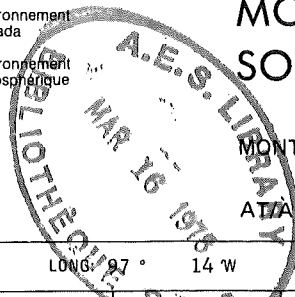


# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS FEBRUARY / FEVRIER

19 78

ATIA WINNIPEG INT'L AIRPORT / AEROPORT INTERN. DE WINNIPEG



LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: 786 FEET (ASL) / ALTITUDE: 786 PIEDS (MER)		STANDARD TIME USED: CENTRAL / HEURE NORMALE UTILISÉE:														
DATE	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. / PRÉCIP. 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	-23.5	-33.2	-28.4	46.4	0.0	88	60		Tr.	Tr.	18	6.8	W	W 17	8.6					
2	-22.0	-31.0	-26.5	44.5	0.0	87	61		Tr.	Tr.	18	10.3	S	S 19*	8.0					
3	-15.2	-29.7	-22.5	40.5	0.0	96	58		Tr.	Tr.	18	22.8	S	S 33*	3.3					
4	-14.9	-31.3	-23.1	41.1	0.0	84	70		1.5	1.0	20	20.1	NNW	NNW 33	8.8					
5	-20.5	-36.0	-28.3	46.3	0.0	91	69		Tr.	Tr.	19	5.5	ca1m	N 15	8.4					
6	-13.7	-25.8	-19.8	37.8	0.0	79	67		Tr.	Tr.	19	21.5	SE	SE 26*	3.2					
7	-13.5	-21.7	-17.6	35.6	0.0	83	62		Tr.	Tr.	19	14.5	ESE	ESE 20	8.2					
8	-10.5	-23.5	-17.0	35.0	0.0	94	73		Tr.	Tr.	19	12.4	NE	ESE 20	6.8					
9	-14.2	-26.6	-20.4	38.4	0.0	87	77		Tr.	Tr.	15	4.7	NNE	NE 7*	2.0					
10	-11.5	-23.5	-17.5	35.5	0.0	87	74		Tr.	Tr.	15	14.6	WNW	W 20*	8.3					
11	-13.5	-23.8	-18.7	36.7	0.0	85	75		0.2	0.2	15	16.0	NNE	NNE 24	9.3					
12	-11.0	-21.6	-16.3	34.3	0.0	84	76				15	15.7	N	NE 26	9.4					
13	-11.5	-23.9	-17.7	35.7	0.0	84	74		Tr.	Tr.	15	13.8	N	NNE 24*	9.0					
14	-12.0	-16.0	-14.0	32.0	0.0	87	76		Tr.	Tr.	15	22.8	NNW	NW 28*	4.4					
15	-12.5	-20.5	-16.5	34.5	0.0	86	75		0.2	0.2	15	21.2	NW	NW 26*	1.4					
16	-11.7	-22.2	-17.0	35.0	0.0	84	69		Tr.	Tr.	15	19.2	WNW	WNW 26	6.7					
17	-10.7	-19.4	-15.1	33.1	0.0	86	68		Tr.	Tr.	15	17.4	WNW	W 20*	6.9					
18	-13.3	-23.0	-18.2	36.2	0.0	83	73				15	19.8	S	S 31*	6.7					
19	-9.7	-18.5	-14.1	32.1	0.0	87	79		0.2	0.2	15	15.1	NNE	NE 31	3.9					
20	-9.4	-22.7	-16.1	34.1	0.0	85	63				15	12.2	NW	NW 15*	9.1					
21	-9.2	-19.2	-14.2	32.2	0.0	87	75				15	22.3	S	S 37	8.5					
22	-1.0	-11.1	-6.1	24.1	0.0	90	78		1.1	1.1	15	18.1	NW	NNW 28	2.1					
23	-1.0	-9.0	-5.0	23.0	0.0	94	66		1.0	1.0	16	18.9	NW	NW 28	6.6					
24	-4.0	-16.0	-10.0	28.0	0.0	94	76		4.2	3.5	20	28.6	NNW	NNE 43	0.0					
25	-13.9	-21.2	-17.6	35.6	0.0	83	72		Tr.	Tr.	21	22.6	NW	NNW 28	9.7					
26	-12.7	-24.5	-18.6	36.6	0.0	81	75		Tr.	Tr.	21	14.3	SSW	S 22	6.9					
27	-12.2	-22.6	-17.4	35.4	0.0	88	79		0.3	0.3	21	13.3	NNE	NNE 20	3.6					
28	-14.6	-28.3	-21.5	39.5	0.0	86	58		Tr.	Tr.	21	13.6	NW, NNW	NW 19	9.2					
29																				
30																				
31																				
MEAN MOYENNE	-12.3	-23.1	-17.7	999.2	0.0	87	71		0.0	8.7	7.5	16.4	NW DOMINANTE	NNE 43	179.0					
NORMAL NORMALE	-10.4	-21.1	-15.7	951.1	Nil			0.0	0.8	19.8	19.1	18.8	SOUTH	58	139.4					
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS											DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES: mm					DAYS WITH SNOWFALL: JOURS AVEC CHÔTE DE NEIGE: cm				
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	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	999.2	830.2	951.1	TOTAL FOR MONTH / TOTAL DU MOIS	Nil	Nil	Nil	8	4	1	0	0	8	4	1	0	0			
ACCUMULATED SINCE JULY 1 / ACCUMULÉE DEPUIS LE 1 <sup>er</sup> JUILLET	4612.7	4560.9	4312.3	ACCUMULATED SINCE APRIL 1 / ACCUMULÉE DEPUIS LE 1 <sup>er</sup> AVRIL	1930.7	1886.4	1802.9	8	4	1	0	0	8	4	1	0	0			

UDC 551.506.1 (

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

COMPARATIVE RECORDS RELEVÉS COMPARATIFS				MONTH MOIS		FEBRUARY / FEVRIER			19 78				
Temperature/Température Precipitation/Précipitation Rainfall/Hauteur de pluie Snowfall/Hauteur de neige Wind speed/Vitesse du vent Station pressure/Pression à la station	°Celsius — Millimetres (mm) — Millimetres (mm) — Centimetres (cm) — Kilometres/per hour (km/h) — Kilopascals	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		-1.0	22 23	3.8	8	1.7	11.7	25	1958	-9.4	19	1875	107
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-36.0	5	-33.7	6	-33.9	-19.4	9	1878	-45.0	18	1966	107
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		-17.7		-11.7		-15.7	-5.1		1878	-26.1		1875	107
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		Nil		Tr.		.8	10.2		1958	Nil	(several)		107
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		8.7		23.5		19.8	89.9		1881	2.5		1903	107
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		7.5		20.9		19.1	89.9		1881	2.5		1903	107
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		8		10		10	15		1945	2		1900 1931	95
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		Nil		Tr.	11, 12		7.6		1958				107
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		4.2	24	11.5	24		25.4		1921				107
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		3.5	24	11.5	24		25.4		1921				107
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES				Tr.	11								
10 MINUTES				Tr.	11								
15 MINUTES				Tr.	11								
30 MINUTES				Tr.	11								
60 MINUTES				Tr.	11								
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		Nil		Tr.	12		7.6	23	1958				107
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		16.4		16.7		18.8	23.8		1954	12.6		1929	58
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		NNE43	24	N 56	24	58	NW 90	8	1960				40
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		N 56	24	N 72	24	77	NW129	20	1965				33
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		179.0		122.7		139.4	185.9		1907	80.5		1940	73
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		99.57		98.51		98.90	99.57		1978	98.26		1954	40
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		101.89	5	100.59	6	100.71	101.89	5	1978				40
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		97.12	24	96.29	24	96.54				95.11	8	1960	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 DEGREE-DAYS DEGRÉS-JOURS DE CHAUFFE	GROWING DEGREE-DAYS DEGRÉS-JOURS DE CROISSANCE		
1969	1.1	-37.2	-13.9	Tr.	10.9	8.6	15.3	NW, SE51	119.6	892.8			
1970	4.4	-32.8	-16.2	Nil	16.5	15.0	19.2	N, SSE55	131.3	957.2			
1971	3.9	-32.8	-13.9	0.3	6.4	4.6	19.4	NW 56	141.0	891.7			
1972	1.7	-36.1	-19.3	Nil	13.2	10.4	13.8	S, NNN45	160.8	1083.3			
1973	2.2	-33.3	-13.9	0.8	6.6	6.4	16.6	S 48	140.4	893.9			
1974	1.7	-38.9	-17.6	0.3	11.7	11.2	15.0	N 47	155.2	996.7			
1975	1.2	-33.2	-16.7	0.5	19.0	15.6	15.8	NW51	148.8	971.4			
1976	5.5	-31.1	-11.6	0.3	30.3	23.0	18.3	N 48	127.2	859.6			
1977	3.8	-33.7	-11.7	Tr.	23.5	20.9	16.7	N 56	122.7	830.2			
1978	-1.0	-36.0	-17.7	Nil	8.7	7.5	16.4	NNE 43	179.0	999.2			

February was colder than usual, but one of the sunniest on record. The sun shone on Winnipeg for 179 hours during February, which is 40 hours more than normal. Sunshine this February has been exceeded only in 1959 and 1907.

Temperatures averaged -17.7, which is two degrees colder than normal. Coldest day was February 5 at -36, but on February 22 and 23 a mild spell warmed the city to a near thawing -1.0 degrees.

Precipitation was below normal and no major blizzards struck Winnipeg. Snowfall amounted to 8.7 CM compared to normal of 19.8 CM.

Atmospheric pressure averaged the highest ever for February.

## DAILY WEATHER SUMMARY FOR FEBRUARY 1978

## AT WINNIPEG, MANITOBA

1. Cold, Sunny. Ice crystals to 10:53 a.m. Light winds. Visibility slightly restricted in morning.
2. Cold, Sunny. Ice crystals 8:30 a.m. to 9:20 a.m. Light winds. Visibility slightly restricted in morning.
3. Below normal temperatures. Mostly cloudy. Ice crystals 00:10 a.m. to 11:00 a.m. Snow 1:10 p.m. to 2:50 p.m., 4:19 p.m. to 8:10 p.m. Moderate winds. Gusty south wind in evening. Visibility restricted in morning and afternoon. Light ice fog in morning.
4. Below normal temperatures. Mostly sunny. Snow 00:12 a.m. to 5:30 a.m. Ice crystals 5:21 a.m. to 7:37 a.m., 11:48 a.m. to 1:55 p.m. Moderate winds. Blowing snow 9:20 a.m. to 10:25 a.m. Visibility restricted in morning.
5. Below normal temperatures. Light winds. Sunny. Ice crystals 00:10 a.m. to 6:55 p.m. Light ice fog in morning. Visibility slightly restricted.
6. Below normal temperatures. Partly cloudy. Snow 1:43 a.m. to 2:08 a.m., 4:22 a.m. to 4:41 a.m. Gusty SE wind in morning. Moderate winds.
7. Near normal temperatures. Sunny. Light winds. Ice crystals 5:50 a.m. to 6:48 a.m.
8. Near normal temperatures. Mostly sunny. Light snow 9:40 a.m. to 1:40 p.m. Smoke 10:20 a.m. to 12:18 p.m. Visibility slightly reduced in morning. Light winds.
9. Below normal temperatures. Mostly cloudy. Snow 2:10 p.m. to 6:40 p.m. Light winds.
10. Normal temperatures. Sunny. Light winds. Snow 10:10 p.m. continued.
11. Below normal temperatures. Sunny. Snow to 1:50 a.m. Light winds.
12. Normal temperatures. Sunny. Mostly light winds.
13. Below normal temperatures. Mostly sunny. Light winds. Snow 2:20 p.m. to 3:10 p.m., 6:30 p.m. continued. Ice crystals 7:22 p.m. to 9:50 p.m.
14. Above normal temperatures. Partly cloudy. Snow to 10:40 a.m., 8:25 p.m. to 10:20 p.m. Moderate winds. Drifting snow.
15. Near normal temperatures. Mostly cloudy. Snow 6:40 a.m. to 12:50 p.m., 3:15 p.m. to 6:10 p.m. Visibility slightly reduced in morning. Moderate winds. Drifting snow.
16. Near normal temperatures. Mostly sunny. Ice crystals 10:20 a.m. to 12:50 p.m. Visibility slightly reduced in morning. Drifting snow. Mostly light winds.
17. Above normal temperatures. Mostly sunny. Light winds. Snow 2:28 a.m. to 6:45 a.m.
18. Below normal temperatures. Mostly sunny. Gusty south wind in evening. Drifting snow.
19. Above normal temperatures. Snow 7:02 a.m. to 3:20 p.m. Ice crystals 4:00 p.m. to 7:00 p.m. Mostly light winds but gusty south wind in afternoon. Drifting snow in afternoon.
20. Normal temperatures. Sunny. Light winds.
21. Above normal temperatures. Sunny. Moderate winds. Gusty south wind in evening.
22. Mild, Partly cloudy. Snow 7:29 a.m. to 10:15 a.m., 5:45 p.m. to 6:50 p.m., 11:50 p.m. continued. Visibility reduced in morning. Light fog in early afternoon. Gusty northwest wind in late afternoon.
23. Mild. Mostly sunny. Snow to 00:15 a.m., 8:55 p.m. continued. Visibility reduced late evening. Mostly light winds.
24. Above normal temperatures. Cloudy. Snow to 4:18 p.m. Blowing snow 9:40 a.m. to 4:52 p.m. Visibility restricted till late afternoon. Roads icy. Numerous accidents. Moderate winds. Gusty north wind in afternoon.
25. Below normal temperatures. Mostly sunny. Snow 00:12 a.m. to 6:19 a.m. Ice crystals 00:50 a.m. to 10:00 a.m. Moderate winds. Light ice fog in morning. Visibility slightly restricted.
26. Below normal temperatures. Mostly sunny. Ice crystals 3:28 a.m. to 4:17 a.m. Snow 9:45 p.m. continued. Light winds.
27. Below normal temperatures. Mostly cloudy. Snow to 3:15 p.m. Visibility slightly reduced. Light winds.
28. Below normal temperatures. Mostly sunny. Ice crystals 00:52 a.m. to 01:12 a.m. Light winds.

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF

ALL TEMPERATURES IN DEGREES CELSIUS

LOCAL STANDARD TIME

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.	-29.3	-28.3	-30.5	-30.5	-31.0	-31.1	-31.2	-33.2	-32.5	-30.0	-28.0	-27.4	-27.7	-27.2	-26.2	-25.1	-24.0	-25.0	-25.8	-26.4	-27.0	-27.1	-27.3	-27.8
2.	-29.7	-28.8	-30.0	-31.0	-30.4	-30.0	-30.6	-30.6	-29.5	-29.4	-27.8	-25.5	-24.0	-23.3	-23.0	-22.6	-22.5	-22.6	-24.6	-25.3	-25.3	-25.9	-26.2	-26.7
3.	-28.3	-28.0	-29.0	-29.3	-29.0	-28.2	-27.4	-27.0	-25.5	-23.8	-23.0	-20.8	-18.6	-18.6	-18.0	-17.3	-16.3	-15.6	-15.6	-15.4	-15.4	-15.6	-16.1	-16.6
4.	-16.2	-15.7	-15.2	-14.9	-15.7	-16.2	-17.4	-19.2	-20.0	-20.6	-21.3	-21.5	-21.5	-21.3	-21.3	-21.6	-22.0	-23.1	-25.0	-26.4	-28.2	-29.0	-29.9	-29.4
5.	-31.3	-32.4	-32.7	-31.0	-31.1	-32.5	-33.3	-35.1	-35.4	-31.6	-30.1	-25.0	-23.8	-22.7	-21.6	-21.2	-20.5	-21.5	-26.6	-26.9	-30.1	-29.5	-26.2	-26.0
6.	-25.3	-25.5	-22.3	-21.4	-21.3	-21.4	-21.1	-21.1	-20.8	-21.0	-19.8	-18.1	-18.4	-16.6	-16.1	-15.0	-13.9	-14.5	-15.4	-16.4	-16.5	-15.9	-15.9	-18.5
7.	-19.0	-20.1	-19.7	-20.0	-20.2	-20.1	-21.6	-19.6	-20.0	-20.0	-19.5	-18.5	-17.3	-16.2	-14.7	-14.4	-14.1	-15.0	-16.4	-16.1	-15.9	-16.5	-17.2	
8.	-18.0	-18.7	-20.5	-20.8	-19.2	-19.6	-19.0	-19.5	-19.1	-18.3	-16.5	-15.0	-13.7	-10.7	-10.7	-10.9	-12.7	-13.5	-16.5	-18.9	-20.9	-20.9	-22.0	
9.	-23.4	-23.0	-23.5	-24.6	-25.5	-26.1	-25.6	-25.7	-26.5	-24.0	-22.2	-20.4	-19.0	-17.7	-16.0	-15.0	-14.3	-14.8	-15.3	-18.3	-18.9	-19.8	-20.1	
10	-21.2	-22.4	-22.8	-21.0	-21.6	-19.6	-19.1	-20.4	-21.5	-20.5	-19.9	-17.9	-15.9	-14.9	-13.5	-12.1	-12.0	-12.2	-14.2	-14.6	-16.0	-16.7	-15.7	
11	-14.1	-13.7	-18.4	-20.4	-21.5	-22.4	-22.5	-21.5	-21.0	-20.0	-19.0	-17.0	-15.9	-15.0	-13.1	-13.0	-13.3	-14.7	-14.7	-16.0	-16.0	-17.5	-19.8	
12	-20.4	-21.4	-20.9	-17.5	-14.4	-14.0	-14.3	-14.6	-15.7	-15.6	-14.8	-14.3	-13.0	-12.1	-11.5	-11.1	-11.0	-12.2	-15.7	-16.5	-16.1	-17.9	-18.4	
13	-18.6	-20.7	-21.5	-22.2	-22.5	-22.3	-23.6	-21.9	-22.0	-22.5	-20.3	-16.6	-15.3	-13.3	-12.2	-12.3	-13.1	-15.0	-17.3	-16.1	-14.6	-14.0	-14.3	
14	-14.5	-14.4	-14.5	-14.6	-14.5	-14.5	-14.3	-14.3	-14.3	-14.2	-13.7	-13.5	-13.2	-12.8	-12.4	-12.1	-12.7	-13.9	-14.6	-14.6	-14.5	-14.2	-15.0	
15	-15.9	-16.6	-16.7	-16.7	-16.5	-16.5	-16.7	-16.5	-16.3	-16.0	-15.4	-14.8	-14.2	-13.4	-13.1	-13.0	-13.3	-14.7	-14.7	-14.8	-16.0	-16.0	-18.4	
16	-20.5	-20.7	-21.0	-21.0	-21.0	-21.5	-22.2	-20.5	-19.4	-18.2	-17.5	-15.5	-14.6	-13.9	-13.1	-12.5	-12.3	-13.5	-14.0	-13.4	-14.1	-14.5	-14.6	
17	-14.8	-15.1	-15.4	-15.1	-14.1	-13.6	-13.1	-12.7	-12.2	-11.8	-12.5	-12.7	-13.0	-12.2	-12.0	-11.6	-12.0	-12.8	-14.5	-15.1	-15.2	-16.9	-18.4	
18	-18.5	-19.9	-20.6	-21.4	-21.5	-21.9	-22.9	-22.6	-22.3	-21.0	-19.5	-17.5	-17.1	-15.1	-14.1	-13.6	-14.0	-13.7	-13.3	-13.8	-13.8	-13.5	-13.3	
19	-13.3	-13.0	-12.9	-12.8	-12.6	-12.3	-12.7	-13.7	-12.8	-12.0	-11.4	-11.2	-10.5	-10.5	-10.4	-10.6	-10.7	-11.9	-13.3	-12.6	-14.8	-16.0	-17.3	
20	-18.5	-18.5	-19.7	-20.2	-20.6	-21.1	-20.9	-20.8	-21.6	-20.0	-18.7	-17.0	-15.0	-13.3	-10.8	-10.2	-10.6	-12.5	-13.4	-12.6	-14.8	-16.0	-17.3	
21	-16.4	-16.9	-16.9	-18.7	-18.6	-18.5	-18.5	-18.7	-18.5	-17.0	-15.7	-14.4	-13.2	-11.6	-10.9	-10.1	-9.7	-9.8	-10.0	-10.8	-11.3	-11.5	-11.0	
22	-11.0	-10.6	-10.6	-10.4	-10.3	-10.1	-10.1	-9.8	-9.9	-9.6	-8.7	-7.4	-5.8	-4.6	-3.6	-2.0	-1.2	-1.4	-2.2	-2.5	-2.3	-2.3	-2.8	
23	-3.0	-6.0	-7.5	-7.5	-9.0	-7.4	-7.6	-7.5	-8.4	-8.1	-6.8	-5.9	-4.0	-3.0	-3.1	-4.0	-4.1	-4.5	-4.4	-4.4	-4.0	-4.0	-4.6	
24	-4.2	-4.1	-4.1	-4.3	-4.0	-4.2	-4.5	-4.7	-4.9	-5.3	-5.5	-5.8	-6.7	-7.7	-8.1	-9.3	-10.4	-11.0	-12.3	-13.0	-14.2	-14.5	-15.0	
25	-16.0	-15.8	-17.6	-18.5	-19.5	-19.4	-19.0	-18.6	-20.8	-20.3	-19.5	-18.1	-16.7	-15.5	-14.5	-14.0	-14.5	-14.7	-16.0	-17.8	-18.1	-19.2	-18.9	
26	-20.6	-21.6	-22.0	-21.0	-21.0	-22.5	-23.6	-23.6	-23.6	-21.1	-18.6	-15.8	-14.5	-13.1	-13.1	-13.1	-13.5	-13.5	-13.6	-13.7	-13.8	-13.7	-13.7	
27	-13.8	-14.2	-14.7	-14.5	-14.7	-14.9	-14.6	-14.2	-14.0	-14.3	-14.2	-13.5	-12.6	-12.3	-13.0	-13.0	-14.4	-16.9	-18.6	-19.4	-19.2	-21.1	-21.4	
28	-22.6	-24.0	-24.0	-24.3	-25.2	-27.3	-27.1	-27.0	-26.6	-26.2	-25.0	-21.7	-21.0	-19.5	-17.4	-16.0	-15.5	-15.8	-17.4	-18.9	-19.7	-20.2	-21.1	
MEAN	-12.4	-12.9	-19.4	-19.4	-19.4	-19.6	-19.7	-10.7	-10.7	-19.0	-17.9	-16.6	-15.7	-14.6	-13.4	-13.4	-14.0	-15.4	-15.9	-16.6	-17.0	-17.4	-17.5	

HOULBY WEATHER TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF FEBRUARY 1978

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.	-29.3	-29.2	-30.4	-30.4	-30.9	-31.0	-31.1	-33.2	-32.5	-30.0	-28.0	-27.4	-27.7	-27.2	-26.4	-25.3	-24.2	-25.1	-25.4	-26.4	-27.0	-27.1	-27.3	-27.
2.	-28.7	-28.7	-30.0	-31.0	-30.3	-30.0	-30.6	-30.6	-29.5	-30.3	-27.8	-25.6	-24.2	-23.5	-23.2	-22.9	-22.7	-22.8	-24.7	-25.4	-25.4	-26.0	-26.2	-26.
3.	-29.3	-29.0	-29.0	-29.2	-29.2	-29.9	-29.1	-27.2	-26.9	-25.6	-23.8	-22.3	-21.2	-18.9	-18.3	-17.6	-16.5	-15.8	-15.7	-15.6	-15.5	-15.7	-16.2	-16.
4.	-16.3	-15.4	-15.3	-15.0	-15.8	-16.4	-17.4	-19.2	-20.1	-20.6	-21.4	-21.5	-21.5	-21.4	-21.4	-21.7	-22.1	-23.2	-25.1	-26.4	-28.2	-29.0	-29.9	-29.
5.	-31.3	-32.3	-32.6	-30.9	-31.0	-32.4	-33.2	-35.0	-35.3	-31.5	-30.1	-25.0	-24.9	-22.8	-21.8	-21.4	-21.0	-21.7	-26.6	-26.9	-30.0	-29.6	-26.2	-26.
6.	-25.4	-24.6	-22.5	-21.6	-21.5	-21.6	-21.2	-21.3	-21.0	-21.2	-20.0	-19.3	-18.7	-17.0	-16.5	-15.5	-14.4	-14.7	-15.6	-16.7	-16.7	-17.1	-17.1	-18.
7.	-19.2	-20.4	-20.0	-20.2	-20.4	-20.3	-21.6	-19.8	-20.2	-20.0	-19.9	-18.8	-17.6	-16.6	-15.1	-14.7	-14.4	-15.1	-16.8	-16.5	-16.2	-16.9	-17.5	-17.
8.	-18.3	-19.2	-20.5	-20.5	-19.2	-19.7	-19.1	-19.5	-19.1	-18.4	-16.8	-15.9	-14.1	-11.3	-11.3	-11.4	-13.1	-13.9	-16.7	-18.6	-20.8	-20.7	-21.9	-22.
9.	-23.2	-22.9	-23.4	-24.5	-25.4	-25.4	-25.5	-25.6	-26.5	-24.0	-22.2	-20.4	-19.0	-17.7	-16.0	-15.0	-14.5	-15.0	-15.5	-18.4	-19.0	-19.9	-19.5	-20.
10	-21.2	-22.7	-22.7	-21.0	-21.6	-19.6	-19.1	-20.4	-21.5	-20.5	-19.9	-18.0	-16.0	-15.0	-13.9	-12.5	-12.4	-12.6	-14.5	-14.6	-16.2	-16.9	-15.9	-15.
11	-14.2	-13.9	-18.5	-20.4	-21.5	-22.4	-22.5	-21.5	-21.0	-20.0	-19.0	-18.0	-17.0	-16.0	-15.4	-15.2	-15.0	-15.0	-16.2	-16.1	-17.2	-17.6	-19.8	-19.
12	-20.4	-21.4	-20.9	-17.6	-14.6	-14.3	-14.6	-14.8	-15.8	-15.0	-14.5	-13.3	-12.4	-11.9	-11.5	-11.3	-12.5	-11.3	-12.5	-13.4	-15.9	-16.6	-17.9	-18.
13	-18.5	-19.9	-20.6	-21.4	-21.8	-21.9	-22.3	-23.6	-21.9	-22.5	-20.4	-16.8	-15.6	-13.6	-13.6	-12.5	-13.9	-15.2	-17.4	-14.2	-14.7	-14.1	-14.3	-14.
14	-14.6	-14.6	-14.6	-14.7	-14.6	-14.4	-14.3	-14.3	-14.3	-14.3	-13.9	-13.7	-13.4	-13.1	-12.7	-12.4	-12.9	-14.0	-14.9	-14.8	-14.7	-14.4	-14.4	-15.
15	-16.0	-16.8	-16.8	-16.8	-16.6	-16.8	-16.9	-16.9	-16.6	-16.4	-16.0	-15.4	-14.0	-13.5	-13.5	-13.3	-13.6	-14.9	-14.9	-14.9	-15.0	-16.1	-14.4	-19.
16	-20.5	-20.7	-21.0	-21.0	-21.0	-21.5	-22.2	-20.6	-19.4	-18.2	-17.5	-15.6	-15.0	-14.2	-13.5	-13.0	-12.9	-13.9	-14.3	-13.7	-14.4	-14.8	-14.8	-14.
17	-15.0	-15.3	-15.5	-15.2	-14.2	-13.7	-13.2	-12.8	-12.3	-12.0	-12.7	-14.9	-13.4	-12.6	-12.5	-12.3	-14.6	-13.3	-14.9	-15.4	-15.5	-17.0	-14.4	-18.
18	-18.5	-19.9	-20.6	-21.4	-21.8	-21.9	-22.3	-23.6	-22.6	-22.3	-21.0	-19.5	-17.7	-17.3	-15.4	-14.5	-14.0	-14.0	-14.1	-14.0	-14.0	-13.7	-13.5	-13.
19	-13.5	-13.2	-13.1	-13.0	-12.8	-12.5	-12.9	-13.9	-13.0	-12.2	-11.5	-11.3	-10.6	-10.7	-10.6	-11.0	-11.0	-12.1	-13.5	-12.8	-14.9	-15.1	-17.4	-16.
20	-18.5	-18.9	-19.7	-20.2	-20.6	-21.1	-20.9	-20.8	-21.6	-20.0	-18.8	-17.2	-15.3	-13.8	-11.7	-11.7	-11.4	-11.4	-12.7	-13.7	-14.2	-15.5	-15.9	-16.
21	-16.4	-16.0	-16.9	-18.7	-18.6	-18.5	-18.5	-18.7	-18.6	-17.1	-15.9	-14.7	-13.5	-12.0	-11.4	-10.6	-10.2	-10.1	-10.2	-11.0	-11.5	-11.7	-11.7	-11.
22	-11.1	-11.0	-10.7	-10.5	-10.4	-10.2	-10.2	-9.9	-10.1	-9.9	-9.0	-7.8	-6.0	-5.0	-4.5	-2.8	-2.1	-2.6	-3.0	-3.3	-3.3	-3.3	-3.3	-3.
23	-3.6	-6.8	-8.0	-7.2	-9.5	-8.1	-8.3	-8.2	-8.9	-8.5	-7.5	-7.0	-5.5	-4.6	-4.7	-5.2	-5.5	-5.5	-5.2	-4.9	-4.7	-4.6	-4.	
24	-4.3	-4.3	-4.2	-4.5	-4.3	-4.5	-4.9	-5.0	-5.1	-5.5	-5.7	-6.0	-6.0	-7.0	-8.0	-8.5	-9.5	-10.6	-11.4	-12.5	-13.3	-14.5	-14.8	-15.
25	-16.1	-14.0	-17.8	-18.6	-19.6	-19.4	-19.1	-18.7	-20.8	-20.4	-19.4	-18.3	-16.9	-15.7	-15.7	-14.9	-14.4	-15.0	-16.2	-18.0	-18.2	-19.3	-14.8	-19.
26	-20.6	-21.6	-22.0	-21.0	-21.0	-24.1	-22.5	-23.6	-23.6	-21.2	-18.7	-16.0	-15.8	-14.8	-13.5	-13.5	-13.5	-13.7	-13.7	-13.8	-13.9	-14.0	-13.9	-13.
27	-14.0	-14.4	-14.9	-14.9	-14.7	-14.9	-15.0	-14.8	-14.8	-14.3	-14.1	-14.3	-13.5	-12.7	-12.5	-12.5	-13.2	-14.6	-17.0	-18.7	-19.4	-19.2	-21.1	-21.
28	-22.6	-24.0	-24.0	-24.3	-25.2	-27.2	-27.0	-26.9	-26.5	-26.2	-25.0	-21.7	-21.0	-19.8	-18.0	-16.5	-16.0	-16.5	-17.7	-19.0	-19.7	-20.2	-21.1	-20.
MEAN	-18.5	-19.0	-19.4	-19.5	-19.7	-19.8	-19.8	-19.9	-19.1	-16.1	-16.8	-15.9	-14.9	-14.2	-13.8	-13.8	-14.3	-15.6	-16.2	-16.7	-17.2	-17.5	-17.	

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF FEBRUARY

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	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S 52	19 CST
2	W	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	NNW43	10 CST	
3	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SE 37	09 CST	
4	S	SSW	SSW	W	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE32	06 CST	
5	NW	NNW	N	NE	ENE	C	WNW	N	NNW	E	C	SF	SSE	SSE	SW	S	C	C	C	C	C	C	C	SSE	NNW 33	22 CST	
6	SE	SE	FSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SF	SF	SE	SE	SE	SE			
7	ESE	SE	ESE	ESE	ESE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE			
8	ESE	F	E	SE	SE	SE	ESE	ESE	ESE	E	E	ENE	ENE	ENE	ENE	NE	NE	NNE	NNE	NE	NE	NE	NE	NE			
9	NE	NE	ENE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE			
10	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW			
11	NNW	N	NNW	NNW	NNW	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE			
12	NNW	NW	NNW	NNW	NNW	NNE	NE	N	N	NNW	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE			
13	N	N	NNW	NNW	NW	NNW	N	N	N	N	N	N	N	N	N	NNE	NNE	N	N	NNE	N	N	NNE	NNW			
14	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW			
15	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW			



