

INTERNATIONAL AIRPORT FOR THE MONTH OF MARCH

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

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	TIME (CST)
1	W 15	WNW 17	W 15	WNW 19	WNW 22	WNW 20	WNW 22	WNW 22	WNW 26	WNW 26	WNW 33	NW 37	NW 37	NW 35	NW 31	NNW 30	NNW 30	NW 26	NW 22	NW 22	NNW 26	NNW 24	NNW 28	N 20	1303
2	N 19	N 22	NNE 20	NNE 17	NNE 17	NNE 13	NNE 13	NNE 13	NNE 20	NNE 20	NNE 17	N 19	N 17	N 20	N 19	NNE 15	NNE 15	NNE 20	NE 9	NE 6	NE 13	NE 7	NNE 6	NNE 9	0156
3	NNE 9	NNE 6	NNE 0	NNE 6	SE 6	SE 6	SE 7	SSE 6	SSE 4	S 6	S 9	S 7	S 15	S 11	S 13	SSW 24	SSW 22	SSW 19	S 13	S 17	S 17	S 17	SSW 15	SSW 11	1539
4	SW 11	SW 15	W 13	WNW 15	WNW 20	WNW 17	WNW 15	WNW 17	WNW 15	WNW 17	WNW 22	WNW 20	WNW 24	WNW 26	WNW 31	WNW 28	WNW 31	WNW 28	WNW 17	WNW 13	WNW 15	WNW 17	WNW 13	W 15	1608
5	W 19	W 17	W 19	W 20	W 22	W 20	W 19	W 20	WSW 24	WSW 24	WSW 22	WSW 17	WSW 24	WSW 28	SSW 20	SSW 30	SSW 30	SSW 33	SSW 41	SSW 31	SSW 17	SSW 26	SSW 17	W 24	1629
6	WNW 22	WNW 46	N 50	NNW 44	NNW 37	N 33	NNW 33	NNW 24	NNW 31	NNW 31	NNW 33	NNW 39	NNW 28	NNW 31	NNW 30	NNW 39	NNW 30	NNW 26	NNW 13	N 6	C 0	C 0	W 4	WSW 7	0107
7	WSW 6	WSW 4	WSW 0	WSW 2	WSW 4	E 4	E 2	E 7	ESE 7	ESE 7	SE 11	SSE 15	SSE 11	SE 13	SE 20	SE 13	ESE 13	ESE 11	E 9	ENE 13	ENE 20	ENE 20	ENE 24	ENE 20	1451
8	ENE 19	ENE 17	ENE 19	ENE 20	ENE 17	NNE 11	NNE 11	NNE 6	NNE 11	NNE 13	NNW 11	NNW 13	NNW 15	NNW 11	NNW 24	NNW 20	NNW 22	NNW 15	NNW 7	NNW 0	S 7	S 9	S 15	S 15	1017
9	S 9	S 9	S 17	S 15	S 17	S 20	S 20	SSE 20	SSE 22	SSE 39	S 41	S 52	S 43	S 46	SSE 46	SSE 48	SSE 52	S 48	S 46	S 41	S 37	S 33	S 31	S 28	1204
10	S 20	S 19	S 17	SSW 13	SSE 7	ESE 7	ESE 6	SE 7	SE 2	NNW 2	NNW 17	NNW 28	NNW 31	NNW 33	NNW 28	NNW 28	NNW 24	NNW 28	NNW 24	NNW 20	NNW 13	NNW 7	NNW 6	NNW 7	1736
11	NNE 6	NNE 4	SSW 7	SSE 7	SSE 9	SSE 13	SSE 13	SSE 20	SSE 26	SSE 26	S 31	S 35	S 43	S 44	S 41	SSE 46	SSE 63	SSE 54	SSE 56	SSE 50	SSE 41	SSE 48	S 46	2352	
12	S 50	S 48	S 48	SSE 43	SSE 39	SSE 37	SSE 31	SSE 31	SSE 44	SSE 44	S 33	S 33	S 31	S 33	S 19	WSW 19	WSW 22	WSW 26	WSW 22	WSW 19	WSW 43	WSW 41	WSW 43	WSW 57	0659
13	WNW 69	WNW 76	WNW 65	WNW 70	WNW 72	WNW 70	WNW 81	WNW 56	WNW 63	WNW 63	WNW 59	WNW 65	WNW 56	WNW 56	WNW 54	WNW 50	WNW 44	WNW 22	WNW 20	WNW 13	WNW 11	WNW 9	WNW 7	WNW 6	2113
14	SSW 6	SSW 0	SSW 2	SE 2	SE 7	SE 9	ESE 11	ESE 6	ESE 20	ESE 24	SSE 19	SSE 30	SSE 30	SSE 31	SSE 30	SSE 30	SSE 30	SSE 20	SSE 28	SSE 30	SSE 31	SSE 35	SSE 39	SSE 39	0355
15	SE 28	SE 26	SE 26	SE 30	SE 41	SE 43	SE 46	SE 35	SE 41	SE 43	SE 33	SE 37	SE 30	SE 30	SE 24	SE 24	SE 15	SE 15	SE 20	SE 31	SE 24	SE 15	SE 17	SE 11	1547
16	SE 9	SE 9	SE 9	ESE 9	ESE 6	ESE 6	ENE 7	ENE 11	ENE 9	ENE 7	NE 7	NE 13	NE 19	NE 24	NE 20	NE 20	NE 22	NE 20	NE 19	NE 17	NE 17	NE 26	NE 15	NE 17	33

HOURLY 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.	-14.5	-15.0	-16.5	-16.0	-16.3	-15.7	-16.5	-16.6	-16.0	-15.5	-15.0	-14.3	-13.9	-13.7	-13.3	-12.9	-13.3	-13.7	-14.3	-15.0	-15.7	-15.8	-16.8	-17.6
2.	-17.8	-18.5	-19.2	-20.4	-21.0	-21.8	-22.5	-23.0	-22.8	-21.7	-21.0	-19.6	-18.5	-17.4	-17.1	-16.7	-16.1	-16.0	-17.2	-17.2	-19.5	-19.4	-22.8	-23.8
3.	-23.2	-24.0	-23.5	-22.8	-19.6	-18.5	-18.3	-17.7	-17.5	-17.1	-16.3	-14.8	-12.6	-11.0	-10.1	-9.4	-9.4	-10.1	-10.3	-10.4	-11.1	-11.8	-11.7	-11.7
4.	-12.1	-12.2	-12.2	-11.7	-11.3	-12.5	-14.9	-17.1	-17.8	-16.2	-13.2	-11.6	-11.2	-9.5	-10.7	-10.0	-9.6	-10.0	-11.2	-13.3	-15.5	-14.7	-16.3	-17.0
5.	-16.0	-15.8	-16.6	-18.2	-17.8	-18.3	-18.2	-18.2	-17.0	-15.7	-13.8	-12.8	-11.2	-9.5	-7.6	-6.3	-6.0	-5.9	-8.4	-9.1	-8.5	-8.5	-8.6	-8.6
6.	-8.9	-9.0	-12.8	-16.2	-18.1	-19.6	-20.4	-21.5	-21.7	-20.7	-20.0	-19.6	-19.0	-17.7	-18.0	-17.5	-17.5	-17.5	-18.0	-20.0	-20.7	-24.1	-24.2	-21.6
7.	-21.5	-23.5	-24.9	-25.8	-25.7	-25.4	-25.3	-24.8	-23.8	-20.0	-18.0	-16.5	-15.5	-14.9	-13.9	-13.3	-12.9	-13.1	-13.6	-15.0	-16.6	-17.4	-17.3	-17.6
8.	-17.8	-18.2	-20.4	-21.7	-22.7	-23.2	-23.5	-24.5	-23.2	-21.8	-20.0	-18.3	-16.8	-15.9	-14.9	-14.7	-14.4	-14.8	-15.9	-16.6	-17.4	-17.1	-17.3	-18.0
9.	-18.6	-18.3	-18.0	-18.2	-19.1	-19.5	-19.3	-18.5	-17.2	-15.7	-14.5	-13.7	-12.1	-11.9	-11.1	-11.1	-10.5	-9.9	-9.5	-8.9	-7.7	-7.7	-8.0	-8.5
10	-9.0	-10.0	-9.5	-9.4	-9.4	-10.5	-9.5	-9.0	-8.9	-8.1	-7.5	-7.0	-7.3	-7.1	-6.8	-6.2	-6.0	-6.2	-7.2	-9.3	-10.7	-12.3	-13.5	-14.2
11	-14.8	-16.2	-14.6	-16.5	-15.8	-15.8	-14.8	-14.0	-14.0	-11.0	-8.7	-6.5	-5.2	-4.3	-3.6	-3.3	-2.9	-3.7	-3.5	-3.2	-2.9	-2.9	-2.5	-2.2
12	-1.8	-1.8	-1.6	-1.8	-1.3	-1.2	-1.0	0.0	1.3	1.3	1.2	.9	1.2	1.0	.5	1.0	1.5	1.4	.6	.8	.5	-1.3	-2.2	
13	-3.3	-4.6	-5.4	-5.8	-6.6	-6.3	-6.4	-6.0	-5.3	-5.0	-4.7	-4.5	-3.7	-3.0	-2.9	-2.5	-2.2	-2.4	-3.0	-4.6	-5.7	-6.1	-7.5	-8.0
14	-8.5	-9.9	-10.2	-9.6	-9.8	-10.4	-10.5	-9.9	-7.8	-5.3	-3.2	-1.6	.4	1.4	2.2	2.3	3.1	3.0	3.0	3.0	2.3	1.2	1.0	1.0
15	1.1	1.6	2.0	2.6	2.6	2.3	2.2	1.9	2.0	2.4	2.9	2.9	3.5	3.4	3.4	3.0	2.7	2.4	2.4	1.9	1.3	1.2	1.2	1.0
16	.9	.9	.9	.9	.9	.8	.2	.6	1.0	1.1	1.4	1.9	1.9	2.3	2.0	3.1	3.4	2.4	1.9	1.3	1.3	1.2	1.0	.9
17	1.1	1.1	1.1	.5	.1	-.1	-.4	-.7	-1.0	-1.3	-1.8	-1.7	-2.7	-4.1	-4.2	-5.1	-5.5	-6.0	-6.1	-6.5	-6.6	-7.0	-8.0	-8.8
18	-9.5	-10.2	-11.0	-11.5	-11.8	-12.3	-12.3	-13.2	-13.9	-14.1	-13.8	-13.1	-12.2	-11.1	-10.3	-9.6	-9.5	-9.6	-9.5	-9.9	-9.7	-10.0	-11.3	-11.3
19	-11.2	-11.3	-10.5	-9.5	-10.0	-10.3	-11.0	-10.7	-9.8	-9.2	-7.8	-6.4	-4.9	-3.0	-1.8	-1.5	-1.3	-1.1	-2.3	-3.7	-4.2	-5.8	-6.5	-8.0
20	-9.8	-8.9	-9.0	-9.0	-9.9	-10.5	-11.1	-11.5	-10.5	-8.8	-7.0	-5.2	-3.4	-2.2	-1.7	-1.0	.2	.5	.2	-3.0	-3.5	-5.4	-6.1	-7.0
21	-7.2	-7.1	-7.0	-6.6	-6.1	-5.5	-4.8	-3.9	-2.8	-2.3	-1.0	-.4	.5	1.5	2.7	3.5	3.7	3.5	2.6	.5	-.8	-.5	-1.6	-2.5
22	-3.2	-4.1	-5.1	-6.1	-6.4	-6.6	-6.2	-6.3	-6.4	-4.5	-2.6	-1.6	-.8	-.1	-.1	.6	1.4	.9	.1	.1	.5	.8	1.0	.5
23	-1	-4	-4	-1.5	-2.1	-2.4	-2.5	-2.4	-1.0	-.4	0.0	1.1	1.0	1.0	1.4	.9	1.0	1.7	.5	.1	.1	-.1	-.3	-.8
24	-2.3	-3.8	-4.2	-4.5	-5.4	-6.4	-7.1	-7.2	-7.8	-7.5	-7.2	-6.5	-5.2	-4.5	-4.0	-3.7	-3.6	-3.5	-3.8	-4.7	-5.7	-7.0	-7.8	-8.6
25	-9.5	-10.4	-11.0	-11.6	-11.8	-12.4	-12.6	-12.9	-11.5	-9.8	-8.4	-7.4	-7.1	-6.5	-6.1	-5.9	-5.0	-5.4	-5.6	-6.7	-7.2	-7.8	-8.0	-8.4
26	-9.0	-9.8	-10.4	-11.3	-11.6	-12.3	-13.0	-13.3	-12.0	-9.4	-6.9	-5.4	-4.9	-4.1	-3.8	-3.6	-3.3	-2.9	-2.6	-3.6	-5.0	-6.0	-6.5	-6.2
27	-6.3	-7.0	-7.7	-8.0	-8.5	-8.5	-8.8	-8.5	-6.5	-4.5	-2.2	-.6	.2	.7	.4	1.4	.7	.5	.4	0.0	-.1	-.6	-.3	-.3
28	-1	-1	-1	.6	.4	0.0	-.4	-.3	.5	3.0	4.2	4.7	4.8	5.7	7.2	7.5	7.3	7.5	5.8	3.8	3.5	4.0	4.0	3.4
29	2.5	1.9	2.1	2.5	2.5	3.0	3.0	3.3	4.2	4.1	4.0	4.3	4.8	4.8	4.8	5.0	5.5	5.3	4.5	4.3	3.9	4.0	3.9	3.7
30	3.5	3.9	4.1	3.9	4.0	3.9	3.7	3.9	3.8	4.0	4.0	4.3	4.6	4.8	4.7	4.4	4.0	3.7	3.3	2.4	.8	.5	.6	.9
31	1.4	1.9	2.3	1.2	.6	.1	-.4	-1.7	-2.7	-3.1	-3.1	-3.5	-4.1	-4.5	-4.6	-4.1	-3.9	-3.6	-4.8	-6.1	-7.2	-7.3	-7.6	-8.0
MEAN	-7.8	-8.2	-8.6	-8.9	-9.2	-9.4	-9.6	-9.7	-9.1	-8.1	-7.1	-6.2	-5.4	-4.8	-3.2	-3.9	-3.7	-3.8	-4.4	-5.3	-5.9	-6.4	-7.0	-7.3

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS				MARCH / MARS			19 82				
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) — 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						
		VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU			YEARS OF RECORD ANNÉES D'OBSERVATIONS
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		8.2	28	14.8	24	8.1	23.3	27	1946	-1.7	24	1899	
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-26.4	7	-16.8	6	-28.7	-10.6	24	1978	-38.9	3	1873	111
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		- 7.3		- 1.0		- 8.1	1.6		1878	-16.1		1899	111
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		25.2		5.8		6.1	67.8		1945	(Nil	Several)		111
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		9.4		7.6		21.1	76.2		1904	.8		1946	111
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		35.8		14.6		26.2	76.2		1904	1.5		1939	111
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		11		5		10	17		1944	3	(several)		99
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		14.2	30	4.4	25		32.0	9	1878				111
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		3.2	12	6.3	25		38.1	4	1935				111
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		16.2	30	12.5	25		38.1	4	1935				111
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:					25								
5 MINUTES		0.5	30	0.2	27		0.8	10	1973				14
10 MINUTES		0.7	30	0.4	25		1.0	10	1973				14
15 MINUTES		1.5	30	0.8	25		1.8	10	1973				14
30 MINUTES		2.7	30	1.2	25		2.7	30	1982				14
60 MINUTES		4.2	30	1.6	25		4.2	30	1982				14
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		14.2	30	4.4	25		32.0	9	1878				111
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		23.4		15.5		19.6	25.6		1944	12.6		1924	62
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		WNW 81	13	N 43		56	WNW 81	13	1982				44
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		WNW 106	13	NNW 57 WNW 57	11 25	78	N 113	4	1966				44
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		178.4		201.2		170.4	217.4		1970	103.0		1903	83
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.54		98.70		98.82	99.83		1947	98.09		1945	44
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		100.37	26	100.16	7	100.50	101.80	12	1951				44
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		95.01	12	97.00	14	96.60				95.01	12	1982	44
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES												YEARS DERNIÈRE ANNÉES	
YEAR ANNÉE	MAXIMUM TEMP. TEMP. MAXIMALE	MINIMUM TEMP. TEMP. MINIMALE	MEAN TEMP. 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 DEGRES-JOURS DE CHAUFFE	GROWING DEGREE-DAYS DEGRES-JOURS DE CROISSANCE		
1973	15.6	-12.2	0.5	3.0	10.2	13.7	17.2	S 52	149.9	540.0	6.1		
1974	2.8	-32.2	-11.2	0.8	14.5	15.2	19.3	N 52	182.5	901.7			
1975	3.8	-27.9	-10.8	1.5	19.5	18.9	20.3	NNE48	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	NNE67	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	WSW63	142.7	864.2	0.0		
1980	8.0	-30.7	-10.0	TR.	13.6	13.2	14.9	NNW56	206.4	868.4	0.0		
1981	14.8	-16.8	-1.0	5.8	7.6	14.6	15.5	N 43	201.2	589.7	3.0		
1982	8.2	-26.4	-7.3	25.2	9.4	35.8	23.4	WNW81	178.4	782.2	0.0		