

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: October 2004

MOIS: octobre 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	11.0	0.4	5.7	12.3	0.7	0.0	92	35	M	M	0.5	M
2	13.0	-1.2	5.9	12.1	0.9	0.0	73	25	M	M	0.0	M
3	12.4	-3.9	4.3	13.7	0.0	0.0	97	49	M	M	1.5	M
4	10.3	-6.2	2.1	15.9	0.0	0.0	91	32	M	M	0.0	M
5	24.8	3.5	14.2	3.8	9.2	0.0	94	29	M	M	0.0	M
6	25.7	2.0	13.9	4.1	8.9	0.0	96	40	M	M	0.0	M
7	21.4	13.1	17.3	0.7	12.3	0.0	90	64	M	M	TR	M
8	18.8	2.4	10.6	7.4	5.6	0.0	92	40	M	M	1.5	M
9	19.8	2.1	11.0	7.0	6.0	0.0	92	32	M	M	0.0	M
10	21.9	5.8	13.9	4.1	8.9	0.0	92	46	M	M	0.0	M
11	19.2	2.1	10.7	7.3	5.7	0.0	98	36	M	M	0.0	M
12	15.1	2.9	9.0	9.0	4.0	0.0	99	63	M	M	1.0	M
13	8.6	-1.5	3.6	14.4	0.0	0.0	87	60	M	M	TR	M
14	5.1	0.4	2.8	15.2	0.0	0.0	100	79	M	M	10.5	M
15	4.5	-0.2	2.2	15.8	0.0	0.0	96	86	M	M	2.0	M
16	1.4	-1.7	-0.2	18.2	0.0	0.0	88	71	M	M	TR	M
17	-0.8	-7.5	-4.2	22.2	0.0	0.0	93	56	M	M	0.0	M
18	5.0	-9.6	-2.3	20.3	0.0	0.0	94	59	M	M	1.0	M
19	6.6	3.4	5.0	13.0	0.0	0.0	100	89	M	M	10.5	M
20	5.8	1.3	3.6	14.4	0.0	0.0	99	78	M	M	1.0	M
21	10.7	4.0	7.4	10.6	2.4	0.0	100	91	M	M	2.5	M
22	6.0	3.4	4.7	13.3	0.0	0.0	100	96	M	M	2.0	M
23	5.2	-0.1	2.6	15.4	0.0	0.0	100	95	M	M	3.0	M
24	6.4	2.4	4.4	13.6	0.0	0.0	100	94	M	M	8.0	M
25	8.3	-2.0	3.2	14.8	0.0	0.0	97	74	M	M	TR	M
26	11.8	-1.0	5.4	12.6	0.4	0.0	99	63	M	M	0.0	M
27	10.1	2.8	6.5	11.5	1.5	0.0	90	63	M	M	1.0	M
28	10.6	7.3	9.0	9.0	4.0	0.0	100	98	M	M	3.5	M
29	10.1	3.8	7.0	11.0	2.0	0.0	100	96	M	M	1.0	M
30	4.5	1.1	2.8	15.2	0.0	0.0	97	84	M	M	0.0	M
31	4.7	0.1	2.4	15.6	0.0	0.0	98	86	M	M	0.0	M
TOTAL	338.0	29.4		373.5	72.5	0.0					50.5	totale
MEAN	10.9	0.9	5.9				95	65				moyenne
NORMAL	10.8	-0.3	5.3	395.5	66.5	0.2			31.0	5.0	36.0	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 THERMOMÈTRE 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	8.2	7.9	4.7	2.9	1.3	-2.2	-3.1	-4.3	-4.0	-4.4	-5.1	-5.3	-5.5	-7.6	-8.5	-8.8	-8.3	-5.8	-5.8	-5.2	-4.6	-4.8	-5.4	-5.9
2	-5.5	-5.1	-4.7	-4.9	-5.0	-5.1	-5.3	-5.5	-5.2	-5.4	-4.4	-5.4	-5.5	-5.8	-6.9	-7.3	-6.9	-6.7	-3.7	-3.5	-3.1	-2.2	0.5	2.9
3	3.7	6.2	7.1	7.5	7.7	7.0	5.6	4.0	3.8	-0.7	-3.2	-2.6	-2.2	-1.0	-4.4	-4.4	-4.3	-2.2	-5.4	-7.2	-5.9	-5.8	-6.7	-6.3
4	-6.4	-7.2	-6.5	-6.0	-5.0	-6.3	-6.9	-6.8	-5.8	-4.9	-5.6	-6.7	-6.3	-7.0	-6.1	-5.8	-6.0	-5.6	-5.5	-5.0	-4.0	-4.1	-3.6	-3.2
5	-2.6	-1.7	-0.7	0.2	1.2	1.6	2.1	2.5	3.4	4.6	5.6	6.5	6.9	6.6	5.6	5.1	6.2	7.4	6.2	5.8	4.8	4.4	3.9	3.1
6	2.9	3.6	2.4	3.2	1.3	3.1	3.1	2.9	5.7	7.5	8.5	9.0	8.3	10.4	11.8	12.1	12.4	12.8	12.8	11.8	10.4	11.6	12.4	12.9
7	12.8	12.8	12.8	12.6	12.1	11.9	11.7	11.6	12.0	12.3	12.6	13.2	13.4	13.8	13.7	13.7	13.4	13.2	13.1	12.8	12.9	12.8	12.5	11.9
8	9.0	8.7	6.7	7.1	7.8	8.7	8.6	8.2	8.2	7.8	7.6	6.3	5.7	6.0	5.6	5.0	4.1	4.2	4.3	3.9	3.1	2.9	3.5	2.9
9	1.2	1.4	1.9	2.6	1.2	1.5	1.5	1.5	2.9	4.4	5.6	5.6	4.4	4.2	3.5	2.5	3.0	3.4	3.0	2.9	2.8	2.7	2.8	2.7
10	2.3	2.2	2.3	2.6	2.9	3.4	3.4	3.5	3.8	4.4	5.0	6.0	7.2	7.5	8.4	9.6	10.1	10.7	9.8	8.5	8.3	6.6	6.6	5.9
11	4.6	4.0	4.4	2.8	2.7	2.2	1.7	3.5	5.9	7.4	9.2	7.4	6.9	5.2	4.6	4.6	3.4	5.5	5.3	5.0	3.5	3.2	3.4	2.9
12	2.8	2.7	2.4	3.2	2.6	2.5	1.9	1.9	5.0	6.3	7.0	7.7	8.1	7.7	9.1	10.1	10.2	10.5	9.5	8.7	8.5	6.7	5.1	4.6
13	4.1	2.9	2.6	2.7	2.3	1.5	0.7	1.5	1.4	0.9	1.1	0.3	-0.5	-0.6	0.4	-0.3	-0.1	-0.5	-1.5	-2.2	-2.7	-2.3	-0.8	-0.7
14	-1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.2	1.4	2.1	2.0	0.7	0.6	1.3	2.2	2.9	3.3	3.8	4.0	4.0	4.6	4.1	3.7
15	2.9	2.1	2.1	1.9	1.9	1.6	1.5	1.6	2.1	2.3	2.4	2.7	2.6	2.2	2.0	1.5	1.2	0.5	0.0	-0.6	-0.4	-0.5	-0.8	-1.3
16	-1.6	-1.9	-2.0	-2.7	-3.1	-3.4	-3.7	-3.7	-3.8	-3.8	-3.8	-3.7	-4.2	-3.6	-3.7	-3.7	-3.4	-3.6	-4.0	-4.1	-4.0	-3.9	-3.9	-4.0
17	-4.0	-4.2	-4.2	-4.6	-4.8	-4.5	-5.3	-6.0	-4.4	-3.8	-4.3	-6.6	-4.8	-5.3	-6.6	-7.6	-9.4	-8.5	-8.2	-7.7	-7.5	-7.6	-8.0	-8.3
18	-8.5	-10.0	-9.4	-9.6	-9.7	-9.6	-9.6	-8.4	-6.4	-4.8	-3.7	-3.6	-2.6	-2.6	-2.2	-2.6	-2.8	-2.8	-2.8	-1.2	-0.7	0.7	1.5	2.3
19	2.4	2.4	2.7	2.8	2.9	3.0	3.3	3.5	3.7	4.2	4.1	4.6	5.1	5.3	5.6	6.3	6.2	6.1	6.3	6.4	6.2	5.8	5.4	5.2
20	4.0	3.4	3.2	2.7	2.2	1.6	1.3	1.1	0.7	0.5	1.4	1.1	1.2	1.4	1.2	0.5	1.1	0.6	0.6	0.9	1.1	1.3	1.7	2.4
21	2.8	3.4	4.1	4.6	5.4	6.2	7.2	7.3	7.9	8.4	8.8	9.0	9.1	9.1	9.1	9.4	9.8	9.8	9.8	10.2	10.3	10.3	7.0	6.0
22	5.1	4.7	4.4	4.0	3.8	3.5	3.2	3.3	3.4	3.4	3.7	3.3	3.6	3.7	4.4	4.2	4.1	3.8	3.8	3.7	4.0	4.2	4.2	4.4
23	4.3	4.3	3.9	3.8	3.7	3.7	3.7	3.6	3.2	3.3	3.3	3.4	3.9	3.9	3.9	3.5	2.5	2.6	1.1	0.0	1.4	2.6	3.8	3.7
24	3.7	3.7	3.7	3.7	3.8	3.8	3.9	4.1	4.4	4.6	5.1	5.5	5.7	6.1	5.4	4.4	5.0	4.3	3.3	3.7	2.7	2.2	2.5	1.6
25	1.9	1.4	-0.4	-1.3	-2.2	-2.3	-3.3	-3.3	-2.0	-0.4	1.1	1.9	2.2	2.5	3.0	3.9	4.1	4.6	4.1	3.8	3.2	3.0	0.5	-0.2
26	-0.8	1.0	0.8	-0.8	-0.2	0.6	1.4	0.8	1.4	4.0	4.5	5.7	5.7	5.7	4.5	4.4	4.2	4.1	3.5	4.6	4.3	3.5	4.3	3.0
27	2.4	1.7	1.9	1.9	1.7	1.2	0.4	0.3	0.4	1.3	1.6	2.2	2.5	2.7	3.3	5.9	5.4	6.2	6.1	6.2	6.3	6.3	6.2	6.4
28	6.7	7.2	7.3	7.5	7.7	7.8	8.0	8.1	8.4	8.6	8.9	9.3	9.9	10.0	10.4	10.4	10.4	10.5	10.5	10.3	10.3	10.3	10.2	10.0
29	10.0	10.0	10.0	9.8	9.7	9.4	9.5	9.2	9.3	9.3	9.5	9.5	9.2	8.0	7.6	7.1	6.6	5.8	5.5	4.7	4.0	3.7	3.7	3.8
30	4.3	4.0	3.5	2.9	2.6	1.7	0.9	0.2	0.3	0.1	0.4	0.3	0.6	0.4	0.3	0.2	0.1	0.0	-0.3	-0.7	-0.7	-0.4	-0.4	-0.5
31	-0.4	-0.7	-1.2	-0.8	-0.8	-0.9	-0.7	-1.1	-0.5	-0.3	0.1	0.5	1.2	1.4	1.9	2.3	2.8	2.9	2.9	2.9	2.7	2.6	2.7	2.5

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				R	R																				
2																									
3	RW	R	R				RW								S	S									
4																									
5																									
6																									
7																									
8	RW			RW	RW																				
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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	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	Hour	Hour											
DATE	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	30	31	31	31	31	31	31			
	N 32	N 30	N 26	N 24	N 24	N 30	N 26	N 24	NNE 30	NNE 26	NNE 26	N 24	NNE 22	N 26	N 26	N 24	N 24	NNE 28	NNE 26	NNE 26	NNE 22	N 20	N 17	N 22	N 26	N	N	N	N	N	N	N	N	N	N	N	N		
	N 20	N 20	N 20	N 22	N 17	N 19	N 20	N 19	NNE 20	NNE 20	NNE 20	N 19	N 22	N 17	N 17	N 19	N 19	NNE 13	NNE 13	NNE 6	NNE 13	N 9	NNE 9	NNE 9	NNE 6	ENE 6	ENE 6	ENE 6	ENE 6	ENE 6	ENE 6	ENE 6	ENE 6	ENE 6	ENE 6	ENE 6	ENE 6		
	NE 9	C 0	ENE 7	E 6	ENE 6	ENE 6	E 7	E 9	ESE 17	SE 17	ESE 17	ESE 22	SE 20	ESE 26	SE 24	ESE 22	E 20	ESE 19	ESE 24	ESE 24	ESE 24	ESE 24	ESE 26	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	ESE 28	
	SE 20	SSE 20	SSE 17	SE 26	SSE 30	SSE 28	SSE 28	SSE 24	SE 28	SSE 32	SE 28	SSE 26	SE 28	SSE 26	SSE 22	S 17	SSW 17	SSW 11	SSW 9	SSW 9	SSW 11	SSW 13	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	
	W 19	W 20	W 19	W 22	W 20	W 20	W 19	W 20	WNW 19	WNW 17	W 9	C 0	C 0	W 4	W 7	WSW 6	S 9	S 13	SSE 19	SSE 19	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	SSE 22	
	ESE 15	ESE 19	SE 19	SSE 20	SSE 22	SSE 20	SSE 28	S 24	S 20	S 32	S 33	S 39	S 35	S 39	S 37	SSW 32	SSW 24	SSW 30	SSW 28	SSW 28	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32	SSW 32
	NW 24	NW 13	NW 15	NW 17	N 13	N 11	N 11	N 6	NNE 11	NNE 9	NNE 11	N 13	NNE 13	NNE 13	ENE 15	ENE 15	ENE 15	ENE 15	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17	ENE 17
	NNE 24	NNE 20	NNE 24	N 20	N 24	N 20	N 19	N 19	N 28	N 30	N 28	N 33	N 26	N 24	N 24	N 26	N 22	N 15	N 7	N 7	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6	N 6
	C 24	SW 6	SW 6	SW 9	SSW 13	SSW 9	SSW 6	SSE 6	SE 11	SSE 13	S 11	S 17	SW 7	WSW 9	WSW 15	WSW 17	WSW 13	WSW 19	WSW 17	WSW 17	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15	WSW 15
	WNW 9	SSW 13	SW 7	W 9	WSW 11	WSW 13	WSW 11	SSW 11	SSW 13	SSW 15	SSW 20	SSW 24	SSW 30	SSW 33	SSW 32	SSW 32	SSW 24	SSW 19	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15	SSW 15
	S 11	SSW 15	SW 7	C 0	ENE 7	SE 4	SE 7	E 6	SE 7	ENE 4	C 0	E 7	SE 6	ESE 6	ESE 9	SSE 7	SE 11	SE 9	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	ESE 11	
	SE 17	SSE 17	SSE 13	SE 11	S 19	S 20	S 22	S 19	S 19	S 19	S 24	S 28	S 26	S 19	S 24	S 26	S 30	S 28	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26	S 26
	S 30	S 30	S 24	S 28	S 28	S 22	S 24	S 20	S 19	S 19	S 17	S 17	S 17	S 17	S 17	S 15	S 9	S 11	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 9
	S 6	SE 4	ESE 4	E 4	ENE 0	ENE 6	ENE 7	ENE 7	ENE 7	ENE 7	ENE 13	ENE 20	ENE 26	ENE 24	ENE 22	ENE 15	ENE 9	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13	ENE 13
	NNE 35	NNE 43	NNE 32	NNE 37	NNE 39	NNE 37	NNE 35	NNE 35	NNE 26	NNE 33	NNE 30	NNE 24	NNE 24	NNE 24	NNE 22	NNE 15	NNE 9	NNE 13	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	NNE 7	
	SSW 11	SSW 17	SSW 17	SSW 20	SSW 20	SSW 20	SSW 28	SSW 28	SSW 32	SSW 32	SSW 35	SSW 33	SSW 28	SSW 28	SSW 28	SSW 26	SSW 24	SSW 22	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24	SSW 24

DATE	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pdir	N	NNE	ESE	SSE	WNW	S	NNE	NNW	NNW	SSW	SSW	SE	S	NNE	NNE	SSW
Avg V	25	16	17	21	15	26	14	20	12	17	8	22	17	20	23	23
dir 2						SSW										

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