

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada
Environnement Canada

Prairie & Northern Region
Région des Prairies et du Nord

WINNIPEG INT'L A (YWG)

MONTH: February 2004

MOIS: février 2004

DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRES-JOURS			REL HUMIDITY HUMIDITE REL		PRECIPITATION PRECIPITATIONS			SNOW ON GROUND neige au sol cm
	MAX	MIN	MEAN	HEATING	GROWING	COOLING	MAX	MIN	RAINFALL	SNOWFALL	TOTAL	
	°C	°C	moyenne °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	-16.3	-23.7	-20.0	38.0	0.0	0.0	73	62	M	M	0.5	M
2	-19.0	-31.5	-25.3	43.3	0.0	0.0	74	56	M	M	TR	M
3	-20.0	-32.3	-26.2	44.2	0.0	0.0	66	56	M	M	0.0	M
4	-12.3	-30.0	-21.2	39.2	0.0	0.0	73	57	M	M	TR	M
5	-8.8	-12.5	-10.7	28.7	0.0	0.0	89	78	M	M	TR	M
6	-12.0	-27.2	-19.6	37.6	0.0	0.0	88	71	M	M	TR	M
7	-10.8	-29.5	-20.2	38.2	0.0	0.0	88	55	M	M	1.0	M
8	-1.3	-11.1	-6.2	24.2	0.0	0.0	90	77	M	M	TR	M
9	-3.3	-23.3	-13.3	31.3	0.0	0.0	94	73	M	M	TR	M
10	-9.4	-22.2	-15.8	33.8	0.0	0.0	88	76	M	M	TR	M
11	-10.6	-25.7	-18.2	36.2	0.0	0.0	87	66	M	M	1.0	M
12	-6.6	-23.8	-15.2	33.2	0.0	0.0	83	69	M	M	0.5	M
13	-6.6	-24.9	-15.8	33.8	0.0	0.0	92	52	M	M	0.0	M
14	-19.3	-31.4	-25.4	43.4	0.0	0.0	70	53	M	M	0.0	M
15	-13.3	-30.6	-22.0	40.0	0.0	0.0	73	51	M	M	0.5	M
16	-12.4	-17.3	-14.9	32.9	0.0	0.0	M	M	M	M	1.0	M
17	-5.6	-21.2	-13.4	31.4	0.0	0.0	93	78	M	M	2.0	M
18	-2.6	-9.1	-5.9	23.9	0.0	0.0	91	67	M	M	0.0	M
19	-0.4	-9.5	-5.0	23.0	0.0	0.0	94	69	M	M	1.0	M
20	-1.5	-6.1	-3.8	21.8	0.0	0.0	95	80	M	M	TR	M
21	-3.2	-10.1	-6.7	24.7	0.0	0.0	91	72	M	M	0.5	M
22	-2.4	-4.9	-3.7	21.7	0.0	0.0	93	81	M	M	TR	M
23	-1.3	-5.2	-3.3	21.3	0.0	0.0	90	72	M	M	0.0	M
24	-2.1	-4.9	-3.5	21.5	0.0	0.0	91	85	M	M	0.5	M
25	-1.1	-3.2	-2.2	20.2	0.0	0.0	87	81	M	M	0.0	M
26	0.9	-2.2	-0.7	18.7	0.0	0.0	88	80	M	M	0.0	M
27	4.7	-2.4	1.2	16.8	0.0	0.0	88	60	M	M	0.0	M
28	2.5	-4.1	-0.8	18.8	0.0	0.0	91	75	M	M	0.0	M
29	-0.5	-2.4	-1.5	19.5	0.0	0.0	91	85	M	M	TR	M
30												
31												
TOTAL				861.3	0.0	0.0			0.0	0.0	8.5	totale
MEAN	-6.7	-16.6	-11.7				86	69				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 Year Normals / Normales duree 30 ans.
3. TR - Trace

DEWPOINT TEMPERATURES / TEMPÉRATURE PRISE AU THERMOMETRE MOUILLÉ																								
Hour (Local Standard Time) / Heure (temps standard local)																								
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	-24.2	-23.4	-23.2	-23.0	-23.4	-23.7	-23.7	-22.5	-22.3	-22.6	-22.2	-22.1	-22.5	-22.1	-21.8	-22.3	-23.2	-24.2	-24.3	-25.3	-25.8	-25.4	-26.5	-24.8
2	-24.4	-24.2	-23.8	-23.4	-23.7	-24.8	-23.2	-26.2	-26.5	-27.4	-27.4	-27.4	-27.1	-26.8	-26.1	-25.8	-26.1	-27.6	-28.7	-33.0	-30.4	-31.2	-34.0	-33.9
3	-34.0	-35.1	-35.6	-34.4	-33.9	-34.2	-33.9	-34.3	-34.4	-32.4	-31.6	-30.4	-29.9	-28.4	-27.8	-27.1	-26.5	-26.8	-28.6	-27.5	-27.9	-28.6	-29.3	-29.4
4	-29.1	-29.3	-29.5	-28.8	-32.9	-34.0	-34.4	-33.7	-32.9	-32.0	-29.7	-28.3	-26.5	-25.6	-24.1	-22.4	-21.7	-22.3	-21.9	-20.9	-20.2	-18.8	-17.6	-16.4
5	-19.3	-14.5	-13.9	-12.7	-12.4	-11.8	-11.5	-11.5	-11.6	-11.8	-11.6	-12.0	-12.3	-12.7	-14.4	-14.6	-13.2	-13.4	-13.1	-13.3	-13.1	-12.8	-12.8	-14.0
6	-14.2	-14.3	-16.1	-16.4	-17.7	-22.6	-23.9	-24.4	-24.2	-23.7	-23.3	-22.8	-21.5	-20.5	-19.6	-19.5	-22.1	-23.8	-24.9	-24.6	-24.3	-26.2	-24.0	-22.7
7	-29.0	-28.6	-31.0	-33.3	-33.3	-29.1	-29.0	-29.6	-25.4	-23.1	-21.0	-20.0	-20.0	-18.4	-18.6	-17.6	-17.1	-16.7	-16.1	-15.3	-15.3	-14.4	-14.0	-13.6
8	-13.1	-12.6	-12.6	-11.9	-11.9	-12.0	-11.1	-11.6	-10.7	-10.2	-8.9	-7.9	-7.3	-5.9	-4.9	-4.7	-4.1	-4.2	-4.1	-3.9	-3.7	-4.0	-4.7	-4.9
9	-5.7	-5.9	-9.1	-9.8	-10.1	-10.9	-11.1	-11.8	-14.7	-14.2	-14.1	-14.4	-15.0	-14.6	-14.6	-14.8	-16.0	-17.0	-18.4	-18.3	-19.0	-21.1	-26.2	-25.1
10	-25.5	-22.3	-24.3	-22.1	-23.1	-21.9	-23.8	-24.8	-22.9	-22.0	-20.7	-18.3	-17.9	-16.4	-14.6	-13.7	-12.4	-12.1	-12.5	-12.6	-12.3	-12.5	-12.7	-12.4
11	-12.4	-12.6	-12.8	-12.8	-13.5	-13.2	-13.1	-12.8	-13.5	-13.6	-13.6	-14.1	-15.3	-16.0	-16.2	-16.7	-17.8	-19.5	-21.0	-22.0	-26.1	-25.9	-28.5	-28.0
12	-26.2	-25.9	-26.4	-25.7	-24.6	-23.9	-22.3	-21.2	-21.0	-20.1	-18.7	-16.3	-14.5	-13.1	-12.5	-11.7	-11.4	-11.7	-12.1	-12.4	-12.5	-13.5	-13.8	-13.9
13	-13.9	-14.7	-14.0	-13.6	-12.7	-14.6	-16.0	-16.0	-15.8	-16.3	-15.1	-10.8	-9.8	-10.8	-11.8	-15.8	-19.3	-20.7	-24.3	-25.1	-25.6	-28.5	-29.6	-30.2
14	-30.1	-32.4	-30.0	-33.7	-35.0	-35.0	-34.9	-35.9	-34.5	-33.2	-32.5	-29.7	-28.7	-27.5	-26.8	-26.4	-26.4	-28.0	-29.8	-31.1	-31.0	-31.1	-35.2	-33.2
15	-32.7	-31.4	-33.3	-31.0	-30.5	-31.4	-30.4	-30.6	-30.5	-29.1	-26.8	-24.1	-24.5	-23.6	-23.0	-23.6	-23.3	-22.6	-22.5	-22.3	-22.1	-21.4	-21.5	-21.0
16	-18.3	-16.7	-16.4	-16.2	-15.2	-15.0	-14.7	-14.7	-14.7	-14.5	-15.1	-15.3	-15.4	M	-15.2	-15.2	-15.9	-17.1	-19.5	-18.6	-18.2	-18.6	-16.5	-18.9
17	-17.6	-18.2	-19.9	-21.1	-21.3	-21.7	-23.2	-22.9	-22.3	-22.0	-19.6	-16.7	-14.2	-14.2	-13.8	-13.1	-11.2	-9.9	-9.6	-9.1	-8.2	-7.4	-7.0	-6.7
18	-7.0	-7.1	-7.2	-7.4	-7.4	-6.3	-7.1	-7.4	-7.0	-6.1	-6.4	-7.6	-8.4	-8.4	-9.7	-8.9	-9.1	-9.5	-9.9	-10.0	-10.6	-10.8	-10.4	-10.3
19	-10.8	-11.4	-10.9	-11.8	-10.5	-10.3	-10.5	-10.1	-9.9	-9.8	-9.2	-8.6	-7.7	-7.2	-6.5	-6.1	-5.1	-4.9	-4.2	-4.8	-3.6	-2.6	-2.5	-3.0
20	-2.8	-2.4	-3.3	-4.0	-4.5	-5.0	-5.1	-5.3	-5.1	-5.5	-5.4	-5.7	-5.3	-5.1	-4.3	-4.0	-4.0	-4.5	-4.7	-4.8	-4.7	-4.7	-4.9	-6.9
21	-8.8	-11.4	-8.9	-8.2	-8.2	-8.6	-10.5	-10.9	-12.2	-11.1	-11.8	-9.0	-8.6	-8.8	-7.8	-7.1	-6.2	-6.4	-5.7	-5.7	-5.6	-5.5	-5.5	-5.5
22	-5.6	-5.6	-5.7	-5.9	-5.9	-6.0	-5.7	-5.3	-5.7	-6.1	-5.9	-6.0	-5.5	-4.9	-4.9	-5.2	-5.4	-5.4	-4.9	-5.2	-5.5	-6.2	-6.4	-6.1
23	-6.3	-6.4	-6.4	-6.5	-6.5	-6.5	-6.4	-6.6	-6.4	-6.0	-5.6	-5.4	-5.8	-5.6	-5.7	-5.4	-5.8	-5.6	-5.2	-4.9	-5.1	-5.0	-4.9	-4.8
24	-4.6	-4.5	-4.3	-4.3	-4.6	-4.7	-4.8	-5.0	-5.4	-5.4	-5.4	-5.5	-6.2	-6.6	-6.1	-5.6	-5.2	-5.3	-5.3	-5.3	-5.3	-5.5	-4.9	-5.0
25	-4.9	-4.6	-4.5	-4.4	-4.3	-4.4	-4.4	-4.4	-4.6	-4.4	-4.1	-4.1	-4.2	-4.4	-4.3	-4.3	-4.2	-3.8	-4.0	-3.8	-3.8	-3.9	-3.8	-3.8
26	-4.0	-4.0	-4.1	-4.2	-4.1	-3.8	-4.0	-3.8	-3.3	-3.1	-3.1	-3.3	-2.9	-3.1	-2.3	-2.3	-2.2	-2.3	-2.6	-2.7	-2.9	-3.3	-3.9	-4.2
27	-4.4	-4.8	-4.4	-4.2	-4.4	-4.3	-4.2	-3.8	-3.2	-2.5	-2.2	-2.1	-1.9	-1.9	-2.6	-2.2	-1.9	-1.7	-1.2	-0.9	-0.5	-0.2	0.0	0.0
28	0.0	0.2	-1.6	-2.0	-2.9	-3.4	-3.5	-4.0	-4.3	-4.6	-4.0	-3.0	-2.7	-2.2	-1.7	-1.6	-1.6	-2.1	-2.3	-3.0	-4.3	-4.8	-4.2	-4.3
29	-4.0	-3.6	-3.4	-2.9	-2.3	-2.6	-2.5	-2.5	-2.8	-3.2	-3.1	-3.2	-3.3	-3.1	-3.3	-3.1	-3.0	-3.2	-3.4	-3.2	-3.2	-3.3	-3.2	-3.3
30																								
31																								

NOTE/AVIS: 1. Unit = °C 1. Unite = °C
 2. No entry = Missing / Pas de valeur - Manquant

PRECIPITATION OCCURRENCES / EVENEMENT DES PRECIPITATIONS

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

NOTE/AVIS: R = Rain/Pluie W = Showers/averse de T = Thunderstorm/orage L = Drizzle/bruine Z = Freezing/verglacante
 S = Snow/neige SG = Snow Grains/neige en grains A = Hail/grele IP = Ice Pellets/gresil IC = Ice Crystals/cristaux de glace

		WINDS (km/h)												DES VENTS (km/h)												Hour		
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	23	Peak Gust	Hour	
DATE	DATE	Rafale																								Heur		
16	16	S	S	S	S	S	S	S	S	SSW	WSW	WNW	WNW	WNW	W	WNW	WNW	W	W	W	W	WSW	WSW	SSW	S	S	200	
17	17	WSW	WSW	SSW	SSW	SW	SW	SE	S	S	SSE	S	S	S	S	SSE	SSE	S	S	S	S	S	S	S	SSE	SSE	1600	
18	18	SSW	SSW	SSW	SSW	WSW	WSW	W	W	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	ENE	ENE	E	S	SSW	100	
19	19	ESE	SE	SE	E	E	ESE	E	E	ESE	ESE	E	E	E	ESE	ESE	SE	C	C	NNE	ENE	E	SE	SSE	S			
20	20	S	W	WNW	NW	NW	NW	NNW	N	N	NNW	NNW	NNW	NNW	NW	NW	NW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	1000	
21	21	NNW	NE	NE	N	NW	N	NE	ENE	NNE	C	C	SSE	S	SSE	SSE	E	ESE	SSE	SSE	S	S	S	S	S			
22	22	S	S	S	S	S	NNW	N	NNE	NNE	NNE	N	N	N	NNE	NNE	N	N	N	NNW	N	NNW	NNW	NNW	NNW	NNW		
23	23	W	C	NW	WNW	WNW	C	W	WSW	SW	SW	W	W	WSW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW		
24	24	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	2000	
25	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		
26	26	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	S	1600	
27	27	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	500	
28	28	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	1400	
29	29	NW	NW	NW	N	ENE	ENE	NNE	NNE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	8	
30	30	6	4	6	7	11	9	6	7	19	22	15	24	17	19	22	20	20	20	20	20	20	20	20	20	20	2000	
31	31																											
31	31																											

DATE	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pdir	S	S	NW	ESE	NW	SSE	N	SSW	S	S	S	S	W	NNE		
Avg V	19	25	17	8	17	10	13	12	25	37	32	33	19	16		
dir 2							NNE									

NOTE/AVIS:
 Pdir = Prevailing direction/Direction dominante
 Avg V = Average Daily Wind Speed (KMH)
 * = indicates/indique < 24 hrs and/et >= 18hrs
 dir 2 = 2nd Prevailing direction