

# 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: November 2004**

**MOIS: novembre 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	6.3	-2.1	2.1	15.9	0.0	0.0	100	75	M	M	0.0	M
2	8.3	-5.7	1.3	16.7	0.0	0.0	93	52	M	M	0.0	M
3	6.6	1.1	3.9	14.1	0.0	0.0	99	74	M	M	1.0	M
4	6.9	-1.4	2.8	15.2	0.0	0.0	93	46	M	M	0.0	M
5	13.3	3.4	8.4	9.6	3.4	0.0	75	39	M	M	0.0	M
6	11.3	-1.9	4.7	13.3	0.0	0.0	94	57	M	M	0.5	M
7	3.7	-6.2	-1.3	19.3	0.0	0.0	94	50	M	M	TR	M
8	3.0	-5.9	-1.5	19.5	0.0	0.0	90	47	M	M	0.0	M
9	8.4	-1.9	3.3	14.7	0.0	0.0	88	62	M	M	0.0	M
10	1.4	-8.5	-3.6	21.6	0.0	0.0	90	43	M	M	0.0	M
11	2.7	-9.2	-3.3	21.3	0.0	0.0	83	42	M	M	0.0	M
12	8.7	-6.7	1.0	17.0	0.0	0.0	85	41	M	M	0.0	M
13	7.1	-3.8	1.7	16.3	0.0	0.0	77	48	M	M	0.0	M
14	10.1	-1.3	4.4	13.6	0.0	0.0	73	49	M	M	0.0	M
15	8.1	-1.8	3.2	14.8	0.0	0.0	85	63	M	M	0.0	M
16	10.7	-1.7	4.5	13.5	0.0	0.0	96	52	M	M	0.0	M
17	11.5	-5.4	3.1	14.9	0.0	0.0	100	58	M	M	0.0	M
18	8.4	-2.8	2.8	15.2	0.0	0.0	78	40	M	M	0.0	M
19	6.4	-4.7	0.9	17.1	0.0	0.0	97	53	M	M	0.5	M
20	1.4	-5.8	-2.2	20.2	0.0	0.0	93	71	M	M	TR	M
21	3.0	-9.7	-3.4	21.4	0.0	0.0	91	57	M	M	0.0	M
22	6.6	-3.6	1.5	16.5	0.0	0.0	99	50	M	M	4.5	M
23	-2.6	-13.0	-7.8	25.8	0.0	0.0	93	69	M	M	TR	M
24	-5.1	-12.5	-8.8	26.8	0.0	0.0	89	61	M	M	TR	M
25	-3.2	-11.8	-7.5	25.5	0.0	0.0	91	78	M	M	2.5	M
26	-0.2	-11.3	-5.8	23.8	0.0	0.0	94	74	M	M	0.5	M
27	-2.1	-15.0	-8.6	26.6	0.0	0.0	100	72	M	M	0.0	M
28	-4.3	-14.6	-9.5	27.5	0.0	0.0	94	71	M	M	TR	M
29	2.1	-10.7	-4.3	22.3	0.0	0.0	86	60	M	M	0.0	M
30	-1.9	-14.6	-8.3	26.3	0.0	0.0	89	77	M	M	0.5	M
31												
<b>TOTAL</b>	136.6	-189.1		566.3	3.4	0.0			0.0	0.0	10.0	<b>totale</b>
<b>MEAN</b>	4.6	-6.3	-0.9				90	58				<b>moyenne</b>
<b>NORMAL</b>	-0.9	-9.6	-5.3	698.0	4.1	0.0			6.1	21.4	25.0	<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 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	2.0	1.9	-0.1	-0.3	-0.9	-1.2	-1.6	-1.3	0.0	1.6	2.3	2.9	3.0	2.3	2.7	2.0	1.2	0.7	0.2	-0.3	-0.6	-3.0	-1.9	-2.5	
2	-3.2	-4.1	-4.3	-4.9	-6.0	-6.3	-5.4	-5.3	-5.1	-3.0	-0.7	-0.5	-1.6	-1.6	-1.5	-1.0	-0.4	-0.5	-0.4	-0.5	-0.7	-0.3	-0.6	-0.8	
3	-0.8	-0.8	-0.6	-0.4	-0.2	-0.2	-0.6	-0.5	-0.4	0.1	0.4	1.2	1.9	2.2	2.2	3.0	3.9	4.6	3.9	3.7	3.5	3.3	2.9	2.8	
4	0.9	0.0	0.5	-1.3	-1.4	-2.4	-2.8	-3.3	-3.2	-2.4	-1.6	-1.8	-1.6	-2.6	-3.5	-4.1	-4.2	-3.9	-2.2	-3.6	-3.1	-3.1	-2.7	-2.6	
5	-2.6	-2.7	-3.4	-2.9	-2.8	-2.6	-2.2	-1.9	-2.2	-1.9	-1.4	-1.0	-0.3	0.1	-0.6	-1.3	-0.8	-0.7	-0.4	-0.3	-0.5	-0.5	-0.5	0.1	
6	0.6	-0.3	-0.1	1.0	0.1	0.9	0.7	1.2	1.1	2.3	2.0	1.6	2.5	2.8	5.3	5.4	4.3	2.5	1.6	0.2	-0.9	-2.6	-1.6	-2.1	
7	-2.9	-2.8	-3.2	-5.2	-5.7	-5.0	-5.3	-5.4	-5.3	-3.5	-3.3	-5.6	-7.3	-6.9	-7.2	-7.0	-7.7	-7.6	-8.5	-8.5	-6.9	-7.1	-8.1	-7.8	
8	-8.2	-8.0	-6.7	-5.4	-5.6	-5.9	-7.1	-7.5	-8.8	-7.3	-7.8	-8.5	-8.1	-7.6	-8.3	-8.2	-7.7	-7.3	-7.1	-8.0	-7.8	-7.7	-7.9	-7.8	
9	-7.1	-6.1	-5.5	-5.2	-5.1	-5.0	-4.8	-4.7	-4.3	-3.7	-3.1	-2.2	-1.2	0.0	1.0	1.3	1.2	0.5	-0.4	-0.8	-0.8	-1.3	-1.5	-2.1	
10	-2.5	-2.9	-2.8	-2.8	-3.1	-4.2	-4.5	-5.2	-5.3	-5.2	-6.4	-8.8	-9.5	-9.9	-10.4	-10.4	-9.8	-8.6	-8.7	-9.5	-10.4	-11.0	-10.5	-10.3	
11	-11.0	-10.8	-11.3	-11.3	-11.5	-11.2	-11.1	-10.9	-10.7	-9.0	-8.2	-6.9	-8.0	-8.8	-9.1	-9.2	-9.2	-9.2	-8.9	-8.1	-7.4	-7.1	-7.8	-7.7	-7.9
12	-7.7	-8.0	-8.1	-8.4	-8.5	-8.7	-8.7	-7.9	-7.2	-6.6	-5.4	-4.8	-4.9	-4.8	-4.4	-4.3	-4.1	-3.8	-3.6	-4.6	-5.2	-5.9	-6.1	-6.7	
13	-6.9	-6.9	-6.7	-6.9	-7.2	-7.1	-7.3	-7.2	-7.0	-6.4	-5.5	-4.5	-4.0	-4.0	-3.5	-3.2	-2.8	-3.0	-2.8	-3.0	-2.8	-2.9	-3.6	-3.8	
14	-3.9	-4.3	-4.7	-4.9	-5.0	-5.0	-5.1	-5.2	-5.3	-4.9	-4.2	-3.8	-3.2	-2.1	-0.9	-0.1	0.3	-0.2	-0.4	-0.9	-1.9	-2.5	-3.3	-3.2	
15	-3.5	-3.6	-3.8	-3.8	-3.8	-3.9	-3.8	-3.8	-3.8	-3.6	-2.8	-1.9	-0.4	-0.1	0.8	1.1	1.2	1.3	1.4	1.5	1.4	1.4	1.4	1.3	
16	1.0	0.8	0.7	0.5	0.1	-0.2	-0.4	-0.6	-0.7	-0.2	0.5	0.9	1.2	1.0	0.6	1.2	1.3	0.8	0.4	-1.1	-1.8	-1.9	-1.6	-1.9	
17	-2.0	-1.5	-2.5	-3.2	-3.5	-4.8	-5.2	-5.5	-4.6	0.0	2.4	2.5	2.9	3.2	3.5	3.5	3.6	3.0	3.2	2.0	1.1	-0.1	-1.5	-2.0	
18	-2.3	-2.9	-3.3	-4.0	-4.7	-5.0	-5.3	-6.1	-6.0	-5.5	-4.9	-4.5	-4.0	-3.9	-4.4	-5.0	-4.9	-5.5	-6.3	-6.1	-5.2	-5.3	-5.4	-5.4	
19	-5.4	-6.1	-6.6	-6.3	-6.1	-6.8	-6.2	-5.4	-5.1	-4.7	-3.7	-3.4	-3.0	-3.2	-2.8	-2.9	-2.6	-2.0	-1.2	-1.3	-0.2	0.9	1.2	0.8	
20	0.3	-0.3	-0.4	-0.7	-0.8	-0.9	-1.2	-1.7	-2.1	-3.2	-3.5	-3.5	-4.0	-4.2	-5.3	-5.5	-6.0	-6.1	-6.3	-5.9	-5.6	-5.0	-5.4	-6.5	
21	-7.5	-8.3	-9.0	-9.9	-9.2	-9.6	-10.3	-10.9	-9.9	-8.4	-6.1	-5.3	-4.6	-4.5	-4.9	-4.8	-4.6	-4.7	-4.6	-5.3	-5.5	-5.5	-5.5	-5.3	
22	-5.3	-5.1	-4.8	-4.6	-4.4	-4.6	-4.5	-4.6	-4.6	-4.1	-3.8	-3.0	-3.0	0.3	2.2	1.9	0.0	0.1	-1.5	-3.1	-4.9	-5.0	-4.2	-5.4	
23	-6.6	-8.2	-8.4	-7.4	-8.2	-8.0	-8.6	-8.4	-9.0	-9.6	-9.8	-9.1	-8.6	-9.3	-8.4	-9.4	-10.0	-10.2	-10.3	-10.4	-13.5	-13.2	-13.8	-11.7	
24	-10.6	-10.0	-9.4	-10.0	-10.5	-10.6	-10.8	-12.2	-12.1	-11.8	-11.9	-12.0	-12.0	-11.9	-10.8	-11.1	-11.3	-11.2	-12.7	-13.1	-13.3	-14.4	-13.8	-12.7	
25	-12.8	-12.8	-12.4	-13.7	-13.3	-12.9	-13.0	-12.7	-12.4	-11.5	-10.6	-10.5	-10.0	-9.1	-8.9	-8.1	-7.7	-7.5	-7.8	-7.8	-7.5	-7.1	-6.8	-6.0	
26	-4.6	-3.8	-3.6	-3.2	-2.7	-2.3	-2.8	-3.4	-3.5	-3.6	-3.7	-3.9	-4.3	-4.6	-4.6	-4.8	-5.6	-5.3	-7.5	-6.4	-6.9	-7.4	-7.5	-8.4	
27	-11.1	-11.1	-11.8	-10.0	-12.1	-13.9	-14.7	-13.2	-12.9	-12.5	-10.6	-9.4	-6.7	-5.6	-6.7	-6.5	-6.7	-6.6	-8.3	-9.4	-10.1	-13.5	-11.1	-8.8	
28	-7.6	-5.9	-6.0	-7.6	-7.6	-9.3	-10.4	-11.6	-12.7	-13.9	-14.6	-14.3	-15.2	-15.2	-14.8	-14.8	-15.2	-15.2	-15.5	-15.1	-14.8	-14.5	-14.0	-13.7	
29	-13.4	-12.1	-11.7	-10.5	-9.2	-8.9	-9.2	-9.0	-7.7	-6.8	-6.2	-6.3	-6.2	-5.8	-5.6	-5.3	-4.8	-4.9	-4.3	-4.6	-4.9	-5.4	-6.0	-6.2	
30	-5.6	-5.5	-5.7	-5.5	-7.0	-8.1	-8.9	-10.4	-11.4	-12.7	-12.6	-13.8	-13.7	-13.3	-14.3	-13.7	-14.5	-14.9	-14.8	-15.0	-14.6	-15.1	-15.4	-15.6	
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
	Hour (Local Standard Time) / Heure (temps standard local)																							
1																								
2																								
3															RW		RW	RW	RW					
4																								
5																								
6															RW									
7																								
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16																								
17																								
18																								
19																					R	R	R	L
20																								
21																								
22															R	R	R	S	S	S	S		S	S
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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	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	Hour		
DATE	DATE																								Gust	Hour			
16	16	S	S	S	S	S	S	S	S	S	S	SSW	S	SSW	W	N	N	NNE	NNE	NE	WNW	NNE	N	NNE	NNE	S	37	9	
17	17	C	C	C	ENE	0	0	0	0	0	0	SW	SW	SW	SSW	SSW	SSW	S	S	SSW	SSW	WSW	W	W	W				
18	18	W	W	W	W	W	W	W	W	W	W	WNW	WNW	WNW	NW	NW	NW	C	C	C	S	S	S	S	S				
19	19	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	SSW	WSW	WSW	S			
20	20	W	W	W	W	W	W	W	W	W	W	NW	NW	WNW	WNW	NW	NW	WNW	WNW	NNW	NNW	W	W	W	W	44	19		
21	21	W	WSW	WSW	S	SW	SW	S	S	S	S	SSW	SSW	SSW	W	WSW	SW	SW	S	S	SSW	SSW	SSW	SSW	S	52	20		
22	22	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	NNW	NNW	NNW	NNW	NNW	S	32	3	
23	23	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	57	1		
24	24	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	46	10	
25	25	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE			
26	26	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	NW	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	39		
27	27	W	WSW	SW	W	WNW	WNW	NW	WNW	C	WSW	C	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW			
28	28	NW	NW	NW	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW			
29	29	SSW	S	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW		
30	30	WSW	WSW	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	50	18	
31	31	20	17	15	9	24	20	30	35	30	28	22	20	28	24	26	22	22	22	24	24	19	15	17	20	19	44	13	

DATE	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pdir	S	W	W	S	WNW	S	SSW	W	N	SE	W	SW	N	WSW	NE	
Avg V	15	11	15	22	21	15	24	21	5	18	12	8	15	24	22	
dir 2	SSW								SW							

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