

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS AUGUST
 AT/A WINNIPEG INT'L AIRPORT

LAT		049° 054' N		LONG		097° 017' W		ELEVATION ALTITUDE		240		METRES (ASL) MÉTRES (NM)		STANDARD TIME USED HEURE NORMALE UTILISÉE					CENTRAL		
DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRÉS-JOURS			REL HUMIDITY HUMIDITÉ REL		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE				
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	COOLING DE RÉFRIGÉRATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DOMINANTE	MAX 2 MIN MEAN SPEED & DIRECTION VITESSE MOYENNE MAX. SUR 2 MIN & DIRECTION		HOURS HEURES			
	°C	°C	°C	BASE 18 0°C	BASE 5 0°C	BASE 18 0°C	%	%	mm	cm	mm	cm	km/h		km/h						
1	28.7	12.9	20.8		15.8	2.8	100	51					6.1	S	SSW 13	11.8					
2	30.6	17.3	24.0		19.0	6.0	94	55			2.0		12.0	S	W 20	6.1					
3	22.7	10.1	16.4	1.6	11.4		100	52	1		3.2		18.2	N	NNE 37	9.3					
4	20.4	5.9	13.2	4.8	8.2		87	43					14.6	NNW	N 26	13.9					
5	25.3	9.1	17.2	0.8	12.2		87	34					16.0	SSW*	SW 24	9.8					
6	27.5	13.5	20.5		15.5	2.5	94	51	1				14.8	S	NNE 20	7.2					
7	17.4	10.4	13.9	4.1	8.9		100	55	1		7.8		26.7	NNE	NNE 37	0.9					
8	18.1	6.1	12.1	5.9	7.1		100	45			28.0		6.8	NE*	NNE 15	5.0					
9	20.0	5.6	12.8	5.2	7.8		93	52					9.6	SE	SSE 20	12.0					
10	21.9	8.0	15.0	3.0	10.0		100	50			0.2		6.8	N	NNE 13	9.5					
11	26.3	8.3	17.3	0.7	12.3		100	53	1				12.7	S	S 24	9.2					
12	26.8	9.6	18.2		13.2	0.2	100	47	1		33.1		18.0	WSW	W 32	12.5					
13	18.0	7.2	12.6	5.4	7.6		93	45			6.4		23.6	NW	NW 43	8.5					
14	21.9	7.9	14.9	3.1	9.9		94	40					15.2	WNW	NNW 24	13.6					
15	29.4	9.8	19.6		14.6	1.6	87	32					13.2	SSW	S 20	13.3					
16	25.5	13.9	19.7		14.7	1.7	83	61					18.9	NNE	NE 28	6.8					
17	23.1	10.4	16.8	1.2	11.8		94	53			TR		12.7	NE	NNE 19	10.4					
18	23.7	9.7	16.7	1.3	11.7		100	69	1		3.0		11.0	ENE*	E 39	3.6					
19	23.1	9.8	16.5	1.5	11.5		100	53					15.6	N	N 24	11.5					
20	25.0	6.7	15.9	2.1	10.9		100	47					8.8	WNW	WNW 17	12.7					
21	27.6	11.2	19.4		14.4	1.4	94	42					10.5	S	S 22	12.5					
22	27.8	14.8	21.3		16.3	3.3	88	51					22.6	SSE	SSE 33	9.1					
23	26.9	14.9	20.9		15.9	2.9	100	70	1		17.8		14.2	S	SSE 26	2.9					
24	29.0	11.1	20.1		15.1	2.1	100	45			0.4		10.0	W*	NW 24	12.4					
25	26.1	12.5	19.3		14.3	1.3	94	34	1		4.0		8.5	N	NNE 15	9.6					
26	22.6	8.0	15.3	2.7	10.3		94	50			5.9		8.3	NE	NE 13	6.3					
27	15.4	9.5	12.5	5.5	7.5		94	82	1		8.3		17.4	N*	N 37	0.6					
28	18.6	8.3	13.5	4.5	8.5		100	45			0.2		16.5	NW	NNW 37	12.1					
29	17.1	8.8	13.0	5.0	8.0		100	63			2.5		10.0	N	NE 17	0.2					
30	18.2	7.1	12.7	5.3	7.7		100	52					17.8	N	N 26	9.7					
31	17.4	4.4	10.9	7.1	5.9		100	42			0.2		9.3	N	NW 24	8.6					
MEAN MOYENNE	23.3	9.8	16.6	TOTAL 70.8	TOTAL 358.0	TOTAL 25.8	96	50	TOT 10	TOTAL 123.0	TOTAL 0.0	TOTAL 123.0	13.7	PREVAILING S DOMINANTE	MAXIMALE NW 43	TOTAL 271.6					
NORMAL NORMALE	24.9	11.7	18.3	45.7	413.6	56.4			6	75.3	0.0	75.3	15.0	S		285.9					
DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS												DAYS WITH TOTAL PRECIPITATION JOURS AVEC PRÉCIPITATIONS TOTALES					DAYS WITH SNOWFALL JOURS AVEC CHÛTE DE NEIGE				
BELOW 18°C AU-DESSOUS DE 18°C		THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 5°C AU-DESSUS DE 5°C		THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	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	50 OR MORE - OU PLUS	60 OR MORE - OU PLUS	70 OR MORE - OU PLUS	80 OR MORE - OU PLUS	90 OR MORE - OU PLUS		
TOTAL FOR MONTH TOTAL DU MOIS		70.8	40.9	45.7	TOTAL FOR MONTH TOTAL DU MOIS		358.0	398.2	413.6	16	12	12	3	0	0	0	0	0	0		
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET		99.6	78.8	64.2	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL		1430.1	1328.6	1497.1												

UDC 551.506.1 ()

Note/Aviz

1. Climatological Day/Journée climatologique 00_01 C. S.T. - 23_00 C. S.T.

2. Normal/Normale 1961-1990

3. TR = Trace

4. M = Missing/Manquant

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 issue \$10.0; annual (Jan. to Dec.) \$59.00 /Prix: numéro individuel \$10.0; annuel (janv. à déc.) \$59.00



COMPARATIVE RECORDS AT / RELEVÉS COMPARATIFS A WINNIPEG INT'L AIRPORT MONTH MOIS AUGUST 94

Temperature / Température Precipitation / Précipitation Rainfall / Hauteur de pluie Snowfall / Hauteur de neige Wind speed / Vitesse du vent Station pressure / Pression à la station	THIS MONTH / CE MOIS-CI		PREVIOUS YEAR / ANNEE PRÉCÉDENTE		NORMAL / NORMALE	RECORD FOR THE MONTH / RECORD POUR LE MOIS						NO. OF DAYS / NOMBRE DE JOURS
	VALUE / RELEVÉ	DAY / JOUR	VALUE / RELEVÉ	DAY / JOUR		HIGHEST EVER / MAXIMUM ABSOLU			LOWEST EVER / MINIMUM ABSOLU			
						VALUE / RELEVÉ	DAY / JOUR	YEAR / ANNÉE	VALUE / RELEVÉ	DAY / JOUR	YEAR / ANNÉE	
HIGHEST TEMPERATURE (MAXIMUM) / TEMPÉRATURE MAXIMALE	30.6	2	30.7	10		40.6	7	1949				122
LOWEST TEMPERATURE (MINIMUM) / TEMPÉRATURE MINIMALE	4.4	31	5.6	31					-1.1	0	1910	122
MEAN MONTHLY TEMPERATURE / TEMPÉRATURE MENSUELLE MOYENNE	16.6		17.9		18.3	22.5		1983	14.4		1977	122
TOTAL MONTHLY RAINFALL / HAUTEUR TOTALE MENSUELLE DE PLUIE	123.0		190.8		75.3	218.0		1985	3.3		1915	122
TOTAL MONTHLY SNOWFALL / HAUTEUR TOTALE MENSUELLE DE NEIGE	0.0		0.0		0.0	0.0		SVRL	0.0		SVRL	122
TOTAL MONTHLY PRECIPITATION / PRÉCIPITATION TOTALE MENSUELLE	123.0		190.8		75.3	218.0		1985	3.3		1915	122
NO OF DAYS WITH MEASURABLE PRECIPITATION / NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE	16		19		11	20		1977	1		1915	122
GREATEST RAINFALL IN ONE DAY / HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	33.1	11	72.2	8		84.6	12	1884				122
GREATEST SNOWFALL IN ONE DAY / HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	0.0	0	0.0	0		0.0	0	SVRL				122
GREATEST PRECIPITATION IN ONE DAY / PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	33.1	11	72.2	8		84.6	12	1884				122
MAXIMUM RAINFALL RECORDED IN: / HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:												
5 MINUTES	6.7	6	6.2	8		10.9	5	1981				41
10 MINUTES	8.9	11	12.4	8		19.1	1	1979				41
15 MINUTES	9.8	11	18.5	8		25.4	1	1979				41
30 MINUTES	14.5	11	28.9	8		36.3	15	1972				41
60 MINUTES	16.9	11	41.4	8		39.3	1	1979				41
24 CONSECUTIVE HOURS / HEURES CONSÉCUTIVES	33.1	11	72.2	8		98.1	6	1985				122
MEAN WIND SPEED (km/h) / VITESSE MOYENNE DU VENT (km/h)	13.7		14.3		15.0	22.0		1964	12.6		1972	73
MAXIMUM SPEED (2 min. mean) (km/h) / VITESSE MAXIMALE (moyenne sur 2 min.) (km/h)	NW 43	13	SE 56	17		N 77	30	1944				55
MAXIMUM GUST SPEED (km/h) / POINTE DU VENT MAXIMALE (km/h)	SSW 72	6	SSE 93	17		NW122	18	1973				47
TOTAL HOURS OF SUNSHINE / TOTAL DES HEURES INSOLATION	271.6		234.2		285.9	350.8		1967	160.5		1912	112
MEAN STATION PRESSURE (hPa) / PRESSION MOYENNE À LA STATION (hPa)	98.73		98.51		98.48	98.91		1957	98.14		1969	55
GREATEST STATION PRESSURE (hPa) / PRESSION MAXIMALE À LA STATION (hPa)	99.78	4	99.56	20		100.17	23	1987				55
LEAST STATION PRESSURE (hPa) / PRESSION MINIMALE À LA STATION (hPa)	97.52	23	97.07	23					95.82	4	1980	55

CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST / DONNÉES CLIMATOLOGIQUES CE MOIS-CI POUR LES DERNIÈRES ANNÉES

YEAR / ANNÉE	MAXIMUM TEMP / TEMP MAXIMALE	MINIMUM TEMP / TEMP MINIMALE	MEAN TEMP / TEMP MOYENNE	RAINFALL / HAUTEUR DE PLUIE	SNOWFALL / HAUTEUR DE NEIGE	TOTAL PRECIP. / PRÉCIP. TOTALE	MEAN WIND SPEED / VITESSE MOYENNE DES VENTS	MAXIMUM WIND SPEED / VITESSE MAXIMALE DES VENTS	SUNSHINE HOURS / HEURES INSOLATION	HEATING DEGREE-DAYS / DEGRÉS-JOURS DE CHAUFFE	GROWING DEGREE-DAYS / DEGRÉS-JOURS DE CROISSANCE	COOLING DEGREE-DAYS / DEGRÉS-JOURS DE RÉFRIGÉRATION	RAINFALL / PLUIE
1985	30.0	4.2	16.3	218.0	0.0	218.0	13.9	N 46	193.3	79.1	349.6	0.0	390.8
1986	32.6	3.2	17.5	17.0	0.0	17.0	13.8	SSE 39	314.3	53.6	387.1	0.0	305.7
1987	31.3	2.8	17.2	97.1	0.0	97.1	13.7	S 46	263.0	52.7	380.1	29.8	314.8
1988	38.7	7.5	20.1	8.5	0.0	8.5	14.6	NW 44	256.9	17.4	470.0	84.4	204.5
1989	38.7	5.1	19.5	76.6	0.0	76.6	15.1	SSE 37	258.6	37.9	450.6	85.5	295.0
1990	33.2	4.4	20.0	16.9	0.0	16.9	14.8	NNE 41	334.5	16.5	465.5	79.0	236.1
1991	37.1	6.9	20.9	6.2	0.0	6.2	16.0	S 61	321.9	12.6	493.7	103.3	281.3
1992	30.1	3.8	16.4	78.4	0.0	78.4	15.4	NW 46	252.7	70.3	351.9	19.2	293.5
1993	30.7	5.6	17.9	190.8	0.0	190.8	14.3	SE 56	234.2	40.9	398.2	36.1	522.0
1994	30.6	4.4	16.6	123.0	0.0	123.0	13.7	NW 43	271.6	70.8	358.0	25.8	433.4

Note/Aviz: 1. Climatological Day/Journée climatologique 00 01 C.S.T. - 23 00 C.S.T.
 2. Normal/Normale 1961-1990
 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 du 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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HR	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	164	149	141	143	134	136	147	168	191	219	240	262	268	279	284	283	284	279	271	256	235	212	217	206	215	
A 2	202	195	195	194	188	185	187	195	209	229	244	263	275	293	294	293	293	284	271	222	236	223	205	188	224	
T 3	179	170	162	170	160	164	171	194	208	222	223	221	216	198	195	200	194	204	193	174	148	142	134	114	182	
E 4	103	98	101	80	69	63	72	102	133	145	159	163	174	182	188	186	197	187	188	179	154	144	128	116	138	
5	107	100	103	102	100	93	99	122	152	176	207	221	236	237	246	247	242	236	236	211	198	193	161	167	175	
6	154	155	150	148	147	136	140	155	173	191	204	230	232	248	263	272	267	275	251	193	187	180	186	178	196	
7	173	165	155	150	143	136	130	125	118	121	126	121	128	136	146	147	145	148	134	128	128	124	118	115	137	
8	104	84	72	72	63	75	82	90	98	113	128	143	152	161	169	166	164	181	177	172	146	129	104	86	122	
9	67	59	72	72	84	67	76	107	128	144	162	174	174	191	188	190	200	192	191	178	146	130	126	105	134	
10	117	133	125	106	89	81	90	130	162	175	174	177	181	196	203	210	212	217	213	191	151	140	119	131	155	
11	118	114	100	88	83	90	102	142	167	188	209	223	237	239	251	249	250	239	230	226	217	168	173	174	178	
12	182	179	167	151	144	140	143	156	170	194	219	236	241	251	257	265	251	253	240	205	157	154	135	126	192	
13	96	82	79	86	81	72	76	90	101	126	130	135	147	155	158	171	173	165	158	149	141	127	110	100	121	
14	97	79	82	80	88	90	91	114	149	171	194	202	206	208	212	217	213	213	207	190	150	132	138	136	152	
15	116	102	102	100	109	99	111	133	160	188	215	244	261	275	284	290	292	285	275	246	232	207	183	204	196	
16	191	186	174	166	167	177	184	180	196	216	222	229	255	246	247	233	236	218	208	196	183	174	163	156	200	
17	139	134	118	111	105	108	110	124	150	172	191	202	219	221	216	203	221	211	204	182	154	142	133	114	162	
18	110	116	111	98	105	105	118	132	145	164	183	202	211	222	223	227	225	217	208	195	177	173	168	161	167	
19	156	147	153	156	147	142	137	142	163	176	191	202	214	216	210	207	217	219	196	174	167	130	112	104	170	
20	103	90	88	83	79	72	75	114	156	185	209	217	231	235	231	242	242	237	226	201	172	150	144	137	163	
21	138	138	122	128	118	120	116	143	169	208	226	240	252	262	271	268	270	266	248	229	209	208	210	192	198	
22	181	170	163	158	157	154	153	160	188	205	232	246	261	264	270	272	268	263	256	247	240	234	223	219	216	
23	217	212	205	200	198	187	186	189	194	200	207	226	236	251	251	265	254	262	244	222	199	188	171	163	214	
24	149	145	130	123	133	124	112	163	174	214	226	244	263	275	289	275	268	264	241	200	174	159	185	177	196	
25	178	170	170	173	159	157	162	162	169	173	191	213	227	241	254	256	260	251	230	188	169	148	132	130	190	
26	126	125	116	92	88	88	93	120	154	181	200	210	222	219	219	218	203	198	190	165	157	150	146	142	159	
27	142	139	135	135	131	131	128	132	133	139	149	139	122	130	124	118	116	130	128	119	97	100	97	98	126	
28	96	96	86	93	102	105	114	118	128	135	150	156	163	163	159	180	173	177	167	140	123	127	112	112	133	
29	109	107	109	91	90	103	109	112	114	125	139	160	163	166	159	159	160	158	148	137	118	112	116	102	128	
30	96	85	82	81	80	75	72	84	112	133	142	163	164	174	168	163	163	146	144	125	109	78	88	97	118	
31	83	66	69	93	90	56	51	75	101	123	134	142	141	151	156	164	170	149	138	124	93	95	83	71	109	
MEAN	135	129	124	120	118	114	118	135	154	173	188	200	209	216	219	220	219	214	206	186	166	153	145	139	167	
MOYENNE																										

*TEMPERATURES IN TENTHS OF DEGREES CELSIUS

*TEMPERATURES EN DIXIEME DEGRES CELSIUS

DEU POINT SUMMARY
 SUMMAIRE DES TEMPERATURES DE ROSEE

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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	160	147	138	142	131	136	145	163	177	192	180	204	181	177	174	178	179	176	188	194	183	180	180	181	170
A	180	180	178	174	172	169	170	174	177	187	192	196	197	193	199	201	197	190	204	212	198	185	173	175	186
T	170	164	157	165	152	157	165	176	181	180	185	177	167	158	123	119	113	104	90	94	91	80	91	77	139
E	69	64	57	53	47	42	46	60	52	51	56	56	62	70	72	69	69	88	78	97	91	76	87	83	66
	76	71	66	67	69	66	70	79	93	104	111	94	91	82	99	80	94	89	105	98	91	90	106	99	87
	102	104	107	111	114	117	121	128	137	144	150	161	164	172	168	167	172	165	179	172	180	173	176	170	148
	163	154	144	141	134	128	123	119	117	115	116	104	95	93	89	80	78	65	62	62	67	62	72	77	103
	75	73	67	67	60	72	80	77	69	78	90	38	42	59	53	64	69	67	65	73	63	64	60	59	66
	57	51	64	55	66	56	68	83	84	77	71	81	68	90	87	89	104	89	97	105	101	96	94	93	80
	102	106	96	91	80	78	85	109	116	117	105	105	114	100	113	107	112	114	108	130	119	109	98	108	105
	96	100	96	86	82	85	94	118	119	115	123	121	137	135	150	152	156	162	175	163	167	164	168	168	131
	175	172	159	146	140	138	136	141	150	166	176	174	154	144	138	145	164	129	148	152	147	150	123	118	149
	76	66	67	70	67	64	67	75	78	81	74	48	50	70	65	60	58	52	66	74	76	86	82	81	69
	80	73	74	72	80	83	84	104	113	114	98	84	85	95	93	93	71	81	94	118	110	101	98	104	92
	88	82	79	83	88	83	86	99	105	120	133	137	117	128	95	122	119	128	136	144	133	137	134	129	113
	130	137	141	141	141	143	143	148	153	161	165	167	183	168	167	168	169	165	156	140	133	132	134	119	150
	113	106	99	99	96	97	97	104	113	119	128	124	125	121	130	132	137	132	129	134	130	124	113	102	117
	101	108	102	91	102	102	115	128	140	156	166	166	170	176	167	167	173	172	169	167	159	157	154	153	144
	150	140	145	148	144	138	133	138	141	134	138	136	140	129	131	123	125	121	123	132	123	120	109	102	132
	102	88	88	81	78	68	74	110	137	127	134	135	133	129	131	116	122	133	134	146	138	128	119	118	115
	121	124	112	116	110	113	109	133	138	151	148	147	146	143	142	137	134	132	143	138	136	137	131	134	132
	134	133	132	129	129	127	128	132	138	145	154	152	154	155	156	166	166	169	165	168	167	165	165	165	150
	165	164	164	166	165	175	180	183	188	191	195	205	205	211	208	211	202	203	197	192	186	177	165	157	186
	143	140	125	118	127	120	109	150	153	154	152	156	157	164	162	154	148	145	152	130	126	136	128	138	141
	157	156	160	145	149	152	152	154	164	157	161	158	159	148	141	88	104	94	123	124	98	105	104	98	135
	102	97	99	82	82	82	84	113	129	138	148	147	134	123	109	111	107	104	105	97	87	86	82	87	112
	131	128	123	121	118	116	118	118	121	124	128	129	114	123	109	111	85	72	53	77	76	68	72	77	81
	82	83	78	82	91	99	109	104	101	83	84	78	76	65	80	85	85	72	53	77	76	68	72	77	81
	94	103	89	79	81	97	102	107	105	111	115	118	119	100	102	101	93	97	98	107	100	94	93	86	100
	81	75	71	73	73	70	66	78	100	108	98	90	88	86	66	70	76	70	64	77	76	67	75	80	78
	73	62	66	85	85	52	48	69	80	80	66	58	61	56	58	65	40	73	71	78	61	66	68	59	66
MEAN	114	111	108	106	105	104	107	119	125	128	130	127	125	125	122	121	122	120	123	127	121	118	116	114	118
MOYENNE																									

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

HOUR ->	DIR.																								PEAK WIND		
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	SPEED	TIME	
D 1	C	W	NW	NW	N	NW	NW	NW	C	C	S	SSW	C	S	SSW	S	S	S	S	S	S	S	S	S	SE		
A 0	6	9	7	6	4	6	7	0	0	4	6	0	9	11	13	13	9	6	6	4	4	7	7	6			
Y 2	SSE	SSE	S	S	S	S	S	S	SW	SW	SSW	SW	SSW	W	WSW	W	NW	NW	NW	NE	WSW	SW	WSW	WSW	N	59	16:18
O 7	9	11	13	13	15	13	13	13	13	13	13	13	19	17	20	17	15	9	7	4	6	11	7	9			
F 3	W	W	C	C	W	SW	SW	W	NW	N	N	N	SW	N	NNE	NNE	NNE	N	NNE	N	N	N	N	N	NNE	46	15:00
M 11	13	0	0	9	6	9	6	15	17	20	28	32	35	35	37	28	28	20	20	13	19	20	15				
O 4	NNW	NNW	N	NNW	NNW	NNW	NW	NNE	NNE	N	N	N	N	NW	NNW	NW	N	NW	NNW	NW	W	SW	SW	SW	N	35	09:00
N 20	22	20	17	17	17	15	17	7	20	26	20	17	15	7	13	11	11	15	19	7	6	6	9	13			
N 13	11	13	13	15	17	13	13	13	13	15	13	22	24	20	15	20	15	22	17	17	13	15	15	19	SSW	30	13:00
H 5	SM	SM	SM	SM	SSW	S	SSW	SSW	SSW	SM	SM	SSW	SSW	SM	SSW	SSW	SSW	S	SSW	S	SSW	SSW	S	S	SSW	72	18:49
6	S	S	S	S	S	S	S	S	S	S	S	SSE	S	S	SSW	SM	S	SSW	S	SW	NNE	NNE	NNE	NNE	SSW	65	20:34
7	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	N	NNE	NNE	N	N	NNE	N	N	N	N	N	N	N	NNE	46	05:00
8	N	N	NNW	NNW	NW	C	W	C	C	NW	E	NNW	NE	NNE	NE	NNW	NE	NW	E	E	NE	S	C				
9	9	7	7	9	9	0	4	0	0	6	4	6	9	15	13	13	6	6	11	7	6	11	4	0			
10	C	NE	SE	SE	SE	S	SSE	S	S	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	ESE	E	E	E	E			
11	0	6	7	4	6	6	6	9	13	15	20	11	13	15	7	17	11	7	13	13	11	7	7	7			
12	SSW	S	C	SSW	C	S	S	S	S	S	S	SSE	SSW	S	S	S	S	S	S	SSW	S	SSW	S	S	WSW	65	20:34
13	4	6	0	4	0	6	7	6	11	15	11	17	19	22	20	24	24	17	17	19	19	17	7	13			
14	SW	SW	W	WSW	SW	WSW	WSW	WSW	SW	WSW	WSW	W	WSW	WSW	W	NNW	NNW	W	N	NW	N	N	N	N	N	65	19:34
15	20	17	15	9	9	13	13	17	13	13	13	15	20	17	22	32	24	32	15	13	26	11	22	30			
16	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNW	NW	NNW	NW	NW	NW	NW	NW	NW	NNW	NW	W	W	W	W	NW	56	15:00
17	15	15	24	24	20	22	24	28	26	19	28	26	28	30	43	37	35	28	19	17	13	13	13	13			
18	WNW	W	WNW	W	W	WNW	WNW	NW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	C	C	C	C	S	NNW	41	11:00
19	17	15	17	17	19	19	17	17	20	20	22	24	22	17	17	17	20	20	13	6	0	0	0	9			
20	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	W	SW	W	WSW	SW	SSW	SSW	SSW	S	S	SSW	32	13:00
21	11	11	11	11	11	9	13	13	11	11	15	17	19	19	11	17	11	13	13	11	13	13	13	20			
22	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
23	17	19	20	22	19	17	22	6	7	13	13	17	24	28	13	24	22	19	22	24	24	20	20	13			

D A Y	HOUR ->	DIR.																								PEAK WIND 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		
17	00	NE	NNE	NE	NNE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NE	NNE	NNE	NE	NE	NE	NE	NE	54	21:00
18	01	ENE	ENE	E	NE	ENE	ENE	SW	NNW	C	E	NNE	E	E	ENE	ENE	NE	NNE	E	ENE	NNE	N	E	NNE	N	54	21:00
19	02	N	NNE	N	N	NNW	NNW	NNW	NNW	N	N	N	N	N	N	NNE	N	NNE	NE	NNW	NNW	NNW	NNW	NNW	NNW	33	14:00
20	03	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	48	13:00
21	04	SW	S	C	S	SSE	SSE	S	S	S	S	S	S	SE	S	SSW	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	37	00:00
22	05	S	S	S	S	S	SSE	SSE	S	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	50	11:00
23	06	SSE	SSE	SE	SE	SE	SE	S	S	S	SE	S	S	S	SSE	NW	NE	NNE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	35	15:00
24	07	NW	W	WSW	WSW	W	W	C	S	NNE	ENE	SSE	S	S	WSW	W	NW	NW	N	NNW	NNW	NNW	NNW	NNW	NNW	50	14:00
25	08	SW	WSW	SSE	S	N	W	SSE	E	S	SW	W	N	SE	W	NE	NNE	NNE	N	N	NNW	NNW	NNW	NNW	NNW	39	13:00
26	09	C	WSW	SW	WSW	W	W	W	NNW	NNW	NE	NE	ENE	NE	NNE	NE	NNW	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	50	14:00
27	10	E	E	E	NNE	ESE	E	NE	ENE	ENE	E	NE	N	NNE	NNE	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	39	13:00
28	11	WSW	NNW	WSW	W	W	W	W	W	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	50	11:00
29	12	N	SW	S	SSE	SSE	S	S	N	N	N	N	NNE	ENE	E	NE	NE	NNE	NNE	N	N	NNW	N	N	NNE	39	13:00
30	13	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	50	14:00
31	14	N	N	NNW	NNW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	50	14:00

EQUAL TO OR OVER -----> 10 15 20 25 30 35 40 45 50 55 60 65 70

WINDSPEED IS

NUMBER OF HOURS -----> 486 325 148 65 31 11 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 NUMBER OF DAYS -----> 31 28 23 12 8 6 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 MAX CONSECUTIVE HOURS ---> 61 23 20 9 4 2 0

IN KM/HR

Hourly Relative Humidity at:
Humidite Horaire a:

Winnipeg Int'l Airport

August 1994
Page 8

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	98	99	99	100	99	100	99	97	92	85	70	71	59	54	52	53	53	54	61	69	73	82	80	86	79	
A 2	88	92	90	91	91	90	88	82	85	78	73	67	63	55	57	58	72	87	90	87	86	89	93	93	81	
T 3	95	97	97	97	96	97	90	85	80	82	80	77	74	78	64	60	60	53	52	60	69	67	76	78	78	
E 4	80	80	75	84	86	87	84	76	58	54	51	50	48	48	47	47	44	53	49	59	67	64	77	81	65	
5	82	83	78	79	82	84	83	75	68	63	55	45	40	38	40	35	40	40	44	49	51	52	70	65	60	
6	72	72	76	79	81	89	89	84	80	75	72	66	66	63	56	53	56	52	65	88	96	96	94	96	76	
7	94	94	94	95	95	95	96	97	100	97	94	90	81	76	69	65	65	58	57	62	67	66	74	78	82	
8	83	93	97	98	98	97	94	87	75	72	71	47	46	49	48	52	48	49	50	62	65	77	84	95	72	
9	94	95	95	89	89	93	95	86	75	65	55	50	50	52	52	52	54	52	55	63	75	80	81	93	75	
10	91	84	83	91	95	98	97	88	75	69	64	63	65	54	57	52	53	52	52	68	82	82	87	86	75	
11	87	92	98	99	100	97	95	86	74	63	58	53	54	53	54	55	56	63	72	68	74	98	93	97	77	
12	96	96	96	97	98	99	96	91	89	84	77	69	57	52	48	48	59	47	57	72	94	98	93	95	80	
13	88	90	93	90	91	95	95	91	86	75	69	56	53	53	54	48	47	48	55	61	65	77	83	88	75	
14	90	96	95	95	95	96	96	94	80	70	54	47	46	49	47	46	40	43	49	63	77	82	77	81	71	
15	83	88	86	90	87	90	85	80	70	65	60	52	41	41	31	36	35	38	43	54	54	65	74	63	63	
16	68	74	81	86	85	81	78	82	77	71	71	69	65	62	62	67	67	72	73	71	73	77	83	79	74	
17	85	84	89	93	95	93	92	88	79	71	67	61	56	54	59	64	59	61	63	74	86	89	88	93	77	
18	95	95	95	96	99	99	99	98	97	96	90	80	78	76	71	69	73	76	79	84	90	91	92	96	88	
19	97	96	95	95	99	98	98	98	87	77	72	66	63	58	61	59	56	54	63	77	76	94	99	99	81	
20	100	99	100	99	100	98	100	98	89	69	63	60	55	52	54	46	48	53	57	71	81	87	85	89	77	
21	90	92	94	93	95	96	96	94	82	70	62	57	52	48	46	45	44	44	53	57	63	64	61	70	70	
22	75	79	82	83	84	84	86	84	73	69	62	56	52	52	50	53	54	57	58	62	64	66	70	72	68	
23	73	75	78	81	82	93	97	97	95	93	93	88	83	83	73	73	73	71	76	84	93	94	97	97	85	
24	97	97	97	97	97	98	99	93	88	69	63	58	53	51	47	48	48	48	58	65	74	87	70	78	74	
25	88	92	94	84	94	97	94	96	97	91	83	71	66	57	50	35	38	37	51	67	63	76	84	81	74	
26	86	84	90	94	97	97	95	96	86	76	72	68	58	57	52	65	64	70	91	91	91	91	95	95	80	
27	94	94	93	92	92	91	94	92	93	91	88	94	95	96	91	96	95	85	86	87	94	91	91	93	92	
28	91	92	95	93	93	97	97	92	84	71	65	60	57	50	51	52	57	51	47	66	73	77	80	80	75	
29	91	98	88	93	95	97	96	97	95	92	86	77	76	65	69	69	65	68	72	83	89	89	86	84	84	
30	91	94	93	95	96	97	96	96	93	85	75	62	61	57	51	55	57	61	59	73	81	93	94	90	79	
31	94	98	98	95	97	98	98	96	87	75	64	57	59	53	53	52	42	61	64	74	81	83	91	93	78	
Mean	88	90	91	92	93	94	94	91	84	76	70	64	60	58	56	56	56	57	61	70	76	81	84	86	76	
Moyenne																										

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

DAILY WEATHER SUMMARY FOR AUGUST, 1994 AT WINNIPEG, MANITOBA

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

MONTHLY AND SEASONAL CLIMATE DATA

WINNIPEG, MANITOBA

Season: Summer Year: 1994

	1994				NORMAL				DEPARTURE FROM NORMAL				
	JUNE	JULY	AUGUST	SUMMER	JUNE	JULY	AUGUST	SUMMER	JUNE	JULY	AUGUST	SUMMER	
Mean Maximum Temperature	23.8	24.0	23.3	23.7	23.4	26.1	24.9	24.8	0.4	-2.1	-1.6	-1.1	Mean Maximum Temperature
Mean Minimum Temperature	12.0	12.3	9.8	11.4	10.4	13.4	11.7	11.8	1.6	-1.1	-1.9	-0.5	Mean Minimum Temperature
Mean Temperature	17.9	18.2	16.6	17.6	16.9	19.8	18.3	18.3	1.0	-1.6	-1.7	-0.8	Mean Temperature
Rainfall (mm)	80.0	148.3	123.0	351.3	83.8	72.0	75.3	231.1	-3.8	76.3	47.7	120.2	Rainfall (mm)
Total Precipitation (mm)	80.0	148.3	123.0	351.3	83.8	72.0	75.3	231.1	-3.8	76.3	47.7	120.2	Total Precipitation (mm)
Days With Thunder	6	7	10	23	6	8	6	20	0	-1	4	3	Days With Thunder
Days With Measurable Precipitation	13	12	16	41	12	11	11	34	1	1	5	7	Days With Measurable Precipitation
Sunshine Hours	264.1	269.3	263.1	796.5	290.6	321.7	285.9	898.2	-26.5	-52.4	-22.8	-101.7	Sunshine Hours
Wind (km/h)	14.2	15.9	13.7	14.6	17	15	15	15.7	-2.8	0.9	-1.3	-1.1	Wind (km/h)
Heating Degree Days Below 18 C	27.4	28.8	70.8	127.0	69.0	18.5	45.7	133.2	-41.6	10.3	25.1	-6.2	Heating Degree Days Below 18 C
Growing Degree Days Above 5 C	387.4	408.6	358.0	1154.0	357.8	413.6	413.6	1185.0	29.6	-5.0	-55.6	-31.0	Growing Degree Days Above 5 C
Heating Degree Days Below 0 C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Heating Degree Days Below 0 C
Cooling Degree Days Above 18 C	24.8	34.4	25.8	85.0	36.8	56.4	56.4	149.6	-12.0	-22.0	-30.6	-64.6	Cooling Degree Days Above 18 C
Extreme Maximum Temperature	29.3	30.3	30.6	30.6	31.7	32.6	33.3	34.7	-2.4	-2.3	-2.7	-4.1	Extreme Maximum Temperature
Extreme Minimum Temperature	5.1	8.6	4.4	4.4	2.1	6.8	4.3	1.9	3.0	1.8	0.1	2.5	Extreme Minimum Temperature

1994 Rankings and Extremes for the Period of Record at Winnipeg (1872-1994)

	Temperature				Precipitation (mm)				Sunshine (hours)				
June	31st warmest...:(22.0 in 1988)				54th wettest...:(255.8 in 1901)				53rd cloudiest...:(172.8 in 1925)				
July	18th coldest...:(15.4 in 1884)				7th wettest...:(197.4 in 1953)				11th cloudiest...:(178.3 in 1912)				
August	53rd coldest...:(14.4 in 1977)				11th wettest...:(218.0 in 1985)				38th cloudiest...:(160.5 1912)				
Summer	40th coldest...:(15.7 in 1992)				5th wettest...:(463.0 in 1993)				27th cloudiest...:(619.0 in 1912)				

Note: Sunshine records begin in 1900