



Fisheries and Environment Canada
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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS MARCH / MARS

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

19 79

APR 27 1979
METEOROLOGICAL SERVICE
WINNIPEG
METEOROLOGICAL SERVICE
WINNIPEG

LAT: 49° 54' N			LONG: 97° 14' W			ELEVATION: 239.6 METRES (ASL) ALTITUDE: MÈTRES (NMM)		STANDARD TIME ZONE: 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 EFFECTIVES				
	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	-9.0	-13.8	-11.4	29.4		86	74			1.7	1.7	42	10.8	E	SE 24	0.0				
2	-10.9	-14.5	-12.7	30.7		86	72					43	12.3	NNE, NE	NE 24	0.0				
3	-5.8	-21.7	-13.8	31.8		85	53					42	7.0	calm	NNW 15*	9.4				
4	-4.7	-19.1	-11.9	29.9		84	69					39	10.4	S	SSW 17	8.9				
5	-5.9	-16.8	-11.4	29.4		86	71	Tr.		Tr.		38	18.4	S	S 28*	9.8				
6	-0.2	-22.0	-11.1	29.1		94	69	Tr.	0.4	0.4		35	32.1	N	N 50	0.0				
7	-14.2	-25.4	-19.8	37.8		80	67		Tr.	Tr.	Tr.	35	13.4	N	N 28	8.2				
8	-8.0	-15.3	-11.7	29.7		89	72	Tr.	1.8	1.8		36	32.7	NW	S 50	1.5				
9	-15.2	-23.9	-19.6	37.6		86	72		0.5	0.5		38	36.2	NNW	NNW 48	2.9				
10	-10.6	-26.6	-18.6	36.6		82	65		0.2	0.2		38	22.2	NW	S 41	5.1				
11	-8.5	-16.7	-12.6	30.6		86	63					38	13.5	N	N 28*	8.2				
12	0.0	-9.3	-4.7	22.7		91	68		0.4	0.4		38	25.8	SSE	ESE 39	0.3				
13	-5.0	-15.0	-10.0	28.0		93	72		8.8	8.8		46	33.8	NE, NNW	NE 56*	4.7				
14	-14.0	-23.4	-18.7	36.7		83	67		Tr.	Tr.		46	25.0	NW, NNW	NNW 39	11.0				
15	-8.4	-21.1	-14.8	32.8		86	69					45	28.9	S	SSW 48	11.0				
16	2.4	-11.0	-4.3	22.3		93	80					45	32.7	S	WSW 63	9.9				
17	2.8	1.4	2.1	15.9		100	84					38	31.1	S	S 46	0.0				
18	1.6	-1.2	0.2	17.8		100	95	Tr.		Tr.		27	16.9	NNE	NE 37*	0.0				
19	0.5	-2.0	-0.8	18.8		100	93	3.7	Tr.	3.7		21	27.2	NNE	NNE 50	0.0				
20	-0.8	-3.6	-2.2	20.2		98	92	4.4	2.0	6.4		18	19.3	NNW	NNW 28	0.0				
21	0.5	-3.8	-1.7	19.7		95	84		0.4	0.4		20	11.9	WNW	WSW 19*	0.0				
22	4.2	-6.5	-1.2	19.2		95	70					18	18.2	WSW	NNE 48	0.6				
23	-5.8	-12.6	-9.2	27.2		83	62					16	23.7	NNE	N 43	11.1				
24	-4.9	-14.0	-9.5	27.5		84	57	Tr.	Tr.	Tr.		16	10.1	E	ESE 20	7.8				
25	-6.1	-10.4	-8.3	26.3		89	66		3.0	2.5		15	26.7	SE	SE 35	0.0				
26	-8.9	-16.5	-12.7	30.7		88	72		0.2	0.2		18	17.5	WNW, NW	NE 26	11.5				
27	-7.7	-17.6	-12.7	30.7		93	66		8.5	8.5		17	12.7	S	SSW 24	0.0				
28	-5.5	-18.5	-12.0	30.0		89	73		1.6	1.4		26	21.2	NE	NE 33	5.0				
29	-2.1	-18.6	-10.4	28.4		97	81		7.0	7.0		26	13.8	S	S 31	0.0				
30	-2.9	-14.4	-8.7	26.7		96	77	Tr.	Tr.	Tr.		32	17.5	NW	NNE 24*	11.5				
31	-4.6	-19.3	-12.0	30.0		92	73		1.6	1.4		32	10.9	NE	NE 19	4.3				
MEAN MOYENNE	-5.1	-14.6	-9.9	864.2	N11	90	73	N11	8.1	38.1	45.3		20.5	PREVAILING DOMINANTE	MAXIMUM WSW 63	TOTAL 142.7				
NORMAL NORMALE	-2.9	-13.3	-8.1	809.8	2.9			0.1	6.1	21.1	26.2		19.6	SOUTH	56	170.4				
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	mm					cm							
								0.2 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE	0.2 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE			
TOTAL FOR MONTH TOTAL DU MOIS	864.2	812.4	809.8	TOTAL FOR MONTH TOTAL DU MOIS	0.0	N11	2.9	16	10	6	0	0	15	9	5	0	0			
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	5731.5	5425.1	5134.5	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1857.9	1930.7	1790.7													

UDC 551.506.1 (

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

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COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS		MARCH / MARS		19 79								
Temperature/Température Precipitation/Précipitation Rainfall/Hauteur de pluie Snowfall/Hauteur de neige Wind speed/Vitesse du vent Station pressure/Pression à la station	°Celsius — Millimètres (mm) — Millimètres (mm) — Centimètres (cm) — Kilomètres/par heure (km/h) — 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		4.2	22	5.8	30	8.1	23.3	27	1946	-1.7	24	1899	108	
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-26.6	10	-26.7	3	-27.8	-10.6	24	1878	-38.9	3	1880	108	
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		-9.9		-8.2		-8.1	1.6		1878	-16.1		1899	108	
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		8.1		8.2		6.1	67.8		1945	(Nil several)			108	
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		38.1		3.4		21.1	76.2		1904	0.8		1946	108	
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		45.3		11.4		26.2	76.2		1904	1.5		1939	108	
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		16		3		10	17		1944	3	(several)		96	
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		4.4	20	7.8	31		32.0	9	1878				108	
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		8.8*	13	3.0	20		38.1	4	1935				108	
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		8.8*	13	8.2	31*		38.1	4	1935				108	
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:														
5 MINUTES		0.4	19				0.8	10	1973				11	
10 MINUTES		0.4	19				1.0	10	1973				11	
15 MINUTES		0.4	19				1.8	10	1973				11	
30 MINUTES		0.8	19				2.5	10	1973				11	
60 MINUTES		1.0	19				2.5	10	1973				11	
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		4.4	20*	8.2	30-31*		32.0	9	1878				108	
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		20.5		18.2		19.6	25.6		1944	12.6		1924	59	
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		WSW63	16	NW 59	31	56	N 80	4	1966				41	
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		NNE78	13	NW 76	31	78	N113	4	1966				41	
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		142.7		202.3		170.4	217.4		1970	103.0		1903	80	
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.71		98.80		98.82	99.83		1947	98.09		1945	41	
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		100.28	14	100.53	23	100.48	101.80	12	1951				41	
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.94	12	96.60	31	96.63				95.17	30	1967	41	
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES													TEN (10) / DIX	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	CROWING DEGREE-DAYS DEGRÉS-JOURS DE CROISSANCE			
1970	2.2	-31.1	-13.1	Tr.	30.5	27.4	16.4	N, NNE42	217.4	960.6				
1971	5.6	-23.3	-6.7	7.4	36.8	43.7	23.3	NW 58	140.5	763.3				
1972	5.0	-31.7	-8.1	4.6	16.0	20.1	13.8	NNW 48	142.6	805.6				
1973	15.6	-12.2	0.5	3.0	10.2	13.7	17.2	S 52	149.9	540.0				
1974	2.8	-32.2	-11.2	0.8	14.5	15.2	19.3	N 52	182.5	901.7	6.1			
1975	3.8	-27.9	-10.8	1.5	19.5	18.9	20.3	NNE 48	192.3	892.0				
1976	6.2	-32.7	-10.0	3.8	29.2	23.1	16.9	N 61	186.1	868.8				
1977	16.0	-22.5	-2.8	7.3	4.3	9.9	20.1	NNE 67	189.8	644.7	4.4			
1978	5.8	-26.7	-8.2	8.2	3.4	11.4	18.2	NW 59	202.3	812.4	0.0			
1979	4.2	-26.6	-9.9	8.1	38.1	45.3	20.5	WSW 63	142.7	864.2	0.0			

1978 -*Also 30-31

Snow- *10.1 CM 27-28 March, Precipitation 9.9 MM 27-28 March, 7.3 MM rain March 19-20

March turned out to be the sixth consecutive month where the mean temperature was below normal. The mean of -9.9C however, was close to the normal of -8.1C. The months high temperature was 4.2 on the 22nd while the lowest temperature was -26.6 on the 10th.

Snowfall and freezing rain however, were the big stories of March. 38.1CM of snow was the greatest amount since 1966. Normal snowfall is 21.1 CM. There were 16 days with measurable precipitation, one short of tying the all time record. There were 5 days with freezing precipitation. The most significant occurrences however, were on the 19th and 20th. Total rainfall for March was 8.1 MM, the normal is 6.1 MM.

Sunshine was 27.7 hours below normal. Total sunshine recorded was 142.7 hours.

DAILY WEATHER SUMMARY FOR MARCH 1979

AT WINNIPEG, MANITOBA

1. Near normal temperatures. Cloudy. Snow or snow flurries to 2:15 p.m. Visibility reduced. Light winds.
2. Normal temperatures. Cloudy. Light winds.
3. Below normal temperatures. Sunny. Light winds.
4. Near normal temperatures. Sunny. Light winds.
5. Near normal temperatures. Sunny. Mostly light winds. Freezing rain 11:55 p.m. continued.
6. Near normal temperatures. Cloudy. Freezing rain to 5:52 a.m. Ice pellets 1:47 a.m. to 6:07 a.m. Snow 1:47 a.m. to 7:58 a.m., 5:14 p.m. to 7:45 p.m. Blowing snow 7:49 a.m. to 10:52 a.m., 6:30 p.m. to 7:45 p.m. Visibility severely reduced in open areas. Numerous traffic accidents, roads very treacherous. Strong gusty NNW winds. Drifting snow.
7. Cold. Mostly sunny. Light snow 11:45 p.m. continued. Mostly light winds.
8. Normal temperatures. Mostly cloudy. Snow, snow grains or ice crystals to 4:31 p.m., 7:37 p.m. continued. Freezing drizzle 9:53 a.m. to 11:18 a.m. Blowing snow 4:50 a.m. to 9:21 a.m., 10:30 p.m. continued. Visibility severely reduced. Moderate gusty south winds. Traffic accidents, stalled cars. Heavy drifting snow.
9. Cold. Mostly cloudy. Snow to 6:15 a.m., 2:53 p.m. to 3:10 p.m. Blowing snow to 6:15 p.m. Moderate gusty NW winds. Visibility restricted.
10. Cold. Partly cloudy. Ice crystals 8:28 a.m. to 8:55 a.m. Snow 4:24 p.m. to 6:07 p.m. Blowing snow 5:48 p.m. to 8:10 p.m. Moderate gusty south winds in the afternoon and evening. Visibility reduced.
11. Near normal temperatures. Mostly sunny. Mostly light winds.
12. Mild. Cloudy. Snow 7:05 a.m. to 9:30 a.m. Snow pellets or snow 8:50 p.m. continued. Blowing snow 9:40 p.m. to 9:59 p.m. Moderate gusty SSE to ESE winds. Visibility restricted in snow and blowing snow.
13. Normal temperatures. Partly cloudy. Snow to 6:55 a.m., 4:35 p.m. to 5:20 p.m., 11:25 p.m. continued. Blowing snow 00:10 to 9:45 a.m. Visibility severely reduced. Strong winds in morning. Flights cancelled, classes halted in the country.
14. Cold. Sunny. Snow to 01:57 a.m. Ice crystals 1:57 a.m. to 7:25 a.m. Moderate winds.
15. Below normal temperatures. Sunny. Moderate south winds. Blowing snow 3:15 p.m. to 5:15 p.m. Visibility slightly reduced.
16. Mild. Sunny. Moderate gusty south winds in afternoon and evening.
17. Mild. Cloudy. Light fog late morning, afternoon and evening. Heavy fog 11:42 p.m. continued. Moderate gusty south winds morning and afternoon.
18. Mild. Cloudy. Heavy fog till 12:10 p.m., 2:33 p.m. to 7:12 p.m. Drizzle 00:28 a.m. to 9:10 a.m. Light fog till late evening. Visibility severely reduced. Light winds till late evening.
19. Mild. Cloudy. Rain 2:22 a.m. to 5:10 p.m. Drizzle 2:36 a.m. to 3:10 a.m., 5:10 p.m. to 5:40 p.m. Ice pellets 8:48 a.m. to 8:58 a.m. Freezing rain 3:36 a.m. to 9:45 a.m., 11:32 p.m. continued. Snow 2:40 p.m. to 2:50 p.m., 10:50 p.m. continued. Freezing drizzle 7:58 p.m. to 11:32 p.m. Visibility restricted. Roads very dangerous, traffic tie-ups, power outages. Many accidents.
20. Mild. Cloudy. Snow or snow grains 1:31 p.m. continued. Freezing rain to 7:51 a.m. Snow to 00:48 a.m. Freezing drizzle 3:58 a.m. to 3:55 p.m. Ice pellets 7:27 a.m. to 7:51 a.m. Roads still dangerous. Power outages. Planes grounded. Visibility restricted.
21. Mild. Cloudy. Snow to 1:30 p.m. Light winds. Light fog. Visibility restricted.
22. Above normal temperatures. Cloudy. Mostly light winds but gusty north in late evening.
23. Below normal temperatures. Sunny. Moderate winds becoming light late evening.
24. Below normal temperatures. Mostly sunny. Light snow or flurries 7:42 a.m. to 9:15 a.m. Mostly light winds.
25. Below normal temperatures. Cloudy. Snow 3:49 a.m. continued. Visibility restricted. Moderate winds. Drifting snow.
26. Cold. Sunny. Snow or ice crystals to 5:30 a.m. Mostly light winds.
27. Cold. Cloudy. Snow 8:43 a.m. continued. Visibility reduced in snow. Mostly light winds.
28. Cold. Cloudy clearing in afternoon. Snow to 3:55 a.m. Moderate NE winds. Drifting snow.
29. Cold. Cloudy. Snow 10:43 a.m. to 12:3 p.m., 2:25 p.m. continued. Light fog in the morning. Visibility restricted. Mostly light winds.
30. Cold. Sunny. Snow or flurries to 01:55 a.m. Mostly light winds.
31. Cold. Partly cloudy. Snow 11:18 a.m. to 11:28 a.m., 12:26 p.m. to 1:40 p.m., 5:43 p.m. continued. Ice crystals 9:00 p.m. to 9:41 p.m. Visibility restricted. Light winds.

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MARCH 1979
 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.	-13.6	-13.5	-13.1	-12.6	-12.4	-12.2	-12.9	-12.5	-12.1	-11.8	-10.6	-10.0	-9.4	-9.6	-10.7	-11.0	-10.7	-11.3	-11.4	-11.4	-11.6	-11.9	-11.8	-12.2
2.	-12.7	-13.0	-13.0	-13.4	-13.4	-14.0	-13.7	-13.7	-14.2	-14.2	-14.0	-14.0	-14.0	-12.5	-12.3	-11.5	-11.0	-11.0	-11.1	-11.3	-11.4	-12.0	-12.8	-13.0
3.	-12.5	-13.2	-14.7	-16.5	-18.2	-19.7	-21.0	-21.6	-19.6	-19.0	-16.7	-12.0	-9.4	-9.0	-7.5	-7.3	6.2	-7.8	-6.5	-10.6	-13.2	-12.1	-13.0	-13.3
4.	-14.4	-16.5	-16.6	-16.8	-17.6	-19.1	-19.1	-18.8	-18.7	-15.6	-13.5	-11.5	-9.2	-7.0	-6.2	-5.2	-5.0	-5.7	-6.5	-8.5	-10.1	-10.7	-11.2	-11.1
5.	-12.8	-13.6	-14.7	-15.0	-16.2	-16.3	-16.0	-15.5	-16.8	-14.5	-12.2	-11.4	-9.8	-8.0	-7.2	-6.6	-6.2	-7.1	-7.8	-8.8	-10.0	-10.7	-11.2	-11.0
6.	-9.6	-8.0	-5.5	-1.7	-1.4	-0.9	-0.4	-0.2	-2.0	-4.5	-9.9	-12.6	-14.1	-15.7	-16.2	-16.7	-17.4	-18.0	-18.8	-19.0	-19.4	-20.0	-20.4	-21.1
7.	-22.0	-22.7	-22.8	-23.6	-23.6	-25.1	-24.4	-24.9	-24.8	-23.4	-22.7	-22.1	-20.1	-20.0	-19.4	-18.7	-18.4	-17.9	-16.8	-17.0	-17.0	-17.2	-16.7	-15.3
8.	-14.3	-13.2	-12.7	-12.0	-11.5	-11.2	-9.5	-9.0	-8.4	-8.4	-10.3	-11.6	-12.0	-12.0	-11.4	-11.1	-11.2	-12.5	-12.9	-13.4	-13.8	-14.2	-14.8	
9.	-15.2	-15.8	-16.5	-17.5	-17.6	-18.0	-18.8	-20.0	-20.5	-20.2	-20.2	-19.9	-19.4	-19.4	-18.9	-18.4	-18.6	-19.1	-20.0	-21.2	-21.8	-22.2	-23.9	
10.	-23.2	-23.2	-23.8	-24.5	-25.0	-25.2	-25.8	-26.6	-26.6	-24.3	-22.4	-20.2	-18.2	-17.3	-16.4	-15.6	-14.5	-14.2	-14.4	-12.8	-12.0	-11.9	-11.6	
11.	-10.6	-8.8	-11.4	-11.0	-9.6	-11.8	-13.0	-15.6	-15.0	-14.6	-13.6	-12.1	-11.0	-10.4	-9.8	-9.4	-8.9	-9.2	-9.3	-9.5	-9.2	-9.0	-9.0	-9.1
12.	-9.0	-9.3	-9.3	-9.0	-9.0	-8.5	-8.2	-8.3	-8.2	-7.9	-6.9	-5.6	-4.1	-2.8	-2.0	-1.0	-0.4	-2.0	-2.4	-2.4	-3.3	-4.0	-4.7	-4.7
13.	-5.1	-5.6	-7.0	-7.4	-8.0	-9.3	-9.3	-11.5	-11.5	-14.1	-14.0	-13.4	-12.7	-13.6	-12.5	-12.7	-12.0	-12.0	-12.0	-13.3	-13.7	-13.4	-12.9	-13.8
14.	-15.0	-18.5	-18.4	-19.5	-20.1	-20.8	-22.1	-22.1	-22.6	-21.7	-20.4	-18.7	-18.5	-17.0	-15.8	-15.0	-14.5	-14.4	-14.5	-15.8	-16.0	-16.8	-17.7	-16.8
15.	-18.0	-18.5	-20.5	-20.8	-20.5	-19.9	-19.3	-20.1	-18.6	-17.7	-15.4	-13.4	-12.2	-11.0	-10.0	-9.1	-8.5	-8.4	-8.8	-9.2	-9.4	-9.3	-9.6	-9.7
16.	-9.7	-9.9	-10.5	-10.6	-10.7	-10.9	-10.8	-10.5	-9.2	-7.5	-6.0	-3.9	-2.4	-0.6	0.8	1.6	2.0	2.0	1.8	1.3	1.0	1.3	1.5	1.8
17.	1.6	1.8	2.2	2.6	2.7	2.8	2.7	2.1	1.9	2.0	2.0	2.0	2.0	2.4	2.5	2.4	2.3	2.5	2.4	2.5	1.8	1.8	1.4	1.5
18.	1.5	0.9	1.0	0.8	0.9	0.6	0.3	0.4	0.6	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.5	0.2	0.2	0.0	-0.4	-0.6
19.	-1.0	-1.8	-2.0	-1.8	-1.3	-0.8	-0.6	-0.3	-0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.4	0.2	0.2	0.2	0.5	-1.0	-3.6
20.	-1.0	-1.0	-1.2	-1.3	-1.3	-1.8	-2.5	-2.4	-2.5	-2.5	-2.3	-2.0	-1.9	-1.9	-1.9	-2.1	-2.0	-2.0	-2.2	-2.4	-2.6	-2.7	-3.2	-3.6
21.	-3.6	-3.6	-3.7	-3.7	-3.6	-3.7	-3.7	-3.5	-3.3	-3.0	-2.6	-2.2	-1.5	-1.6	-1.0	-0.8	-0.7	-0.7	-0.5	-0.5	-0.4	-0.4	-0.2	0.3
22.	0.3	0.2	0.4	0.5	0.4	0.2	0.0	0.1	0.4	0.8	0.9	1.0	1.2	1.8	3.0	3.7	3.4	2.1	1.8	1.0	0.2	1.0	2.2	4.6
23.	-6.5	-8.5	-9.5	-10.6	-11.3	-11.8	-12.0	-12.6	-12.0	-11.3	-10.3	-9.3	-8.2	-7.7	-6.9	-6.6	-6.3	-6.5	-6.7	-7.8	-9.0	-8.9	-9.1	-10.2
24.	-9.7	-10.1	-9.4	-9.9	-10.9	-11.5	-13.5	-13.6	-11.5	-9.4	-7.5	-6.5	-6.6	-6.3	-5.4	-5.2	-5.5	-5.5	-6.1	-6.9	-7.5	-7.5	-7.4	-6.4
25.	-6.1	-6.5	-7.3	-7.6	-8.1	-9.2	-9.8	-10.0	-10.2	-10.4	-10.0	-9.5	-9.3	-8.9	-8.4	-8.0	-7.9	-8.3	-8.3	-8.5	-8.3	-8.4	-8.6	-8.8
26.	-9.0	-9.9	-9.9	-11.0	-12.8	-13.7	-14.3	-15.4	-14.7	-14.8	-13.8	-12.7	-11.8	-11.3	-10.6	-10.3	-9.7	-10.0	-10.5	-12.5	-13.7	-14.2	-14.3	-15.5
27.	-16.2	-16.9	-15.5	-16.1	-16.0	-15.9	-17.3	-16.7	-15.0	-13.2	-11.9	-11.3	-10.2	-9.7	-9.5	-8.5	-8.5	-8.5	-8.2	-8.2	-8.5	-8.2	-8.2	-8.6
28.	-8.8	-9.2	-9.5	-9.8	-10.2	-10.3	-10.5	-10.5	-9.3	-10.0	-9.2	-8.0	-8.5	-7.0	-6.3	-5.7	-5.7	-6.3	-9.6	-13.7	-15.9	-15.5	-17.4	-18.1
29.	-18.5	-16.7	-15.7	-15.4	-11.6	-11.5	-11.7	-10.9	-9.5	-8.3	-7.2	-6.1	-5.1	-3.2	-2.5	-3.0	-2.7	-2.5	-2.5	-2.3	-2.4	-2.6	-2.9	-3.0
30.	-3.1	-3.9	-3.6	-3.8	-4.5	-6.9	-11.7	-11.9	-12.2	-9.4	-6.1	-4.9	-4.6	-3.9	-3.7	-3.5	-3.5	-3.8	-4.6	-6.4	-10.6	-11.0	-8.6	-12.0
31.	-14.2	-16.0	-13.8	-14.5	-18.3	-17.3	-16.8	-18.5	-16.6	-15.7	-14.0	-11.0	-10.7	-8.0	-6.4	-7.1	-6.5	-5.2	-5.0	-5.7	-6.1	-6.9	-6.8	-6.9

MEAN	-10.0	-10.4	-10.5	-10.6	-10.9	-11.3	-11.7	-12.0	-11.5	-11.0	-10.2	-9.3	-8.6	-8.0	-7.4	-7.0	-6.8	-7.1	-7.4	-8.2	-8.8	-8.9	-9.1	-9.5
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HOURLY WETBULB TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MARCH

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.	-13.8	-13.7	-13.3	-12.8	-12.6	-12.5	-13.0	-12.6	-12.2	-12.0	-11.0	-10.4	-9.7	-10.0	-11.2	-11.4	-11.2	-11.6	-11.8	-11.7	-12.0	-12.1	-12.0	-12.5
2.	-13.0	-13.2	-13.3	-13.5	-13.6	-14.2	-13.9	-13.9	-14.4	-14.4	-14.4	-14.2	-14.2	-12.7	-12.5	-11.8	-11.5	-11.4	-11.5	-11.5	-11.5	-12.3	-13.1	-13.2
3.	-13.0	-13.6	-14.9	-16.5	-18.2	-19.7	-21.0	-21.6	-19.7	-19.1	-16.9	-12.8	-10.5	-10.2	-8.8	-8.8	-8.0	-9.4	-10.2	-11.5	-13.6	-12.4	-13.8	-13.8
4.	-14.7	-16.7	-16.7	-16.9	-17.2	-17.6	-18.0	-18.4	-20.0	-20.5	-20.3	-20.4	-20.0	-19.5	-19.5	-19.1	-18.5	-18.7	-19.2	-20.0	-21.2	-21.8	-23.2	-23.9
5.	-13.0	-13.7	-14.8	-15.1	-16.2	-16.3	-16.1	-15.6	-16.8	-14.7	-12.6	-11.8	-10.4	-8.0	-7.2	-6.2	-6.2	-6.7	-7.6	-9.1	-10.6	-11.0	-11.5	-11.4
6.	-9.9	-8.3	-5.7	-2.0	-1.7	-1.3	-1.0	-.8	-2.2	-4.9	-10.0	-12.8	-14.3	-15.9	-16.6	-17.0	-17.6	-19.1	-18.9	-19.2	-16.5	-20.1	-20.5	-21.1
7.	-22.0	-22.7	-22.9	-23.3	-23.7	-25.1	-24.4	-25.0	-24.9	-23.5	-22.9	-22.3	-20.2	-20.2	-19.6	-19.0	-18.7	-18.1	-17.1	-17.4	-17.4	-17.5	-16.6	-15.6
8.	-14.7	-13.5	-13.2	-12.5	-11.9	-11.5	-9.8	-9.2	-8.6	-8.5	-8.5	-10.4	-11.8	-12.2	-11.6	-11.6	-11.5	-12.8	-13.3	-13.8	-14.1	-14.2	-14.3	-14.9
9.	-15.3	-15.8	-16.5	-17.2	-17.6	-18.0	-18.4	-20.0	-20.5	-20.3	-20.4	-20.0	-19.5	-19.5	-19.1	-18.5	-18.7	-19.2	-20.0	-21.2	-21.8	-22.3	-23.2	-23.9
10.	-23.2	-23.8	-23.8	-24.5	-25.0	-25.2	-25.8	-26.6	-26.6	-24.3	-22.5	-20.5	-18.6	-17.6	-16.8	-15.9	-14.8	-14.5	-14.5	-14.7	-13.2	-12.4	-12.3	-11.9
11.	-10.9	-9.3	-11.7	-11.2	-9.8	-12.0	-13.2	-15.7	-15.2	-14.8	-13.9	-12.5	-11.5	-11.0	-10.6	-10.2	-9.9	-9.9	-10.2	-10.4	-10.2	-10.1	-10.1	-10.0
12.	-9.9	-9.8	-9.8	-9.7	-9.7	-9.4	-9.2	-9.0	-8.8	-8.3	-7.6	-6.4	-5.1	-3.8	-3.2	-2.3	-1.7	-3.2	-3.3	-3.5	-4.2	-4.7	-4.9	-4.9
13.	-5.4	-5.8	-7.1	-7.4	-8.0	-9.3	-9.3	-11.5	-11.5	-14.1	-14.2	-13.6	-13.1	-13.8	-13.0	-13.1	-12.4	-12.3	-12.4	-13.6	-14.1	-13.7	-13.2	-14.0
14.	-15.1	-18.5	-18.4	-19.5	-20.1	-20.9	-22.1	-22.2	-22.8	-21.9	-20.6	-20.0	-18.8	-17.4	-16.2	-15.4	-15.0	-14.8	-14.9	-16.0	-16.2	-17.0	-17.9	-17.1
15.	-18.3	-18.8	-20.7	-20.9	-20.6	-20.1	-19.5	-20.2	-18.7	-17.9	-15.7	-13.9	-12.7	-11.5	-10.5	-9.6	-9.0	-8.9	-9.1	-9.5	-9.6	-9.5	-9.8	-9.9
16.	-9.9	-10.1	-10.7	-10.7	-10.8	-11.0	-10.9	-10.6	-9.5	-8.0	-6.6	-4.7	-3.2	-1.6	-.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.4
17.	1.0	1.3	1.5	1.9	1.9	2.0	1.9	1.7	1.6	1.8	1.7	1.5	1.4	1.6	1.5	1.6	1.7	1.8	1.9	2.0	1.6	1.6	1.3	1.5
18.	1.5	.9	.9	.8	.8	.5	.3	.4	.5	.5	.6	.7	.7	.7	.7	.7	.6	.5	.5	.2	.2	.0	.4	.7
19.	-1.2	-2.0	-2.0	-1.8	-1.3	-.8	-.5	-.3	-.2	-.2	-.2	-.1	-.1	-.2	-.2	.0	.0	.0	.0	-.2	-.2	-.6	-1.2	-1.2
20.	-1.2	-1.2	-1.4	-1.5	-2.0	-2.6	-2.5	-2.6	-2.6	-2.4	-2.1	-1.9	-1.7	-2.1	-2.2	-2.1	-2.1	-2.2	-2.3	-2.5	-2.7	-3.0	-3.4	-3.7
21.	-3.7	-3.8	-3.9	-3.9	-3.8	-3.9	-3.8	-3.6	-3.5	-3.1	-2.8	-2.5	-2.0	-2.1	-1.7	-1.6	-1.6	-1.4	-1.3	-1.3	-1.0	-1.0	-.7	-.4
22.	-.2	-.2	-.1	-.1	-.1	-.2	-.3	-.5	-.3	.0	.0	.1	.6	1.4	.8	.8	1.0	1.0	.8	.0	-.5	-1.6	-5.1	-5.1
23.	-7.4	-9.0	-9.9	-11.0	-11.6	-12.1	-12.3	-13.0	-12.5	-11.9	-11.1	-10.0	-9.1	-8.7	-8.1	-7.9	-7.7	-7.8	-7.9	-8.5	-8.5	-9.6	-10.5	-10.5
24.	-10.0	-10.4	-9.9	-10.4	-11.4	-11.6	-13.7	-13.7	-11.8	-9.9	-9.0	-8.0	-7.6	-7.3	-6.9	-6.4	-6.8	-6.9	-7.2	-7.7	-8.0	-8.5	-8.2	-7.3
25.	-7.2	-7.2	-8.4	-8.7	-9.1	-9.8	-10.1	-10.3	-10.5	-10.7	-10.6	-10.1	-10.0	-9.6	-9.2	-8.7	-8.8	-8.9	-8.7	-8.8	-8.5	-8.5	-8.7	-9.0
26.	-9.2	-10.0	-10.0	-11.2	-12.9	-13.8	-14.4	-15.5	-14.9	-15.0	-14.0	-12.9	-12.2	-11.7	-11.0	-10.8	-10.3	-10.6	-11.1	-13.0	-14.0	-14.6	-14.6	-15.7
27.	-16.3	-16.8	-15.7	-16.1	-16.0	-16.0	-17.2	-16.7	-15.1	-13.4	-12.1	-11.6	-10.5	-10.1	-9.9	-9.5	-9.0	-8.8	-8.5	-8.4	-8.5	-8.2	-8.7	-8.7
28.	-8.9	-9.3	-9.6	-9.9	-10.3	-10.4	-10.6	-10.6	-9.4	-10.2	-9.5	-9.4	-8.8	-7.5	-6.8	-6.6	-6.6	-7.2	-10.2	-13.9	-15.9	-15.5	-17.4	-18.0
29.	-18.4	-16.8	-15.8	-15.4	-11.7	-11.5	-11.7	-10.9	-9.4	-8.6	-7.4	-6.3	-5.6	-4.0	-3.2	-3.2	-3.0	-2.7	-2.7	-2.4	-2.5	-2.7	-3.0	-3.0
30.	-3.2	-3.9	-3.7	-4.0	-4.7	-7.0	-11.6	-11.8	-12.1	-9.6	-6.6	-5.6	-4.7	-4.6	-4.6	-4.3	-4.5	-4.5	-5.4	-6.9	-10.7	-11.1	-9.2	-12.1
31.	-14.3	-16.0	-14.1	-15.0	-18.5	-17.5	-17.0	-18.7	-16.7	-15.9	-14.3	-11.5	-11.2	-8.6	-7.3	-7.8	-7.4	-6.2	-5.7	-5.9	-6.2	-7.0	-6.9	-7.0

MEAN	-10.2	-10.6	-10.7	-10.9	-11.1	-11.5	-11.9	-12.1	-11.8	-11.2	-10.5	-9.8	-9.1	-8.5	-8.1	-7.8	-7.5	-7.7	-8.0	-8.6	-9.1	-9.2	-8.4	-9.7
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INTERNATIONAL AIRPORT FOR THE MONTH OF MARCH

ABSTRACT OF THE WIND AT WINNIPEG VELOCITY IN KILOMETERS PER HOUR

ALL TIMES ARE C.S.T.		INTERNATIONAL AIRPORT FOR THE MONTH OF MARCH																				PEAK GUSTS	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		
1	SE 24	ESE 17	ESE 9	ESE 15	E 4	E 11	E 11	E 11	E 11	ESE 15	SSE 17	SSE 6	SSE 7	W 13	WNW 19	WNW 11	WNW 6	WNW 9	WSW 9	WSW 6	WSW 11	WSW 6	W 7	W 7		
2	W 7	WNW 4	WNW 4	WNW 4	C 0	C 0	C 6	NE 17	NE 19	NE 19	NE 19	NE 19	NE 17	NNE 19	NNE 17	NNE 19	NE 24	NNE 20	NNE 15	NNE 13	NNE 11	N 13	N 11	N 11		
3	NNW 11	NNW 15	NNW 13	NNW 11	N 6	C 0	C 4	C 4	C 4	C 0	C 0	C 0	C 0	C 0	C 9	WNW 4	WNW 6	WNW 13	S 9	WSW 6	WSW 9	SSW 4	SSW 9	SSW 11		
4	SW 11	SSW 6	S 7	S 6	SSW 2	S 9	S 9	S 9	S 9	S 11	S 15	SSW 15	SSW 13	SSW 9	S 13	SSW 17	SSW 13	SSW 9	SSW 9	SSW 9	SSW 11	S 15	SSW 13	SSW 11		
5	SSW 6	S 15	S 7	S 9	S 15	S 9	SSW 13	S 15	S 15	S 22	S 22	S 22	S 19	S 24	S 24	S 28	SSW 24	S 28	S 24	S 28	S 24	S 22	S 24	SSW 17	S 46	18 CST
6	S 13	WSW 7	NNW 13	NNW 19	NNW 20	NNW 30	NNW 37	NNW 37	NNW 35	N 50	N 43	N 35	N 35	N 39	N 35	N 41	N 41	N 37	N 39	N 41	N 35	N 35	N 37	N 31	NNW67	10 CST
7	N 24	N 28	N 24	N 20	N 15	N 17	N 15	N 13	N 17	ENE 9	ENE 6	N 0	N 6	N 6	N 4	N 4	N 4	N 0	S 13	S 15	S 13	S 15	S 17	S 20	S 37	00 CST
8	S 26	S 31	S 33	SSE 37	S 33	S 35	S 41	S 41	S 37	S 50	S 28	WNW 35	WNW 37	WNW 30	WNW 33	WNW 31	WNW 22	WNW 28	WNW 28	WNW 20	WNW 31	WNW 30	WNW 28	WNW 41	S 63	07 CST
9	NW 39	NW 46	NW 46	NW 43	NW 41	NNW 33	NNW 37	NNW 37	NNW 41	NNW 44	NNW 44	NNW 44	NNW 44	NNW 39	NNW 37	NNW 30	NNW 35	NNW 39	NNW 37	NNW 30	NNW 26	NNW 20	NNW 22	NNW 22	NW 67	01 CST
10	NW 28	NNW 24	NNW 19	NNW 22	NW 26	NW 24	NW 17	NW 13	NW 11	W 9	W 7	W 15	WSW 15	WSW 20	WSW 22	WSW 30	S 31	S 39	S 39	S 41	S 28	SSW 22	SSW 13	S 59	20 CST	
11	W 17	NW 24	N 28	N 19	N 22	N 28	N 22	N 20	N 15	NW 15	NW 13	NNW 17	NNW 17	N 15	NNW 15	NNW 11	C 0	NNW 4	C 4	C 0	C 4	SW 4	SW 4	SW 11	N 35	05 CST
12	SW 11	SSW 19	S 19	S 20	S 19	SSE 22	SSE 20	SSE 28	SSE 30	SSE 31	SSE 31	SSE 31	SSE 31	SSE 33	SSE 24	SSE 24	SSE 24	SSE 24	ESE 24	ESE 22	ESE 30	ESE 39	ESE 35	ESE 26	ESE54	22 CST
13	NE 31	NE 41	NE 56	NE 52	NE 56	NE 56	NNE 52	NNE 44	NNE 39	N 31	N 35	NNW 30	NNW 33	NNW 28	NNW 26	NNW 26	NNW 20	NNW 22	NNW 15	NNW 13	NNW 11	NNW 15	NNW 20	NNW 22	NNE78	06 CST
14	NNE 20	NNE 13	NNW 19	NNW 24	NNW 30	NNW 28	NNW 30	NNW 20	NNW 24	NNW 30	NNW 35	NNW 37	NNW 39	NNW 37	NNW 30	NNW 24	NNW 22	NNW 17	NNW 19	NNW 19	NNW 19	NNW 19	NNW 19	NNW 15	NNW52	13 CST
15	W 13	WSW 13	WSW 11	WSW 17	WSW 15	WSW 19	WSW 22	WSW 26	WSW 30	WSW 30	WSW 31	WSW 33	WSW 37	WSW 43	WSW 43	WSW 48	WSW 46	WSW 39	WSW 35	WSW 33	WSW 33	WSW 31	WSW 31	WSW 31	S 69	17 CST
16	SSW 30	SSW 26	SSW 24	SSW 22	SSW 24	SSW 22	SSW 22	SSW 22	SSW 26	SSW 28	SSW 24	SSW 26	SSW 33	SSW 39	SSW 39	SSW 39	SSW 39	SSW 39	SSW 37	SSW 63	SSW 46	SSW 46	SSW 46	SSW 44	S 70	21 CST
17	S 43	S 31	S 31	S 31	S 37	S 46	S 35	S 43	S 39	S 33	S 37	S 31	S 35	S 35	S 31	S 31	S 28	S 28	S 20	S 20	S 19	S 15	S 17	S 17	S 63	10 CST

