

# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada  
Environnement Canada

Prairie & Northern Region  
Région des Prairies et du Nord

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

**MONTH: March 2004**

**MOIS: mars 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	°C moyenne	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	-0.2	-7.1	-3.7	21.7	0.0	0.0	87	75			0.0	
2	-1.9	-12.6	-7.3	25.3	0.0	0.0	90	76			TR	
3	-11.6	-17.6	-14.6	32.6	0.0	0.0	89	59			TR	
4	-4.3	-15.1	-9.7	27.7	0.0	0.0	90	66			TR	
5	-3.2	-12.4	-7.8	25.8	0.0	0.0	100	86			6.0	
6	-1.0	-9.0	-5.0	23.0	0.0	0.0	97	89			1.0	
7	-3.4	-10.4	-6.9	24.9	0.0	0.0	91	70			TR	
8	1.7	-10.5	-4.4	22.4	0.0	0.0	M	M			0.0	
9	3.2	-7.4	-2.1	20.1	0.0	0.0	94	76			0.0	
10	3.4	-18.1	-7.4	25.4	0.0	0.0	97	71			0.5	
11	-16.2	-24.8	-20.6	38.6	0.0	0.0	90	61			0.5	
12	-5.0	-17.2	-11.1	29.1	0.0	0.0	82	67			0.0	
13	-0.2	-4.7	-2.5	20.5	0.0	0.0	99	68			0.5	
14	-3.2	-16.7	-10.0	28.0	0.0	0.0	96	74			TR	
15	-3.2	-20.2	-11.7	29.7	0.0	0.0	94	74			0.0	
16	1.4	-6.5	-2.6	20.6	0.0	0.0	100	83			5.0	
17	2.1	-11.8	-4.9	22.9	0.0	0.0	100	65			0.0	
18	-0.7	-14.6	-7.7	25.7	0.0	0.0	99	66			0.0	
19	5.8	-5.4	0.2	17.8	0.0	0.0	94	69			TR	
20	-5.4	-15.7	-10.6	28.6	0.0	0.0	91	70			TR	
21	-7.9	-21.8	-14.9	32.9	0.0	0.0	90	59			0.0	
22	-0.3	-14.4	-7.4	25.4	0.0	0.0	91	74			0.5	
23	-0.4	-19.8	-10.1	28.1	0.0	0.0	95	54			0.0	
24	6.6	-2.9	1.9	16.1	0.0	0.0	98	61			0.0	
25	9.9	-10.3	-0.2	18.2	0.0	0.0	98	63			TR	
26	0.6	-11.8	-5.6	23.6	0.0	0.0	91	77			TR	
27	5.1	0.4	2.8	15.2	0.0	0.0	100	80			76.0	
28	3.4	-0.5	1.5	16.5	0.0	0.0	100	83			25.5	
29	-0.2	-5.5	-2.9	20.9	0.0	0.0	96	74			0.5	
30	3.3	-7.9	-2.3	20.3	0.0	0.0	95	58			0.0	
31	9.1	-1.1	4.0	14.0	0.0	0.0	91	63			0.0	
<b>TOTAL</b>	<b>-12.7</b>	<b>-353.4</b>		<b>741.6</b>	<b>0.0</b>	<b>0.0</b>					<b>116.0</b>	<b>totale</b>
<b>MEAN</b>	<b>-0.4</b>	<b>-11.4</b>	<b>-5.9</b>				<b>94</b>	<b>70</b>				<b>moyenne</b>
<b>NORMAL</b>	<b>-1.1</b>	<b>-11.0</b>	<b>-6.1</b>	<b>746.1</b>	<b>1.7</b>	<b>0.0</b>			<b>7.5</b>	<b>15.8</b>	<b>21.5</b>	<b>normale</b>

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 THERMOMÈTRE MOUILLE																									
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	-3.3	-3.4	-3.6	-3.7	-3.7	-3.8	-3.9	-4.1	-4.1	-3.9	-3.4	-3.2	-3.3	-3.5	-3.3	-3.3	-3.6	-4.0	-4.1	-5.0	-5.7	-6.1	-7.8	-8.2	
2	-5.7	-5.9	-4.1	-3.8	-3.9	-3.7	-4.3	-4.9	-5.5	-5.8	-5.6	-4.7	-5.0	-5.4	-5.9	-5.8	-6.4	-7.0	-7.5	-10.0	-10.4	-11.2	-13.8	-15.1	
3	-15.8	-17.3	-18.2	-19.4	-20.7	-20.5	-20.1	-20.7	-21.2	-21.5	-20.7	-19.3	-17.5	-17.1	-15.9	-15.6	-15.1	-15.1	-16.7	-17.3	-18.2	-19.0	-18.2	-18.5	
4	-17.8	-14.7	-15.5	-15.8	-16.0	-15.6	-15.6	-15.3	-15.5	-14.2	-13.7	-13.1	-12.0	-11.4	-10.5	-10.3	-9.9	-9.9	-9.6	-9.2	-9.3	-9.1	-9.7	-8.2	
5	-8.6	-8.1	-8.2	-7.8	-8.0	-8.0	-8.1	-8.1	-8.2	-7.9	-7.6	-7.5	-7.5	-6.8	-5.9	-5.8	-5.2	-7.6	-9.4	-8.0	-9.4	-11.4	-11.6	-11.0	
6	-9.5	-7.6	-7.4	-7.4	-7.7	-8.0	-9.7	-8.4	-8.9	-7.9	-6.7	-6.2	-5.6	-5.1	-4.8	-4.4	-4.1	-3.8	-3.6	-3.3	-2.9	-2.1	-3.2	-5.3	
7	-6.4	-5.2	-5.3	-5.4	-5.4	-5.4	-6.7	-6.3	-7.1	-7.1	-5.4	-6.9	-7.3	-7.4	-8.1	-8.3	-7.5	-7.4	-8.7	-8.3	-9.3	-9.9	-11.1	-9.9	
8	-12.1	-11.1	-10.2	-9.4	-8.0	-7.3	-7.4	-8.1	-8.4	-7.9	-7.0	-5.5	-5.0	-4.5	-1.9	-1.5	-0.7	-0.8	M	-3.9	-4.3	-4.3	-6.3	-6.0	
9	-7.0	-7.1	-6.2	-5.7	-5.9	-5.8	-6.0	-6.4	-6.3	-5.6	-5.0	-3.7	-2.9	-1.3	-0.8	-0.3	-0.3	-0.1	-0.1	0.4	0.9	1.1	1.1	0.9	
10	0.9	0.8	0.7	1.1	1.4	1.4	1.3	1.3	1.4	0.7	-3.0	-5.9	-8.1	-9.5	-12.0	-12.0	-14.7	-16.5	-18.8	-19.7	-20.2	-19.7	-19.0	-18.9	
11	-19.3	-19.2	-19.7	-20.9	-23.8	-25.8	-26.9	-27.8	-28.4	-28.2	-27.9	-27.4	-26.1	-24.6	-22.6	-22.8	-22.1	-21.4	-21.8	-21.9	-22.5	-22.1	-21.5	-21.6	
12	-21.2	-20.5	-19.5	-18.3	-17.4	-17.0	-16.6	-16.3	-16.7	-15.5	-14.2	-13.2	-12.3	-11.5	-10.4	-10.2	-10.5	-10.0	-9.4	-9.4	-8.8	-9.0	-8.7	-8.1	
13	-8.0	-8.0	-8.7	-8.7	-8.3	-8.4	-7.7	-7.3	-6.7	-6.5	-5.3	-5.1	-4.1	-3.3	-3.2	-3.0	-3.2	-3.4	-3.8	-4.2	-4.3	-4.6	-4.2	-3.9	
14	-4.4	-4.1	-5.1	-5.9	-6.5	-7.8	-9.1	-10.4	-11.1	-11.6	-11.6	-11.1	-10.8	-10.2	-9.8	-9.4	-9.7	-9.6	-10.8	-12.5	-14.7	-13.7	-15.1	-16.7	
15	-17.4	-17.5	-18.7	-18.9	-21.6	-22.6	-20.8	-17.8	-16.0	-13.4	-12.2	-11.7	-10.9	-9.2	-7.8	-7.3	-7.2	-6.6	-6.4	-6.4	-7.0	-6.7	-6.7	-7.0	
16	-6.8	-6.1	-5.5	-5.4	-5.2	-4.0	-3.9	-4.1	-4.1	-3.6	-2.8	-2.5	-2.1	-1.2	-0.5	0.6	1.1	0.9	0.4	0.3	-1.2	-2.6	-5.5	-6.4	
17	-6.7	-5.9	-5.2	-5.9	-7.0	-7.7	-9.1	-10.4	-7.0	-7.3	-6.4	-5.1	-4.7	-3.5	-3.4	-2.6	-2.1	-1.9	-1.9	-2.4	-2.9	-3.5	-3.7	-5.1	
18	-5.4	-8.3	-9.5	-8.2	-11.8	-12.4	-14.8	-13.4	-11.7	-9.7	-7.3	-5.8	-6.0	-6.0	-5.9	-6.1	-6.7	-5.7	-6.1	-6.7	-7.2	-6.9	-7.0	-6.6	
19	-5.9	-5.6	-5.7	-4.9	-5.1	-5.1	-4.5	-4.2	-2.9	-1.0	-0.1	0.5	0.8	0.9	1.2	0.6	-0.2	-0.8	-1.1	-3.1	-3.7	-4.0	-5.0	-4.3	
20	-7.1	-9.4	-10.1	-11.7	-13.1	-13.0	-14.3	-15.8	-17.2	-17.4	-16.9	-15.6	-14.6	-13.7	-13.5	-12.8	-13.1	-13.5	-13.3	-14.1	-14.6	-15.3	-16.2	-16.8	
21	-17.3	-18.1	-21.1	-22.6	-23.1	-23.2	-24.4	-24.3	-23.2	-20.9	-19.5	-19.5	-15.0	-14.4	-13.9	-12.2	-13.6	-13.6	-11.9	-11.0	-11.5	-11.2	-10.9	-10.5	
22	-10.8	-11.2	-11.1	-11.0	-11.0	-10.6	-10.0	-9.2	-8.7	-7.6	-6.0	-4.9	-4.1	-3.0	-3.7	-4.4	-4.8	-4.4	-7.3	-10.4	-11.8	-12.8	-14.6	-15.8	
23	-17.1	-17.3	-18.5	-20.0	-20.0	-20.1	-24.4	-20.8	-19.7	-18.6	-17.6	-8.1	-12.0	-10.0	-8.4	-8.5	-6.9	-6.4	-5.9	-5.7	-5.3	-4.2	-4.2	-3.6	
24	-2.6	-1.6	-0.5	-0.4	-0.9	-0.7	-1.9	-2.2	-2.0	-2.3	-0.7	-0.1	0.0	0.2	0.6	0.7	1.0	-1.2	-0.5	0.3	0.5	0.1	-0.3	-0.8	
25	0.1	0.8	1.0	1.1	1.1	1.2	1.2	1.5	1.6	2.2	2.8	2.9	4.2	4.0	2.9	1.2	1.5	0.0	-0.5	-3.1	-5.0	-7.2	-10.1	-10.9	
26	-11.6	-12.1	-12.6	-12.6	-12.6	-12.7	-12.8	-12.9	-13.1	-12.7	-12.1	-11.8	-11.3	-9.9	-9.6	-8.1	-7.9	-7.4	-6.4	-6.4	-6.7	-5.2	-3.9	-3.2	-2.9
27	-2.6	-2.6	-2.6	-1.5	0.0	0.7	1.6	2.9	2.9	2.9	3.0	4.0	5.1	1.6	2.2	3.0	3.8	3.6	3.3	3.7	1.8	1.7	2.0	1.9	
28	1.4	1.6	1.3	1.5	1.7	1.5	1.2	1.2	1.1	1.2	1.4	1.5	1.8	2.1	2.0	0.7	-0.1	-0.4	-0.4	-0.8	-1.4	-1.4	-1.6	-1.9	
29	-1.1	-4.5	-3.8	-3.3	-3.8	-3.5	-3.4	-3.4	-3.7	-4.9	-5.4	-5.0	-5.2	-5.5	-5.5	-5.9	-6.0	-6.2	-6.4	-6.0	-6.8	-7.0	-7.3	-7.6	
30	-7.5	-7.6	-8.2	-8.7	-8.6	-8.6	-7.7	-6.9	-6.4	-6.5	-6.7	-5.9	-6.9	-5.4	-3.3	-3.1	-3.1	-3.1	-1.6	-1.8	-3.1	-2.3	-2.3	-3.3	
31	-3.0	-3.0	-2.5	-2.2	-2.2	-2.4	-2.2	-2.2	-2.6	-2.4	-2.2	-0.6	-1.1	0.4	2.1	2.9	2.9	2.9	3.3	4.7	4.0	0.0	-1.1	-1.9	

NOTE/AVIS: 1. Unit = °C 1. Unite = °C  
 2. No entry = Missing / Pas dealeur - 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						S	S	S	S	S	S	S	S											
3												S	S	S	S	S	IC	IC	IC					
4	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											
6						S	S	S	S	S	S	S	S							S	S	S	S	
7						S					S													
8																								
9																								
10										RS	S						S	S			S	S	S	S
11	S	S	S	S																				
12																								
13				S	S					S	S	S						L			S	ZRS	S	S
14	S	S	S	S	S	S	S	S	S	S	S													
15																								
16						S	S	S	S	S	S	S	S											
17																								
18																								
19				S	S																			S
20		S	S	S	S	S	S	S																
21																								
22																			S					
23																								
24																								
25																								S
26	S	S	S	S	S	S	S	S	S	S	S	S	S									ZR		
27					RW	RW	RW	RW	R	R	R	R	R	R	R	TRW	R	R	R	R	R	R	R	R
28	R	R	R	R	R	R	R	R	R	R	R	R	R											
29	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

