



MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS *April*

19 88

AT/A WINNIPEG INT'L AIRPORT / AEROPORT 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 TEMPERATURE			DEGREE-DAYS DEGRÉS-JOURS			REL. HUMIDITY HUMIDITÉ REL.		PRECIPITATION PRÉCIPITATIONS				WIND VENT		BRIGHT SUNSHINE INSOLATION 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. PRÉCIP. TOTALE	SNOW ON GROUND NEIGE AU SOL	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	
1	14.2	-1.6	6.3	11.7	1.3		74	37					TR	28.6	S	S 43	
2	16.9	1.2	9.1	8.9	4.1		76	41						19.9	S	S 30	
3	16.5	0.3	8.4	9.6	3.4		95	56						16.7	SSE	SSE24	
4	17.1	4.9	11.0	7.0	6.0		98	26		0.2		0.2		22.3	SSE	SE 33*	
5	13.3	0.7	7.0	11.0	2.0		87	31						15.4	W	NW 28	
6	18.8	-1.3	8.8	9.2	3.8		85	22						14.1	WSW	NNE30	
7	17.8	-1.0	8.4	9.6	3.4		83	28		TR.		TR.		21.7	E	ESE33*	
8	19.0	-1.6	8.7	9.3	3.7		90	41		TR.		TR.		33.2	E	NW 52	
9	3.9	-3.0	0.5	17.5			81	47			TR.			21.1	NW	NW 41	
10	12.0	-7.0	2.5	15.5			93	23						11.0	NW	W 24*	
11	20.8	-4.7	8.1	9.9	3.1		90	18						16.4	S	SSW30	
12	17.0	-2.3	7.4	10.6	2.4		77	16						19.9	WNW	WNW31	
13	4.4	-6.6	-1.1	19.1			81	41						21.8	NW	WNW35	
14	7.5	-7.7	-0.1	18.1			83	27						19.9	N	N 39	
15	12.6	-9.0	1.8	16.2			87	23						8.4	NW	SW 15*	
16	20.7	-2.2	9.3	8.7	4.3		72	20						27.7	S	SW 35*	
17	4.2	-8.9	-2.4	20.4			76	25						28.8	N	N 44*	
18	6.3	-10.6	-2.2	20.2			86	20						14.3	N	NNW30	
19	9.8	-8.2	0.8	17.2			69	19						20.4	W	NE 37	
20	5.4	-13.2	-3.9	21.9			88	29						18.2	NW	NW 26*	
21	5.6	-7.3	-0.9	18.9			0	0						15.0	N	N 20*	
22	7.0	-7.4	-0.2	18.2			95	42			TR.	TR.		10.4	N	N 20	
23	9.8	-7.9	1.0	17.0			89	27						10.1	E	ESE28	
24	12.9	1.6	7.3	10.7	2.3		93	35		0.2		0.2		24.3	SE	SSE39*	
25	9.9	-4.0	3.0	15.0			100	35		TR.	0.4	0.4		26.6	NW	N 41	
26	9.7	-6.2	1.8	16.2			93	29						11.0	WNW	NNW19	
27	17.0	-6.8	5.1	12.9	0.1		75	17						5.6	S	WSW17	
28	24.2	0.0	12.1	5.9	7.1		43	14						12.3	S	S 20	
29	26.0	4.2	15.1	2.9	10.1		33	14						21.9	S	SE 33	
30	26.0	13.4	19.7		14.7	1.7	48	28						29.7	SSE	S 37*	
MEAN MOYENNE	13.5	-3.4	5.1	389.3	71.8	1.7	78	28	TOT 0	TOTAL 0.4	TOTAL 0.4	TOTAL 0.8		18.9	PREVAILING S	MAXIMALE NW 52	TOTAL 298.2
NORMAL NORMALE	8.9	-2.2	3.4	439.4	50.0	1.0			1	27.1	11.3	38.5		20.9	S		219.8

DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS

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 ANNEE EN COURS	PREVIOUS YEAR ANNEE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 5°C AU-DESSUS DE 5°C	THIS YEAR ANNEE EN COURS	PREVIOUS YEAR ANNEE PRÉCÉDENTE	NORMAL NORMALE	TOTAL FOR MONTH TOTAL DU MOIS	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
	389.3	275.7	439.4		71.8	147.0	50.0		3	0	0	0	0	1	0	0	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET	5204.0	4920.0	5633.9	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL	71.8	147.0	50.0											

UDC 551.506.1 () Note/Aviz 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. * 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/Calm
8. Price: single is \$2.75 ; annual (Jan. to Dec) \$27.30 /Prix: numéro individuel \$2.75 ; an \$27.30 (janv. à déc.)



DRY-BULB TEMPERATURES AT:
 TEMPERATURES DU THERMOMETRE SEC A:
 WINNIPEG INTERNATIONAL AIRPORT
 AEROPORT INTERN. DE WINNIPEG
 MONTH: APRIL 1988
 MOIS: AVRIL 1988
 Page 3.

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	-12	-10	-9	-8	-9	-10	-14	-10	3	26	50	65	88	99	122	134	138	134	120	106	71	52	48	45
2	41	34	30	26	26	22	14	16	33	58	80	112	128	149	162	165	160	151	136	106	88	68	54	44
3	32	28	30	26	16	12	4	20	42	63	92	116	139	144	157	160	155	145	133	117	108	86	75	77
4	71	61	52	52	50	55	57	55	66	63	68	71	84	112	136	142	163	160	153	124	104	92	75	63
5	54	44	33	25	23	22	13	16	43	72	90	99	106	106	112	123	129	120	111	69	46	47	48	26
6	24	25	21	20	14	3	-8	15	40	71	104	132	150	172	182	178	176	140	110	80	57	41	30	15
7	8	-1	-8	-9	-3	2	3	13	26	44	79	112	128	152	168	164	156	152	144	120	109	101	93	-9
8	94	87	93	85	80	71	63	68	78	87	118	140	151	158	182	183	183	180	61	42	13	8	-3	-12
9	-16	-17	-16	-24	-30	-26	-29	-24	-19	-2	13	21	26	21	12	1	9	12	12	0	-8	-14	-16	-18
10	-10	-12	-33	-60	-69	-56	-46	-41	-15	1	14	21	37	62	87	107	115	111	98	57	46	14	-12	-2
11	-19	-47	-38	-34	-38	-40	-23	-5	13	52	102	138	162	196	202	200	198	193	191	181	141	133	124	116
12	122	100	60	34	26	14	11	28	70	95	109	129	134	149	154	154	154	146	131	104	73	49	17	17
13	-23	-22	-22	5	-19	-34	-60	-27	-18	-6	-3	3	14	13	30	27	23	28	34	-5	-27	-36	-50	-61
14	-62	-57	-64	-73	-74	-74	-76	-50	-23	-7	7	18	25	46	62	72	57	56	37	21	-23	-43	-58	-54
15	-58	-58	-75	-88	-73	-85	-80	-47	-15	13	28	57	68	89	93	110	112	121	117	98	81	59	47	43
16	46	30	35	30	30	24	18	39	82	120	151	172	195	187	188	193	187	120	94	86	69	46	13	-3
17	-22	-25	-29	-33	-41	-52	-65	-55	-42	-34	-17	-17	5	6	20	20	29	32	18	4	-31	-55	-64	-88
18	-68	-81	-79	-87	-92	-103	-90	-56	-21	-3	14	20	26	36	56	55	59	56	34	13	-11	-36	-48	-61
19	-76	-63	-62	-60	-61	-68	-46	-4	43	43	63	73	73	88	83	86	74	32	15	-8	-28	-42	-53	-74
20	-78	-76	-82	-104	-117	-131	-116	-81	-58	-39	-7	-3	8	23	30	40	44	40	38	23	1	-30	-54	-49
21	-61	-52	-65	-37	-28	-16	-36	0	16	27	33	33	46	44	45	48	46	46	41	27	19	8	-1	-37
22	-53	-47	-57	-73	-35	-31	-27	-10	8	21	25	35	39	33	38	50	63	63	45	18	-8	-10	2	-8
23	-17	-22	-50	-44	-62	-78	-72	-24	6	31	45	56	61	69	82	86	88	88	82	75	65	61	54	54
24	53	51	49	52	46	48	57	65	74	68	64	72	91	110	113	95	91	93	73	46	32	28	17	16
25	16	14	12	12	14	5	5	7	17	14	12	16	34	46	78	85	91	95	75	55	8	-2	-21	-33
26	-40	-48	-41	-52	-56	-45	-49	-25	16	45	56	73	70	79	89	84	83	84	81	68	48	28	13	5
27	6	-6	-20	-55	-43	-42	-35	3	48	78	103	114	134	132	148	149	154	160	155	134	99	66	48	80
28	66	48	42	32	22	12	0	52	113	167	182	195	207	217	226	234	230	228	224	214	164	147	141	130
29	120	102	61	61	51	43	50	88	135	177	218	225	238	248	247	252	250	250	244	216	201	194	176	167
30	149	156	160	156	138	143	141	150	170	180	203	210	217	242	248	252	256	240	230	224	212	203	190	184

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

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

MONTH: APRIL 1988
 MOIS: AVRIL 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	-57	-51	-54	-58	-59	-60	-60	-60	-59	-53	-43	-35	-22	-11	-9	-8	-5	-1	-16	-27	-5	-14	-13	-18
2	-25	-26	-27	-27	-28	-28	-27	-23	-17	-3	3	15	38	36	40	30	30	25	24	6	-2	-2	-4	-7
3	-14	-23	-27	-7	-19	-3	-3	12	25	39	43	68	59	58	76	87	83	84	82	76	74	67	68	53
4	54	47	47	48	48	50	49	47	50	57	62	68	77	86	92	91	-7	-31	-34	-17	-16	-22	-23	-28
5	-27	-18	-15	-12	-15	-12	-19	-7	13	25	6	4	5	-19	-24	-18	-20	-37	-52	-35	-35	-35	-40	-30
6	-27	-21	-20	-23	-25	-29	-33	-19	-11	-8	-6	-39	-29	-46	-30	-28	-28	36	-3	-10	-25	-27	-30	-36
7	-40	-40	-39	-37	-35	-37	-29	-34	-34	-34	-35	-35	-31	-34	-21	-21	-29	-19	-12	-20	-22	-26	-24	-26
8	-31	-12	-27	-23	-23	-25	-26	-23	-21	-15	0	16	22	31	45	49	57	68	18	14	-2	-14	-27	-30
9	-42	-61	-67	-62	-58	-63	-63	-63	-69	-71	-73	-81	-76	-73	-64	-50	-51	-66	-69	-69	-70	-72	-70	-57
10	-59	-59	-62	-75	-79	-64	-58	-54	-37	-51	-53	-60	-55	-58	-60	-67	-93	-85	-77	-73	-72	-73	-70	-68
11	-67	-59	-54	-53	-59	-61	-47	-44	-48	-43	-36	-48	-52	-50	-48	-48	-48	-50	-51	-52	-48	-48	-40	-35
12	-33	-36	-9	-13	-17	-23	-26	-26	-26	-42	-48	-73	-98	-74	-92	-103	-81	-73	-65	-79	-66	-51	-61	-60
13	-65	-61	-65	-64	-74	-81	-88	-86	-90	-88	-92	-98	-91	-92	-92	-92	-88	-87	-84	-76	-83	-83	-86	-91
14	-91	-94	-95	-103	-101	-100	-100	-85	-86	-108	-110	-102	-100	-96	-95	-107	-115	-117	-89	-92	-98	-97	-104	-106
15	-100	-96	-102	-110	-98	-102	-99	-75	-65	-70	-74	-70	-74	-73	-80	-79	-87	-88	-86	-89	-92	-91	-97	-103
16	-108	-105	-92	-84	-86	-86	-90	-89	-79	-67	-56	-51	-39	-35	-31	-19	-31	4	9	-3	-26	-7	-29	-51
17	-72	-69	-73	-81	-89	-105	-118	-138	-128	-135	-138	-141	-140	-145	-142	-142	-141	-147	-132	-110	-116	-118	-124	-127
18	-116	-117	-120	-118	-129	-111	-92	-101	-135	-142	-145	-145	-145	-143	-148	-153	-135	-127	-127	-125	-122	-125	-128	-114
19	-110	-122	-122	-132	-125	-131	-135	-124	-127	-128	-133	-131	-140	-134	-132	-128	-139	-98	-105	-103	-105	-119	-135	-132
20	-127	-120	-119	-129	-137	-146	-134	-118	-134	-133	-129	-127	-116	-112	-112	-114	-116	-117	-122	-123	-115	-118	-117	-109
21	-111	-94	-99	-86	-79	-60	-64	-42	-43	-49	-48	-49	-51	-51	-50	-50	-46	-46	-43	-43	-44	-45	-47	-65
22	-73	-58	-68	-81	-53	-51	-48	-38	-25	-25	-27	-36	-44	-27	-39	-58	-58	-54	-58	-51	-58	-57	-44	-51
23	-59	-65	-79	-78	-80	-97	-87	-54	-57	-72	-80	-83	-83	-81	-81	-83	-85	-90	-94	-94	-95	-86	-83	-79
24	-75	-79	-78	-77	-74	-72	-73	-71	-69	-66	-7	36	-3	-35	-29	-34	-37	-43	-37	-16	-1	-1	6	6
25	4	9	6	6	9	1	1	5	6	6	6	-3	-6	-4	-4	-12	-14	-43	-72	-67	-70	-37	-43	-51
26	-58	-66	-66	-62	-66	-58	-64	-49	-27	-42	-53	-55	-63	-66	-59	-67	-69	-73	-88	-85	-88	-85	-79	-74
27	-74	-76	-78	-95	-84	-83	-79	-42	-56	-55	-55	-60	-62	-78	-76	-86	-95	-90	-90	-80	-79	-79	-78	-92
28	-89	-101	-109	-116	-112	-110	-111	-93	-84	-73	-75	-71	-68	-64	-63	-60	-61	-62	-67	-73	-77	-76	-82	-91
29	-97	-103	-104	-104	-109	-110	-107	-89	-65	-33	-8	-32	-41	-43	-38	-27	-25	-27	-28	-39	-44	-50	-48	-45
30	-43	-36	-24	-21	-19	-14	-11	-5	6	42	70	81	100	103	98	98	97	89	81	74	72	58	56	51

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

It was a sunny, warm but very dry month in Winnipeg.

April was the third sunniest on record at 298.2 hours. The sunniest was 326.7 hours in 1980 and 305.5 in 1900. The temperature was generally above normal in the first and last of the month with below normal values in between. Daily records were set on two occasions - a high maximum of 16.9 on the 2nd and low minimum of -13.2 on the 20th. Our mean maximum was 13.5 and the minimum was -3.4 giving a monthly mean of 5.1. Although the mean was above normal, the minimum was below normal while the maximum was much above normal (normals 8.9, -2.2, 3.4). The extremes for the month were 26.0 on the 29th and 30th and -13.2 on the 20th.

Precipitation was almost non-existent. We tied for 2nd driest April on record with only 0.8 mm, the same as last year. The driest was 1980 when only a trace was recorded. The little that we had was evenly distributed between rain and snow.

Although the month ended with strong winds and a dust storm which lowered visibility to less than 1 km, the winds were, on average, less than normal at 18.9 compared to the normal of 20.9.

DAILY WEATHER SUMMARY FOR APRIL 1988

AT WINNIPEG, MANITOBA

1. Few clouds. Temperatures well above normal. Winds moderate gusting strong, occasionally strong gusting gale.
2. Sunny. Temperatures well above normal. Winds moderate becoming light early in the morning, becoming moderate in the afternoon and light in the evening.
3. Clear becoming cloudy in the early evening. Temperatures well above normal. Winds light becoming moderate in the afternoon.
4. Cloudy becoming clear in the late afternoon. Temperatures well above normal. Winds moderate becoming light in the evening.
5. Sunny with clouds at mid-day. Temperatures well above normal. Winds light becoming moderate by noon and light again by evening.
6. Sunny. Temperatures well above normal. Winds light becoming moderate by mid-afternoon.
7. Cloudy. Temperatures well above normal. Winds light becoming moderate by noon.
8. Cloudy becoming partially cloudy by noon and overcast by evening. Temperatures above normal. Winds moderate gusting strong becoming strong gusting gale force by evening.
9. Cloudy. Temperatures a bit below normal. Winds moderate gusting strong becoming light by late afternoon.
10. Cloudy becoming sunny by noon. Temperatures near normal. Winds light becoming moderate by noon and light again by evening.
11. Few clouds. Temperatures above normal. Winds light becoming moderate gusting strong by late afternoon.
12. Sunny. Temperatures above normal. Winds light becoming moderate. Occasionally gusting strong by mid-day and light by late evening.
13. Sunny with cloudy periods in the afternoon. Temperatures below normal. Winds light becoming moderate gusting strong by early morning decreasing to light in the evening.
14. Sunny. Temperatures a bit below normal. Winds light becoming moderate gusting strong by mid-morning decreasing to light by evening.
15. Sunny. Temperatures near normal. Winds light.
16. Mainly sunny becoming cloudy in the evening. Temperatures above normal. Winds moderate becoming moderate gusting strong by mid-morning.
17. Overcast becoming sunny by mid-morning. Temperatures below normal. Winds moderate gusting strong becoming light in the evening.
18. Sunny. Temperatures below normal. Winds light becoming moderate by noon and light again by evening.
19. Sunny. Temperatures below normal. Winds light increasing to moderate gusting to strong by the afternoon, decreasing to moderate in the evening.
20. Sunny. Temperatures below normal. Winds light becoming moderate by noon and light again in the evening.
21. Cloudy. Temperatures below normal. Winds light becoming moderate for a short period in the afternoon.
22. Cloudy. Temperatures below normal. Winds light.
23. Sunny becoming cloudy in the evening. Temperatures below normal. Winds light becoming moderate late in the evening.
24. Overcast with a few sunny periods. Temperatures near normal. Winds moderate and gusty.
25. Overcast becoming clear in the evening. Temperatures below normal. Winds moderate occasionally gusting strong.
26. Sunny becoming cloudy by the afternoon. Temperatures below normal. Winds light.
27. Sunny. Temperatures near normal. Winds light.
28. Sunny. Temperatures above normal. Winds light with a few moderate gusts.
29. Sunny. Temperatures well above normal. Winds light becoming moderate with a few strong gusts by noon.
30. Few clouds. Temperatures well above normal. Winds moderate gusting strong.