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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

MAY

/ MAI

19 91

AT/A WINNIPEG INT'L AIRPORT / AEROPORT INTERN. DE WINNIPEG

LAT. 49° 54' N		LONG: 97° 14' W		ELEVATION ALTITUDE: 239.6		METRES (ASL) METRES (NMM)		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 RÉFÉRIERATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION 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	0.9	-3.1	-1.1	19.1			100	77		2.0	2.0	4	27.9	WNW	NW 37	0.0					
2	2.2	-3.0	-0.4	18.4			98	71		TR.	TR.	4	18.0	NNE	N 24	3.4					
3	5.5	0.1	2.8	15.2			96	65		7.8	7.8	3	17.4	ENE	NNE28*	0.0					
4	4.7	0.4	2.6	15.4			100	93		14.7	1.8	TR	14.4	E	E 24	0.0					
5	7.2	0.9	4.1	13.9			100	74		1.6	0.2	1.8	12.3	NNW	NNW26*	0.4					
6	7.8	0.5	4.2	13.8			100	77		2.6	0.8	3.4	0	N	N 28*	0.2					
7	8.7	0.7	4.7	13.3			100	65		0.2	0.2	0	9.1	N	N 15	2.4					
8	18.6	1.1	9.9	8.1	4.9		93	37				0	19.9	SSE	S 33*	11.9					
9	26.6	10.9	18.8		13.8	0.8	84	41				0	29.7	SSE	SSE43	8.6					
10	28.9	19.2	24.1		19.1	6.1	76	44	1	TR.	TR.	0	29.9	S	SSE37*	10.3					
11	25.0	9.1	17.1	0.9	12.1		89	38		0.2	0.2	0	14.8	NE	NE 22*	7.0					
12	30.5	7.6	19.1		14.1	1.1	95	44	1	1.8	1.8	0	15.7	SE	SE 28	11.1					
13	25.8	13.7	19.8		14.8	1.8	87	29	1	0.2	0.2	0	22.7	SSW	S 37	11.5					
14	29.7	12.0	20.9		15.9	2.9	69	26				0	11.9	S	S 20	12.6					
15	17.7	11.8	14.8	3.2	9.8		100	62		11.0	11.0	0	9.7	NE	NE 22*	0.3					
16	21.8	7.8	14.8	3.2	9.8		100	46				0	15.6	NNE	NNE30*	13.6					
17	20.2	7.1	13.7	4.3	8.7		90	22				0	17.9	ENE	NE 28	14.5					
18	21.1	6.9	14.0	4.0	9.0		58	17				0	15.3	SE	ESE20	14.3					
19	23.3	8.4	15.9	2.1	10.9		57	34				0	22.0	SSE	SSE31*	14.1					
20	23.8	15.5	19.7		14.7	1.7	77	58				0	23.1	S	S 30	5.0					
21	25.9	16.0	21.0		16.0	3.0	76	57				0	26.9	SSE	SSE39	7.2					
22	29.3	18.6	24.0		19.0	6.0	84	46	1	0.8	0.8	0	15.3	S	NNW30	8.7					
23	24.5	13.2	18.9		13.9	0.9	83	52				0	14.6	N	NNE22*	7.4					
24	21.5	9.8	15.7	2.3	10.7		84	31				0	17.8	N	NNE28*	13.6					
25	25.4	12.0	18.7		13.7	0.7	63	24		TR.	TR.	0	19.7	SSE	SSE26*	9.6					
26	27.1	15.9	21.5		16.5	3.5	77	34		TR.	TR.	0	17.8	S	S 28*	9.1					
27	22.7	9.7	16.2	1.8	11.2		93	32				0	14.5	WNW	WNW26	10.8					
28	24.0	7.4	15.7	2.3	10.7		92	29				0	7.5	E	E 17	10.1					
29	26.1	14.2	20.2		15.2	2.2	66	27		TR.	TR.	0	13.0	W	W 26	11.8					
30	27.7	13.6	20.7		15.7	2.7	81	25		0.2	0.2	0	12.6	S	S 26	9.2					
31	23.4	14.8	19.1		14.1	1.1	98	63	1	22.6	22.6	0	17.9	ENE	NE 30*	1.6					
MEAN MOYENNE	20.2	8.8	14.5	TOTAL 141.3	TOTAL 314.3	TOTAL 34.5	86	46	TOT 5	TOTAL 63.7	TOTAL 4.8	TOTAL 68.7	17.7	PREVAILING DIRECTION DOMINANTE S	MAXIMALE SSE43	TOTAL 240.3					
NORMAL NORMALE	18.0	4.5	11.3	219.3	203.8	10.1			3	63.2	2.5	65.7	20.2	S		265.6					
DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS												DAYS WITH TOTAL PRECIPITATION JOURS AVEC PRÉCIPITATIONS TOTALES					DAYS WITH SNOWFALL JOURS AVEC CHUTE 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	100 OR MORE OU PLUS	500 OR MORE OU PLUS	02 OR MORE OU PLUS	10 OR MORE OU PLUS	20 OR MORE OU PLUS	100 OR MORE OU PLUS	500 OR MORE OU PLUS		
TOTAL FOR MONTH TOTAL DU MOIS		141.3	243.0	219.3	TOTAL FOR MONTH TOTAL DU MOIS		314.3	180.2	203.8	13	8	6	3	0	4	2	1	0	0		
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET		5419.0	5726.1	5853.2	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL		413.6	255.3	253.8												

UDC 551.506.1 ()

Note/Avts

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

2. Normal/Normale 1951-1980

3. TR = Trace

4. M = Missing/Manquant

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

6. * Indicate 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)



COMPARATIVE RECORDS AT: RELEVÉS COMPARATIFS À:		WINNIPEG INTERNATIONAL AIRPORT AÉROPORT INTERN. DE WINNIPEG				MONTH MOIS	MAY MAI		19 91				
Temperature/Température — ° Celsius Precipitation/Précipitation — Millimètres/millimètres (mm) Infall/Hauteur de pluie — Millimètres/millimètres (mm) Snowfall/Hauteur de neige — Centimètres/centimètres (cm) Wind speed/Vitesse du vent — Kilomètres/h / kilomètres/h (km/h) Station pressure/Pression à la station — Kilopascals (kPa)		THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						
		VALUE RELEVÉ	DAY JOUR	VALUE RELEVÉ	DAY JOUR		HIGHEST EVER MAXIMUM ABSOLU			LOWEST EVER MINIMUM ABSOLU		NO OF YEARS N° D'ANNÉES	
						VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE		
HIGHEST TEMPERATURE (MAXIMUM) TEMPÉRATURE MAXIMALE		30.5	12	27.8	27		37.8	30	1934				120
LOWEST TEMPERATURE (MINIMUM) TEMPÉRATURE MINIMALE		-3.1	01	-6.0	10					-11.7	3	1907	120
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		14.5		10.3		11.3	17.8		1977	4.4		1907	120
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		63.7		28.9		63.2	177.7		1977	0.8		1917	120
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		4.8		0.6		2.5	32.5		1931	0.0		1987*	120
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		68.7		29.7		65.7	177.7		1977	0.8		1917	120
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		13		6		10	17		1979**	1		1917	120
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		22.6	31	12.6	16		67.6	11	1911				120
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		2.0	01	0.6	17		21.1	1	1967				120
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		22.6	31	12.6	16		71.7	11	1911				120
MAXIMUM RAINFALL RECORDED IN HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES		3.7	31	1.3	21		10.6	25	1978				39
10 MINUTES		5.0	31	2.3	21		17.6	25	1978				39
15 MINUTES		6.5	31	2.8	21		21.6	25	1978				39
30 MINUTES		9.1	31	3.6	21		25.1	20	1974				39
60 MINUTES		11.8	31	5.7	21		28.7	20	1974				39
24 CONSECUTIVE HOURS HEURES CONSÉCUTIVES		22.6	31	14.0	15		67.6	11	1911				120
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		17.7		15.6		20.2	26.1		1959	14.6		1976**	71
MAXIMUM SPEED (2 min. mean) (km/h) VITESSE MAXIMALE (moyenne sur 2 min.) (km/h)		SSE43	9	NNW46	17		NW 80	10	1959				53
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		SSW67	12	NNW59	17		NW109	10	1959				45
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		240.3		314.0		265.6	357.4		1917	126.6		1927	110
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.56		98.55		98.53	98.92		1961	98.17		1965	53
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		100.27	18	99.78	3		100.54	7	1951				53
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		97.22	30	96.70	7					95.49	5	1950	53
CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST DONNÉES CLIMATOLOGIQUES CE MOIS-CI POUR LES													
TEN / DIX										YEARS DERNIÈRE ANNÉES			(10)
YEAR ANNÉE	MAXIMUM TEMP MAXIMALE	MINIMUM TEMP MINIMALE	MEAN TEMP MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP TOTALE	MEAN WIND SPEED VITESSE MOYENNE DES VENTS	MAXIMUM WIND SPEED VITESSE MAXIMALE DES VENTS	SUNSHINE HOURS HEURES INSOLATION	HEATING DEGREE-DAYS DEGRES-JOURS DE CHAUFFE	GROWING DEGREE-DAYS DEGRES-JOURS DE CROISSANCE	COOLING DEGREE-DAYS DEGRES-JOURS DE REFRIGERATION	
1982	31.0	-4.6	13.4	23.3	Tr.	23.3	19.5	S 46	241.9	155.8	266.0	13.9	
1983	26.0	-8.6	8.3	29.1	Tr.	29.1	19.8	NW 48	299.1	300.2	126.5	0.0	
1984	33.8	-6.0	10.1	29.8	Tr.	29.8	18.1	WSW 52	293.4	260.2	167.9	17.1	
1985	31.3	-1.3	13.1	64.0	0.0	64.0	15.0	E 41	280.2	153.5	252.2	2.7	
1986	34.0	-2.9	14.0	25.2	Tr.	25.2	14.7	ENE 52	313.8	154.5	284.0	29.3	
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	
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	
1989	30.5	-10.1	13.7	26.0	Tr.	26.0	16.4	NW 56	301.1	152.7	281.2	21.1	
1990	27.8	-6.0	10.3	28.9	0.6	29.7	20.2	NNW 46	314.0	243.0	180.2	5.1	
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	

Note/AVIS: 1. Climatological Day/Journée climatologique 00_01_C.S.T. — 00_00_C.S.T.
 2. Normal/Normale 1951-1980
 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

DRY-BULB TEMPERATURES AT: WINNIPEG INTERNATIONAL AIRPORT
 TEMPERATURES DU THERMOMETRE SEC A: AEROPORT INTERN. DE WINNIPEG

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MONTH:
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Date	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	-26	-29	-28	-28	-26	-26	-28	-27	-25	-25	-23	-19	-17	-14	-11	-14	-21	-18	-16	-18	-20	-22	-21	-19
2	-19	-18	-15	-14	-15	-21	-25	-23	-18	-16	-10	-8	-3	4	11	15	12	13	13	9	4	7	1	2
3	1	4	5	5	9	10	11	13	19	24	31	34	34	37	44	53	39	38	40	52	41	38	38	33
4	32	27	20	16	9	5	5	7	6	9	14	25	29	33	35	42	44	46	47	45	42	39	38	35
5	29	27	20	18	15	10	10	11	19	19	23	33	43	49	63	66	60	56	49	45	42	37	34	22
6	22	19	18	17	14	8	6	10	20	27	37	37	40	48	61	69	72	60	55	48	37	29	32	30
7	27	27	27	23	23	14	8	27	33	38	44	52	59	78	74	75	79	79	79	78	63	60	53	46
8	29	17	16	23	22	18	28	57	74	107	120	133	146	153	160	177	178	185	182	173	155	140	144	141
9	124	113	112	115	115	111	110	120	124	130	150	176	195	223	246	259	262	260	257	248	231	219	212	202
10	201	198	194	193	193	193	193	194	208	221	234	242	255	267	272	276	284	288	280	255	245	243	222	221
11	218	207	194	182	166	154	159	167	164	178	182	210	225	248	238	242	243	225	216	192	169	158	134	103
12	95	79	77	82	100	100	103	130	164	209	235	262	276	287	295	295	301	301	298	288	281	268	255	248
13	194	193	192	183	171	154	140	155	167	192	212	226	233	244	252	252	236	238	221	210	199	192	187	186
14	186	166	165	142	133	121	128	164	186	211	233	249	262	274	284	288	296	292	278	245	205	175	175	175
15	148	159	151	152	134	126	141	141	157	171	174	164	157	158	149	149	149	152	154	151	146	145	134	128
16	121	112	106	99	85	89	100	126	148	173	183	193	204	214	211	209	202	196	194	182	160	146	129	115
17	102	92	86	81	74	73	75	94	114	128	136	154	164	178	188	189	194	197	193	189	177	164	151	132
18	128	115	103	91	82	70	77	91	121	136	146	163	171	185	192	198	206	206	204	195	176	154	142	131
19	120	121	109	93	88	88	96	109	124	144	166	182	204	206	217	225	227	230	231	223	213	198	186	183
20	179	175	172	168	165	158	155	156	163	172	182	192	210	214	220	222	229	232	235	234	231	220	212	215
21	207	199	191	181	170	161	165	177	199	207	229	243	249	248	248	253	255	254	254	254	244	234	232	227
22	222	229	229	228	215	208	207	186	198	214	248	259	260	271	278	280	272	271	245	233	214	224	208	200
23	196	194	187	182	168	161	159	159	162	170	175	188	200	215	229	234	236	238	234	219	191	156	164	148
24	134	126	110	112	101	112	114	125	147	162	173	181	187	195	195	203	211	209	185	189	152	158	141	132
25	122	123	123	122	124	124	121	130	135	153	171	204	226	235	244	248	250	251	248	244	235	219	205	192
26	186	176	179	179	168	160	165	182	197	213	232	243	254	260	257	261	215	197	191	190	181	171	168	166
27	164	152	154	139	118	111	110	138	147	168	166	175	194	207	215	225	225	221	215	198	166	140	128	112
28	109	105	121	117	88	82	111	150	160	173	186	196	211	222	223	226	229	237	234	228	222	214	198	180
29	161	164	163	166	142	145	151	164	185	209	233	245	248	256	251	257	255	255	248	238	194	166	177	171
30	156	150	148	149	151	153	141	162	198	227	256	260	260	267	273	263	263	261	243	239	225	191	191	177
31	160	153	152	160	159	164	149	168	179	195	199	223	232	216	200	179	179	191	184	182	176	172	169	169

Note/Avis: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.

2. Hours are C.S.T./Les heures sont a l'heure normale de la localité

3. Unit/Unite = 0.1°C

WINDS (km/h) AT:
DES VENTS (km/h) A:

WINNIPEG INTERNATIONAL AIRPORT
AEROPORT INTERN. DE WINNIPEG

MONTH: MAY
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Date	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Peak Gust Rafale Max	Hour/Date Heure/Date
1	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	WNW	1104
2	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	48
3	NNE	N	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	ENE	E	1914
4	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	ENE	0131
5	WNW	WSW	WSW	WSW	WSW	W	WSW	W	W	C	ENE	C	NNE	ENE	NNE	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	41	
6	NW	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1743
7	N	N	N	N	NNW	NNW	NNW	N	N	NNE	WNW	WNW	NNE	SSE	SW	NW	SW	W	WNW	NNW	NW	WNW	S	S	20	
8	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SE	SE	S	S	S	S	SSE	SSE	S	SSE	S	S	S	SSE	SSE	S	SSE	1528
9	S	S	SSE	SSE	SSE	SE	SE	ESE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	1340
10	SSE	SSE	S	SSE	SSE	SSE	S	S	S	S	S	S	SSE	S	S	S	S	SW	SW	SSW	SW	SSW	SSW	S	S	1530
11	SSW	W	W	W	WNW	W	W	W	NW	NW	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	1320
12	N	N	NNE	NNE	NNE	NE	ENE	E	E	ESE	E	SSE	SE	ESE	SE	ESE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SSW	2315
13	SE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	1716
14	ESE	SE	S	S	S	S	WSW	SW	SW	W	SSW	SSE	E	SW	WSW	WSW	W	W	NNW	N	N	NNE	C	C	C	1059
15	N	N	N	WNW	NNW	NNW	N	NNE	NNE	NE	NE	NE	ENE	NE	NE	NE	C	C	N	NNE	NE	C	C	NE	33	
16	WNW	C	W	NW	NNW	N	NNW	N	N	N	NNE	NNE	NE	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	1600
17	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	E	E	ENE	NNE	ENE	NE	ENE	NE	E	ENE	NE	ENE	ENE	ENE	E	E	NE	1540
18	E	ESE	ESE	ESE	SE	SE	SE	SSE	SSE	SSE	SSE	ESE	E	SE	ESE	SE	SE	SE	SE	SE	ESE	SE	SE	SSE	SSE	1339
19	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	48
20	S	S	S	S	S	S	S	S	S	SSW	SSW	S	S	S	S	S	S	SSE	S	SE	ENE	ESE	ESE	SSE	S	0427
21	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	1155
22	SE	SE	SSE	SW	S	SSW	W	WSW	S	S	S	S	S	SSW	WSW	NW	NNW	NNW	N	NNW	N	ENE	SW	C	SSE	0240
23	NNW	NW	NNE	NE	N	NNE	N	NNE	N	N	NNE	N	N	NNE	NNE	NE	NNE	N	NNW	N	NNW	N	NW	WNW	WNW	41
24	SW	W	N	NNE	N	N	N	N	N	NNE	NNE	NNE	NNE	NE	ENE	NNE	N	N	N	NNW	N	N	NE	NE	NE	1120
25	NE	NE	ENE	ENE	E	E	E	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SE	SE	ESE	SE	SE	SSE	SSE	1240
26	SE	SSE	S	S	S	S	SSE	S	S	SSW	SSE	ESE	SSE	E	S	NW	WNW	NW	NW	NW	N	NW	NW	WNW	NW	1531
27	WNW	NNW	NNE	N	NNW	WNW	NNE	N	NE	NW	W	WNW	WNW	NW	NNW	WNW	WNW	WNW	NNW	NW	N	N	NNE	NNE	WNW	1358
28	C	E	ENE	ENE	NE	ENE	E	E	E	ESE	ESE	ENE	E	NNE	NNE	ENE	WSW	ENE	ENE	E	ENE	E	E	E	E	41
29	E	E	SE	SE	C	SSE	SE	C	W	WSW	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	1337
30	SSE	SE	SSE	SSE	SSE	SE	S	SSE	S	S	S	SSW	SSW	S	SSE	S	S	S	SSW	SSE	W	NE	NE	N	SSW	1603
31	WNW	WNW	S	ENE	NE	ENE	NNE	ENE	ENE	E	ENE	NNE	NNE	NNE	ENE	NE	NE	NNE	NNE	NE	NE	NE	NE	NE	NE	1542

Note/Avis: 1. Climatological Day/Journée 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 = 1.0 km/h
 4. C = Calm/Calme
 5. M = Missing/Manquant
 6. * Indicates first of more than one occurrence of the same speed/
 Indique le premier de plusieurs de la meme vitesse

HOURLY DEW POINT TEMPERATURE AT: WINNIPEG INTERNATIONAL AIRPORT
 TEMPERATURE DE ROSEE HORAIRE A: AEROPORT INTERN. DE WINNIPEG

MONTH: MAY
 MOIS: MAI

1991
 1991

Date	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	-26	-29	-64	-57	-48	-48	-51	-45	-48	-48	-42	-38	-41	-41	-44	-41	-33	-30	-31	-25	-33	-31	-35	-35
2	-34	-32	-30	-27	-34	-39	-37	-41	-47	-39	-39	-37	-44	-35	-28	-31	-34	-27	-29	-25	-22	-18	-10	-5
3	-2	-1	-2	-5	-7	-11	-12	-13	-18	-17	-13	-10	-7	-6	-6	-4	2	-5	-6	7	18	18	20	20
4	20	19	15	11	6	4	4	3	3	5	10	19	23	29	31	37	39	42	43	44	42	39	38	35
5	29	27	20	18	15	10	10	11	19	19	21	26	33	30	35	22	32	38	34	36	33	34	32	21
6	20	18	15	14	10	7	5	9	14	20	29	27	31	35	24	32	33	32	34	27	16	15	19	21
7	21	24	23	21	21	13	8	22	24	27	21	22	14	19	26	15	34	25	23	31	26	26	23	2
8	5	4	6	9	10	7	12	22	26	47	44	52	53	45	36	50	42	42	33	44	47	47	38	47
9	62	75	80	84	85	84	80	89	93	96	100	109	115	126	129	122	124	121	126	131	139	138	139	142
10	145	150	150	149	147	145	143	144	147	151	156	156	161	161	158	154	158	153	151	151	153	152	154	154
11	155	153	154	151	147	137	142	145	137	144	154	149	148	135	88	85	103	99	61	49	56	74	73	69
12	70	66	67	70	78	77	79	90	92	120	140	160	172	171	171	162	164	169	165	164	158	157	157	154
13	159	168	166	165	147	128	102	104	104	106	96	74	74	62	65	54	58	68	75	75	78	85	90	85
14	80	78	61	57	55	53	55	76	89	99	96	89	95	80	90	80	81	77	65	100	94	89	87	89
15	96	91	92	90	90	91	95	99	105	98	112	102	116	118	137	140	142	145	147	147	140	138	130	128
16	120	112	106	99	85	85	96	115	131	144	144	140	133	95	91	100	98	102	92	60	73	82	84	82
17	78	73	68	58	49	41	38	32	31	42	45	55	47	42	30	30	-24	7	-20	-15	-31	-39	-31	-31
18	-33	-30	-27	-20	-18	-10	-2	6	12	10	8	17	11	2	-19	-18	-35	-41	-54	-54	-66	-51	-30	-20
19	-25	-20	-16	-12	-12	-12	-10	1	20	32	62	48	68	65	59	59	66	65	71	72	81	86	89	90
20	91	94	98	101	106	109	110	114	119	126	137	138	149	145	148	149	147	148	149	151	149	148	147	134
21	124	127	126	124	121	118	123	132	132	152	154	166	166	163	165	168	166	165	167	169	169	172	171	168
22	167	169	170	180	179	178	165	150	159	171	176	175	176	177	166	153	159	155	157	160	160	162	163	163
23	167	160	142	135	130	130	124	124	129	133	139	147	151	153	147	150	147	134	137	121	117	117	121	111
24	94	94	72	84	74	67	64	59	69	59	44	20	14	31	26	38	40	47	40	41	54	33	47	71
25	59	54	31	28	24	30	34	43	49	64	60	66	59	18	32	49	72	88	99	104	100	93	94	93
26	91	95	102	100	101	102	102	112	113	119	124	113	97	89	88	100	138	145	147	137	124	125	124	125
27	120	109	119	111	102	100	94	101	98	100	96	87	71	61	56	49	51	47	45	44	73	69	68	69
28	75	79	79	78	66	67	80	84	85	89	89	80	75	60	48	47	39	42	42	52	37	40	35	30
29	39	57	67	69	72	80	83	90	94	102	126	112	70	65	45	58	50	61	56	61	79	72	79	82
30	90	82	73	74	73	69	57	66	75	72	91	47	64	79	61	59	82	71	62	75	83	100	101	123
31	126	133	138	140	131	118	129	128	129	132	129	153	156	156	173	167	159	159	154	154	146	151	155	162

Note/Avis: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.

2. Hours are C.S.T./Les heures sont a l'heure normale de la localité

3. Unit/Unite = 0.1°C

HOURLY RELATIVE HUMIDITY AT: WINNIPEG INTERNATIONAL AIRPORT
 HUMIDITE HORAIRE A: AEROPORT INTERN. DE WINNIPEG

MONTH: MAY
 MOIS: MAI

1991
 1991

PAGE 6.

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

Note/AVIS: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.
 2. Hours are C.S.f./Les heures sont a l'heure normale de la localité
 3. Unit/Unite = percent/pour cent

CLIMATOLOGICAL SUMMARY FOR MAY 1991 AT WINNIPEG

The first of May was wintery. Snow was falling, the maximum temperature struggled to 0.9 degrees and there was 4 CM of snow on the ground. The next 6 days remained cool, as maxima remained below 10 degrees. Then suddenly it was summer! The maximum temperature peaked at 20 degrees or higher on 22 of the last 23 days of the month.

The month feature the following notable temperature statistics:

22 days with maxima above 20 normal is 8

12 days with maxima above 25 normal is 3

6 days with maxima below 8 normal is 2

14 days with minima above 10 normal is 3

10 days with minima above 13 normal is 1

8 days with minima below 1 normal is 5

The mean temperature for the month was 3.2 degrees above normal. The mean maximum and mean minimum were 2.2 and 4.3 degrees above normal respectively.

It took a 22.6 mm of rain on the last day of the month to bring the total to exactly normal for the month. Snowfall was almost twice the 1951 to 1980 normal.

Sunshine was about 25 hours short of the norm but growing degree days were 154 percent of normal.

DAILY WEATHER SUMMARY FOR MAY, 1991AT WINNIPEG, MANITOBA

1. Overcast with snow changing to flurries in the evening. Maximum temperature well below normal, minimum below normal. Winds moderate decreasing to light by early evening.
2. Mainly cloudy becoming overcast early evening with snow beginning late evening. Maximum temperature well below normal, minimum below normal. Winds light.
3. Overcast with showers beginning early evening. Maximum temperature well below normal, minimum near normal. Winds light.
4. Overcast with mixed rain and snow changing to rain and drizzle early afternoon. Maximum temperature well below normal, minimum near normal. Winds light.
5. Overcast, visibility reduced to 800 meters overnight in drizzle, snow, and fog. Showers beginning late afternoon. Maximum temperature well below normal, minimum near normal. Winds light increasing to moderate early evening.
6. Overcast with rain and snow, snow ending late morning, showers beginning late afternoon. Maximum temperature well below normal, minimum near normal. Winds moderate decreasing to light mid evening.
7. Cloudy, clearing late evening. Maximum temperature below normal, minimum near normal. Winds light.
8. Sunny. Maximum temperature slightly above normal, minimum near normal. Winds light increasing to moderate late morning.
9. Cloudy becoming mainly sunny late morning. Temperatures well above normal. Winds moderate gusty, gusting strong early afternoon.
10. Sunny becoming cloudy early afternoon with thunder and showers mid afternoon. Temperatures well above normal. Record high minimum set. Winds moderate gusting strong, decreasing to moderate early morning, increasing to moderate gusting strong early afternoon, decreasing to light by mid evening.
11. Overcast with showers late morning, becoming sunny early afternoon. Maximum temperature well above normal, minimum above normal. Winds light.
12. Variable cloudiness with thunder and showers late evening. Maximum temperature well above normal, minimum above normal. Winds light becoming moderate occasionally gusting mid evening.
13. Sunny becoming cloudy with showers late afternoon. Temperatures well above normal. Winds moderate gusting strong late morning, decreasing to light mid evening.
14. Sunny. Temperatures well above normal. Winds light.
15. Cloudy to overcast with showers beginning late morning, visibility reduced to 600 meters in fog near midnight. Maximum temperature near normal, minimum well above normal. Winds light.
16. Sunny, visibility reduced to 600 meters in fog overnight. Temperatures slightly above normal. Winds light increasing to moderate mid afternoon.
17. Sunny. Maximum temperature near normal, minimum slightly above normal. Winds light with occasional moderate gust.
18. Sunny. Maximum temperature slightly above normal, minimum near normal. Winds light.
19. Sunny. Maximum temperature above normal, minimum slightly above normal. Winds light increasing to moderate and gusty late morning.
20. Cloudy. Maximum temperature above normal, minimum well above normal. Record high minimum set. Winds moderate occasionally light.
21. Cloudy. Maximum temperature above normal, minimum well above normal. Record high minimum set. Winds moderate gusty decreasing to light early evening.
22. Cloudy with thunder and showers overnight, variable cloudiness for remainder of day. Temperatures well above normal. Winds light.
23. Cloudy becoming sunny late afternoon. Maximum temperature above normal, minimum well above normal. Winds light.
24. Sunny. Maximum temperature near normal, minimum slightly above normal. Winds light increasing to moderate early morning, decreasing to light mid afternoon.
25. Cloudy becoming sunny late morning. Temperatures above normal. Winds light increasing to moderate early afternoon.
26. Sunny becoming cloudy with brief showers early evening. Temperatures well above normal. Winds light occasionally moderate late afternoon and early evening.
27. Variable cloud becoming sunny early afternoon. Temperatures near normal. Winds light occasionally moderate gusty in the afternoon.
28. Variable cloud, becoming sunny early afternoon. Maximum temperature slightly above normal, minimum near normal. Winds light.
29. Cloudy early morning becoming sunny late morning. Maximum temperature above normal, minimum well above normal. Winds light.
30. Sunny becoming cloudy late morning, showers beginning late evening. Temperatures above normal. Winds light.
31. Cloudy to overcast with showers throughout the day, thunderstorm mid afternoon. Maximum temperature near normal, minimum above normal. Winds light occasionally moderate late afternoon and early evening.