



Environment Canada

Environnement Canada

Atmospheric Environment Service

Service de l'environnement atmosphérique

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

MAY / MAI

19 88

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

LAT. 49° 54' N		LONG. 97° 14' W		ELEVATION ALTITUDE: 239.6		METRES (ASL) MÉTRES (NMM)		STANDARD TIME USED: CENTRAL											
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS			REL. HUMIDITY HUMIDITÉ REL.			PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE 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. PRÉCIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DIRECTION DOMINANTE	MAX 2 MIN MEAN SPEED & DIRECTION VITESSE MOYENNE MAX. SUR 2 MIN & DIRECTION			
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	BASE 18.0°C	%	%		mm	cm	mm	cm	km/h	km/h	HOURS HEURES			
1	25.8	13.3	19.6		14.6	1.6	96	30		0.4		0.4		33.9	SSE	S 59*	2.0		
2	27.3	6.8	17.1	0.9	12.1		92	25		TR.		TR.		22.1	S	S 48*	3.3		
3	15.6	0.4	8.0	10.0	3.0		100	50		0.2		0.2		19.7	NW	NW 31	9.1		
4	11.0	-1.4	4.8	13.2			89	48						19.0	N	NNE24*	9.4		
5	15.7	-3.9	5.9	12.1	0.9		94	38						16.7	NNE	ENE22*	12.9		
6	24.5	4.1	14.3	3.7	9.3		90	30	1	8.0		8.0		23.7	ESE	ESE37	3.7		
7	25.7	12.6	19.2		14.2	1.2	100	42	1	7.8		7.8		22.3	S	SE 31*	6.8		
8	13.0	6.0	9.5	8.5	4.5		100	69		TR.		TR.		29.6	NNE	NNE48	2.9		
9	22.0	1.7	11.9	6.1	6.9		94	28						18.2	N	N 31	11.6		
10	16.2	0.7	8.5	9.5	3.5		93	29		TR.		TR.		14.5	N	N 26*	11.6		
11	16.7	3.0	9.9	8.1	4.9		97	34		0.4		0.4		15.9	NNE	NE 28	10.9		
12	12.2	-4.0	4.1	13.9			94	28		1.4		1.4		23.3	NNW	N 56*	7.8		
13	18.0	-4.2	6.9	11.1	1.9		70	18						16.4	SSW	SSW24	14.6		
14	23.5	6.8	15.2	2.8	10.2		73	27		TR.		TR.		23.3	S	WSW31	5.7		
15	13.3	2.3	7.8	10.2	2.8		100	48		1.2		1.2		24.5	N	N 43	0.9		
16	18.0	-2.2	7.9	10.1	2.9		75	22						9.9	WNW	SW 15*	14.7		
17	25.7	8.0	16.9	1.1	11.9		55	22						28.5	S	S 39*	12.8		
18	29.7	12.6	21.2		16.2	3.2	100	31	1	4.6		4.6		24.1	SSE	S 37*	6.5		
19	19.2	10.8	15.0	3.0	10.0		100	63		4.2		4.2		16.5	NNW	NNE26	1.1		
20	14.5	8.0	11.3	6.7	6.3		98	78						16.8	NE	NE 24*	3.1		
21	19.9	7.3	13.6	4.4	8.6		100	38		TR.		TR.		16.3	NE	NNE22*	9.5		
22	25.7	6.7	16.2	1.8	11.2		85	21						7.1	W	SSW17	15.0		
23	20.8	9.0	14.9	3.1	9.9		64	19						20.5	NE	NNE30	15.0		
24	23.7	5.3	14.5	3.5	9.5		78	19						19.8	ESE	ESE26*	13.6		
25	31.2	10.9	21.1		16.1	3.1	82	28						24.8	S	SSW39	12.5		
26	25.2	5.4	15.3	2.7	10.3		95	32						9.7	SSE	SSE17*	9.9		
27	31.1	11.2	21.2		16.2	3.2	75	23						9.9	SSW	WNW17*	14.5		
28	29.5	16.0	22.8		17.8	4.8	98	48	1	1.5		1.5		11.4	ESE	ESE19	8.8		
29	32.8	16.7	24.8		19.8	6.8	85	44						16.8	SSE	SE 28	13.8		
30	32.0	18.0	25.0		20.0	7.0	79	41	1	0.2		0.2		22.4	SSE	SSE31	10.2		
31	35.2	22.5	28.9		23.9	10.9	75	37						26.3	S	S 41	14.3		
MEAN MOYENNE	22.4	6.8	14.6	TOTAL 146.5	TOTAL 299.4	TOTAL 41.8	88	36	TOT 5	TOTAL 29.9	TOTAL 0.0	TOTAL 29.9		19.4	PREVAILING DIRECTION DOMINANTE S	MAXIMALE S 59	TOTAL 288.5		
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 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	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		146.5	123.1	219.3	TOTAL FOR MONTH TOTAL DU MOIS		299.4	303.4	203.8	11	7	4	0	0	0	0	0	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET		4961.2	5052.1	5853.2	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL		371.2	450.4	253.8										

UDC 551 506 1 ()

Note/Avis

- Climatological Day/Journée climatologique 00 01 C S.T. - 00 00 C S.T.
- Normal/Normale 1951-1980
- TR = Trace
- M = Missing/Manquant
- No entry/Pas de valeur = No occurrence/Pas d'événement
- * 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).
- C = Calm/Calm
- Price: single issue \$2.75 ; annual (Jan. to Dec.) \$27.30 /Prix: numéro individuel \$2.75 ; annuel \$27.30 (janv. à déc.)

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

1988
1988

MONTH: MAY
MOIS: MAI

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	172	169	173	174	161	160	161	170	190	209	227	232	241	246	248	250	248	247	249	219	169	151	150	155
2	153	149	151	155	162	151	163	167	177	213	234	249	256	268	264	262	259	159	145	136	135	114	87	
3	68	54	53	51	52	49	45	43	53	60	88	106	123	140	140	145	133	111	87	67	50	27	18	13
4	8	-4	-8	-7	-11	-13	-10	-2	10	24	36	49	66	84	91	96	99	93	77	65	53	25	16	33
5	31	30	25	11	-31	-37	-24	15	36	58	63	76	76	99	128	136	145	149	142	127	108	86	70	49
6	48	90	88	83	79	75	79	89	114	141	162	191	214	233	236	236	228	214	208	158	170	165	152	140
7	144	132	135	137	132	132	132	134	161	188	207	224	230	246	232	224	227	219	222	178	146	136	134	129
8	126	118	117	118	98	91	84	81	82	80	88	97	97	97	94	100	104	117	117	108	94	90	80	74
9	60	42	30	38	25	22	46	85	106	130	137	154	165	178	190	205	214	215	199	187	155	125	96	80
10	74	58	44	32	10	8	17	46	57	70	81	110	127	141	141	153	145	150	147	141	113	124	127	125
11	128	87	83	70	45	31	45	60	74	90	102	110	118	136	137	154	163	158	148	140	128	114	101	95
12	83	64	58	53	27	32	54	76	99	104	113	113	105	80	81	81	86	85	69	52	28	-8	-38	-31
13	-35	-34	-21	-30	-31	-32	-10	31	57	73	89	108	135	147	150	163	170	174	170	163	139	118	110	93
14	90	83	76	72	70	68	78	110	146	178	197	212	207	201	209	216	216	186	189	153	147	142	140	131
15	131	121	110	104	100	97	99	73	60	51	43	45	44	52	57	66	87	101	96	79	69	61	49	25
16	28	24	-4	-16	-10	-17	-4	28	58	75	95	109	125	135	144	169	161	175	174	167	126	108	106	111
17	96	102	91	82	81	85	90	118	152	180	210	221	231	240	247	249	249	247	237	222	207	188	174	164
18	161	165	160	156	153	150	155	168	200	219	244	265	271	281	233	211	214	192	179	143	140	140	128	131
19	126	123	120	112	108	108	110	110	114	118	130	140	144	154	164	179	185	184	178	171	159	145	119	128
20	121	106	105	105	98	83	91	128	137	137	133	134	132	138	134	134	132	129	125	120	120	118	116	112
21	110	107	107	104	102	99	95	107	120	120	141	147	148	159	169	190	190	194	191	183	167	132	109	95
22	78	96	98	93	82	68	68	91	118	168	195	209	222	230	238	249	250	246	245	234	205	166	156	176
23	176	172	162	152	122	126	124	128	141	150	158	160	175	183	198	192	190	195	186	172	150	127	119	102
24	90	53	70	95	93	92	88	100	126	145	167	187	198	214	222	231	234	230	225	213	196	182	168	147
25	138	144	140	139	136	141	150	164	196	212	238	259	272	284	292	298	298	270	252	232	174	158	147	130
26	109	104	76	68	65	54	79	128	158	171	198	211	222	239	240	238	238	234	235	226	212	187	168	183
27	170	160	136	128	117	112	127	158	193	218	239	260	271	291	299	293	300	291	287	271	237	227	207	197
28	183	177	179	169	170	168	170	203	221	228	218	194	197	244	269	280	274	290	284	280	254	235	213	198
29	216	202	192	191	176	167	179	208	226	247	270	294	290	304	314	314	321	320	310	298	281	271	263	250
30	242	234	224	215	206	202	213	228	252	262	280	299	299	300	302	315	272	278	296	292	281	278	273	263
31	260	247	242	230	225	225	228	242	259	274	290	310	319	324	340	343	340	340	332	321	310	284	276	265

Note/Avis: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.
 2. Hours are C.S.T./Les heures sont à l'heure normale de la localite
 3. Unit/Unité = 0.1°C

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

**1988
1988**

**MONTH: MAY
MOIS: MAI**

**1988
1988**

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	51	54	53	53	40	36	43	55	81	92	98	83	85	83	78	88	75	71	63	104	130	142	145	146
2	146	138	122	61	47	37	33	52	54	78	75	73	76	80	57	49	47	83	87	86	83	83	70	65
3	57	50	52	51	51	49	45	43	43	40	39	44	47	46	47	43	34	24	17	12	6	-5	-11	-17
4	-23	-27	-29	-33	-34	-31	-34	-29	-24	-19	-19	-17	-15	-10	-11	-8	-6	-5	-5	-8	-14	-19	-22	-14
5	-9	-9	-11	-15	-44	-44	-33	-11	-7	-4	-4	-2	0	2	8	8	10	6	8	6	7	9	6	2
6	-2	0	-2	4	6	9	13	19	27	38	41	45	50	47	47	53	47	50	52	117	115	122	135	117
7	108	116	112	102	90	90	80	84	100	116	99	100	99	106	110	115	121	118	114	128	137	136	123	125
8	123	115	114	118	98	91	84	80	74	79	79	76	70	68	71	69	66	61	59	52	47	47	47	39
9	36	25	17	23	14	12	33	48	45	41	42	43	33	36	38	30	22	28	21	31	50	60	54	47
10	41	32	18	11	-1	0	6	12	8	-10	-22	-11	-34	-16	-19	-26	-35	-20	-11	31	26	28	23	16
11	18	23	54	54	37	24	37	47	52	34	42	41	37	34	13	14	10	22	16	24	50	65	74	54
12	41	36	34	31	15	23	44	61	74	77	79	92	86	65	47	4	-36	-57	-89	-117	-96	-98	-93	-91
13	-86	-86	-73	-77	-78	-79	-68	-66	-67	-59	-58	-44	-43	-31	-41	-53	-55	-62	-74	-79	-77	-69	-70	-70
14	-72	-68	-62	-55	-52	-44	-39	-27	-13	-8	8	15	32	47	54	63	66	33	58	85	80	86	78	81
15	79	86	95	90	90	94	99	68	51	43	25	23	13	6	5	3	7	1	-12	-15	-21	-20	-28	-37
16	-32	-37	-51	-55	-54	-56	-51	-45	-48	-69	-71	-58	-49	-45	-51	-38	-35	-36	-41	-35	-21	-28	-35	-43
17	-36	-25	-22	-17	-8	-4	-1	4	4	9	16	23	33	34	35	39	31	16	13	3	-2	-2	-1	1
18	3	-2	2	11	23	35	44	56	77	88	103	113	115	125	92	91	108	149	137	132	129	128	127	126
19	126	123	120	112	108	108	110	110	112	117	120	122	125	123	128	129	119	125	108	106	108	108	106	112
20	109	103	103	99	95	80	83	93	99	100	99	98	100	103	103	101	100	98	96	99	93	91	88	89
21	84	85	83	86	86	86	95	86	86	81	84	86	88	92	84	75	66	55	54	39	40	40	45	43
22	49	53	68	63	57	40	46	55	72	60	64	63	39	37	43	43	29	32	32	36	-5	13	17	0
23	2	-3	15	31	23	44	49	36	22	6	0	13	8	-13	-23	-42	-53	-21	-12	-2	-11	-7	17	25
24	29	20	6	-15	-17	-17	-11	0	10	15	12	8	15	6	14	-3	-3	9	-8	-30	-42	-45	-30	-3
25	6	4	2	1	6	15	24	34	38	38	54	64	78	97	106	128	121	136	129	117	100	82	81	83
26	80	82	66	60	57	48	60	91	95	92	88	73	61	65	64	62	69	68	68	63	63	61	64	65
27	56	54	50	44	55	69	82	116	128	127	126	125	126	107	105	90	84	59	61	54	96	113	121	108
28	101	96	84	81	81	95	115	138	161	170	179	178	191	190	185	172	206	167	179	185	163	166	168	163
29	149	150	149	141	135	140	145	144	147	149	160	162	163	170	178	178	186	183	182	185	190	188	184	181
30	173	170	166	163	162	162	165	173	179	177	176	179	173	179	181	167	170	183	179	179	181	176	175	176
31	175	177	179	177	176	174	173	176	179	184	188	193	188	185	180	178	176	176	172	171	172	175	183	183

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 = 0.1°C

It was a sunny and warm May in Winnipeg with a record high temperature set on the last day of the month.

May was quite sunny with 288.5 hours of sunshine recorded. This is above the normal of 265.6 hours though well below the record of 357.4 hours set in 1917.

Temperatures were generally near to or above normal. There were a few days in the middle of the month where temperatures were below normal. By the end of the month an intense heat wave caused well above normal temperatures and a record high. This record, set on May 31st, showed a maximum of 35.2°C which broke the previous record of 33.8°C set in 1984. The mean maximum was 22.4°C and the mean minimum 6.8°C giving a monthly mean of 14.6°C. Because of the heat wave this May ties with May 1901 as the fourth warmest on record.

Precipitation was a little more in evidence in May than it was in April. However the 29.9 mm is a little less than half of the normal of 65.7 mm. This precipitation was spread out fairly evenly throughout the month.

The mean wind speed was 19.5 km/h which is quite close to the normal of 20.2 km/h. There were problems at the beginning of the month with dust storms caused by strong winds and a lack of precipitation.

DAILY WEATHER SUMMARY FOR MAY 1988

AT WINNIPEG, MANITOBA

1. Cloudy with visibility reduced to 1 km in blowing dust. Temperatures well above normal. Winds moderate gusting to strong with occasional strong gusting to gale force.
2. Cloud with visibilities reduced in blowing dust. Temperatures well above normal. Winds light becoming moderate gusting. Strong occasionally gusting to gale force, becoming light again by evening.
3. Overcast with light drizzle and fog becoming sunny by afternoon. Temperatures near normal. Winds light becoming moderate by the afternoon.
4. Cloudy to overcast in the morning becoming mainly sunny in the afternoon. Temperatures slightly below normal. Winds moderate becoming light late in the evening.
5. Sunny. Temperatures slightly below normal. Winds light becoming moderate by noon and light by late evening.
6. Cloudy with rainshowers in the evening. Temperatures above normal. Winds moderate becoming moderate gusting strong late in the afternoon and light in the evening.
7. Cloudy with thunder and rainshowers in the evening. Temperatures well above normal. Winds moderate occasionally gusting strong becoming light by evening.
8. Overcast clearing by evening. Temperatures near normal. Winds light becoming moderate gusting strong by mid morning with a few gusts of gale force becoming moderate again by evening.
9. Sunny with cloudy periods in the evening. Temperatures above normal. Winds variable light to moderate throughout the day becoming moderate by evening.
10. Sunny with increasing cloud in the evening. Temperatures near normal. Winds light.
11. Sunny with increasing cloud in the evening. Temperatures near normal. Winds light to moderate throughout the day becoming light by evening.
12. Sunny becoming cloudy with rainshowers by noon and clear by late afternoon. Temperatures below normal. Winds light becoming strong gusting to gale force by mid afternoon diminishing to light by late evening.
13. Sunny. Temperatures a bit below normal. Winds light becoming moderate by noon and light again by evening.
14. Sunny in the morning with increasing cloud in the afternoon. Temperatures below normal. Winds light becoming moderate gusting strong in the morning.
15. Overcast with rain, rainshowers and drizzle, becoming cloudy in the evening. Temperatures near normal. Winds light becoming strong by mid morning decreasing to moderate by noon and light by late evening.
16. Sunny. Temperatures a bit below normal. Winds light.
17. Sunny. Temperatures above normal. Winds moderate becoming moderate gusting strong by noon becoming moderate again in the evening.
18. Sunny becoming overcast with thunder and rainshowers in the evening. Temperatures well above normal. Winds moderate occasionally gusting strong becoming light in the evening.
19. Overcast with rainshowers early in the morning becoming mostly cloudy by noon. Temperatures near normal. Winds light becoming moderate in the morning and light again by evening.
20. Cloudy. Temperatures near normal. Winds light becoming moderate in the morning.
21. Overcast becoming sunny in the afternoon. Temperatures near normal. Winds light becoming moderate in the morning and light again in the evening.
22. Sunny. Temperatures above normal. Winds light.
23. Sunny. Temperatures near normal. Winds moderate becoming light in the evening.
24. Sunny. Temperatures above normal. Winds light becoming moderate early in the morning.
25. Sunny with some clouds in the middle of the day. Temperatures above normal. Winds moderate, becoming moderate gusting strong by mid-morning, and light by late evening.
26. Sunny becoming partially cloudy in the afternoon. Temperatures above normal. Winds light.
27. Sunny with a few clouds in the afternoon. Temperatures well above normal. Winds light.
28. Sunny becoming cloudy by mid-morning diminishing to a few clouds in the evening. Temperatures well above normal. Winds light.
29. Sunny. Temperatures well above normal. Winds light becoming moderate near noon and light again in the evening.
30. Sunny. Temperatures well above normal. Winds light becoming moderate gusting strong by mid-morning, and moderate in the evening.
31. Sunny. Temperatures well above normal with a record high of 35.2°C. Winds moderate occasionally moderate gusting strong reducing to moderate in the evening.