

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: July 2004

MOIS: juillet 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	24.7	5.5	15.1	2.9	10.1	0.0	99	42	M	M	2.5	M
2	22.1	15.7	18.9	0.0	13.9	0.9	100	61	M	M	1.5	M
3	20.9	11.2	16.1	1.9	11.1	0.0	100	81	M	M	0.5	M
4	16.8	7.5	12.2	5.8	7.2	0.0	100	57	M	M	0.0	M
5	19.8	7.0	13.4	4.6	8.4	0.0	94	46	M	M	0.0	M
6	23.3	7.2	15.3	2.7	10.3	0.0	95	38	M	M	0.0	M
7	25.0	12.7	18.9	0.0	13.9	0.9	94	38	M	M	11.0	M
8	21.0	9.9	15.5	2.5	10.5	0.0	97	58	M	M	11.5	M
9	25.8	13.0	19.4	0.0	14.4	1.4	99	46	M	M	4.5	M
10	27.6	14.9	21.3	0.0	16.3	3.3	94	47	M	M	0.0	M
11	27.5	12.1	19.8	0.0	14.8	1.8	98	47	M	M	9.0	M
12	26.2	15.5	20.9	0.0	15.9	2.9	98	55	M	M	0.0	M
13	25.5	13.4	19.5	0.0	14.5	1.5	98	56	M	M	0.0	M
14	27.5	12.7	20.1	0.0	15.1	2.1	99	50	M	M	0.0	M
15	26.8	16.0	21.4	0.0	16.4	3.4	92	64	M	M	0.0	M
16	23.3	10.7	17.0	1.0	12.0	0.0	98	41	M	M	0.0	M
17	25.8	7.9	16.9	1.1	11.9	0.0	100	50	M	M	0.5	M
18	30.6	16.9	23.8	0.0	18.8	5.8	90	55	M	M	0.0	M
19	29.4	17.2	23.3	0.0	18.3	5.3	98	55	M	M	TR	M
20	29.6	18.5	24.1	0.0	19.1	6.1	82	60	M	M	2.0	M
21	24.5	10.2	17.4	0.6	12.4	0.0	97	68	M	M	0.0	M
22	20.5	5.5	13.0	5.0	8.0	0.0	97	46	M	M	0.0	M
23	21.0	3.0	12.0	6.0	7.0	0.0	94	39	M	M	0.0	M
24	27.2	10.6	18.9	0.0	13.9	0.9	87	45	M	M	0.0	M
25	29.3	13.6	21.5	0.0	16.5	3.5	81	39	M	M	0.0	M
26	28.4	14.2	21.3	0.0	16.3	3.3	81	43	M	M	0.0	M
27	26.2	17.0	21.6	0.0	16.6	3.6	86	67	M	M	0.5	M
28	23.7	14.9	19.3	0.0	14.3	1.3	97	59	M	M	0.5	M
29	16.8	11.8	14.3	3.7	9.3	0.0	99	71	M	M	1.5	M
30	19.0	10.6	14.8	3.2	9.8	0.0	96	57	M	M	TR	M
31	25.8	10.4	18.1	0.0	13.1	0.1	97	51	M	M	21.5	M
TOTAL	761.6	367.3		41.0	410.1	48.1			0.0	0.0	67.0	totale
MEAN	24.6	11.8	18.2				95	53				moyenne
NORMAL	25.8	13.3	19.5	20.9	450.5	68.3			70.6	0.0	70.6	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

DATE		DEWPOINT TEMPERATURES / TEMPÉRATURE PRISE AU THERMOMÈTRE MOUILLÉ																							
		Hour (Local Standard Time) / Heure (temps standard local)																							
		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		7.3	7.9	7.5	7.3	5.7	5.6	9.0	10.3	10.4	10.9	10.9	11.0	11.0	11.2	10.2	10.2	10.1	10.5	11.5	11.7	11.9	11.4	11.3	11.2
2		11.7	11.1	9.5	9.5	9.7	9.8	10.9	11.7	11.9	13.2	14.8	15.7	15.8	17.1	17.6	17.7	19.2	19.2	19.6	20.2	19.6	19.6	18.1	17.4
3		17.1	16.1	14.2	15.1	15.2	15.0	15.0	15.3	15.5	16.1	15.8	16.5	16.8	17.1	17.2	17.2	16.4	16.2	16.2	14.8	13.5	12.5	11.9	11.0
4		10.6	10.3	10.0	9.7	9.6	9.7	9.5	9.7	9.7	9.9	9.5	9.5	9.7	9.3	9.3	10.0	10.0	9.7	8.8	7.7	8.5	9.1	8.5	8.1
5		6.9	8.4	8.3	9.0	8.4	7.5	8.3	8.0	6.8	7.2	7.2	7.5	7.9	7.1	6.9	7.3	7.9	7.3	8.2	8.1	8.0	7.7	7.5	8.1
6		7.9	7.6	7.1	6.7	6.5	7.3	9.1	9.1	10.5	10.4	8.9	8.7	7.4	6.3	7.5	7.7	7.7	8.1	8.2	7.2	7.8	8.7	7.9	8.8
7		9.0	12.7	12.8	12.6	12.1	11.5	12.3	12.5	12.4	12.6	12.6	9.9	8.8	9.1	9.3	9.3	10.5	10.3	9.4	8.5	8.3	8.1	8.7	8.7
8		9.5	9.4	7.9	8.3	9.1	9.3	10.6	11.2	11.7	11.2	12.5	12.3	12.9	12.7	11.9	12.7	11.5	11.5	12.8	13.5	13.7	13.8	13.4	13.6
9		13.2	13.7	14.2	14.5	13.5	13.0	13.1	13.7	14.0	14.4	14.6	14.6	15.8	15.9	16.1	15.1	15.2	14.1	12.8	13.7	14.2	14.2	15.0	14.1
10		14.1	15.4	15.3	15.1	15.4	15.6	16.1	16.6	16.2	16.7	18.0	18.8	17.7	16.5	16.2	16.7	15.0	16.0	15.4	16.9	16.8	16.9	15.8	14.8
11		13.1	13.8	13.0	12.5	12.5	11.6	14.4	16.4	17.0	16.7	14.8	14.4	15.6	15.7	14.8	15.4	15.6	15.5	15.0	14.9	14.7	13.7	13.3	13.8
12		14.4	13.8	13.3	13.7	14.7	14.9	16.4	17.1	17.3	17.9	18.3	18.8	19.2	19.3	19.0	18.7	18.6	16.9	17.4	14.5	15.7	16.0	14.4	13.8
13		13.8	13.9	14.5	14.0	13.4	13.2	13.6	14.6	15.3	15.4	15.2	16.0	16.5	16.7	16.4	17.2	15.6	18.0	18.3	17.8	17.2	16.9	15.9	15.3
14		14.8	14.6	14.3	14.4	13.5	12.9	15.0	16.8	18.3	17.4	18.0	18.2	16.9	17.8	16.5	17.1	15.9	17.1	16.8	17.8	17.1	16.9	16.6	16.5
15		16.8	16.7	16.2	16.5	16.3	16.4	16.6	17.3	18.4	18.3	17.6	16.7	17.3	18.1	18.2	18.0	18.0	18.3	18.1	17.8	18.4	16.8	15.5	15.1
16		14.9	15.1	15.5	15.3	14.9	14.4	14.6	15.3	14.9	15.3	15.9	14.9	14.4	14.1	11.0	9.8	10.0	8.4	11.2	11.6	12.7	12.4	11.1	10.6
17		10.8	9.6	9.0	8.8	9.0	8.4	9.6	13.0	13.8	13.3	13.5	14.3	14.8	14.9	15.0	14.3	15.0	14.2	14.2	14.8	14.3	14.2	14.5	14.5
18		15.0	15.1	14.9	14.7	14.7	14.9	15.4	16.6	17.9	18.1	19.4	19.8	20.4	18.6	19.7	20.4	21.9	20.8	21.0	20.8	20.2	19.1	19.0	19.2
19		19.7	19.5	19.3	18.1	17.9	16.9	17.8	19.2	19.5	20.1	19.6	19.2	19.5	19.2	19.8	19.1	19.0	17.9	17.2	18.6	17.2	15.6	15.5	16.3
20		16.3	16.5	16.3	15.3	16.0	16.4	17.1	18.0	18.8	20.0	21.3	21.4	21.7	21.6	21.9	20.7	20.6	20.7	21.3	20.8	20.3	20.3	20.9	19.7
21		19.9	19.5	19.1	19.6	19.0	17.6	16.0	15.2	15.5	16.0	16.2	16.1	15.4	15.7	15.3	15.5	13.9	13.5	12.8	11.7	10.8	10.0	9.8	9.8
22		10.3	11.4	12.1	12.5	12.1	12.4	12.3	12.8	13.2	10.6	10.1	10.3	8.2	8.7	8.9	8.7	8.0	6.4	7.9	8.2	7.9	7.8	6.4	5.6
23		4.5	4.6	3.7	3.1	2.1	2.9	4.9	7.6	8.4	5.9	7.4	6.7	6.8	7.6	7.8	7.7	7.1	6.2	7.5	9.0	8.3	8.1	8.4	8.6
24		8.6	8.8	8.8	8.9	8.8	8.7	9.1	10.1	12.4	13.4	13.8	15.0	14.8	15.5	14.1	13.8	13.9	13.6	14.5	15.1	14.7	13.7	12.8	12.8
25		12.5	12.4	12.2	11.8	11.3	10.9	10.9	11.4	12.0	13.3	14.6	15.1	14.6	14.8	14.9	15.0	14.9	13.0	13.1	13.8	14.0	13.6	12.8	12.0
26		11.6	11.6	11.4	11.3	11.5	11.4	11.6	12.1	12.9	13.9	14.3	15.5	16.0	13.8	15.1	15.0	14.7	14.8	14.8	14.6	13.7	12.8	12.8	13.0
27		13.5	13.8	13.7	13.7	13.5	13.3	13.3	13.5	14.2	14.9	15.1	17.1	16.8	17.5	17.8	18.0	18.5	18.8	19.0	19.1	19.2	16.6	15.9	15.2
28		14.9	14.4	14.7	14.3	13.4	13.1	12.9	13.4	14.4	15.0	15.1	14.6	14.4	13.7	13.9	15.3	14.0	13.8	13.6	14.6	14.3	14.1	14.7	14.3
29		14.5	13.9	12.8	12.8	12.5	11.7	12.3	11.5	10.4	11.1	10.9	9.9	10.2	11.0	11.1	12.3	11.9	11.3	9.8	10.0	10.4	10.6	11.1	11.2
30		11.0	10.6	10.9	10.5	10.0	10.2	11.0	11.2	10.7	9.9	9.7	9.3	9.6	10.5	9.9	10.1	10.9	11.3	10.8	10.8	11.4	11.2	11.4	11.6
31		10.6	9.9	9.7	9.6	9.4	9.1	9.2	9.9	10.9	12.3	13.0	13.7	13.4	13.6	14.3	15.0	16.6	18.1	16.0	15.0	16.2	15.2	15.0	14.8

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

PRECIPITATION OCCURRENCES / EVENEMENT DES PRECIPITATIONS	
DATE	Hour (Local Standard Time) / Heure (temps standard local)
	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	L R
5	L
6	
7	
8	
9	RW RW
10	TRW
11	
12	RW RW
13	
14	
15	
16	
17	
18	RW
19	
20	RW
21	RW RW
22	
23	
24	
25	
26	
27	RW RW
28	
29	RW R
30	L
31	

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

Hour		DES VENTS (km/h)																													Peak	
Hour	Hour	WINDS (km/h)																												Gust	Hour	
DATE	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	Rate	Rate					
16	16	NNW	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NNE	NE	NE	NE	NE	NE	NNE	NNE	NE	NE	C	NW	NNW	NNW	NNE	32	1200			
17	17	C	WNW	WNW	WNW	C	W	C	C	WSW	WSW	WNW	SSW	SSW	SSW	SSW	S	SW	SW	SSW	S	S	S	S	S	S	S					
18	18	SSW	SSW	S	S	S	S	SSW	S	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW		
19	19	W	W	NW	N	NW	WNW	NW	NW	NNW	N	N	NNW	N	ENE	NE	NE	N	ENE	NE	ENE	E	E	ESE	S	N	32	1300				
20	20	S	S	SSW	SSW	SSW	S	SSW	S	SSW	W	WSW	NW	NW	SSW	SSW	SSW	SSW	SSW	S	S	SSW	S	S	S	S	S	S	S	S		
21	21	S	S	SSW	SSW	SSW	SSW	W	W	W	WNW	NW	NW	NW	NW	NW	NW	NW	NNW	N	N	N	NNW	NNW	W	NNW	W	50	1400			
22	22	W	W	C	WNW	NW	NW	WNW	NW	NNW	N	WNW	N	NW	N	NW	NW	NW	NNW	N	N	NNE	N	N	N	N	N					
23	23	NW	NW	WNW	NW	W	W	W	W	W	WNW	W	WSW	NNW	SSW	WNW	NW	NW	W	W	WSW	SSW	SSW	S	S	S	S	S	S	S		
24	24	S	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
25	25	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
26	26	S	S	SSW	SSW	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	S	
27	27	S	S	S	S	S	S	S	S	S	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
28	28	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
29	29	WNW	NNW	N	N	NNW	NNW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
30	30	W	W	NNW	N	C	NW	C	WNW	W	C	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
31	31	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
31	31	13	15	15	13	15	13	13	15	22	19	26	26	30	28	33	24	20	7	11	11	9	6	9	4	70	NNE	70	M			

DATE	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pdir	NNE	S	S	N	S	W	N	W	SSW	SSW	S	S	W	NW	W	SSW
Avg V	13	8	14	10	13	22	11	10	15	17	26	24	16	12	5	17
dir 2		SSW	SSW		SSW											

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