

MONTHLY METEOROLOGICAL SUMMARY

SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS: **APRIL / AVRIL** 19 **90**
 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: HEURE NORMALE UTILISÉE		CENTRAL							
DATE	TEMPERATURE TEMPÉRATURE			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. PRÉCIP. 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	1.9	-4.9	-1.5	19.5			86	48				TR	24.5	N	NNE33*	9.1			
2	3.2	-8.8	-2.8	20.8			87	32					10.3	S	S 20	11.3			
3	10.7	-1.4	4.7	13.3			91	59	TR.		TR.		24.7	S	S 35*	6.4			
4	0.5	-7.9	-3.7	21.7			94	47					27.5	N	N 39*	6.3			
5	-3.6	-10.8	-7.2	25.2			80	47			TR.		27.4	N	NNW39	9.9			
6	0.4	-12.7	-6.2	24.2			90	37					13.9	NW	WNW22	12.1			
7	6.5	-5.0	0.8	17.2			94	60	0.2	0.2	0.4		15.6	NNW	NW 33	3.5			
8	3.9	-4.5	-0.3	18.3			97	40		0.4	0.4		11.4	E	E 19	0.0			
9	7.0	-4.9	1.1	16.9			83	39				TR	17.8	NNE	NW 30	10.7			
10	-1.6	-9.7	-5.7	23.7			86	48			TR.		19.3	NNW	NNW33	6.0			
11	2.8	-9.1	-3.2	21.2			90	47					11.0	NNW	N 22	4.7			
12	10.2	-7.1	1.6	16.4			93	36					9.5	W	WNW17*	11.0			
13	5.6	-4.2	0.7	17.3			90	39					14.6	N	NNE26*	11.2			
14	5.1	-4.2	0.5	17.5			92	39	TR.	TR.	TR.		19.8	N	N 33	5.1			
15	6.4	-5.0	0.7	17.3			100	53		2.4	1.2	1	19.8	S	N 35	8.4			
16	1.3	-7.5	-3.1	21.1			83	43					24.1	NW	N 41	10.7			
17	13.2	-7.6	2.8	15.2			76	25					16.2	WSW	WNW31*	11.2			
18	18.4	-1.5	8.5	9.5	3.5		70	23					25.1	SSW	SSW37*	11.1			
19	21.7	5.1	13.4	4.6	8.4		69	25					20.8	SSW	SSW33	11.2			
20	23.7	-1.5	11.1	6.9	6.1		90	27					15.3	SSE	S 30*	11.8			
21	26.9	10.9	18.9		13.9	0.9	57	25					24.2	S	NE 33	13.2			
22	28.0	5.7	16.9	1.1	11.9		76	39	1	1.2	1.2		22.0	SSE	S 37	4.2			
23	31.1	13.5	22.3		17.3	4.3	81	26	1	TR.	TR.		24.6	S	S 33*	8.5			
24	24.7	7.7	16.2	1.8	11.2		100	43		1.6	1.6		17.0	NNE	NNE35	9.0			
25	13.8	1.8	7.8	10.2	2.8		100	85	1	3.8	3.8		21.1	WNW	NNE37	0.3			
26	4.1	-3.0	0.6	17.4			97	70		TR.	TR.		25.5	N	N 31*	0.0			
27	0.1	-4.8	-2.4	20.4			100	70		TR.	0.8		31.5	N	N 39	0.0			
28	0.1	-7.5	-3.7	21.7			100	83		7.2	4.2		23.3	NNE	NNE33	1.2			
29	2.0	-7.4	-2.7	20.7			89	56				3	17.4	S	S 26	9.0			
30	1.9	-5.8	-2.0	20.0			92	57			TR.	TR.	23.6	WNW	WNW43	6.6			
MEAN MOYENNE	9.0	-3.4	2.8	TOTAL 461.1	TOTAL 75.1	TOTAL 5.2	88	46	TOT 3	TOTAL 14.0	TOTAL 8.0	TOTAL 19.8		20.0	PREVAILING N DOMINANTE	MAXIMALE WNW43	TOTAL 223.7		
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										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	50 OR MORE - OU PLUS	02 OR MORE - OU PLUS	10 OR MORE - OU PLUS	20 OR MORE - OU PLUS	50 OR MORE - OU PLUS		
TOTAL FOR MONTH TOTAL DU MOIS		461.1	461.7	439.4	TOTAL FOR MONTH TOTAL DU MOIS		75.1	31.2	50.0	8	5	2	1	0	5	2	2	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET		5483.1	5663.7	5633.9	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL		75.1	31.2	50.0	8	5	2	1	0	5	2	2	0	0

UDC 551.506.1 () Note/avis 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/Calme \$2.75

\$27.30

\$2.75

\$27.30

8. Price: single issue _____; annual (Jan. to Dec.) _____ /Prix: numéro individuel _____; annuel (janv. à déc.) _____

**WINNIPEG INTERNATIONAL AIRPORT
AEROPORT INTERN. DE WINNIPEG**

**DRY-BULB TEMPERATURES AT:
TEMPERATURES DU THERMOMETRE SEC A:**

**MONTHS:
MOIS:**

**APRIL
AVRIL**

**1990
1990**

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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	18	7	2	1	-7	-15	-22	-25	-34	-35	-24	-20	-14	-1	8	1	1	-2	-10	-21	-30	-38	-43	-45
2	-48	-61	-64	-65	-73	-76	-73	-63	-46	-34	-13	-6	12	20	22	21	26	27	23	8	1	-4	-2	-2
3	-2	-7	-6	-7	-4	-5	-4	0	12	17	26	26	53	68	79	95	98	96	90	55	52	42	21	5
4	-14	-7	-14	-10	-19	-2	1	-3	-6	-17	-24	-22	-14	-16	0	-3	-7	-19	-33	-48	-62	-69	-76	-78
5	-77	-76	-82	-84	-88	-88	-86	-75	-62	-47	-59	-53	-50	-68	-71	-61	-62	-70	-72	-81	-87	-91	-95	-101
6	-106	-116	-114	-114	-118	-123	-122	-108	-88	-69	-52	-39	-32	-21	-18	-12	1	0	-6	-30	-37	-48	-43	-47
7	-40	-34	-39	-36	-38	-40	-36	-25	2	-6	19	31	34	37	31	40	39	56	49	13	12	12	-2	-2
8	-9	-12	-36	-43	-39	-29	-25	-13	-1	13	21	26	33	33	32	27	14	6	-1	0	4	11	10	11
9	13	8	6	-15	-21	-28	-35	-22	6	20	35	40	46	52	59	61	52	48	8	-19	-35	-36	-32	-40
10	-49	-51	-54	-67	-76	-77	-72	-60	-45	-34	-31	-16	-29	-29	-35	-36	-36	-39	-46	-54	-61	-70	-94	-86
11	-85	-84	-80	-80	-83	-83	-81	-61	-55	-39	-26	-28	-21	-3	8	7	7	22	11	3	-13	-19	-25	-26
12	-35	-47	-40	-47	-52	-65	-68	-33	0	21	39	50	61	73	83	89	92	97	96	61	46	39	38	30
13	30	4	-13	-2	-26	-20	-26	-18	-6	2	13	15	20	27	36	38	51	51	37	15	0	-9	-4	2
14	-3	1	-1	-4	-5	-19	-17	-22	-20	-11	-18	-9	4	19	19	44	36	39	23	15	-13	-33	-25	-31
15	-40	-36	-36	-40	-22	-20	-22	-14	-8	-2	13	37	57	40	39	46	48	56	55	25	15	13	8	3
16	-6	-18	-21	-18	-32	-41	-46	-32	-25	-23	-21	-8	-7	-3	0	1	-7	-3	-8	-24	-50	-58	-68	-67
17	-74	-67	-70	-60	-52	-52	-36	-24	4	37	70	88	102	116	113	123	124	117	117	82	64	44	19	31
18	17	11	12	-2	19	-1	-8	19	51	84	103	115	135	151	167	177	181	178	171	157	147	135	126	113
19	104	91	85	75	67	59	52	59	88	131	151	169	187	198	207	187	202	193	182	157	134	124	100	90
20	89	92	84	80	33	0	9	44	87	118	137	159	171	196	205	221	228	227	221	201	189	179	175	152
21	140	146	141	132	124	117	110	124	173	224	230	246	258	246	247	245	253	234	209	184	163	144	129	122
22	110	60	80	73	73	93	89	128	152	166	177	192	222	204	256	267	279	274	264	251	240	214	218	199
23	189	174	166	164	157	145	135	142	167	198	223	243	250	269	269	302	304	299	287	265	247	242	223	204
24	187	153	110	91	91	85	81	101	142	172	193	217	234	241	239	237	200	153	120	96	93	98	97	83
25	79	81	88	92	89	84	76	80	92	110	116	123	122	121	120	124	112	84	70	55	43	37	29	25
26	18	8	8	10	9	9	8	13	18	25	28	30	34	30	33	37	28	24	18	6	-7	-14	-24	-27
27	-29	-32	-40	-40	-43	-44	-47	-44	-43	-37	-28	-22	-18	-15	-7	-7	-4	-4	-5	-6	-6	-8	-14	-19
28	-21	-20	-18	-18	-19	-14	-16	-14	-13	-13	-11	-10	-9	-7	-5	-1	0	-4	-12	-22	-37	-45	-49	-59
29	-72	-66	-66	-70	-63	-56	-49	-45	-32	-20	-17	-19	-16	-11	0	8	15	12	9	0	-11	-14	-16	-20
30	-17	-24	-30	-40	-45	-56	-47	-45	-36	-36	-24	-15	-6	-10	0	14	6	5	-4	-22	-29	-35	-45	-47

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

MONTH: APRIL
 MOIS: AVRIL

1990
 1990

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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	-16	-21	-22	-25	-32	-36	-48	-55	-67	-67	-66	-67	-61	-59	-69	-85	-94	-88	-85	-104	-99	-97	-97	-91
2	-97	-88	-84	-88	-93	-94	-96	-87	-109	-121	-126	-133	-138	-119	-95	-95	-79	-79	-65	-58	-49	-41	-40	-41
3	-37	-46	-41	-40	-55	-50	-48	-46	-38	-34	-23	-4	-7	15	15	31	38	29	32	22	7	-2	-2	-21
4	-27	-23	-20	-21	-27	-22	-28	-35	-41	-61	-64	-67	-77	-67	-74	-80	-107	-110	-119	-114	-124	-119	-120	-122
5	-124	-130	-128	-128	-122	-117	-113	-105	-113	-114	-132	-147	-127	-117	-147	-151	-147	-165	-167	-157	-150	-140	-144	-140
6	-139	-138	-137	-135	-135	-137	-138	-126	-130	-138	-136	-135	-139	-136	-127	-125	-127	-119	-115	-109	-97	-98	-96	-93
7	-87	-75	-67	-60	-61	-60	-60	-53	-52	-14	12	6	-6	-1	-3	-3	-9	-7	-21	-26	-25	-31	-25	-24
8	-27	-31	-45	-48	-47	-37	-35	-35	-42	-72	-73	-79	-80	-88	-70	-61	-30	-26	-11	-17	-32	-45	-43	-47
9	-50	-48	-45	-47	-46	-52	-56	-56	-59	-62	-60	-90	-76	-69	-62	-31	-52	-67	-57	-73	-81	-79	-76	-76
10	-100	-104	-93	-91	-95	-92	-92	-90	-95	-114	-121	-102	-99	-100	-105	-125	-128	-131	-122	-121	-121	-117	-122	-116
11	-115	-107	-104	-101	-98	-101	-93	-84	-95	-110	-99	-100	-104	-93	-98	-100	-96	-82	-83	-76	-69	-76	-76	-67
12	-62	-68	-73	-69	-73	-77	-79	-48	-50	-54	-37	-42	-42	-46	-46	-50	-48	-46	-40	-46	-42	-38	-34	-31
13	-29	-30	-32	-32	-41	-35	-38	-46	-50	-59	-65	-71	-79	-67	-61	-62	-72	-77	-72	-58	-68	-69	-85	-92
14	-95	-111	-95	-93	-40	-40	-35	-32	-30	-28	-30	-36	-39	-49	-63	-72	-78	-91	-60	-56	-67	-70	-74	-73
15	-75	-74	-69	-69	-54	-38	-25	-14	-8	-2	-5	-1	2	0	-2	-20	-32	-24	-33	-31	-36	-27	-14	-16
16	-30	-48	-61	-69	-69	-68	-69	-71	-75	-104	-101	-105	-108	-102	-111	-94	-102	-113	-111	-120	-109	-105	-106	-105
17	-103	-105	-117	-119	-114	-86	-74	-67	-66	-59	-68	-54	-48	-63	-61	-48	-61	-61	-50	-43	-45	-44	-48	-44
18	-44	-42	-44	-50	-60	-58	-57	-48	-32	-28	-27	-25	-27	-39	-45	-39	-35	-7	-7	-10	-17	-16	-13	-13
19	-19	-16	-11	-5	-2	-2	-3	2	16	30	29	39	36	32	6	21	-3	7	-4	10	5	-2	-1	-1
20	-4	-7	3	1	-8	-19	-5	4	13	14	16	18	28	26	27	29	27	24	25	31	28	22	17	20
21	21	10	8	8	10	12	14	19	37	33	35	43	49	59	61	61	59	71	51	44	35	33	32	30
22	29	20	29	27	33	41	43	42	41	44	51	74	99	105	118	120	129	125	117	109	112	123	119	110
23	106	114	110	107	105	106	104	98	102	107	115	120	128	128	126	122	90	90	136	143	116	62	66	81
24	94	95	88	84	88	78	81	99	108	16	119	120	116	112	109	120	108	91	82	78	84	91	85	81
25	79	81	88	91	88	84	76	80	92	107	109	115	111	106	104	101	90	79	66	51	39	34	29	24
26	18	6	4	6	3	3	1	7	5	2	2	1	3	0	-8	-13	-21	-18	-23	-27	-32	-39	-48	-54
27	-52	-55	-45	-52	-48	-55	-58	-56	-60	-57	-52	-52	-54	-52	-48	-48	-46	-44	-47	-54	-43	-38	-24	-21
28	-24	-22	-19	-18	-20	-16	-18	-14	-14	-14	-14	-11	-11	-10	-8	-5	-10	-17	-21	-34	-51	-63	-67	-85
29	-92	-86	-86	-86	-80	-82	-89	-90	-80	-68	-63	-54	-74	-67	-59	-63	-45	-67	-69	-65	-56	-54	-56	-52
30	-42	-38	-42	-55	-63	-73	-67	-63	-55	-46	-43	-39	-38	-37	-49	-49	-63	-68	-71	-75	-80	-68	-60	-61

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

April of 1990 will be remembered as a month of extremes. Temperatures soared during the week of the 18th to the 24th, when maximum temperatures were above 20 degrees on 6 consecutive days. Maximum temperature records were set on the 22nd (28.0) and the 23rd (31.1). Thunder was heard on three days during this period.

In sharp contrast, the month ended bitterly cold, with several days of snow flurries. On the 28th, along with 7.2 mm of rain, we received 4.2 cm of snow, which had not yet completely melted by the end of the month.

Total precipitation of 19.8 mm was just over half of the normal 38.5 mm. Total bright sunshine and average wind speed for the month were close to normal values.

DAILY WEATHER SUMMARY FOR APRIL 1990AT WINNIPEG, MANITOBA

1. Becoming sunny early afternoon. Temperatures near normal. Moderate gusty winds decreasing to light mid-evening.
2. Sunny. Temperatures normal. Light winds.
3. Mostly cloudy becoming sunny early afternoon. Temperatures above normal. Moderate winds with few strong gusts.
4. Becoming cloudy early morning returning to sunny late afternoon. Temperatures slightly below normal. Moderate winds with few strong gusts.
5. Sunny with afternoon cloudy periods. Temperatures well below normal. Moderate winds with strong gusts in afternoon decreasing to light near midnight.
6. Sunny. Temperatures below normal. Light winds.
7. Becoming mostly cloudy mid-morning with few flurries late morning. Temperatures near normal. Light winds increasing to moderate gusty near noon decreasing to light early evening.
8. Cloudy with afternoon flurries. Temperatures near normal. Light winds.
9. Becoming mostly sunny early morning. Temperatures normal. Light winds becoming moderate with few gusts mid-afternoon.
10. Mostly sunny with afternoon cloudy periods. Temperatures well below normal. Moderate gusty winds decreasing to light mid-evening.
11. Mostly cloudy. Temperatures below normal. Light winds.
12. Sunny. Temperatures near normal. Light winds.
13. Partly cloudy. Temperatures slightly below normal. Light winds.
14. Cloudy with early morning flurries. Temperatures slightly below normal. Light winds increasing to moderate gusty mid-morning decreasing to light mid-evening.
15. Mostly cloudy with morning flurries. Temperatures slightly below normal. Light winds increasing to moderate mid-morning.
16. Mostly cloudy. Temperatures well below normal. Moderate winds with strong gusts decreasing to light early evening.
17. Mostly sunny. Temperatures above normal. Light winds increasing to moderate gusty late morning decreasing to light early evening.
18. Sunny with blowing dust. Maximum temperature well above normal. Light winds increasing to moderate with strong gusts late morning.
19. Sunny with a few afternoon cloudy periods. Temperatures well above normal. Moderate winds with strong gusts decreasing to light late afternoon.
20. Sunny with late day cloudy periods. Temperatures well above normal. Light winds increasing to moderate late evening.
21. Sunny. Temperatures well above normal. Moderate winds decreasing to light near midnight.
22. Becoming mostly cloudy mid-morning. Thundershowers early afternoon. Temperatures well above normal. Light winds increasing to moderate with strong gusts afternoon and early evening.
23. Partly cloudy. Temperatures well above normal. Moderate winds with gusts late afternoon.
24. Clear with early morning fog becoming cloudy late afternoon. Rainshowers near midnight. Temperatures well above normal. Light winds increasing to moderate mid-afternoon.
25. Cloudy with showers and fog. Temperatures near normal. Moderate winds decreasing to light early morning increasing to moderate late afternoon.
26. Cloudy. Temperatures below normal. Moderate winds.
27. Cloudy with morning freezing drizzle and evening snow. Temperatures well below normal. Moderate winds with strong afternoon gusts.
28. Cloudy with freezing rain, ice pellets and snow becoming clear near midnight. Temperatures well below normal. Moderate winds becoming light near midnight.
29. Mostly sunny with morning cloudy periods. Temperatures well below normal. Light winds becoming moderate early afternoon.
30. Mostly sunny with a few cloudy periods. Temperatures well below normal. Moderate winds.