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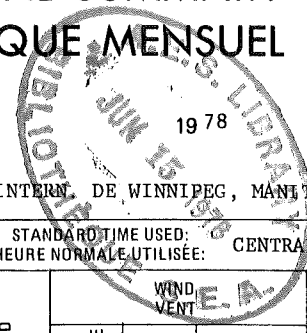
Environnement  
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# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS MAY / MAI

1978

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



LAT: 49 ° 54 ' N			LONG: 97 ° 14 ' W			ELEVATION: 786 METRES (ASL) ALTITUDE: 786 MÈTRES (NMM)		STANDARD TIME USED: CENTRAL HEURE NORMALE UTILISÉE:										
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 HEURES		
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. PRÉCIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION			
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	%	%	mm	cm	mm	cm	km/h		km/h	HOURS HEURES			
1	17.8	1.0	9.4	8.6	4.4	50	18					14.3	SSE	SSE 20	14.0			
2	23.5	5.6	14.6	3.4	9.6	53	20					20.1	S	SW 28	10.9			
3	22.0	5.9	14.0	4.0	9.0	70	21					26.3	S	S 37*	13.7			
4	23.3	7.6	15.5	2.5	10.5	60	22					19.8	S	S 31	12.3			
5	23.9	6.5	15.2	2.8	10.2	78	24		0.2	0.2		10.6	calm	NNE 28*	7.6			
6	22.2	6.4	14.3	3.7	9.3	78	24					18.0	SE	SE 28	14.1			
7	16.3	7.4	11.9	6.1	6.9	61	35		Tr.	Tr.		20.3	SSE	SSE 26*	0.4			
8	10.3	5.7	8.0	10.0	3.0	95	64		22.8	22.8		24.5	NE	NNE 41	0.0			
9	15.8	1.1	8.5	9.5	3.5	94	33					18.1	NW	NW 26	12.9			
10	14.7	7.4	11.1	6.9	6.1	95	57	1	4.2	4.2		23.1	NE,S	NE 37	0.8			
11	16.2	3.6	9.9	8.1	4.9	95	35					22.1	NNW	ENE 31	8.5			
12	12.8	-0.1	6.4	11.6	1.4	85	26					21.3	NE	NNE 31	7.5			
13	19.0	-1.1	9.0	9.0	4.0	85	19					8.3	WNW	NW 17	14.6			
14	22.0	4.8	13.4	4.6	8.4	55	11					21.9	SSE	SSE 30	13.2			
15	25.5	10.2	17.9	0.1	12.9	60	24					29.7	SSE	SSE 39	14.7			
16	27.6	13.0	20.3	0.0	15.3	75	29					31.6	S	SSE 43	14.6			
17	28.2	14.1	21.2	0.0	16.2	72	30					24.7	S	SW 33	14.5			
18	25.0	7.2	16.1	1.9	11.1	88	45					20.7	NE,ENE	NE 35*	12.8			
19	12.0	2.4	7.2	10.8	2.2	94	58		12.0	12.0		29.3	NNE	NNE 37*	2.3			
20	20.0	0.0	10.0	8.0	5.0	93	34					13.3	NNW	N 20*	14.6			
21	22.8	7.2	15.0	3.0	10.0	77	28					22.1	S	SW 31	14.9			
22	27.0	12.0	19.5	0.0	14.5	75	45					24.1	SSE	SSE 31	11.8			
23	28.9	16.2	22.6	0.0	17.6	90	49	1	12.8	12.8		17.5	SSW	SSW 24*	6.3			
24	27.4	15.2	21.3	0.0	16.3	87	49	1	0.6	0.6		21.5	S	SSE 33	10.2			
25	26.7	11.7	19.2	0.0	14.2	94	53	1	60.2	60.2		24.2	WNW	N 56	10.1			
26	23.0	13.5	18.3	0.0	13.3	98	50					17.0	WNW	ENE 28*	7.8			
27	24.3	10.0	17.2	0.8	12.2	80	31					16.3	W	WSW 24	14.1			
28	26.0	14.7	20.4	0.0	15.4	79	27					8.5	WSW	E 15	14.8			
29	25.0	9.9	17.5	0.5	12.5	89	35					15.0	SSE	SE 33*	11.6			
30	21.2	8.8	15.0	3.0	10.0	95	43		Tr.	Tr.		21.2	E	E 37	11.3			
31	11.7	6.8	9.3	8.7	4.3	95	78	1	9.0	9.0		32.1	E	E 41	0.0			
MEAN MOYENNE	21.4	7.6	14.5	TOTAL 127.6	TOTAL 294.2	80	36	TOTAL 5	TOTAL 122.6	TOTAL 122.6		20.6	PREVAILING DOMINANTE S	MAXIMUM N 56	TOTAL 316.9			
NORMAL NORMALE	17.1	4.1	10.6	233.3	181.2			2.0	54.6	2.5	57.2	21.1	NNE	58	246.4			
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS JOURS											DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES:				DAYS WITH SNOWFALL: JOURS AVEC CHÔTE 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	mm				cm						
								0.2 OR MORE OU PLUS	1.0 OR MORE OU PLUS	2.0 OR MORE OU PLUS	10.0 OR MORE OU PLUS	50.0 OR MORE OU PLUS	0.2 OR MORE OU PLUS	1.0 OR MORE OU PLUS	2.0 OR MORE OU PLUS	10.0 OR MORE OU PLUS	50.0 OR MORE OU PLUS	
TOTAL FOR MONTH TOTAL DU MOIS	127.6	63.7	233.3	TOTAL FOR MONTH TOTAL DU MOIS	294.2	396.8	181.2	9	6	6	4	1	0	0	0	0		
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 <sup>er</sup> JUILLET	5990.8	5591.0	5790.6	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 <sup>er</sup> AVRIL	343.6	519.5	241.3											

UDC 551.506.1 ( )

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\*Indicates more than one occurrence of same speed, but not necessarily the same direction.

Hail reported - May 23, 25.

COMPARATIVE RECORDS RELEVÉS COMPARATIFS				MONTH MOIS				MAY / MAI			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 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	28.9	23	32.6	13	30.0	37.8	30	1934	21.7	27, 28	1974	107	
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE	-1.1	13	-1.8	7	-4.4	0.6	30	1922	-11.7	2	1907	107	
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	14.5		17.8		10.6	17.8		1977	4.4		1907	107	
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE	122.6		177.7		54.6	177.7		1977	.8		1917	107	
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	Nil		Tr.		2.5	32.5		1931	Nil	(Several)		107	
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	122.6		177.7		57.2	177.7		1977 1974	.8		1917	107	
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE	9		16		9	17		1950	1		1917	95	
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	60.2	25	50.8	4		67.6	11	1911				107	
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	Nil		Tr.	6		21.1	1	1967				107	
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	60.2	25	50.8	4		71.1	11	1911				107	
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES	10.0	25	7.1	4		10.0	25	1975				19	
10 MINUTES	20.0	25	9.4	26		20.0	25	1978				19	
15 MINUTES	24.0	25	10.9	4		24.0	25	1978				19	
30 MINUTES	27.4	25	14.7	4		27.4	25	1978				19	
60 MINUTES	31.6	25	21.6	4		31.6	25	1978				19	
24 CONSECUTIVE HOURS HEURES CONSECUTIVES	60.2	25	56.6	4-5		67.6	11	1911				107	
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)	20.6		21.2		21.1	26.1		1959	14.6		1972 1976	58	
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)	N 56	25	NW56	1	58	NW 80	10	1959				40	
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)	NW70	25	S104	15	85	NW109	10	1959				35	
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION	316.9		286.8		246.4	357.4		1917	126.6		1927	79	
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)	98.42		98.19		98.53	98.92		1961	98.17		1965	40	
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)	99.69	1	99.69	7	100.01	100.54	7	1951				40	
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)	96.82	11	96.38	5	96.61				95.49	5	1950	40	
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES												TEN	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 DEGREES-DAYS DE CHAUFFE	GROWING DEGREES-DAYS DE CROISSANCE		
1969	32.8	-3.9	10.5	76.7	Tr.	76.7	19.0	N 45	288.4	237.8	178.3		
1970	31.1	-5.6	9.3	86.1	0.5	86.6	20.3	NW 53	205.4	268.3	148.9		
1971	27.2	-3.3	10.1	47.0	Nil	47.0	18.7	S 50	326.7	240.6	165.0		
1972	33.3	-3.9	14.6	25.9	3.0	29.0	14.6	SSW43	288.0	132.2	303.3		
1973	27.2	-7.8	10.6	103.1	Tr.	103.1	18.5	N 53	293.4	227.8	179.4		
1974	21.7	-2.2	8.6	155.2	0.8	156.0	17.2	SE 47	202.0	288.3	121.1		
1975	26.7	-0.6	12.2	45.2	2.8	47.5	17.1	S 47	283.8	180.4	225.4		
1976	29.5	-8.2	11.8	10.4	Tr.	10.4	14.6	N 44	356.9	198.4	227.0		
1977	32.6	-1.8	17.8	177.7	Tr.	177.7	21.2	NW 56	286.8	63.7	396.8		
1978	28.9	-1.1	14.5	122.6	Nil	122.6	20.6	N 56	316.9	127.6	294.2		

May was warmer than usual with heavier than normal rainfall; but it was one of the sunniest on record. Sunshine totalled 316.9 hours, which was exceeded only in 1976 with 356.9 hours and 1917 with 357.4 hours.

Normal rainfall for May is 54.6 mm, but more than that amount fell in six hours on May 25 and a record 24 mm fell in 15 minutes. Total rainfall for May amounted to 122.6 mm with hail reported on two days and thunderstorms on 5 days. The thunderstorm on May 25 was severe with cluster hail up to tennis ball size and winds strong enough to uproot trees and knock over power poles.

Temperatures averaged four degrees higher than normal during May and reached a peak of 28.9 on May 23. Overnight lows touched -1.1 on May 13 which is the last date with frost.

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DAILY WEATHER SUMMARY FOR MAY 1978AT WINNIPEG, MANITOBA

1. Near normal temperatures. Sunny. Light winds.
2. Above normal temperatures. Mostly sunny. Light winds except gusty SSW wind in the afternoon.
3. Above normal temperatures. Sunny. Moderate winds. Gusty S wind in the afternoon.
4. Warm. Mostly sunny. Mostly light winds, but gusty S wind in the afternoon.
5. Warm. Partly cloudy. Showers 8:25 a.m. to 11:28 a.m., 4:37 p.m. to 4:58 p.m. Light winds except gusty N wind in the afternoon.
6. Warm. Sunny. Light winds except gusty SE wind in the evening.
7. Above normal temperatures. Cloudy. Showers 8:25 p.m. continued. Moderate winds. Gusty NNE wind in the evening.
8. Below normal temperatures. Cloudy. Showers or rain to 11:16 p.m. Moderate winds. Gusty NNE wind in the afternoon.
9. Near normal temperatures. Mostly sunny. Light winds but gusty S wind late evening.
10. Above normal temperatures. Cloudy. Thunder 6:25 p.m. to 7:45 p.m. Showers 2:48 a.m. to 2:40 p.m., 6:25 p.m. to 11:37 p.m., drizzle 11:37 p.m. to 11:48 p.m. Moderate winds. Gusty NE wind in the evening.
11. Near normal temperatures. Partly cloudy. Drizzle 00:12 a.m. to 4:15 a.m., rain 2:08 a.m. to 4:17 a.m. Moderate winds. Gusty ENE wind in the evening.
12. Below normal temperatures. Partly cloudy. Moderate winds. Gusty N wind in the afternoon.
13. Below normal temperatures. Mostly sunny. Light winds.
14. Above normal temperatures. Mostly sunny. Moderate winds. Gusty SSE wind in the afternoon.
15. Warm. Sunny. Moderate winds. Gusty SSE winds morning and afternoon.
16. Warm. Sunny. Moderate winds. Gusty S winds morning and afternoon.
17. Warm. Sunny. Moderate winds. Gusty SSW wind morning and afternoon.
18. Warm. Sunny. Light north-northeast winds in morning and early afternoon increasing to moderate in the evening.
19. Near normal temperatures. Cloudy. Rain 02:17 to 1:30 p.m. Moderate N winds becoming light in late evening.
20. Sunny. Near normal temperatures. Winds light.
21. Sunny. Near normal temperatures. Mostly light winds but gusty S winds in the afternoon.
22. Warm. Sunny. Moderate S winds, gusty winds noon to 03:00 p.m.
23. Warm. Thunder 2:22 p.m. to 3:46 p.m., 6:09 p.m. continued. Showers 1:14 p.m. continued. Hail 2:42 p.m. to 2:46 p.m. Some power outages. Mostly light winds, but gusty S wind in the evening.
24. Warm. Thunder to 00:10 a.m., 8:50 p.m. continued. Showers to 00:03 a.m. and 7:31 p.m. to 11:50 p.m. Moderate SSW winds in the afternoon otherwise light.
25. Warm. Thunder to 3:11 a.m., 6:12 p.m. to 11:45 p.m. Showers 1:20 a.m. to 4:06 a.m., 6:38 p.m. to 11:25 p.m. Moderate winds. Gusty to 70 km in the morning and evening. Hail 7:03 p.m. to 7:12 p.m. and some hail as big as baseballs, telephones out power outages, basements and subways flooded. Property damage. Unofficial reports of funnel clouds.
26. Above normal temperatures. Partly cloudy. Light fog in the morning. Mostly light winds.
27. Sunny. Warm. Winds light.
28. Sunny. Warm. Winds light.
29. Sunny. Warm. Winds light.
30. Sunny. Above normal temperatures. Rain 11:45 p.m. continued. Moderate winds. Gusty E wind in the evening. Smoke over the city in the morning.
31. Below normal temperatures. Cloudy. Thunder 1:40 a.m. to 1:42 a.m. Rain or drizzle to 6:15 p.m. Drizzle 11:48 p.m. continued. Moderate winds. Gusty E wind in the morning.

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.	5.5	6.5	4.5	5.2	2.8	1.1	1.8	3.6	6.3	8.6	11.5	13.4	14.5	15.1	15.8	16.3	17.0	16.8	16.7	15.1	11.2	10.2	8.6	10.0
2.	8.0	8.4	6.8	7.6	6.2	5.8	5.9	7.7	9.1	14.7	17.9	20.8	20.7	21.6	22.2	22.8	22.5	21.0	20.0	18.5	17.3	14.5	14.5	12.8
3.	11.8	10.2	9.2	8.0	7.8	5.9	6.8	9.8	13.0	15.7	18.5	18.5	20.5	19.6	20.8	21.0	21.0	20.5	20.0	18.4	16.2	14.5	13.0	12.3
4.	12.1	11.0	9.2	9.2	8.9	7.6	8.4	10.6	13.1	15.9	17.4	17.4	20.9	21.1	21.3	22.1	22.3	21.5	20.2	18.5	17.2	16.4	14.5	13.3
5.	9.0	7.0	9.7	8.1	6.6	7.1	7.5	11.5	14.2	16.9	20.2	21.4	21.2	22.7	23.0	22.7	21.1	18.7	20.0	17.4	13.1	12.3	11.7	10.5
6.	8.5	5.7	10.8	9.6	7.5	6.7	6.2	9.8	11.2	13.4	16.5	18.5	19.9	20.5	21.0	21.0	21.5	20.8	20.2	19.0	17.2	15.5	13.8	12.5
7.	12.3	11.2	10.1	9.2	8.1	7.8	8.0	9.7	11.1	12.1	12.8	14.2	14.0	13.6	14.7	15.0	14.4	13.5	13.0	12.5	11.5	11.3	11.5	10.8
8.	10.2	10.0	8.2	7.8	7.0	7.1	7.4	7.1	7.3	7.5	7.4	7.4	7.0	7.2	7.0	7.5	7.4	7.2	7.4	7.4	7.2	7.1	6.9	6.7
9.	5.7	4.4	3.9	2.8	1.7	1.4	1.8	4.0	6.4	7.0	8.0	10.0	10.7	12.1	13.1	14.4	14.9	15.2	15.2	14.5	11.2	12.0	11.6	11.3
10	11.8	10.8	11.2	10.3	10.0	10.0	10.2	11.3	10.2	10.7	11.2	11.9	14.1	14.3	12.8	12.2	11.2	10.6	10.0	8.9	8.0	7.5	7.5	7.8
11	7.8	7.9	7.1	6.8	6.6	6.4	6.5	7.0	8.5	9.6	11.2	12.5	12.5	14.0	13.7	13.7	14.0	14.9	13.3	10.1	6.4	6.4	5.1	3.9
12	3.7	2.0	2.4	1.6	1.6	1.0	1.8	2.8	5.0	6.0	7.5	9.0	9.0	9.5	11.5	11.0	10.9	11.9	12.2	11.5	8.0	5.5	3.7	3.1
13	2.6	2.4	1.3	1.5	-1.0	1.1	1.1	6.5	10.0	11.7	13.5	14.2	15.8	16.0	17.2	17.5	17.5	18.0	18.0	15.9	13.4	12.0	10.6	10.4
14	7.8	8.6	8.3	6.5	7.5	6.4	6.2	9.5	12.8	15.3	17.5	18.3	19.2	20.2	22.0	22.0	21.4	21.1	20.1	18.4	17.5	16.7	15.9	14.4
15	13.1	12.5	12.4	10.8	10.4	10.5	10.7	12.2	14.2	16.6	19.0	20.2	21.7	22.8	23.7	24.6	24.7	24.8	24.0	22.8	21.2	19.6	18.2	16.7
16	16.1	15.4	14.9	13.9	13.4	13.2	14.2	15.6	17.2	19.5	21.2	22.8	24.1	25.1	26.3	26.5	27.1	26.7	26.1	24.9	22.4	20.9	20.4	19.1
17	18.2	17.6	16.4	15.9	15.1	14.2	14.3	14.6	19.4	21.1	22.9	24.4	25.2	25.8	27.1	27.1	27.8	27.2	26.9	25.9	23.9	22.7	19.0	20.1
18	18.7	15.5	15.5	11.8	12.2	10.0	10.5	12.0	14.1	15.9	18.4	19.0	21.6	23.0	24.0	24.0	23.2	21.6	20.3	17.6	14.6	12.8	10.5	8.9
19	7.2	6.9	6.9	6.5	6.1	5.9	6.1	5.2	4.9	5.4	5.1	5.6	5.4	6.4	7.3	9.6	11.2	10.5	11.8	10.3	8.0	5.9	4.6	3.4
20	2.7	2.0	1.5	.8	.0	.0	1.0	5.5	7.5	8.6	10.5	12.8	14.4	15.8	17.4	18.1	19.0	19.4	19.6	18.1	16.0	14.0	12.2	12.8
21	11.0	11.8	10.7	9.2	8.7	7.2	8.2	11.2	14.0	16.4	17.8	18.2	19.3	20.3	21.1	21.9	22.4	22.1	22.0	21.1	19.0	16.0	16.4	14.8
22	14.0	13.7	12.5	12.5	12.8	13.5	13.4	15.8	17.3	19.5	20.0	22.7	24.1	25.4	25.5	25.9	26.2	26.0	25.5	23.4	22.2	20.7	19.4	19.1
23	18.6	17.6	17.0	17.5	17.3	16.6	16.8	18.8	20.1	21.9	24.0	24.5	25.7	26.0	28.5	20.8	22.3	21.6	20.3	22.1	19.7	19.5	17.2	17.0
24	16.2	16.5	16.0	15.4	15.2	15.4	15.9	17.2	19.8	21.6	22.4	23.4	24.8	25.3	25.6	25.9	26.1	27.3	26.2	25.5	23.6	21.9	19.9	20.7
25	20.2	20.6	19.1	17.7	16.2	16.7	16.1	16.7	19.3	20.7	21.7	23.4	24.6	25.4	25.5	25.6	26.3	26.3	25.1	22.2	15.3	15.7	14.8	14.4
26	14.7	14.6	14.5	14.2	13.6	13.9	14.8	14.7	14.9	15.2	16.5	18.0	19.5	22.3	21.3	21.3	21.2	22.0	22.0	20.2	19.5	17.0	15.7	14.7
27	14.6	13.5	12.5	11.4	10.8	10.5	12.2	14.8	16.8	18.6	19.5	21.1	22.0	22.7	22.8	22.6	23.4	23.5	22.6	22.4	20.3	19.3	17.7	17.3
28	15.5	13.7	13.6	12.0	12.6	11.9	13.8	16.7	17.5	19.7	21.9	23.2	24.1	25.2	24.9	25.0	25.5	24.5	-25.5	23.2	22.0	19.5	17.3	16.5
29	14.7	14.3	13.5	12.8	11.9	9.9	12.7	14.6	19.5	21.3	22.4	21.6	22.7	23.1	23.2	23.6	24.0	23.2	20.0	18.5	17.5	15.2	13.4	12.5
30	12.0	11.7	10.7	9.7	9.0	9.5	10.0	13.9	16.3	17.1	17.9	18.7	20.1	20.5	20.5	20.1	20.2	18.3	18.0	17.0	16.5	15.3	13.5	12.5
31	11.7	10.4	9.4	9.0	8.2	7.8	7.7	7.9	7.9	8.0	8.5	8.9	8.6	8.6	9.4	8.8	9.3	8.0	7.8	7.5	7.3	7.4	7.2	7.0
MEAN	11.5	10.8	10.3	9.4	8.9	8.4	9.0	11.0	12.9	14.6	16.1	17.4	18.3	19.1	19.7	19.7	19.9	19.5	17.4	17.7	15.7	14.3	13.1	12.5

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.	1.5	7	1	-0.5	-1.2	-2.1	-1.5	-0.4	1.4	3.1	4.7	5.7	6.1	4.4	4.3	6.7	7.1	5.9	7.0	6.4	4.6	4.1	3.3	4.0
2.	3.0	3.2	2.5	3.0	2.3	1.9	2.3	3.5	4.5	7.4	9.3	10.6	10.1	10.8	10.0	11.4	11.3	10.5	10.0	10.0	9.2	8.2	7.0	7.3
3.	4.8	7.1	5.5	4.9	4.8	3.5	4.4	5.4	7.9	8.4	8.6	9.0	10.2	9.2	10.0	10.5	10.3	10.0	9.7	10.0	9.2	7.0	7.0	6.3
4.	6.3	5.7	4.8	5.0	5.0	4.4	5.0	6.5	7.7	9.0	9.4	9.7	10.2	10.5	10.5	11.1	11.5	10.7	10.2	10.0	10.2	9.6	8.5	7.3
5.	5.3	5.0	6.1	5.2	4.4	5.1	5.5	7.9	8.5	9.9	11.0	11.4	11.5	12.3	12.1	12.7	16.4	16.0	15.0	14.0	9.2	9.0	8.3	7.6
6.	4.8	6.9	7.9	7.7	5.5	4.4	5.7	6.2	6.9	7.1	9.5	10.2	10.7	10.9	10.9	10.9	11.0	11.0	10.5	10.0	8.5	8.2	7.4	6.8
7.	6.6	5.9	5.3	4.4	4.4	4.4	4.9	6.1	7.0	7.5	7.5	8.1	7.7	7.7	8.1	8.2	7.9	6.8	6.4	6.3	6.0	6.5	6.5	6.0
8.	6.8	7.8	6.2	6.7	6.5	6.3	6.3	6.2	6.8	6.6	6.4	6.4	6.1	6.8	6.5	6.7	6.7	6.8	6.8	6.4	6.6	6.5	6.5	6.0
9.	5.2	4.0	3.4	2.4	1.4	1.1	1.5	3.4	5.4	5.6	6.3	6.9	7.1	8.1	8.0	8.4	8.1	7.8	8.2	8.5	7.4	7.6	7.8	7.6
10.	7.5	7.3	7.1	7.1	7.1	7.2	7.6	8.7	9.2	9.8	10.0	10.0	11.9	11.2	11.4	10.3	9.6	8.9	8.5	8.1	7.7	7.1	7.1	7.5
11.	7.5	7.6	8.7	8.5	6.2	5.8	5.9	6.3	7.2	8.0	8.4	8.5	7.5	8.4	8.4	7.8	7.0	8.5	8.8	7.1	5.6	4.5	2.6	1.9
12.	1.2	2	-2	-2	-2.5	-1.0	-1	1.0	3.0	3.5	4.2	4.5	5.5	6.0	8.2	8.0	5.2	4.7	4.9	5.2	3.4	2.4	1.4	1.7
13.	9	5	-2	-0	-1.4	-2.5	0	3.5	5.0	7.0	7.0	7.2	7.4	7.2	8.2	8.0	7.6	8.0	9.3	8.4	6.6	6.0	5.6	5.4
14.	4.2	4.5	4.0	3.0	3.1	2.5	2.8	4.5	5.8	7.8	8.3	8.3	8.6	8.7	9.3	9.3	9.6	8.7	9.0	7.9	7.1	6.4	5.9	5.5
15.	5.1	5.0	5.1	5.1	5.0	5.0	6.8	8.1	9.1	10.5	11.5	11.6	11.7	12.5	12.7	13.5	13.1	13.8	13.6	14.0	13.3	13.0	12.9	12.3
16.	11.8	11.5	11.4	11.4	10.8	10.4	10.3	12.1	13.0	13.9	14.6	15.2	15.9	14.0	15.0	16.0	16.0	15.6	15.9	15.7	14.9	14.4	14.1	13.6
17.	13.0	12.4	12.3	12.1	11.7	11.5	11.5	12.8	14.5	14.7	15.2	15.7	15.8	15.9	16.6	17.6	16.5	16.1	15.9	15.3	14.8	14.2	13.0	13.3
18.	12.7	11.3	11.3	9.5	10.7	9.0	9.5	10.0	11.4	12.2	13.6	14.0	15.7	15.7	16.2	16.2	16.2	15.1	14.4	12.9	10.8	9.7	7.8	6.5
19.	5.0	4.8	4.8	4.8	4.5	4.5	4.9	4.9	4.4	4.9	4.6	5.1	5.0	5.5	6.2	7.4	8.2	7.3	7.8	7.0	5.8	4.2	3.6	2.4
20.	1.9	1.3	1.9	1.4	-0.4	-0.4	0.7	4.0	5.0	5.8	6.9	8.1	8.9	9.7	10.1	10.6	11.3	11.4	11.3	11.0	10.1	9.4	8.3	8.2
21.	7.8	7.9	7.3	8.9	6.2	5.5	6.2	8.0	9.5	10.8	11.1	11.2	11.3	11.5	11.5	11.9	12.3	12.6	12.9	12.3	11.2	10.1	11.2	10.6
22.	10.5	10.2	9.7	9.7	9.8	10.2	10.6	11.8	13.2	14.6	15.0	14.5	17.4	18.2	17.5	17.7	17.7	16.2	15.4	15.4	16.2	16.2	15.6	15.8
23.	15.8	14.5	13.8	14.2	14.5	14.3	14.4	15.5	16.9	17.9	18.4	19.0	19.4	19.7	21.1	17.9	17.1	17.0	16.7	15.3	15.5	15.5	15.4	15.4
24.	15.2	15.1	14.5	14.0	13.9	14.1	14.6	15.7	17.3	18.1	18.9	19.9	10.0	19.4	20.3	19.8	19.8	19.6	18.8	18.8	18.6	18.0	17.7	17.7
25.	17.7	17.4	17.2	17.0	14.8	15.0	15.2	15.9	17.9	19.0	19.2	19.2	19.5	19.7	18.8	20.0	20.4	20.1	19.1	16.9	14.1	14.8	14.2	13.9
26.	14.0	14.0	14.0	13.9	13.4	13.7	14.6	14.4	14.6	14.8	15.3	16.4	16.8	17.2	17.3	17.3	16.6	16.5	15.5	14.8	14.0	13.3	12.0	11.9
27.	11.2	10.2	9.7	9.0	9.0	8.8	9.7	10.7	11.8	13.8	14.2	13.5	12.6	12.6	13.7	14.0	14.7	15.0	13.7	14.0	13.6	13.8	14.0	13.5
28.	11.8	11.7	11.0	10.0	10.6	10.0	11.5	12.3	12.6	14.1	13.6	14.4	14.4	14.8	13.7	14.0	14.7	15.0	13.7	14.0	13.6	13.8	14.0	13.5
29.	11.9	12.4	12.4	11.4	10.2	8.9	11.7	12.9	13.9	14.9	16.7	13.8	15.1	15.2	15.5	15.1	14.7	15.5	14.7	14.7	13.3	11.7	12.2	10.5
30.	10.3	10.3	9.8	9.1	8.7	8.9	9.3	12.2	12.7	13.6	13.6	13.1	13.6	13.1	13.2	13.2	13.4	12.7	12.3	12.0	11.5	10.6	9.5	9.5
31.	9.0	8.8	8.8	8.5	7.8	7.4	7.1	7.1	7.0	7.4	7.2	7.2	7.9	7.8	8.0	7.3	7.2	7.2	7.0	6.9	6.4	6.4	6.4	6.3
MEAN	8.2	7.9	7.6	7.1	6.8	6.5	7.1	8.3	9.4	10.4	11.0	11.2	11.3	11.9	12.2	12.1	12.3	12.0	11.6	11.3	10.3	9.7	9.3	8.8

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MAY  
 ALL TIMES ARE C.S.T. VELOCITY IN KILOMETERS PER HOUR

HOUR STARTING	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	SSE SE 15	SSE SE 19	SSE SE 20	SSE SE 17	SSE SE 11	SSE SE 19	SSE SE 11	SSE SE 19	SSE SE 17	SSE SE 11	SSE SE 9	SSE SE 13	SSE SE 7	SSE SE 9	SSE SE 13	SSE SE 19	SSE SE 19	SSE SE 9	SSE SE 11	SSE SE 17	SSE SE 17	SSE SE 15	SSE SE 15	SSE SE 15			
2	S S 17	S S 19	S S 19	SSW SSW 17	SSW SSW 13	SSW SSW 17	SSW SSW 13	SSW SSW 17	SSW SSW 13	SSW SSW 17	SSW SSW 20	SSW SSW 19	SSW SSW 22	SSW SSW 17	SSW SSW 20	SSW SSW 19	SSW SSW 22	SSW SSW 17	SSW SSW 20	SSW SSW 22	SSW SSW 19	SSW SSW 22	SSW SSW 19	SSW SSW 22	SSW 41	16 CST	
3	S S 22	S S 20	S S 17	S S 19	S S 17	S S 26	S S 31	S S 33	S S 35	S S 37	S S 35	S S 37	S S 35	S S 37	S S 35	S S 37	S S 37	S S 33	S S 33	S S 28	S S 28	S S 22	S S 22	S S 22	S 57	13 CST	
4	S S 28	S S 22	S S 17	S S 20	S S 19	S S 24	S S 24	S S 26	S S 20	S S 24	S S 24	S S 30	S S 31	S S 30	S S 24	S S 24	S S 24	S S 24	S S 22	S S 24	S S 24	S S 13	S S 11	S S 11	S 43	14 CST	
5	C SE 0	C SE 11	C SE 0	C SE 0	C SE 2	C SE 13	C SE 13	C SE 22	C SE 17	C SE 19	C SE 28	C SE 20	C SE 28	C SE 20	C SE 28	C SE 20	C SE 28	C SE 13	C SE 13	C SE 20	C SE 15	C SE 13	C SE 0	C SE 9	N 52	12 CST	
6	NNE F 15	NNE F 15	NNE F 15	NNE F 11	NNE F 17	NNE F 15	NNE F 13	NNE F 20	NNE F 19	NNE F 17	NNE F 20	NNE F 17	NNE F 20	NNE F 17	NNE F 20	NNE F 15	NNE F 19	NNE F 24	NNE F 17	NNE F 24	NNE F 17	NNE F 26	NNE F 24	NNE F 26	SE 37	21 CST	
7	SSE SSE 26	SSE SSE 24	SSE SSE 20	SSE SSE 19	SSE SSE 20	SSE SSE 20	SSE SSE 20	SSE SSE 20	SSE SSE 24	SSE SSE 20	SSE SSE 28	SSE SSE 31	SSE SSE 33	SSE SSE 31	SSE SSE 41	SSE SSE 24	SSE SSE 24	SSE SSE 22	SSE SSE 24	SSE SSE 26	SSE SSE 17	SSE SSE 11	SSE SSE 20	SSE SSE 22	NNE 33	22 CST	
8	E NE 15	E NE 15	E NE 15	E NE 11	E NE 22	E NE 24	E NE 24	E NE 31	E NE 35	E NE 33	E NE 41	E NE 26	E NE 26	E NE 26	E NE 37	E NE 35	E NE 37	E NE 35	E NE 37	E NE 26	E NE 26	E NE 26	E NE 26	E NE 26	NNE 50	13 CST	
9	NNW NNW 19	NNW NNW 19	NNW NNW 17	NNW NNW 17	NNW NNW 19	NNW NNW 22	NNW NNW 19	NNW NNW 20	NNW NNW 26	NNW NNW 15	NNW NNW 9	NNW NNW 17	NNW NNW 17	NNW NNW 17	NNW NNW 17	NNW NNW 17	NNW NNW 17	NNW NNW 17	NNW NNW 17	NNW NNW 17	NNW NNW 15	NNW NNW 15	NNW NNW 15	NNW NNW 15	S 41	23 CST	
10	S S 30	S S 26	S S 28	S S 30	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	S S 24	NE 50	18 CST	
11	NNE NNW 20	NNE NNW 22	NNE NNW 24	NNE NNW 20	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	NNE NNW 22	ENE 39	21 CST	
12	NE NE 24	NE NE 19	NE NE 15	NE NE 17	NE NE 22	NE NE 26	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	NE NE 28	N 39	14 CST	
13	NNW NW 15	NNW NW 17	NNW NW 11	NNW NW 4	NNW NW 6	NNW NW 11	NNW NW 4	NNW NW 7	NNW NW 11	NNW NW 13	NNW NW 7	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	NNW NW 4	S 5	
14	SSE S 15	SSE S 7	SSE S 13	SSE S 17	SSE S 20	SSE S 15	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE S 17	SSE 46	15 CST	
15	SSE SSE 24	SSE SSE 26	SSE SSE 30	SSE SSE 26	SSE SSE 25	SSE SSE 33	SSE SSE 30	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE SSE 33	SSE 48	11 CST

16	SSF SSE SSE SSE SSE SSE S	S 63	15 CST
17	S S	SSW 50	12 CST
18	SW SW W C F ENE NNE NE NE ENE N F NE NE NE NE NE NE NE NE NE NE	NNE 48	00 CST
19	NNE NNE NNE NNE NNE NNE N N N NNE NNE NNE NNE NNE NNE N N N N NNE	NNE 48	13 CST
20	N N NNE NNE NNE NNE NNE N N C NNE NNE NNE NNE NNE N N N S S S S S	S 45	15 CST
21	SSW SSW S	S 43	13 CST
22	S S	S 41	20 CST
23	SSW SSW SSW SSW SSW S	SSE 43	18 CST
24	SE SE SSE S	NW 70	03 CST 19 CST
25	SSF SSE S NW N SE SE S SSW SW SSW S S S S S S S S S S S S S S S S	WNW 35	11 CST
26	ENE F E ESE SE SSW W W W WNW NNE NNE NNE NNE NNE NNE NNE NNE NNE	WSW 31	14 CST
27	W W W SSW WSW SSW SSW SSW WSW SSW SSW SSW SSW WSW SSW SSW SSW W	SE 46	18 CST
28	WSW SSW SSW SSW SSW SSW W W W C N NW NNW W WSW C E E ENE E C C	E 54	22 CST
29	C C C C NNE NNE NNE N N NE E FSE ESE SSE SSE SSE SSE SSE SSE SSE	E 50	09 CST
30	SSE W C C NNE NNE C N N N NE NNE NNE E FNE E E FSE ESE ESE E		
31	E F E E E ENE E E E F F F F F F E E E E E E E E E E E E E E		
SUM			

..... HEAD 19.019.017.717.817.817.216.818.714.220.321.123.322.222.524.022.823.723.022.622.421.220.019.919.8

