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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS APRIL / AVRIL

1978

AT/A WINNIPEG INT'L AIRPORT / A L'AEROPORT INTERN DE WINNIPEG, MANITOBA

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: 786		FEET (ASL) PIEDS (MER)		STANDARD TIME USED: CENTRAL		HEURE NORMALE UTILISÉE:									
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	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION				
	°C	°C	°C	BASE 18°C	BASE 5°C	%	%		mm	cm	mm		km/h		km/h		HOURS HEURES		
1	-2.4	-10.4	-6.4	24.4	0.0	87	72			Tr.	Tr.	Tr.	28.4	N	NNW 48	10.3			
2	-0.5	-4.0	-2.3	20.3	0.0	94	69					Tr.	29.2	SE	SE 35	0.2			
3	1.8	-2.5	-0.4	18.4	0.0	94	80	Tr.	Tr.	Tr.	2	16.2	S	SSE 22*	0.0				
4	3.0	-3.2	-0.1	18.1	0.0	93	63					Tr.	20.5	NW	NW 31	7.2			
5	4.0	-3.2	0.4	17.6	0.0	91	61	13.2		13.2		Tr.	24.0	SSE	SE 33	0.0			
6	7.7	-5.6	1.1	16.9	0.0	97	67	4.4	0.2	4.6		Tr.	36.2	NW	NW 57	3.3			
7	-1.0	-9.1	-5.1	23.1	0.0	88	62					Tr.	19.3	N	NNW 30*	11.8			
8	3.9	-5.0	-0.6	18.6	0.0	90	43	0.8	Tr.	0.8		Tr.	22.9	SE	SE 33*	0.4			
9	8.9	0.6	4.8	13.2	0.0	100	66	1.0		1.0		Tr.	21.0	S	SE 31*	1.1			
10	4.3	-0.5	1.9	16.1	0.0	90	65	Tr.	Tr.	Tr.		Tr.	26.2	NW	NW 37*	4.1			
11	3.0	-2.8	0.1	17.9	0.0	89	60			Tr.		Tr.	17.7	NW	NW 26*	8.6			
12	-0.4	-3.5	-2.0	20.0	0.0	92	65			0.9		1	31.4	N, NNW	N 43	3.9			
13	3.3	-2.5	0.4	17.6	0.0	81	60			Tr.		Tr.	20.3	WNW	NW 28	4.4			
14	6.0	-2.6	1.7	16.3	0.0	85	47					Tr.	18.6	NW	NW 31	12.1			
15	5.6	-3.9	0.9	17.1	0.0	92	48					Tr.	13.1	E	NE 20	13.3			
16	10.5	-3.1	3.7	14.3	0.0	82	37					Tr.	19.7	SE, SSE	SE 30	10.2			
17	14.5	3.3	8.9	9.1	3.9	65	36					0	23.1	SSE	S 33	8.5			
18	13.5	-1.0	6.3	11.7	1.3	85	38					0	25.9	N, SE	N 44	9.5			
19	-0.8	-6.2	-3.5	21.5	0.0	84	67			0.3		0	35.3	N	N 41*	0.1			
20	5.8	-6.1	-0.2	18.2	0.0	79	27					Tr.	18.6	NNE	NNE 28	13.3			
21	12.0	-5.9	3.1	14.9	0.0	89	25					0	9.5	S	SSW 20*	13.4			
22	15.1	1.0	8.1	9.9	3.1	78	55					0	20.9	S	S 33*	11.0			
23	16.1	2.8	9.5	8.5	4.5	82	21					0	15.9	SE	E 35*	10.3			
24	17.1	-0.2	8.5	9.5	3.5	87	19					0	15.7	SSE	SE 30	13.5			
25	17.3	2.3	9.8	8.2	4.8	83	36					0	19.2	SSW	WSW 30	5.3			
26	18.0	0.8	9.4	8.6	4.4	97	39					0	14.8	ENE	ENE 22	12.7			
27	21.6	3.7	12.7	5.3	7.7	83	27					0	12.8	S	SSE 24	11.2			
28	22.7	6.3	14.5	3.5	9.5	76	25	Tr.		Tr.		0	17.9	E	ENE 37	8.9			
29	14.6	2.3	8.5	9.5	3.5	78	21					0	26.2	E	E 31*	13.3			
30	16.2	0.1	8.2	9.8	3.2	51	19					0	16.5	ESE	SE 28	14.1			
31																			
MEAN MOYENNE	8.7	-1.9	3.4	438.1	49.4	85	47	TOTAL	TOTAL	TOTAL	TOTAL		21.2	PREVAILING DIRECTION	MAXIMUM	TOTAL			
NORMAL NORMALE	8.6	-1.9	3.3	438.9	60.1			0.7	25.4	11.9	37.3		21.7	SOUTH	60	208.5			
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS										DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS					DAYS WITH SNOWFALL: JOURS AVEC CHÔTE DE NEIGE:				
										TOTALS:					TOTALS:				
										mm					cm				
BELOW 18°C		THIS YEAR	PREVIOUS YEAR	NORMAL	ABOVE 5°C		THIS YEAR	PREVIOUS YEAR	NORMAL	0.2	1.0	2.0	10.0	50.0	0.2	1.0	2.0	10.0	50.0
AU-DESSOUS DE 18°C		ANNÉE EN COURS	ANNÉE PRÉCÉDENTE	NORMALE	AU-DESSOUS DE 5°C		ANNÉE EN COURS	ANNÉE PRÉCÉDENTE	NORMALE	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS
TOTAL FOR MONTH		438.1	321.7	438.9	TOTAL FOR MONTH		49.4	122.7	60.1	7	4	3	1	0	4	1	1	0	0
TOTAL DU MOIS					TOTAL DU MOIS														
ACCUMULATED SINCE JULY 1		5863.2	5527.3	5557.3	ACCUMULATED SINCE APRIL 1		49.4	122.7	60.1	7	4	3	1	0	4	1	1	0	0
DEPUIS LE 1 ^{ER} JUILLET					DEPUIS LE 1 ^{ER} AVRIL														

UDC 551.506.1 () *Indicates more than one occurrence of same speed but not necessarily the same direction.
 YEARLY SUBSCRIPTION RATE: \$12.00 per year - includes monthly and annual
 \$10.00 per year - monthly only
 \$2.00 per year - only annual; \$1.00 individual copies of monthly

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS APRIL / AVRIL										19 78	
Temperature/Température — Celsius Precipitation/Précipitation — Millimètres (mm) Rainfall/Hauteur de pluie — Millimètres (mm) Snowfall/Hauteur de neige — Centimètres (cm) Wind speed/Vitesse du vent — Kilomètres/par heure (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						YEARS OF RECORD ANNÉES D'OBSERVATIONS	
	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU				
						VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE		
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE	22.7	28	29.7	30	22.2	33.9	29	1952	11.1	20	1956	107	
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE	-10.4	1	-11.1	5	-13.3	-3.9	5	1878	-27.8	3	1932	107	
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	3.4		7.4		3.3	9.4		1915	-2.8		1893	107	
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE	19.4		4.7		25.4	138.2		1896	N11		1907	107	
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	3.4		1.4		11.9	44.5		1872	N11	(Several)		107	
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	22.8		5.2		37.3	143.3		1896	2.0		1949	107	
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE	7		5		8	17		1924	3	(Several)		95	
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	13.2	5	3.6	17		36.6	30	1896				107	
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	2.0	2	1.4	5		33.0	12	1872				107	
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	*13.2	5	3.6	17		43.2	27	1892				107	
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES	0.7	5	1.0	17		3.3	14	1976				15	
10 MINUTES	1.1	5	1.5	17		5.6	14	1976				15	
15 MINUTES	1.6	5	2.0	17		6.6	14	1976				15	
30 MINUTES	3.2	5	2.0	17		7.9	18	1971				15	
60 MINUTES	5.5	5	3.3	17		13.0	19	1961				15	
24 CONSECUTIVE HOURS HEURES CONSECUTIVES	17.4	5-6	3.6	17		43.2	27	1892				107	
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)	21.2		21.0		21.7	26.2		1943	13.8		1972	58	
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)	NW57	6	W 56	30	60	NW81	13	1964				40	
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)	NW67	6	WSW80	30	83	N106	3	1963				35	
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION	236.0		279.8		208.5	305.5		1900	118.6		1924	79	
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)	98.78		98.70		98.58	99.08		1944	98.10		1955	40	
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)	100.27	15	100.37	24	100.20	100.96	12	1950				40	
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)	96.41	12	97.03	30	96.72				95.24		1963	40	
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES										YEARS DERNIÈRE ANNÉES			
YEAR ANNÉE	MAXIMUM TEMP. MAXIMALE	MINIMUM TEMP. MINIMALE	MEAN TEMP. MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP. TOTALE	MEAN WINDSPEED VITESSE MOYENNE DES VENTS	MAXIMUM WINDSPEED VITESSE MAXIMALE DES VENTS	HOURS SUNSHINE HEURES INSOLATION	HEATING DEGREE-DAYS DEGRÉS-JOURS DE CHAUFFE	GROWING DEGREE-DAYS DEGRÉS-JOURS DE CROISSANCE		
1969	21.1	-17.8	5.9	25.4	Tr.	25.4	19.6	NE 47	272.6	360.0	84.4		
1970	14.4	-21.7	1.4	18.3	35.1	65.3	21.2	WNW 56	140.5	493.3	17.8		
1971	20.0	-16.7	3.2	45.0	16.3	60.2	21.1	NNW 55	209.3	439.4	43.9		
1972	22.8	-16.7	3.2	10.9	2.3	13.0	13.8	S 42	210.4	441.1	53.3		
1973	21.1	-12.2	2.2	20.1	1.5	21.1	20.1	NW 48	221.2	470.0	23.9		
1974	25.0	-18.3	1.8	50.0	9.1	58.7	18.5	S 55	233.1	483.3	36.7		
1975	18.0	-25.4	2.2	42.0	3.6	45.9	18.4	SE 56	167.7	473.2	32.7		
1976	22.8	- 7.2	6.0	29.3	2.3	31.6	17.2	E 44	280.3	362.3	53.0		
1977	29.7	-11.1	7.4	4.7	1.4	5.2	21.0	W 56	279.8	321.7	122.7		
1978	22.7	-10.4	3.4	19.4	3.4	22.8	21.2	NW 57	236.0	438.1	49.4		

CLIMATOLOGICAL SUMMARY FOR APRIL 1978AT WINNIPEG, MANITOBA

April was sunnier and drier than usual. Sunshine totalled 236 hours or 27.5 hours more than normal for April.

Precipitation amounted to 22.8 mm. It came on seven days as 19.4 mm of rain and 3.4 CM of snow, compared to normal precipitation of 25.4 mm of rain and 11.9CM of snow.

Temperatures averaged right on normal at 3.4 degrees with afternoon highs averaging 8.7 and overnight lows -1.9. April 1 was the coldest day at -10.4 and April 28 was the warmest at 22.7 degrees.

DAILY WEATHER SUMMARY FOR APRIL 1978AT WINNIPEG, MANITOBA

1. Below normal temperatures. Snow to 3:20 a.m. Ice crystals 8:30 a.m. to 10:02 a.m. Moderate winds. Gusty NNW winds in the morning.
2. Near normal temperatures. Snow 11:10 a.m. to 11:35 a.m., 1:49 p.m. continued. Visibility restricted. Moderate winds. Gusty SE wind in morning.
3. Above normal temperatures. Cloudy. Snow to 03:10 a.m., 4:20 p.m. to 5:30 p.m. Rain 5:40 p.m. to 7:30 p.m. Light winds.
4. Above normal temperatures. Mostly sunny. Moderate winds. Gusty NW wind in the morning.
5. Near normal temperatures. Cloudy. Rain or showers 12:22 p.m. continued. Moderate winds. Gusty SE wind in evening. Visibility restricted in heavy showers. Some basements flooded.
6. Above normal temperatures. Mostly cloudy. Showers to 4:34 a.m., 11:39 a.m. to 2:25 p.m. Snow 2:14 p.m. to 11:10 p.m. Visibility restricted in light fog in morning and snow in the evening. Moderate winds. Gusty NW winds in afternoon.
7. Below normal temperatures. Mostly sunny. Mostly light winds but gusty north wind in morning.
10:26 p.m.
8. Below normal temperatures. Rain 5:27 p.m. to 8:42 p.m. continued. Ice pellets 5:42 p.m. to 5:49 p.m. Moderate winds. Gusty SE wind in afternoon.
9. Above normal temperatures. Mostly cloudy. Rain to 5:10 a.m. Drizzle 02:25 to 9:00 a.m. Light fog in morning. Visibility restricted. Moderate winds. Gusty SSE wind in early morning.
10. Near normal temperatures. Partly cloudy. Snow flurries 8:05 a.m. to 11:20 a.m., 1:33 p.m. to 5:40 p.m. Snow pellets 1:05 p.m. to 4:07 p.m. Rain showers 10:53 a.m. to 11:35 a.m. Visibility restricted in flurries. Moderate winds. Gusty NW wind in the afternoon.
11. Below normal temperatures. Mostly sunny. Snow 9:38 p.m. continued. Light wind except gusty NW wind in early morning.
12. Below normal temperatures. Partly cloudy. Snow to 6:45 a.m. Moderate winds. Gusty ENE wind in morning. Visibility restricted in snow.
13. Below normal temperatures. Partly cloudy. Snow 7:37 a.m. to 4:35 p.m. Snow pellets 11:57 a.m. to 2:14 p.m. Moderate winds. Gusty NW wind in afternoon.
14. Below normal temperatures. Sunny. Mostly light winds but gusty NW wind in afternoon.
15. Below normal temperatures. Sunny. Mostly light winds but gusty NE wind in afternoon. Smoke over the city in the morning.
16. Mild. Mostly sunny. Light winds except gusty SSE wind in afternoon.
17. Above normal temperatures. Mostly sunny. Moderate winds. Gusty south wind in the afternoon.
18. Above normal temperatures. Sunny becoming cloudy late afternoon. Moderate winds gusty north wind in the evening.
19. Cool. Cloudy. Snow or flurries 8:35 a.m. to 10:20 a.m., 2:20 p.m. to 5:18 p.m. Visibility restricted. Moderate winds. Blowing snow 9:45 a.m. to 9:50 a.m. Gusty north wind in morning.
20. Below normal temperatures. Sunny. Gusty NE wind in morning, otherwise light winds.
21. Below normal temperatures. Sunny. Smoke over the city in morning. Light winds.
22. Above normal temperatures. Mostly sunny. Moderate winds. Gusty SSE wind in the afternoon.
23. Above normal temperatures. Mostly sunny. Light winds except gusty ESE wind in the afternoon.
24. Above normal temperatures. Mostly sunny. Light winds except gusty SE wind in the afternoon.
25. Above normal temperatures. Partly cloudy. Light winds except gusty WSW wind in the afternoon.
26. Above normal temperatures. Sunny. Light winds except gusty ENE wind in the afternoon.
27. Warm. Partly cloudy. Light winds except gusty SSE wind in the afternoon.
28. Warm. Partly cloudy. Showers 9:28 p.m. to 9:36 p.m. Light winds except gusty NE wind in the afternoon.
29. Above normal temperatures. Sunny. Moderate winds. Gusty east wind in afternoon.
30. Above normal temperatures. Sunny. Light winds except gusty ESE wind in the morning.

ALL TEMPERATURES IN DEGREES CELSIUS

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.	-6.7	-6.7	-7.3	-8.0	-9.0	-9.5	-9.5	-10.0	-9.7	-9.1	-8.1	-7.9	-7.1	-5.4	-5.7	-4.1	-3.2	-3.1	-3.4	-3.6	-3.7	-3.3	-2.5	-2.5
2.	-3.1	-3.5	-3.5	-4.0	-4.0	-3.5	-3.2	-3.2	-2.8	-2.5	-2.3	-2.1	-1.2	-0.5	-0.6	-1.4	-1.4	-0.9	-0.9	-1.2	-1.6	-1.6	-1.9	-2.1
3.	-2.3	-2.4	-2.4	-2.5	-2.5	-2.2	-2.0	-2.0	-1.6	-0.6	-0.5	-0.4	0.1	0.5	0.6	1.0	1.1	1.4	1.1	0.9	0.8	0.8	0.5	0.9
4.	1.8	2.0	2.0	1.7	1.3	0.6	0.5	0.2	0.0	0.6	1.0	1.5	1.0	1.8	1.5	2.4	2.3	1.9	1.4	0.4	-0.6	-1.2	-1.7	-2.5
5.	-3.2	-3.0	-2.0	-1.8	-1.8	-1.5	-1.6	-1.0	0.0	0.9	1.6	2.5	3.0	3.0	3.0	3.8	2.9	2.7	3.3	3.0	3.0	3.7	2.8	2.6
6.	2.8	2.9	3.1	3.0	2.8	2.8	2.4	2.5	4.1	5.7	7.0	7.4	6.1	6.0	2.9	0.4	-1.1	-1.8	-2.3	-2.9	-4.1	-4.6	-4.7	-5.4
7.	-5.6	-5.8	-6.3	-6.9	-7.3	-8.4	-8.9	-8.9	-8.6	-8.0	-7.5	-7.6	-7.3	-5.3	-4.9	-3.1	-3.2	-1.6	-1.4	-2.0	-3.1	-3.5	-3.9	-4.1
8.	-4.6	-4.7	-4.2	-3.3	-2.7	-2.5	-2.3	-1.9	-0.9	0.0	1.3	1.3	3.0	3.0	3.3	3.6	3.8	3.4	2.8	3.0	2.8	2.2	2.5	2.3
9.	1.3	1.0	0.8	0.9	0.9	0.7	0.8	0.7	1.1	1.4	1.8	2.0	2.5	4.5	6.2	7.0	7.5	8.2	8.3	6.2	4.1	4.5	3.4	2.4
10.	2.3	3.3	2.8	2.2	2.3	1.1	1.0	1.2	1.9	1.0	2.3	2.3	3.2	3.8	2.4	2.4	1.6	0.0	0.5	-0.2	-0.5	-0.5	-0.3	-0.3
11.	0.0	-1.4	-1.4	-1.7	-1.8	-1.9	-2.2	-2.8	-2.0	-1.4	-1.1	-0.9	-0.5	0.9	1.4	0.8	2.2	1.8	2.0	1.5	1.6	1.3	0.6	0.5
12.	-0.5	-0.9	-1.2	-2.0	-1.9	-2.6	-2.7	-2.9	-3.0	-2.8	-2.2	-2.2	-1.4	-1.0	-2.2	-2.5	-2.0	-1.5	-2.5	-2.6	-3.0	-2.8	-3.2	-3.2
13.	-2.5	-2.3	-2.1	-1.9	-1.6	-1.1	-1.1	-1.0	-0.5	1.2	1.9	2.4	2.6	2.6	2.6	2.8	2.6	2.5	2.0	1.6	1.3	0.8	0.8	0.5
14.	-0.3	-1.1	-1.5	-1.6	-2.1	-2.2	-1.2	-1.2	0.2	2.1	3.1	3.7	3.7	4.6	4.7	5.3	4.7	5.0	4.8	2.9	1.7	1.3	0.0	-0.2
15.	-1.0	-2.4	-3.3	-2.6	-3.4	-3.4	-3.4	-2.0	-0.6	0.2	1.0	2.3	2.7	3.2	3.8	5.2	5.0	5.3	5.0	4.1	1.6	0.6	-0.2	-0.9
16.	-1.0	-1.7	-1.8	-2.4	-2.6	-2.9	-2.5	-0.5	1.9	4.0	6.0	7.0	8.0	8.2	9.0	9.5	9.5	9.9	9.5	7.7	6.7	6.0	5.3	5.0
17.	4.3	4.4	4.5	3.7	3.7	4.1	4.2	3.9	4.9	7.0	9.0	11.5	11.5	11.8	14.2	14.5	13.6	13.1	12.4	9.8	7.4	6.1	8.2	7.3
18.	6.8	4.4	4.5	2.8	2.5	1.0	0.8	3.9	6.1	7.2	9.4	10.3	12.5	13.5	11.7	10.2	8.6	5.8	4.4	3.6	2.5	0.6	-0.6	-0.8
19.	-0.8	-1.3	-1.6	-2.2	-3.0	-4.3	-4.9	-5.1	-5.4	-5.9	-4.9	-4.7	-4.7	-5.2	-5.6	-5.9	-5.0	-3.6	-2.2	-1.6	-1.8	-1.6	-1.5	-1.9
20.	-2.2	-3.0	-4.2	-4.4	-4.8	-6.1	-5.7	-4.4	-3.4	-1.5	-0.5	0.0	1.7	2.4	3.8	3.7	4.9	5.2	4.8	3.2	0.5	0.8	-1.8	-2.2
21.	-3.0	-4.3	-5.0	-4.6	-5.2	-5.7	-4.8	-1.5	2.4	4.1	5.2	7.0	9.0	9.0	10.5	10.3	11.2	11.2	11.0	8.8	7.0	4.4	4.2	1.7
22.	3.2	1.0	2.2	1.3	2.4	2.4	2.6	4.5	6.1	8.9	10.4	12.5	14.1	14.8	14.8	14.6	14.9	14.4	13.6	12.3	9.4	8.8	7.5	6.4
23.	5.0	5.0	4.4	4.8	3.8	3.3	3.1	4.4	6.3	7.6	10.0	12.6	13.5	14.3	15.0	15.3	15.2	14.6	13.9	12.0	11.1	10.6	9.3	4.6
24.	3.9	4.8	3.5	2.0	0.6	0.5	0.6	3.0	7.0	10.0	12.1	13.0	14.0	14.9	15.9	16.1	16.1	16.7	16.0	14.1	11.2	10.7	9.9	8.9
25.	7.5	5.8	4.7	4.3	2.7	2.7	3.0	4.5	7.2	10.0	12.2	14.9	15.9	16.3	17.0	16.7	15.9	16.5	16.0	14.6	13.1	12.0	10.2	9.3
26.	8.9	7.2	6.2	4.8	3.8	0.8	2.2	5.8	7.5	11.0	12.5	13.5	15.4	15.5	16.5	17.0	16.5	16.5	15.6	13.7	10.7	9.6	8.0	7.9
27.	7.0	6.5	4.5	5.0	5.8	6.0	6.8	8.8	11.0	15.8	18.8	19.5	20.6	20.9	21.1	21.2	21.4	21.3	20.3	18.1	14.6	12.9	13.9	10.8
28.	10.0	8.6	8.8	7.5	7.2	6.4	6.4	11.5	14.8	18.0	20.3	20.4	21.6	20.8	21.2	21.1	20.4	19.6	18.0	16.5	16.3	15.1	13.2	11.4
29.	9.0	7.2	6.2	5.5	4.6	3.5	2.8	3.0	4.3	5.4	6.9	9.1	10.6	12.8	12.9	13.8	14.0	13.6	12.9	11.0	9.1	7.6	6.6	5.5
30.	5.1	3.9	3.2	2.1	1.0	0.5	1.0	2.5	4.5	6.6	9.0	11.2	13.0	13.3	15.5	14.9	15.1	15.6	15.1	13.8	11.0	8.3	9.8	6.4

MEAN	1.4	0.8	0.5	0.1	-0.2	-0.6	-0.5	0.4	1.4	3.2	4.5	5.4	6.2	6.8	7.1	7.2	7.1	7.1	7.1	6.7	5.6	4.3	3.7	3.2	2.3
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HOURLY METEOROLOGICAL TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF APRIL

LOCAL STANDARD TIME

ALL TEMPERATURES IN DEGREES CELSIUS

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.	-7.5	-7.6	-7.9	-8.6	-9.5	-10.0	-10.0	-10.5	-10.3	-9.7	-8.7	-8.7	-7.9	-6.1	-6.6	-5.2	-4.5	-4.3	-4.3	-4.5	-4.5	-3.9	-3.4	-3.3
2.	-3.6	-4.5	-4.5	-4.5	-4.8	-4.5	-4.2	-4.2	-3.5	-3.7	-3.8	-3.6	-2.9	-2.0	-1.7	-1.9	-1.8	-1.3	-1.3	-1.6	-2.0	-1.9	-2.2	-2.3
3.	-2.5	-2.6	-2.6	-2.8	-2.8	-2.5	-2.3	-2.3	-2.0	-1.6	-1.6	-1.4	-0.9	-0.4	-0.2	0.0	0.3	0.6	0.8	0.8	0.5	0.5	0.2	0.6
4.	1.4	1.3	1.2	0.8	0.4	0.2	0.0	-0.4	-0.9	-0.7	-0.9	-0.5	-0.8	0.3	0.0	0.0	0.0	-0.1	-0.6	-1.2	-2.1	-2.5	-2.6	-3.4
5.	-3.8	-3.6	-3.0	-2.8	-2.8	-2.5	-2.6	-1.8	-1.5	-0.3	0.0	0.1	0.5	0.8	1.0	2.0	1.7	1.7	1.8	1.6	1.5	2.2	1.8	1.8
6.	2.2	2.4	2.5	2.3	2.0	2.1	2.2	2.0	3.0	3.6	4.5	4.9	4.3	4.7	2.3	-0.1	-1.6	-2.7	-3.2	-3.7	-4.9	-5.4	-5.5	-6.3
7.	-6.5	-6.5	-6.8	-7.2	-7.5	-8.6	-9.2	-9.3	-9.2	-8.9	-8.3	-8.6	-8.2	-6.2	-6.2	-4.4	-4.5	-3.1	-3.4	-3.5	-4.2	-4.5	-4.7	-4.9
8.	-5.2	-5.2	-4.7	-3.9	-3.3	-3.4	-3.2	-2.9	-2.1	-1.6	-0.7	-0.7	0.0	-0.3	-0.2	-0.2	-0.2	-0.1	0.3	0.4	0.4	0.5	0.7	
9.	0.7	0.6	0.4	0.6	0.6	0.5	0.5	0.3	0.7	1.2	1.6	1.8	2.5	4.3	5.0	5.0	5.5	5.8	5.5	4.5	3.3	2.9	1.9	1.2
10	1.1	2.3	1.8	1.4	1.6	0.5	0.4	0.4	0.4	0.5	1.3	1.8	1.5	1.5	0.4	0.3	0.4	-0.2	-1.0	-1.2	-1.8	-1.4	-1.4	
11	-1.2	-2.4	-2.2	-2.4	-2.4	-2.5	-2.7	-3.3	-3.1	-2.7	-2.5	-2.7	-2.8	-1.1	-0.5	-1.2	-0.2	-0.7	0.0	-1.0	-0.7	-0.7	-0.2	-0.5
12	-1.3	-1.9	-2.2	-2.5	-2.4	-3.0	-3.0	-3.8	-4.2	-3.7	-3.1	-3.4	-2.6	-2.1	-3.5	-3.7	-3.4	-3.0	-4.2	-4.0	-4.0	-4.0	-4.2	-4.2
13	-3.7	-3.4	-3.5	-3.0	-2.7	-2.4	-2.4	-2.1	-1.8	-1.1	-0.7	-0.4	-0.2	-0.1	-0.1	0.5	0.3	0.0	0.0	0.0	-0.5	-0.8	-0.8	-0.8
14	-1.5	-2.1	-2.3	-2.3	-2.4	-2.8	-3.0	-2.1	-1.5	-0.2	0.2	0.4	0.6	1.1	1.0	1.5	1.1	1.2	1.2	0.3	-0.7	-0.9	-1.9	-2.0
15	-2.2	-2.9	-3.7	-3.4	-4.0	-4.2	-4.1	-3.1	-2.6	-1.6	-1.7	-0.7	-0.2	0.1	0.8	1.9	1.2	1.7	1.3	1.1	-0.1	-0.6	-0.8	-1.3
16	-1.9	-2.7	-2.8	-3.2	-3.5	-3.8	-3.6	-1.9	-0.3	1.0	2.0	2.5	3.5	3.2	4.0	4.0	4.0	4.5	4.5	3.6	3.0	2.4	2.0	1.7
17	1.3	1.2	1.2	0.8	0.8	1.1	1.1	1.2	1.9	3.4	4.7	6.7	6.5	6.8	8.2	8.0	7.0	6.6	6.3	5.5	4.0	3.5	3.6	2.9
18	3.4	1.0	1.3	0.2	-0.1	-1.2	-1.3	0.8	1.8	2.2	4.1	5.0	6.7	8.0	7.4	7.5	4.8	4.0	2.0	1.6	0.5	-0.8	-1.6	-1.6
19	-1.8	-2.2	-2.4	-3.2	-3.9	-5.1	-5.7	-5.9	-6.3	-6.7	-6.7	-6.0	-6.1	-6.3	-6.5	-6.4	-5.5	-4.8	-3.6	-2.8	-3.1	-2.9	-3.0	-3.1
20	-3.5	-4.1	-5.1	-5.3	-5.6	-6.8	-6.6	-5.6	-4.8	-3.5	-3.0	-3.3	-2.2	-1.9	-1.2	-1.5	-0.2	-0.5	-0.5	-1.4	-2.3	-3.3	-4.0	-4.2
21	-4.7	-5.1	-5.5	-5.1	-5.6	-6.0	-5.1	-2.6	-1.2	-0.7	1.1	1.1	2.9	3.0	3.7	3.7	4.5	4.4	4.5	3.0	2.6	1.8	1.5	0.3
22	0.6	-0.6	0.0	-0.5	0.6	0.8	1.2	2.5	3.7	5.3	6.1	7.1	7.9	8.0	8.1	7.9	8.0	7.5	7.3	6.8	5.4	5.2	4.4	3.0
23	2.5	2.1	1.8	2.0	1.5	1.7	1.9	2.8	3.2	3.5	5.0	6.0	6.5	6.5	6.5	7.1	6.3	5.9	6.0	5.2	4.9	4.7	4.4	2.5
24	1.9	3.0	2.0	0.8	-0.3	-0.3	-0.8	1.0	3.3	4.8	6.0	5.6	6.2	6.5	6.8	6.8	6.6	7.2	6.6	5.6	4.5	4.8	4.6	4.0
25	3.1	2.1	1.2	1.1	0.4	0.4	1.2	3.3	5.4	7.1	8.4	9.5	10.0	9.6	9.8	9.4	9.4	9.6	9.5	8.9	8.4	8.0	7.2	6.8
26	6.5	3.4	3.8	3.3	3.0	0.5	2.0	4.5	5.3	7.1	7.8	8.4	9.0	8.0	9.5	10.1	9.5	9.9	9.3	8.3	6.8	6.6	5.4	5.4
27	4.9	4.5	3.0	3.8	4.3	4.2	4.8	6.5	8.2	10.3	11.1	10.5	10.9	11.0	11.1	11.2	11.7	11.6	11.3	10.6	8.9	8.1	8.6	7.3
28	7.0	6.0	6.4	5.3	5.0	4.6	4.6	8.5	9.0	10.4	11.3	10.5	11.4	10.9	11.0	11.9	11.1	10.5	10.3	10.3	10.1	9.4	8.5	7.1
29	5.5	4.2	4.6	3.2	2.2	1.2	0.5	0.5	1.2	1.8	2.8	4.2	5.0	6.3	6.0	5.5	5.4	5.3	4.9	4.0	2.6	1.8	1.2	0.4
30	0.1	-0.6	-1.1	-1.5	-2.1	-2.5	-2.1	-1.1	0.2	1.8	3.5	4.7	5.4	5.4	6.6	5.9	6.0	6.5	6.2	6.0	4.5	3.8	3.0	1.9

MEAN	-0.2	-0.7	-0.9	-1.1	-1.3	-1.7	-1.6	-0.9	-0.1	0.6	1.3	1.7	2.2	2.7	2.8	2.9	2.8	2.8	2.8	2.6	2.1	1.4	1.1	0.8	0.3
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INTERNATIONAL AIRPORT FOR THE MONTH OF APRIL 1978

ALL TIMES ARE C.S.T. VELOCITY IN KILOMETERS PER HOUR

STARTING 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	PEAK GUSTS	HOUR
1	NNW 48	N 46	N 46	N 41	N 33	N 30	N 30	N 31	N 30	N 30	NNE 28	NNE 22	NNE 20	N 24	ENE 24	ENE 20	ENE 19	ENE 17	N 17	ENE 17	ENE 20	E 19	SE 26	SE 20	NNW56	02 CST
2	SE 30	SE 31	SE 33	SE 30	SE 31	SE 31	SE 31	SE 31	SE 31	SE 31	SE 31	SE 31	SSE 30	SSE 30	SSE 31	SSE 28	SSE 26	SSE 26	SSE 26	SSE 28	SSE 26	SSE 26	SSE 26	SSE 22	SE 46	09 CST
3	SSE 22	SSE 19	SSE 15	SSE 13	SSE 9	SSE 6	SSE 13	SSE 9	SSE 13	SSE 19	SSE 17	SSE 17	SSE 17	SSE 19	SSE 15	SSE 22	SSE 22	SSE 22	SSE 19	SSE 22	SSE 17	SSE 17	SSE 17	SSE 17		
4	W 17	W 20	W 22	W 24	W 28	W 22	W 24	W 28	W 24	W 28	W 26	W 30	W 30	W 30	W 22	W 22	W 22	W 17	N 17	W 17	E 11	ESE 9	SSE 11	S 9	NW 35	11 CST
5	SSE 11	SSE 15	SSE 19	SSE 19	SSE 22	SSE 24	SSE 28	SSE 24	SSE 28	SSE 31	SSE 31	SSE 33	SSE 30	SSE 24	SSE 24	SSE 28	SSE 28	SSE 28	SSE 28	SSE 28	SSE 19	SSE 28	SSE 28	SSE 28	SE 43	22 CST
6	SSE 31	SSE 35	SSE 41	SSE 37	SSE 39	SSE 30	SSE 28	SSE 20	SSE 20	SSE 24	SSE 26	SSE 31	SSE 28	SSE 26	SSE 44	SSE 57	SSE 52	SSE 52	SSE 52	SSE 44	SSE 43	SSE 41	SSE 41	SSE 28	NW 67	17 CST
7	NNW 30	NNW 30	NNW 24	NNW 26	NNW 26	NNW 22	NNW 20	NNW 22	NNW 20	NNW 15	NNW 20	NNW 20	NNW 20	NNW 17	NNW 17	NNW 17	NNW 13	NNW 13	NNW 13	NNW 13	NNW 13	NNW 15	NNW 15	NNW 9	N 33	05 CST
8	ESE 7	ESE 7	ESE 15	ESE 17	ESE 17	ESE 19	ESE 20	ESE 22	ESE 22	ESE 26	ESE 24	ESE 24	ESE 30	ESE 28	ESE 33	ESE 33	ESE 31	ESE 31	ESE 31	ESE 26	ESE 24	ESE 20	ESE 22	ESE 19	SE 44	16 CST
9	SE 31	SE 31	SE 30	SE 30	SE 28	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SE 26	SSE37	04 CST
10	W 17	W 19	W 20	W 15	W 15	W 19	W 20	W 19	W 20	W 24	W 31	W 35	W 33	W 31	W 33	W 37	W 31	W 37	W 37	W 33	W 31	W 28	W 19	W 22	NW 46	14 CST
11	NW 22	NW 19	NW 22	NW 26	NW 26	NW 24	NW 20	NW 19	NW 15	NW 13	NW 15	NW 13	NW 15	NW 19	NW 13	NW 13	NW 11	NW 11	NW 6	NW 0	NW 17	NW 22	NW 22	NW 22	NW 32	03 CST
12	E 26	E 30	E 31	E 37	E 37	E 35	E 31	E 33	E 39	E 33	E 39	E 43	E 39	E 39	E 35	E 33	E 33	E 33	E 33	E 24	E 19	E 17	E 13	E 13	ENE50	05 CST
13	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	NW 35	13 CST
14	W 17	W 19	W 19	W 17	W 15	W 13	W 13	W 17	W 17	W 15	W 20	W 24	W 26	W 31	W 30	W 28	W 22	W 19	W 17	W 13	W 15	W 13	W 15	W 11	NW 37	13 CST
15	NNE 2	NNE 11	NNE 13	NNE 9	NNE 9	NNE 11	NNE 13	NNE 17	NNE 15	NNE 13	NNE 15	NNE 13	NNE 19	NNE 15	NNE 20	NNE 15	NNE 11	NNE 15	NNE 17	NNE 13	NNE 15	NNE 13	NNE 9	NNE 9	NE 33	15 CST

