-72	
-84	-94	-106	-109	-116	-128	-132	-146	-151	-132	-111	-91	-73	-58	-51	-45	-46	-52	-61	-72	-78	-90	-112	-116	
-127	-133	-132	-144	-149	-156	-159	-165	-163	-146	-116	-105	-90	-75	-61	-52	-47	-42	-71	-90	-100	-109	-118	-127	
-77	-82	-83	-96	-101	-110	-133	-121	-95	-81	-73	-55	-20	-1	8	24	31	26	6	-11	-22	-19	-22	-35	
-38	-45	-38	-34	-26	-20	-18	-13	-7	-9	17	16	29	25	31	30	35	34	27	26	17	12	2	-7	
-13	-21	-38	-45	-38	-24	-20	-19	-20	-18	-17	-13	-15	-20	-28	-28	-22	-38	-54	-70	-82	-89	-96	-104	
-110	-120	-133	-136	-142	-143	-139	-145	-146	-149	-144	-139	-132	-122	-122	-118	-118	-120	-125	-136	-137	-146	-154	-164	
-167	-173	-177	-178	-182	-177	-175	-170	-165	-158	-144	-134	-128	-116	-106	-106	-107	-111	-118	-114	-124	-135	-139	-149	
-161	-169	-187	-192	-198	-205	-212	-215	-215	-211	-203	-184	-167	-151	-138	-132	-131	-131	-152	-162	-170	-181	-177	-167	
-184	-173	-175	-179	-180	-165	-164	-155	-144	-132	-107	-93	-82	-75	-80	-74	-72	-77	-85	-99	-130	-144	-164	-179	
-192	-201	-203	-211	-211	-220	-228	-232	-232	-230	-223	-210	-204	-195	-186	-182	-179	-184	-198	-216	-220	-240	-249	-242	

NOTE/AVIS:

1. Unit = 0.1 C

1. Unite = 0.1 C

WINNIPEG INTLA (YWG) MONTH/MOIS: February/fevrier 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	
10	S	S	S	S	S																				
11													RW	RWSVS	S					S					
12										S															
13												S													
14																			SW	SW	SW	SW	S	S	S
15																									
16																									
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31																									

Note/Avls:

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

WINNIPEG INTLA (YWG) MONTH/MOIS: February/fevrier 2002

Date	WINDS (km/h)													DES VENTS (km/h)													Pk Gust	Hour
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Hour				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Rafale				
1	WNW	W	WNW	WNW	WNW	WNW	W	C	W	W	C	NW	WNW	WSW	S	S	S	S	SSE	SSE	S	SSE	SSE					
2	13	9	6	6	11	13	7	0	9	11	0	4	9	4	9	13	11	13	11	15	17	20	20	20				
3	S	S	S	S	S	SSW	SW	SW	SW	WSW	W	W	W	W	W	W	WNW	WNW	NW	NNW	NNW	NNW	N	S				
4	22	24	20	22	19	13	7	4	6	7	11	9	9	11	11	17	15	17	13	17	26	32	24	15	37	100		
5	N	NNW	NW	NW	NW	NNW	N	NNW	NW	N	NW	WNW	NW	WNW	W	W	WSW	SSW	WSW	S	S	S	S	S				
6	17	22	22	20	19	15	20	15	17	15	7	9	13	13	11	13	13	15	6	4	7	6	13	19				
7	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SW	WSW	WNW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	S			
8	17	24	26	26	32					41	44	43	43	30	28	17	13	19	19	15	9	19	22	19	61	900		
9	NNE	NNE	NE	ENE	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	S			
10	9	9	11	9	4	9	9	13	13	22	28	30	32	32	35	41	37	39	32	24	24	15	15	15	54	1500		
11	SSW	S	S	SSW	S	SSW	S	S	S	SSW	SSW	SSW	SW	W	W	NW	NW	NW	NNW	W	WNW	NW	W	SSW	NW			
12	13	6	13	9	13	13	17	20	19	20	22	24	20	32	39	44	41	39	33	15	19	15	7	6	70	1700		
13	SW	SSW	SW	SW	NE	ENE	E	E	E	E	ESE	E	E	ENE	ENE	E	NE	NE	NNE	NNE	N	NNE	NNE	N	NNE			
14	11	17	20	17	13	11	15	15	22	19	20	17	19	19	24	15	19	17	24	22	19	22	28	22	32	1900		
15	NNE	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NE	NNE	NNE	NNE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE			
16	24	22	19	13	15	17	17	15	11	13	11	15	13	13	19	20	22	24	19	20	26	26	28	32	39	2300		
17	NNE	NNE	NNE	NNE	N	NNE	N	N	N	N	N	N	N	N	NNW	WNW	NW	WNW	W	WSW	W	WSW	SW	NNE				
18	28	33	30	32	28	30	19	22	22	15	15	30	26	13	15	15	15	15	13	9	6	4	9	6	41	100		
19	W	W	W	C	SW	W	C	WNW	NNW	NNE	NE	N	N	N	N	S	S	S	S	SSE	S	S	S	S	S			
20	9	9	9	0	4	6	0	9	6	6	7	4	7	4	13	11	20	20	15	17	32	37	41	50	2300			
21	S	S	S	S	S	S	S	S	SSW	SSW	SW	WSW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW			
22	41	46	41	37	46	48	44	46	33	32	30	26	48	48	69	57	59	52	54	41	50	43	32	35	82	1400		
23	NNW	N	N	N	NNW	N	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	W	SW	SSW	S	S	S	S	S	S	S	NNW			
24	33	33	32	41	32	43	26	19	26	24	20	19	11	11	11	9	13	13	19	20	24	24	24	20	57	400		
25	SSW	SSW	SSW	SW	WSW	WSW	W	W	W	WSW	WSW	WSW	SW	SSW	SW	SW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW		
26	24	17	19	17	17	19	15	17	11	13	13	19	24	20	19	13	15	24	22	15	15	17	15	13	1400			
27	SW	S	S	C	E	N	N	NNE	NNE	NNE	NNE	N	N	NNE	NNE	N	NE	NNE	NNW	WNW	WNW	W	N	N	N			
28	13	9	6	0	4	7	9	15	22	24	26	26	30	30	28	30	20	13	11	7	9	7	6	9	39	1300		
29	SSW	SSW	SW	WSW	WSW	W	W	W	W	W	W	W	W	W	WNW	WNW	WNW	WNW	NNW	N	N	NW	NW	W				
30	11	13	15	17	17	19	15	19	19	19	17	17	19	22	22	19	15	6	7	7	6	6	6	7	11			
31	W	WNW	NNW	NW	WNW	WNW	WNW	WNW	NNW	NNW	NNW	N	NNW	NE	NNE	NE	NNE	NE	ESE	SE	SE	SSE	S	NNW				
32	17	22	26	20	20	20	20	17	17	17	15	13	9	17	15	15	19	13	11	9	11	9	13	9	33	200		
33	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			
34	11	15	17	24	26	28	33	35	41	43	39	48	46	39	35	37	37	39	39	33	30	28	22	19	61	1100		
35	WSW	W	W	W	WNW	NW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	NNE	NW	W	W	W	NNW	NNE	NNE	NNE				
36	19	13	13	11	13	17	19	15	7	13	11	7	11	15	15	9	7	11	6	7	6	9	24	17	32	2200		
37	NE	NNE	NNE	NE	NE	NNE	NNE	NE	NNE	NNE	NNE	N	N	N	NNE	NNE	NNE	N	NNE	NE	NE	NE	NE	NE	NNE			
38	15	13	15	19	15	7	19	11	7	13	13	11	13	13	17	22	22	15	15	17	19	17	9	9				
39	NE	NNE	NE	NE	NE	NNE	NE	NE	NE	NE	NNE	N	NNE	NNE	NNE	NE	NE	NNE	NNE	NNE	NNE	NE	ENE	ENE				
40	9	9	13	13	9	9	7	11	7	11	7	13	11	13	11	9	13	9	13	9	9	7	6	7				
41	SE	SE	S	S	S	SSE	S	S	S	SSW	SW	SW	SSW	WSW	W	WSW	SW	SW	SW	SSW	SW	SW	SSW	SW	SW	SSW		
42	17	17	11	7	7	9	9	9	13	19	20	13	11	11	17	13	11	7	9	11	9	13	13	13				
43	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			
44	13	17	19	17	24	28	28	32	28	28	41	43	52	57	54	44	39	33	30	32	28	28	24	20	76	1300		
45	S	SSW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW		
46	11	6	17	20	26	24	19	20	24	28	33	35	39	39	37	30	32	37	33	28	20	22	22	20	54	1200		
47	NNW	N	NNW	NNW	NW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NW			
48	24	13	15	20	15	11	15	20	22	26	22	20	19	22	19	26	26	20	17	22	22	20	15	13	33	900		
49	NW	NW	NW	NW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NNW	N	N	N	N	N	N			
50	15	15	17	13	15	15	17	19	19	19	20	20	19	24	28	26	30	32	20	22	30	26	32	26	41	2200		
51	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	N	N	NNW	WNW	W	WSW	WSW	SW	SSW	N					
52	26	24	22	26	20	22	19	19	17	19	17	20	20	22	17	15	11	15	9	7	7	7	7	7	33	100		
53	SSW	SSW	SSW	S	SSW	SSW	S	S	S	SSW	SSW	SSW	SW	W	WNW	WNW	NW	NW	N	NNE	N	N	NNW	N				
54	9	15	15	15	15	15	19	19	22	26	26	20	17	19	19	24	28	33	32	26	32	32	32	44	2200			
55	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	NW	NNW	NW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW			
56	28	28	30	22	24	22	19	20	26	28	28	26	26	26	26	30	26	22	19	19	15	13	13	37	100			

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	WNW	NW	S	S	SSW	E	NNE	N	S	NW	NNW	SW	N	W	WNW	S	W	NNE	NE	SW	S	NW	NNW	NW	NNW	SSW	N				
Avg V	10	15	14	25	21	21	19	19	19	13	44	23	17	15	14	16	32	12	14	10	12	32	26	20	22	16	22	23			
dir2	S													NNW						NNE	S										

NOTE/AVIS: * indicates/indique < 24 hrs and/et >=18 hrs

Pdir=Prevailing direction/Direction dominante

dir2=2nd Pdir/2ieme Pdir