

# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

MAY

19 94

AT/A

WINNIPEG INT'L AIRPORT

LAT: 049° 054' N		LONG: 097° 017' W		ELEVATION ALTITUDE: 240		METRES (ASL) MÉTRES (NMM)		STANDARD TIME USED HEURE NORMALE UTILISÉE: CENTRAL								
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS			REL HUMIDITY HUMIDITÉ REL.		PRECIPITATION PRÉCIPITATIONS			WIND VENT	SIGHT BARRAGE IRRADIATION EFFECTIVE HOURS HEURES			
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	COOLING DE RÉFRIGÉRATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE	THUNDERSTORM ORAGE	RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)			TOTAL PRECIP. TOTALE		
	°C	°C	°C	BASE 18°C	BASE 5°C	BASE 18°C	%	%	mm	mm	mm					
1	14.6	-4.9	4.9	13.1			74	22					4.2	N*	NNE 13	13.2
2	17.9	1.0	9.5	8.5	4.5		71	22					20.3	SSW	SSW 30	13.0
3	20.9	-0.2	10.4	7.6	5.4		93	40	1	6.8		6.8	25.6	S	SSW 37	7.3
4	7.8	-2.3	2.8	15.2			93	45					21.8	NW	NW 35	6.3
5	9.5	-1.9	3.8	14.2			86	46					17.5	NNE	N 28	12.4
6	14.5	-1.2	6.7	11.3	1.7		93	41					8.3	S	S 20	13.4
7	22.1	2.0	12.1	5.9	7.1		70	27					26.7	SSW	S 39	11.7
8	17.3	5.5	11.4	6.6	6.4		63	22		TR		TR	35.2	NW	NW 57	13.9
9	15.9	2.7	9.3	8.7	4.3		75	36		TR		TR	16.7	NE	NW 28	13.4
10	20.8	1.2	11.0	7.0	6.0		81	30		0.4		0.4	19.5	SSE	SSE 43	0.8
11	14.1	0.5	7.3	10.7	2.3		93	54		0.8		0.8	22.1	NW	NW 41	9.8
12	17.9	-2.1	7.9	10.1	2.9		93	34					11.9	SSE	SE 26	9.8
13	23.7	10.8	17.3	0.7	12.3		82	44		2.8		2.8	21.0	SE	SE 33	6.0
14	21.3	2.2	11.8	6.2	6.8		87	25					21.0	N	N 39	13.6
15	14.6	-1.6	6.5	11.5	1.5		93	33					14.8	N	NNE 24	10.3
16	14.3	6.3	10.3	7.7	5.3		70	44		0.4		0.4	27.5	SE	SE 41	3.3
17	26.1	10.3	18.2		13.2	0.2	49	36	1	TR		TR	38.0	SE	SSE 56	12.0
18	31.8	16.8	24.3		19.3	6.3	88	38	1	23.8		23.8	31.8	S	S 46	6.8
19	20.0	8.0	14.0	4.0	9.0		100	58	1	19.3		19.3	21.4	NNE	NNE 41	1.6
20	27.6	7.4	17.5	0.5	12.5		94	58		4.4		4.4	18.0	NNE	NW 33	9.3
21	17.1	7.5	12.3	5.7	7.3		94	63	1	3.4		3.4	14.8	NW	NW 32	5.4
22	22.1	8.8	15.5	2.5	10.5		93	50		0.8		0.8	12.8	NE*	E 28	6.6
23	21.4	9.1	15.3	2.7	10.3		100	53		0.4		0.4	4.8	N	N 13	8.5
24	21.1	8.2	14.7	3.3	9.7		93	56	1	5.4		5.4	10.5	NW	NNE 24	6.9
25	17.8	4.7	11.3	6.7	6.3		88	34					23.2	N	NNE 33	13.4
26	19.6	1.7	10.7	7.3	5.7		87	26					4.9	N	N 11	14.6
27	25.1	8.2	16.7	1.3	11.7		71	28					12.0	SSW	S 19	14.7
28	29.3	14.2	21.8		16.8	3.8	78	35		TR		TR	18.1	SSE	S 35	8.6
29	20.1	10.0	15.1	2.9	10.1		87	32					15.6	W	W 28	10.0
30	23.5	13.3	18.4		13.4	0.4	82	30	1	1.0		1.0	22.1	S	W 37	8.9
31	22.8	9.7	16.3	1.7	11.3		88	33		TR		TR	24.5	NW	NW 33	14.7
MEAN MOYENNE	19.8	5.0	12.4	TOTAL 183.6	TOTAL 233.6	TOTAL 10.7	84	39	TOT 7	TOTAL 69.7	TOTAL 0.0	TOTAL 69.7	18.9	PREVAILING DIRECTION DOMINANTE S	NORMAL MAXIMALE NNW 57	TOTAL 300.2
NORMAL NORMALE	18.6	4.5	11.6	212.0	214.0	13.0			3	57.8	2.0	59.8	19.0	S		276.8

DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS

DAYS WITH TOTAL PRECIPITATION / JOURS AVEC PRÉCIPITATIONS  
 DAYS WITH SNOWFALL / JOURS AVEC CHÔTE DE NEIGE

BELOW 10°C AU-DESSOUS DE 10°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 10°C AU-DESSUS DE 10°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	DAYS WITH TOTAL PRECIPITATION / JOURS AVEC PRÉCIPITATIONS					DAYS WITH SNOWFALL / JOURS AVEC CHÔTE DE NEIGE				
								02 OR MORE / OU PLUS	10 OR MORE / OU PLUS	20 OR MORE / OU PLUS	30 OR MORE / OU PLUS	40 OR MORE / OU PLUS	02 OR MORE / OU PLUS	10 OR MORE / OU PLUS	20 OR MORE / OU PLUS	30 OR MORE / OU PLUS	40 OR MORE / OU PLUS
TOTAL FOR MONTH TOTAL DU MOIS	183.6	217.6	212.0	TOTAL FOR MONTH TOTAL DU MOIS	233.6	193.1	214.0	13	8	7	2	0	0	0	0	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉ DEPUIS LE 1 <sup>er</sup> JUILLET	5959.2	5860.6	5805.1	ACCUMULATED SINCE APRIL 1 ACCUMULÉ DEPUIS LE 1 <sup>er</sup> AVRIL	276.1	222.6	268.1										

UDC 661.368.1

Note/Ank

1. Climatological Day/Jourée climatologique 00 01 C. S.T. - 23 00 C. S.T.

2. Normal/Normale 1951-1990

3. TR = Trace

4. M = Missing/Méconnu

5. No entry/Pas de valeur - No occurrence/Pas d'événement

6. \* Indicates first of more than one prevailing direction and/or maximum 2 minute mean speed (see page 4)/Indique la première de plusieurs des directions dominantes et/ou la vitesse moyenne maximale sur 2 minutes (voir page 4)

7. C = Calm/Calme

8. Price: single word \$10.0; annual (Jan. to Dec.) \$59.00; Price: number individual \$10.0; annual (Jan. to Dec.) \$59.00 (plus \$ 600.)



COMPARATIVE RECORDS AT RELIEFS COMPARATIFS A		WINNIPEG INT'L AIRPORT				MONTH MOIS MAY			RECORD FOR THE MONTH RECORD POUR LE MOIS				94		
Temperature/Température	- ° Celsius	THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	HIGHEST EVER MAXIMUM ABSOLU		LOWEST EVER MINIMUM ABSOLU		28 66 88				
Precipitation/Précipitation	- Millimetres/millimètres (mm)	VALUE RELEVÉ	DAY JOUR	VALUE RELEVÉ	DAY JOUR		VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ		DAY JOUR	YEAR ANNÉE		
Rainfall/Hauteur de pluie	- Millimetres/millimètres (mm)														
Snowfall/Hauteur de neige	- Centimetres/centimètres (cm)														
Wind speed/Vitesse du vent	- Kilometres/h / milles/heure (km/h)														
Station pressure/Pression à la station	- Kilopascals (kPa)														
HIGHEST TEMPERATURE (MAXIMUM) TEMPÉRATURE MAXIMALE		31.8	18	29.2	6			37.8	30	1934		122			
LOWEST TEMPERATURE (MINIMUM) TEMPÉRATURE MINIMALE		-4.9	1	-3.3	21					-11.7	3	1907	122		
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		12.4		11.2		11.6	17.8			4.4		1907	22		
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		69.7		34.8		57.8	177.7			0.8		1917	122		
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		0.0		0.0		2.0	32.5			0.0		1967	122		
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		69.7		34.8		59.8	177.7			0.8		1917	122		
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		13		8		10	17			1		1917	122		
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		23.8	18	14.4	8		67.6	11					122		
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		0.0	0	0.0	0		21.1	1					122		
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		23.8	18	14.4	8		71.7	11					122		
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:															
5 MINUTES		6.4	18	2.1	7		10.6	25					41		
10 MINUTES		8.8	18	3.6	7		17.6	25					41		
15 MINUTES		10.8	18	5.1	7		21.6	25					41		
30 MINUTES		15.2	18	8.6	7		25.1	20					41		
60 MINUTES		18.4	18	10.7	7		28.7	20					41		
24 CONSECUTIVE HOURS HEURES CONSÉCUTIVES		23.8	18	18.4	8		67.6	11					122		
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		18.9		16.9		19.0	26.1			14.6		1976	73		
MAXIMUM SPEED (2 min. mean) (km/h) VITESSE MAXIMALE (moyenne sur 2 min.) (km/h)		NW 57	8	NW 46	9		NW 80	10					55		
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		NW 78	8	SE 67	7		NW109	10					47		
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES D'INSOLATION		300.2		251.3		276.8	357.4					1917	126.6	1927	112
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.53		98.59		98.48	98.92			98.17		1961		1965	55
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		99.65	6	99.58	1		100.62	23							55
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		97.07	11	96.72	22					95.49	5	1950			55
CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST DONNÉES CLIMATOLOGIQUES CE MOIS-CI POUR LES												YEARS DERNIÈRE ANNÉES			
YEAR ANNÉE	MAXIMUM TEMP. MAXIMALE	MINIMUM TEMP. MINIMALE	MEAN TEMP. TEMP. MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECP. PRÉCIP. TOTALE	MEAN WIND SPEED VITESSE MOYENNE DES VENTS	MAXIMUM WIND SPEED VITESSE MAXIMALE DES VENTS	SUNSHINE HOURS HEURES D'INSOLATION	HEATERS DEGREES-DAYS DEGRÉS-JOURS DE CHAUFFE	CROPPING DEGREES-DAYS DEGRÉS-JOURS DE CROISSANCE	COOLING DEGREES-DAYS DEGRÉS-JOURS DE REFRIGÉRATION	RAINFAL APRIL 1		
1985	29.1	-1.3	13.1	64.0	0.0	64.0	15.0	C 41	280.2	153.5	252.2	0.0	71.4		
1986	34.0	-2.9	14.0	25.2	TR	25.2	14.7	ENE 52	313.8	154.5	284.0	0.0	111.5		
1987	34.1	-3.5	14.8	31.6	0.0	31.6	17.6	NNE 46	276.6	123.1	303.4	22.7	32.4		
1988	35.2	-4.2	14.6	29.9	0.0	29.9	19.4	S 59	288.5	146.5	299.4	41.8	30.3		
1989	30.5	-10.1	13.7	26.0	TR	26.0	16.4	NW 56	301.1	152.7	281.2	21.1	34.8		
1990	27.8	-6.0	10.3	28.9	0.6	29.7	15.6	NW 46	314.0	243.0	180.2	5.1	42.9		
1991	30.5	-3.1	14.5	63.7	4.8	68.7	17.7	SSE 43	240.3	141.3	314.3	34.5	110.7		
1992	34.2	-2.9	12.5	19.8	0.0	19.8	20.6	S 52	295.5	194.5	237.6	23.7	45.4		
1993	29.2	-3.3	11.2	34.8	0.0	34.8	16.9	NW 46	251.3	217.6	193.1	6.2	39.0		
1994	31.8	-4.9	12.4	69.7	0.0	69.7	18.9	NW 57	300.2	183.6	233.6	10.7	82.1		

Notes/Notes  
 1. Climatological Day/Jourée climatologique 001 C.A.T. - 230 C.A.T.  
 2. Normal/Normal 1981-1990  
 3. Extremes for period of record/Extrêmes pour la période de registre  
 4. Maximum rainfall recorded in: may overlap calendar days/Hauteur de pluie maximale enregistrée en: peut être pour plus d'une journée de calendrier  
 5. \*\* indicates most recent occurrence/indique le plus récent  
 6. \* indicates first of more than one occurrence/indique le premier de plusieurs

DRY BULB TEMPERATURE SUMMARY  
 SOMMAIRE DES TEMPERATURES DU THERMOMETRE SEC

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HOUR->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
D	-2	-11	-14	-32	-39	-32	-34	5	48	87	102	114	120	124	131	138	138	144	140	132	67	68	66	63	63
A	66	40	34	25	14	15	22	61	105	129	156	165	166	174	175	178	173	166	160	148	138	128	118	106	111
T	97	84	69	62	65	61	62	90	115	140	169	189	192	206	139	162	160	143	107	59	23	14	2	106	
E	-2	-6	-8	-10	-11	-12	-14	-16	-14	-5	-1	6	15	37	65	73	73	71	60	44	15	-6	2	-18	
	-5	-3	1	1	-2	-14	-17	-5	0	9	36	44	57	71	82	88	90	88	88	80	48	44	40	36	
	45	46	27	11	-2	-11	7	40	60	77	84	94	107	117	124	135	136	139	140	131	108	93	84	80	
	65	61	55	44	30	24	30	51	90	128	159	175	193	197	195	211	218	219	217	203	191	178	167	136	
	159	154	152	102	92	80	81	101	120	127	131	142	155	161	166	162	167	162	154	139	112	79	79	127	
	61	56	65	53	43	39	49	77	107	124	145	150	150	125	141	148	149	134	123	109	84	68	47	94	
	51	33	27	23	24	29	55	72	89	100	102	116	141	156	176	191	198	193	191	207	178	109	84	109	
	61	43	49	44	29	31	43	66	105	133	113	107	113	115	119	128	122	124	128	106	78	52	40	81	
	10	-5	-7	-7	-14	-18	-4	30	66	86	103	118	137	153	160	171	176	170	172	166	160	157	153	5	
	13	137	142	117	115	109	112	115	124	146	173	187	202	213	220	230	205	194	176	171	164	156	139	128	
	12	113	91	95	96	80	75	121	170	157	188	195	199	207	190	177	170	159	135	113	88	57	40	125	
	14	113	91	95	96	80	75	121	170	157	188	195	199	207	190	177	170	159	135	113	88	57	40	125	
	15	23	15	11	5	-12	13	42	44	52	59	78	86	98	120	128	136	142	146	134	109	80	80	94	
	16	87	81	80	73	64	70	89	106	117	128	135	136	137	125	119	121	132	131	131	128	125	124	125	
	17	126	125	122	117	109	108	128	148	173	194	218	234	247	260	254	255	246	238	231	219	207	197	190	
	18	194	184	183	184	182	179	179	186	209	237	257	270	282	301	312	310	312	312	310	291	278	264	203	
	19	200	175	170	154	141	128	131	132	133	135	133	109	98	91	91	96	98	97	95	91	89	86	84	
	20	80	80	79	79	77	82	103	125	141	171	202	216	241	257	268	274	233	222	189	162	149	142	138	
	21	130	110	100	95	87	86	80	81	91	96	107	122	136	155	166	164	166	159	152	138	129	116	105	
	22	91	103	96	89	91	97	102	118	135	153	179	193	203	212	217	214	191	168	171	153	144	128	145	
	23	136	135	130	135	141	141	147	167	184	192	206	201	206	206	203	203	207	211	202	170	151	138	120	
	24	103	106	96	113	89	83	107	129	153	188	192	204	188	183	181	193	182	161	153	127	119	121	115	
	25	120	116	114	111	111	112	125	135	144	149	155	160	166	176	176	175	172	166	155	134	118	103	60	
	26	52	51	38	30	19	24	43	86	119	140	160	166	177	180	187	189	195	193	184	168	150	130	133	
	27	120	112	106	100	89	83	91	120	147	172	198	209	219	227	236	245	248	248	243	222	199	182	176	
	28	173	164	160	153	146	150	151	175	186	216	237	266	275	283	287	281	240	230	222	219	215	205	209	
	29	168	136	118	111	104	101	110	135	150	152	157	170	174	181	179	186	200	201	188	185	165	158	157	
	30	147	152	150	148	163	164	147	150	160	167	195	212	225	235	231	211	211	205	199	196	141	140	178	
	31	133	134	136	130	121	113	113	135	163	175	193	198	208	210	219	225	201	219	214	185	162	146	130	
MEAN	95	87	82	76	69	65	71	92	113	130	145	158	165	173	177	182	180	177	168	158	138	121	111	104	
MOYENNE	95	87	82	76	69	65	71	92	113	130	145	158	165	173	177	182	180	177	168	158	138	121	111	104	

\*TEMPERATURES IN TENTHS OF DEGREES CELSIUS  
 \*TEMPERATURES EN DIXIEME DEGRES CELSIUS

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DEW POINT SUMMARY  
SUMMAIRE DES TEMPERATURES DE ROSEE

HEUR->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
D	-70	-74	-81	-88	-85	-81	-74	-48	-28	-32	-53	-61	-63	-64	-62	-57	-64	-69	-74	-83	-63	-61	-64	-61	-65
A	-62	-87	-90	-77	-69	-59	-46	-33	-21	-18	-20	-28	-32	-26	-36	-26	-30	-16	-12	-3	10	38	47	51	-27
T	49	47	40	38	41	40	47	74	85	91	87	77	66	70	72	72	69	79	73	70	42	7	1	-10	55
E	-17	-21	-23	-28	-26	-27	-32	-38	-40	-34	-28	-23	-20	-17	-13	-19	-28	-41	-39	-29	-35	-53	-27	-44	-29
	-35	-25	-36	-33	-42	-45	-41	-36	-37	-31	-22	-21	-17	-15	-14	-10	-11	-9	-9	-8	-12	-11	-10	-5	-23
	-2	-7	-11	-17	-24	-24	-9	-9	-9	-5	-4	0	9	14	15	14	11	17	15	15	12	11	6	-8	0
	-28	-26	-20	-26	-26	-25	-16	-4	16	29	38	42	22	25	21	19	23	19	16	23	26	31	37	41	11
	49	66	75	20	16	10	13	21	9	11	5	1	-29	-32	-33	-42	-46	-8	-53	-45	-43	-49	-38	-8	
	-25	-22	-9	-5	-3	0	4	12	10	18	17	20	23	10	4	8	4	-11	-10	-10	-14	-15	-28	-34	-3
	-20	-19	-23	-22	-19	-17	-10	-7	-7	0	18	19	13	7	1	19	40	57	67	60	40	28	19	30	11
	28	17	27	23	13	15	29	51	74	70	49	44	41	42	47	53	49	39	38	28	14	15	14	-6	34
	-1	-21	-22	-26	-25	-30	-14	3	4	8	17	19	16	20	16	17	17	13	24	15	18	13	11	19	5
	27	46	66	72	70	71	76	79	84	93	90	92	97	99	105	103	94	92	86	87	87	84	79	75	81
	72	60	64	64	59	46	44	58	42	54	43	8	14	-1	-6	38	47	41	33	25	17	9	-1	-1	33
	-5	-9	-10	-11	-26	-23	-3	5	0	4	3	14	11	14	21	15	3	-5	-5	17	10	3	-1	-6	1
	1	5	7	10	12	18	23	28	39	29	41	35	34	34	47	44	35	23	19	21	16	14	15	15	24
	9	8	1	-21	-31	-22	-12	0	10	34	45	65	76	90	95	99	97	91	89	92	92	91	87	82	49
	83	80	80	81	81	82	96	96	102	109	130	141	146	149	158	153	154	158	189	198	187	178	169	168	132
	178	137	130	112	84	75	73	70	68	64	64	61	68	71	79	88	95	93	90	83	65	56	46	47	85
	45	48	55	58	59	63	72	83	100	108	132	154	162	163	171	179	182	162	156	132	124	114	114	125	115
	122	103	94	88	82	81	72	72	68	79	76	83	85	90	101	105	93	97	93	93	92	87	77	79	88
	71	92	82	76	75	72	72	72	73	77	91	114	130	127	117	109	116	123	116	125	111	113	104	113	99
	119	127	121	128	129	88	105	125	134	141	144	140	132	134	136	134	129	129	110	119	120	107	101	92	123
	85	91	83	94	79	73	90	92	104	111	103	107	112	109	105	96	99	100	99	94	101	100	102	100	97
	24	85	91	83	79	71	68	69	63	37	28	18	28	33	25	27	22	26	26	7	7	10	14	11	43
	101	99	82	79	75	71	68	69	63	37	28	18	28	33	25	27	22	26	26	7	7	10	14	11	43
	99	106	108	99	98	90	85	93	89	85	85	84	84	75	70	77	79	46	43	78	70	71	77	73	82
MEAN	35	34	33	30	27	25	33	43	46	50	51	51	51	50	49	51	51	49	47	48	45	43	43	39	43
MOYENNE																									

\*TEMPERATURES IN TENTHS OF DEGREES CELSIUS  
\*TEMPERATURES EN DIXIEME DEGRES CELSIUS

HOUR ->	PEAK WIND																								DIR.	SPEED	TIME
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
D 1	NE	N	C	NNW	NNW	NNW	N	C	C	N	NNE	C	N	SSE	E	C	WSW	NNW	C	N	C	SE	SSE	SW	46	14:00	
A 4	4	0	0	6	4	4	6	4	0	0	2	13	0	6	6	0	7	9	0	11	0	6	7				
Y 2	S	SSW	SSW	SU	SSW	SU	SSW	WSW	WSW	U	SU	SU	SSW	SSW	SU	SSW	SSW	SSW	SSW	S	S	S	S	SSW	46	14:00	
O 13	7	15	13	13	19	19	17	20	13	17	19	26	17	30	24	24	28	30	28	20	24	28	20				
F 3	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SU	SSW	U	NW	NW	NNE	NNE	NNW	NNW	NW	W	48	16:00	
M 26	24	24	20	20	17	13	20	22	26	30	30	32	26	37	9	19	32	30	26	30	30	32	30				
H 4	NNW	NNW	NNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NNW	NNW	NNW	NW	NW	NW	NNW	NE	NE	NNE	C	NNE	NW	35	17:00	
N 32	28	19	24	26	22	20	24	26	28	24	24	28	20	32	30	24	35	24	9	4	13	0	6				
T 5	N	NW	NNW	NNW	N	NNE	N	NNE	NNE	N	N	NNE	NNE	NNE	NNE	NE	ENE	NE	ENE	NE	NE	NE	ENE				
H 11	11	22	26	28	20	17	22	20	20	19	15	22	24	19	22	24	15	15	7	13	11	11	7				
7	SSW	SW	SW	SSW	SSW	SSW	S	SSW	S	S	S	SSW	SSW	SU	SSW	SSW	SSW	SSW	SSW	SU	SSW	SSW	S	SSW	56	22:00	
24	24	22	17	19	15	19	20	24	24	26	26	28	30	26	32	28	33	33	24	32	39	39	37				
8	SSW	SSW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	U	NW	78	13:00	
28	20	37	22	13	17	19	26	48	44	50	52	50	56	50	50	50	57	50	33	24	17	15	17				
9	NW	U	NW	U	NNW	U	NNW	NNW	NW	NNW	NNW	NE	N	NNE	NE	NE	NE	NE	NE	NE	ENE	C	C	NW	56	12:00	
13	15	19	19	19	9	15	13	19	13	28	24	20	24	20	24	28	24	19	20	9	6	0	0				
10	S	SSE	S	S	S	SSE	S	S	S	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	N	S	57	14:00	
7	7	7	4	6	7	15	20	20	20	15	20	22	26	32	41	43	30	17	11	24	22	30	22				
11	NNW	NNW	NNW	NNW	U	NNW	U	NNW	U	NNW	N	NNW	NNW	NNW	NNW	N	N	N	N	N	NNE	NE	NNE	NNW	56	12:00	
15	13	13	13	13	11	13	6	17	24	30	41	35	41	37	35	28	19	22	30	19	15	11	6				
12	NNW	NW	NW	C	C	U	C	C	C	C	SU	S	SSE	SSE	SE	SE	SSE	SSE	SE	SE	SE	SSE	SSE				
4	9	7	0	0	7	0	0	0	0	9	11	15	9	17	17	13	19	20	15	19	20	26	24				
13	SE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	S	SSE	S	SSE	C	NNE	NNE	N	N	N	N	N	SE	48	06:00	
17	22	30	26	32	30	33	30	30	26	20	24	26	15	6	9	0	24	22	22	20	15	13	15				
14	N	NNW	NW	NW	NW	NNW	NNW	N	N	NNE	N	N	N	N	NNW	NNE	N	NNE	NNE	NE	NNE	NNE	N	N	56	13:00	
13	9	13	13	13	13	9	9	11	26	22	26	30	22	39	32	28	32	28	26	24	28	15	13				
15	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NE	NE	N	ENE	NE	N	NE	NNE	NNE	NE	NE	ENE	E				
13	13	13	13	9	11	9	19	17	22	24	17	20	19	13	20	13	17	11	13	15	11	11	11				
16	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SE	SE	SE	SE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	SE	SE	56	16:00	
7	22	20	19	17	24	17	24	17	24	28	33	30	30	33	24	37	41	39	37	32	26	30	28				

\* Peak wind estimated.  
\* Peak wind time is  
hour of occurrence.

HOUR ->	DIR.																								PEAK WIND SPEED	WIND DIRECTION	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
17	SE	SE	ESE	SE	ESE	ESE	ESE	SE	SE	SE	SE	ESE	SE	SSE	SSE	SE	SE	SE	SSE	SSE	SE	SE	SE	SE	74	SSE	15:00
18	SE	SE	SSE	SSE	SSE	S	S	SSE	SSE	S	S	S	S	S	SSE	S	SSW	SSW	S	S	SSE	S	SSW	69	SSW	18:00	
19	SSW	NW	N	N	NNE	NNE	N	NNE	NNE	NNE	NNE	N	C	NW	N	NW	NNE	NNE	NNE	NNE	NNE	NNE	NNE	50	NNE	09:00	
20	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NE	ENE	E	ESE	SE	SSE	S	SSW	N	NNE	N	NW	NNE	NNE	SW	33	NW	20:00	
21	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	35	NW	09:00	
22	NNE	ENE	NE	NE	ENE	ENE	NE	ENE	E	E	E	E	SSE	SSE	SE	SE	C	NE	E	NNE	N	ENE	NE	6	NNE	13:00	
23	SE	N	SE	ESE	N	NNE	C	C	C	NW	C	C	C	C	C	NE	N	NNE	N	NNE	N	N	NW	4	NW	09:00	
24	NNE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	13	NW	09:00	
25	NW	N	N	N	N	N	N	NNE	N	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N	11	N	12:00	
26	N	N	NNE	N	N	N	C	C	C	N	NE	C	N	SE	C	ESE	ESE	NNE	ESE	S	SSE	SSE	S	7	S	09:00	
27	S	S	SSW	SSW	SSW	SSW	S	SSW	SSW	S	SSW	SSW	SSW	SSE	SSW	S	SSW	S	S	S	SSE	SE	SSE	19	SSE	11:00	
28	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	SSW	SSW	NW	NW	NW	NW	NW	NW	19	NW	16:00	
29	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9	N	09:00	
30	SSE	S	S	S	WSW	SSW	S	SW	S	S	S	S	S	WSW	WSW	NW	NW	NW	NW	NW	NW	NW	NW	13	NW	17:00	
31	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	7	NW	09:00	

\* Peak wind estimated.  
\* Peak wind time is  
hour of occurrence.

Hour ->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D 1	61	63	61	66	71	69	74	68	58	43	34	29	28	27	26	26	25	25	22	22	39	40	39	41	44
A 2	40	39	40	47	54	58	61	51	42	36	30	27	26	25	24	23	23	29	31	36	42	42	42	41	44
T 3	72	78	82	85	83	87	91	90	82	73	59	49	44	42	44	56	55	66	65	69	70	90	81	83	74
E 4	90	90	90	88	90	90	88	85	83	81	82	81	78	68	58	52	49	45	49	59	79	70	71	81	75
5	81	86	77	78	75	80	84	80	77	75	66	63	59	55	51	51	50	47	51	54	66	68	70	75	67
6	72	69	76	82	86	91	90	71	62	57	54	52	51	50	48	44	43	44	43	46	47	52	55	53	60
7	52	54	59	61	61	67	71	68	60	51	45	42	32	32	32	28	28	27	27	31	34	38	42	45	46
8	48	48	56	60	61	62	63	58	47	43	43	38	29	27	26	25	23	24	24	28	34	40	45	47	42
9	54	58	60	67	67	72	76	64	52	46	42	40	49	46	40	39	36	38	40	44	51	56	59	61	53
10	61	69	70	73	74	72	72	58	51	50	56	52	42	37	31	32	36	41	45	39	40	58	64	78	54
11	80	84	86	87	90	90	91	91	82	66	65	66	62	61	62	61	61	57	55	59	64	77	84	93	74
12	93	89	90	87	95	92	95	85	65	58	56	51	44	41	38	36	35	35	37	37	39	38	39	43	59
13	48	53	71	75	77	76	79	79	77	71	54	54	51	49	49	45	49	52	56	58	61	63	68	71	62
14	76	81	81	81	80	86	81	66	43	51	39	29	30	25	27	40	45	46	51	55	61	61	80	81	59
15	82	85	86	89	91	94	90	77	74	72	68	64	60	56	51	47	41	38	36	45	51	59	57	50	65
16	55	59	60	65	70	71	72	66	64	55	56	51	51	50	59	61	56	48	47	48	47	47	48	47	56
17	45	45	44	39	38	42	44	42	40	40	38	38	37	37	36	38	37	38	40	42	45	45	49	50	41
18	49	51	51	52	52	54	60	59	59	53	52	49	47	45	43	39	100	97	87	87	84	84	76	81	58
19	88	79	77	69	69	71	70	67	66	63	63	62	76	84	93	98	100	97	96	93	70	79	84	78	80
20	79	81	85	87	89	88	88	88	85	81	78	74	72	62	60	59	58	65	67	70	79	80	84	93	77
21	95	96	97	96	97	97	97	95	92	88	86	86	79	74	71	68	63	64	65	68	74	76	77	84	83
22	88	93	91	92	92	94	86	82	74	68	67	66	67	62	55	51	54	65	72	75	75	82	86	85	76
23	90	95	95	96	96	96	96	87	81	77	74	66	65	66	65	64	63	61	53	59	65	73	79	83	77
24	89	91	92	89	94	94	90	79	73	61	57	54	62	62	62	54	56	59	67	68	85	89	91	75	
25	89	90	81	81	81	76	75	69	62	49	45	40	42	41	37	36	36	38	39	57	48	48	54	71	57
26	73	69	75	75	81	82	82	79	57	50	40	38	36	34	31	29	28	27	25	28	32	37	54	41	50
27	49	57	59	59	63	67	68	64	56	52	40	37	37	33	32	30	29	30	29	30	36	42	48	46	46
28	48	53	54	60	64	62	64	59	57	51	50	43	40	37	35	38	53	60	63	65	67	71	78	56	55
29	57	68	76	80	84	86	84	74	67	68	65	57	54	47	44	45	47	41	41	48	37	44	48	48	58
30	53	52	56	60	60	62	74	75	73	70	61	52	44	38	32	31	39	40	36	42	47	71	72	72	55
31	80	84	84	82	86	86	83	76	62	56	50	48	45	42	39	39	46	33	33	50	55	71	69	61	61
Mean	69	72	73	75	77	78	78	73	65	60	56	52	50	47	46	45	45	46	46	48	51	57	62	67	61
Moynne																									

Note/avis: 1. Climatological Day/Journee Climatologique 0001 C.S.T. - 0000 C.S.T.  
 2. Hours are C.S.T./Les heures sont a l'heure normale de la localite  
 3. Unit/Unite = percent/pour cent

1. Mainly sunny. Maximum temperature near normal, minimum below normal. Winds light.
2. Clear becoming mainly cloudy early evening. Maximum temperature slightly above normal, minimum near normal. Winds light to moderate.
3. Mainly cloudy with afternoon thundershowers and hail. Maximum temperature above normal, minimum near normal. Winds light to moderate gusting strong.
4. Mainly cloudy. Maximum temperature well below normal, minimum slightly below normal. Winds moderate decreasing to light early evening.
5. Overcast becoming mainly sunny early afternoon. Maximum temperature below normal, minimum slightly below normal. Winds light to moderate.
6. Mainly sunny. Maximum temperature near normal, minimum slightly below normal. Winds light.
7. Mainly sunny becoming mainly cloudy early afternoon. Maximum temperature above normal, minimum near normal. Winds moderate gusting strong.
8. Variable cloudiness with overnight showers. Maximum temperature near normal, minimum slightly above normal. Winds moderate increasing to strong gusting gale early afternoon, then decreasing to light late evening.
9. Variable cloudiness with early afternoon showers. Temperatures near normal. Winds light except moderate gusting strong during showers.
10. Mainly cloudy with afternoon showers. Temperatures above normal. Winds light except moderate gusting strong during showers.
11. Variable cloudiness with early morning showers. Temperatures slightly below normal. Winds light increasing to moderate gusting strong early afternoon, then decreasing to light mid-evening.
12. Clear becoming overcast late afternoon. Maximum temperature near normal, minimum below normal. Winds light.
13. Mainly cloudy with showers overnight. Maximum temperature above normal, minimum well above normal. Winds light to moderate.
14. Mainly sunny. Maximum temperature slightly above normal, minimum near normal. Winds light increasing to moderate gusting strong early afternoon, then decreasing to light late evening.
15. Variable cloudiness. Maximum temperature slightly below normal, minimum below normal. Winds light.
16. Variable cloudiness with afternoon showers. Maximum temperature slightly above normal, minimum slightly below normal. Winds moderate gusting strong.
17. Variable cloudiness with afternoon showers. Maximum temperature well above normal, minimum above normal. Winds moderate to strong gusting gale.
18. Overcast with thundershowers. Temperatures well above normal. Winds moderate to strong gusting gale.
19. Overcast with afternoon showers and thundershowers. Maximum temperature near normal, minimum slightly above normal. Winds light to moderate.
20. Variable cloudiness with evening showers. Maximum temperature well above normal, minimum near normal. Winds light.
21. Mainly cloudy with early morning thundershowers. Maximum temperature slightly below normal, minimum near normal. Winds light except during thundershowers.
22. Variable cloudiness with showers beginning late afternoon. Temperatures slightly above normal. Winds light.
23. Variable cloudiness with showers ending overnight. Maximum temperature near normal, minimum slightly above normal. Winds light.
24. Mainly cloudy with afternoon showers and thundershowers. Temperatures near normal. Winds light.
25. Mainly sunny. Temperatures slightly below normal. Winds light increasing to moderate early morning then decreasing to light early evening.
26. Clear. Maximum temperature near normal, minimum below normal. Winds light.
27. Variable cloudiness. Maximum temperature above normal, minimum near normal. Winds light.
28. Mainly cloudy. Temperatures well above normal. Winds light to moderate.
29. Variable cloudiness. Maximum temperature near normal, minimum slightly above normal. Winds light.
30. Variable cloudiness with afternoon showers and thundershowers. Maximum temperature slightly above normal, minimum above normal. Winds moderate.
31. Mainly sunny. Temperatures near normal. Winds moderate decreasing to light early afternoon.



## MONTHLY CLIMATE DATA

WINNIPEG, MANITOBA

Month: MAY Year: 1994

	CURRENT		NORMAL	
	VALUE	DATE	VALUE	DATE
Mean Maximum	19.8		18.6	
Mean Minimum	5.0		4.5	
Mean	12.4		11.6	
Extreme Maximum and Date	31.8	18	37.8	30 /1934
Extreme Minimum and Date	-4.9	1	-11.7	3 /1907
Rainfall (mm)	69.7		57.8	
Snowfall (cm)	0.0		2.0	
Total Precipitation (mm)	69.7		59.8	
Days With Thunder	7		3	
Days With Measurable Precipitation	13		10	
Sunshine Hours	300.2		276.8	
Wind (km/h)	18.8		19	
Heating Degree Days Below 18 C	183.6		212.0	
Growing Degree Days Above 5 C	233.6		214.0	
Heating Degree Days Below 0 C	0.0		0.8	
Cooling Degree Days Above 18 C	10.7		13.0	

**Highlights of the Month**

The combination of a southerly flow of moist unstable air and a low pressure trough produced strong thunderstorms over southern Manitoba during May 18, 1994.

The strongest thunderstorm developed just southwest of Winnipeg late in the afternoon and moved northeastward across downtown Winnipeg and then across the St. Andrew's Airport (north of Winnipeg) early in the evening. This storm brought near 90 mm of rain to the areas just southwest of Winnipeg, more than 60 mm of rain and strong winds to the downtown area and very strong winds measured near 90 knots at the St. Andrew's Airport. 17 planes were damaged or destroyed as well as other damage to various structures on the grounds of St. Andrew's Airport. Most of destruction occurred at the airport with much lesser damage over the surrounding areas judging from our visual storm damage investigation. Most of the debris from damaged structures occurred or fell in a straight slightly diverging path indicating a downburst event.

There was no reliable source describing a tornado or funnel cloud.

For rainfall amounts within the city, see the attached map provided by the City of Winnipeg, Water Works and Waste department.

Besides the heavy rainfall that fell on the 18th and 19th, May was close to average in most respects. Although, the mean temperature, total rainfall and sunshine hours were all slightly above normal.