

# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada  
Environnement Canada

**WINNIPEG INT'L A (YWG) MB.**

Prairie & Northern Region  
Région des Prairies et du Nord

**MONTH: August 2004**

**MOIS: août 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	23.7	10.5	17.1	0.9	12.1	0.0	100	46	M	M	0.5	M
2	24.0	8.4	16.2	1.8	11.2	0.0	100	45	M	M	1.0	M
3	23.6	6.3	15.0	3.0	10.0	0.0	100	54	M	M	0.0	M
4	22.3	8.9	15.6	2.4	10.6	0.0	96	42	M	M	0.0	M
5	25.2	5.7	15.5	2.5	10.5	0.0	93	38	M	M	0.0	M
6	21.9	14.4	18.2	0.0	13.2	0.2	91	58	M	M	0.0	M
7	21.3	16.3	18.8	0.0	13.8	0.8	95	76	M	M	0.0	M
8	19.5	15.8	17.7	0.3	12.7	0.0	98	85	M	M	8.5	M
9	16.8	8.1	12.5	5.5	7.5	0.0	99	93	M	M	6.0	M
10	15.7	7.3	11.5	6.5	6.5	0.0	99	62	M	M	5.5	M
11	17.7	4.5	11.1	6.9	6.1	0.0	100	56	M	M	0.0	M
12	20.1	3.5	11.8	6.2	6.8	0.0	99	62	M	M	1.0	M
13	21.2	5.4	13.3	4.7	8.3	0.0	99	46	M	M	0.0	M
14	25.4	6.0	15.7	2.3	10.7	0.0	100	46	M	M	0.0	M
15	23.3	12.7	18.0	0.0	13.0	0.0	99	63	M	M	1.0	M
16	23.7	11.2	17.5	0.5	12.5	0.0	100	52	M	M	0.0	M
17	24.5	9.0	16.8	1.2	11.8	0.0	99	44	M	M	1.5	M
18	15.8	7.7	11.8	6.2	6.8	0.0	97	47	M	M	9.0	M
19	17.9	1.0	9.5	8.5	4.5	0.0	90	42	M	M	0.0	M
20	16.5	0.0	8.3	9.7	3.3	0.0	95	42	M	M	0.0	M
21	18.6	4.1	11.4	6.6	6.4	0.0	97	60	M	M	1.0	M
22	18.1	5.1	11.6	6.4	6.6	0.0	98	50	M	M	0.0	M
23	16.0	5.0	10.5	7.5	5.5	0.0	96	60	M	M	25.0	M
24	21.4	10.2	15.8	2.2	10.8	0.0	99	65	M	M	14.0	M
25	21.2	5.7	13.5	4.5	8.5	0.0	100	59	M	M	0.0	M
26	18.0	13.6	15.8	2.2	10.8	0.0	99	91	M	M	47.0	M
27	20.5	8.2	14.4	3.6	M	M	100	55	M	M	0.0	M
28	20.9	5.5	13.2	4.8	8.2	0.0	100	49	M	M	0.0	M
29	19.8	11.9	15.9	2.1	10.9	0.0	97	74	M	M	0.4	M
30	17.9	10.7	14.3	3.7	9.3	0.0	99	68	M	M	2.0	M
31	18.8	9.1	14.0	4.0	9.0	0.0	97	67	M	M	4.5	M
TOTAL	631.3	251.8		116.7	277.9	1.0			0.0	0.0	127.9	totale
MEAN	20.4	8.1	14.3				98	58				moyenne
NORMAL	25.0	11.9	18.5	41.3	418.0	56.4			75.1	0.0	75.1	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	14.6	12.4	11.4	11.7	11.3	11.8	12.2	13.9	15.7	15.2	14.9	15.5	13.9	12.1	12.3	10.7	11.3	12.2	13.3	15.0	15.3	15.0	13.8	14.5	
2	13.7	14.3	14.5	13.3	11.3	9.0	10.1	13.9	14.6	14.7	14.5	14.3	14.9	14.5	13.3	11.7	12.1	10.6	11.7	13.2	13.3	11.3	10.7	10.9	
3	10.1	8.1	8.5	9.4	8.3	6.9	9.7	11.9	10.9	11.4	12.2	13.1	14.2	12.8	13.8	12.9	12.8	13.6	11.8	12.5	12.5	11.8	10.9	9.9	
4	9.9	9.3	9.4	8.7	8.9	9.0	10.0	11.6	13.2	13.8	12.3	11.8	10.4	9.9	7.9	8.8	8.7	11.5	10.9	11.8	10.7	10.1	9.0	7.6	
5	6.9	6.4	6.7	6.2	6.1	6.7	8.0	10.1	10.4	10.4	11.0	8.4	9.6	8.7	9.3	9.7	10.4	10.3	9.2	10.0	11.4	10.6	10.1	10.6	
6	10.7	12.0	10.9	10.6	10.5	10.9	11.1	11.8	12.2	12.8	13.3	12.7	13.5	14.2	13.8	14.3	14.7	15.0	15.0	15.0	15.4	15.6	15.4	15.3	
7	15.3	15.2	15.3	15.3	15.4	15.3	15.4	15.7	15.7	15.7	15.9	16.2	16.1	16.2	15.9	16.2	16.5	16.5	16.8	16.9	16.9	16.8	16.4	15.8	
8	16.7	16.6	16.6	16.1	16.5	16.4	16.4	16.3	16.5	16.7	16.7	16.5	17.3	17.5	16.8	15.4	15.5	15.7	15.5	16.0	15.7	15.8	15.4	15.7	
9	16.4	16.3	15.3	14.6	14.1	13.3	12.1	11.1	10.6	10.1	9.9	9.7	9.8	9.2	9.0	9.0	8.5	8.1	7.9	7.7	7.9	8.0	8.0	8.0	
10	7.9	7.7	7.5	7.3	7.1	6.0	5.7	6.4	7.2	7.8	7.3	7.2	8.0	7.7	9.0	7.9	7.5	8.4	8.7	10.4	9.3	9.3	9.0	8.7	
11	8.2	7.7	8.1	7.7	6.7	6.5	6.0	9.7	9.9	8.7	7.4	7.2	8.0	8.0	8.4	9.1	10.6	8.8	7.7	9.0	8.4	9.1	6.8	7.1	
12	6.2	5.0	5.1	5.3	3.4	5.6	6.2	9.6	11.8	12.6	12.6	12.6	11.4	13.7	12.6	13.8	12.5	12.7	12.6	13.1	12.8	12.6	10.8	8.8	
13	9.2	6.2	5.2	7.2	6.8	7.2	7.7	8.7	11.2	10.9	9.1	8.7	10.0	9.8	9.2	10.5	9.3	8.3	8.7	10.3	11.1	10.2	9.0	9.3	
14	6.9	7.3	8.1	7.9	7.7	7.3	7.0	8.8	9.6	11.9	13.2	12.4	13.6	13.6	12.3	12.6	12.2	12.1	13.7	13.5	13.7	13.7	13.3	12.8	
15	12.6	12.3	11.3	10.9	11.1	10.9	11.1	11.4	12.0	13.5	15.3	15.0	15.0	14.8	15.5	16.3	15.6	15.3	16.5	15.9	14.8	14.4	12.7	13.2	
16	13.1	12.4	12.9	11.4	12.1	14.2	13.7	15.1	16.2	15.8	14.7	14.6	15.2	15.2	13.5	13.1	13.2	13.5	14.1	14.9	14.8	14.8	14.6	12.5	
17	12.6	10.9	10.3	10.5	9.8	10.5	10.9	12.2	13.7	13.0	14.3	12.9	11.5	10.8	10.8	10.9	11.5	12.3	13.3	12.3	12.8	13.9	14.3	13.9	
18	14.1	14.5	14.5	14.6	11.1	11.0	9.8	8.9	6.9	3.7	4.9	4.6	7.0	7.6	1.9	2.8	6.1	3.4	2.9	3.9	4.1	2.9	2.9	4.2	
19	4.3	5.0	4.8	4.3	4.4	4.9	5.2	5.7	5.8	6.7	7.4	8.3	7.7	5.3	5.1	3.2	1.5	2.0	2.3	1.0	1.8	0.7	1.0	0.8	
20	-0.4	0.4	-0.7	0.4	1.0	1.4	1.5	3.7	6.0	7.1	5.0	3.5	2.5	3.1	4.2	3.5	3.1	3.7	4.2	5.6	5.6	4.5	5.0	4.5	
21	4.4	3.8	3.5	2.6	2.4	2.6	2.5	3.9	5.3	6.4	7.7	9.3	9.7	10.3	11.6	12.9	12.2	12.6	14.8	14.8	14.8	14.0	13.7	13.4	
22	13.4	13.8	11.5	10.4	9.8	9.2	8.7	9.2	9.9	9.1	7.2	7.1	6.3	5.2	6.2	7.3	6.8	6.6	6.9	5.9	5.9	5.2	4.9	4.8	
23	3.8	5.9	5.4	5.4	6.0	5.7	6.3	6.9	7.3	8.5	9.7	8.6	7.5	8.7	9.6	8.9	8.0	8.6	9.6	10.8	11.1	11.0	11.3	11.6	
24	11.9	12.7	13.3	13.8	14.0	14.8	15.2	16.3	16.7	14.4	13.2	13.3	12.3	13.1	12.9	12.8	12.8	12.4	12.2	11.7	11.5	11.0	10.4	9.7	
25	9.2	8.6	7.7	7.5	7.0	7.1	5.9	9.2	10.3	10.3	10.3	10.3	11.0	11.3	12.0	12.8	13.0	13.7	14.6	14.7	13.8	14.3	13.9	14.2	
26	13.8	14.0	13.8	14.0	14.6	14.8	14.6	14.4	14.5	14.6	14.6	15.2	14.6	14.5	14.4	14.3	14.3	14.3	14.4	14.1	13.7	13.6	13.4	13.4	
27	13.3	13.1	13.1	12.7	12.7	12.2	12.1	11.8	12.0	12.1	12.1	11.8	11.1	11.7	10.1	10.1	11.9	12.0	12.3	13.6	12.8	12.2	10.1	9.0	
28	8.2	7.8	7.9	7.0	7.2	6.1	5.5	9.4	11.6	11.9	11.6	11.4	10.6	10.4	10.6	9.8	9.6	8.8	9.9	10.2	10.3	10.1	9.8	10.2	
29	10.1	10.2	9.6	9.7	9.3	9.2	9.7	10.5	11.3	12.3	12.8	12.9	13.8	13.9	13.7	14.0	15.8	14.9	14.5	12.5	13.2	13.0	12.1	11.6	
30	11.8	12.5	12.7	13.0	11.1	10.7	11.7	12.8	12.7	12.9	12.3	11.5	10.7	11.2	10.4	10.7	10.7	10.7	12.4	12.8	12.3	11.5	11.4	11.3	11.7
31	11.5	10.9	10.7	10.2	10.1	10.5	10.6	10.9	11.3	11.1	11.4	11.1	11.3	11.8	11.3	11.0	11.3	11.7	11.7	11.4	10.7	10.1	9.6	9.3	

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

PRECIPITATION OCCURRENCES / EVENEMENT DES PRECIPITATIONS																															
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																															
2	RW																														
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																															

**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

		DES VENIS (km/h)																								Peak Gust				
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	Hour	Hour			
DATE	DATE																									Hour	Hour			
																										Rate	Rate			
16	16	W	W	WNW	NW	NNW	NW	WNW	NW	NW	NW	NNW	NW	NW	NNW	WNW	WNW	WNW	NW	WNW	W	NW	NNW	N	NW	NW	32	1100		
17	17	NNE	N	N	WNW	NW	W	WSW	SW	WSW	SW	SW	W	WNW	W	W	W	W	WSW	SW	SW	SSW	SSW	SW	W	SW	SW	56	2200	
18	18	SW	WSW	SW	W	NNW	NW	NW	NW	NNW	N	N	NNW	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	W	WSW	WSW	N	NNW	N	80	900	
19	19	W	WSW	WSW	WSW	SW	WSW	SW	WSW	WSW	W	W	NW	NW	NNW	NNW	NW	NW	NNW	NNW	N	NW	NW	NNW	W	NW	NW	59	1500	
20	20	WNW	W	W	W	W	W	W	W	WNW	W	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	C	S	SSW	SSW	NW	NW	48	1200	
21	21	SSW	SW	SSW	SSW	SSW	SSW	S	S	S	S	SSE	S	S	S	S	SE	SE	SSE	SSW	SSW	S	SSW	SSW	SW	SSE	SW	35	1300	
22	22	W	NNW	N	N	N	N	N	NNW	N	N	NNE	N	N	N	NNE	NNE	NNE	NE	NE	NE	NE	ENE	E	E	N	N	46	500	
23	23	E	E	ESE	ESE	SE	SE	SSE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	ESE	SE	ESE	ESE	ESE	E	E	54	2000	
24	24	E	ESE	SE	S	SSE	SSE	S	S	S	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	W	SE	SE	56	300	
25	25	W	W	W	W	W	W	W	W	C	E	E	S	SSE	SE	SE	SSE	SSE	SE	E	E	ENE	E	E	E	E	E			
26	26	ESE	NE	NE	ENE	NNE	NE	NE	NNE	NNE	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	N	N			
27	27	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	C	N	NNW	C	W	NNW	NNW			
28	28	W	W	SSW	C	W	C	W	C	ESE	SE	S	S	S	S	SSE	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE			
29	29	SSE	SSE	SSE	SSE	S	S	S	S	SSE	S	SSE	SSE	SSE	SSE	S	SW	C	S	WSW	NNW	W	NNW	NNW	W	S	S			
30	30	W	W	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	NW	NNW	NNW	N	NW	NNW	NNW	NNW	NNE	E	SE	E	E	E	ESE	ESE			
31	31	E	E	E	E	ENE	ENE	ENE	NE	ENE	ENE	ENE	NE	ENE	NNE	N	N	NNE	NNE	NNE	NNE	ENE	ENE	ENE	ENE	ENE	ENE	ENE		

DATE	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pdir	NW	W	NW	NW	W	S	N	ESE	WSW	E	NNW	NNW	S	SSE	WNW	ENE
Avg V	13	14	29	25	18	16	21	21	25	10	24	17	10	16	13	9
dir 2	SW	SW	NNW	WSW	NW											

NOTE/AVIS: Pdir = Prevailing direction/Direction dominante  
 Avg V = Average Daily Wind Speed (KMH)  
 \* = indicates/indique < 24 hrs and/et >= 18hrs  
 dir2 = 2nd Prevailing direction