

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS OCTOBER / OCTOBRE

19 76

AT/A WINNIPEG INTERNATIONAL AIRPORT / A L'AEROPORT INTERN. DE WINNIPEG, MAN.

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: 786 FEET (ASL) ALTITUDE: PIEDS (MER)		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 BASE 18.0°C	GROWING DE CROISSANCE BASE 5.0°C	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR) mm	SNOWFALL NEIGE (HAUTEUR) cm	TOTAL PRECIP. PRÉCIP. TOTALE mm		AVERAGE SPEED VITESSE MOYENNE km/h	PREVAILING DIRECTION DIRECTION DOMINANTE NNE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION km/h					
1	22.2	2.7	12.5	5.5	7.5	97	27						11.7	WNW	WSW	19*	9.3			
2	23.7	1.9	12.8	5.2	7.8	84	19						18.7	ESE	ESE	37*	7.4			
3	28.1	10.1	19.1	0.0	14.1	79	30		1.0	1.0			38.0	SSE	SSE	52	4.7			
4	10.2	0.0	5.1	12.9	0.1	85	29						30.2	WSW	W	46	7.4			
5	2.4	-1.6	0.4	17.6	0.0	79	54						22.6	W	W	35	0.0			
6	4.4	0.1	2.3	15.7	0.0	75	49			Tr.			15.2	NW	NW	26*	0.0			
7	6.6	-4.4	1.1	16.9	0.0	78	33		.5	.5			15.8	S	S	31	4.8			
8	10.4	0.1	5.3	12.7	0.3	97	61		1.0	1.0			24.0	NW	NNW	37	2.6			
9	11.7	1.7	6.7	11.3	1.7	88	53						9.2	WNW	E	17	4.4			
10	18.9	-0.4	9.3	8.7	4.3	93	33						19.3	SSE	SSE	31	8.5			
11	21.5	4.4	13.0	5.0	8.0	85	32		Tr.	Tr.			17.7	S	NNW	33*	9.4			
12	17.1	2.9	10.0	8.0	5.0	91	24		Tr.	Tr.			20.0	WNW	NW	37*	6.0			
13	14.1	-0.4	6.9	11.1	1.9	67	26		Tr.	Tr.			17.9	W	WNW	26	5.5			
14	11.7	1.4	6.6	11.4	1.6	93	31		Tr.	Tr.			35.0	WNW, W	WNW	50*	5.8			
15	4.6	-3.9	0.4	17.6	0.0	87	52			Tr.			37.0	NNW	NNW	54	0.5			
16	4.3	-7.3	-1.5	19.5	0.0	94	50			Tr.			11.1	NW	NW	24	0.7			
17	4.4	-6.6	-1.1	19.1	0.0	85	44						7.2	E, SE	S	13*	5.7			
18	4.9	-11.8	-3.5	21.5	0.0	91	39						7.3	SE	NNE	13*	5.1			
19	8.3	-5.1	1.6	16.4	0.0	90	34		Tr.	Tr.			18.9	S	S	37	3.4			
20	4.4	-3.1	0.7	17.3	0.0	95	57			Tr.			24.9	WNW	NW	43	0.1			
21	1.6	-7.7	-3.1	21.1	0.0	91	60						23.3	WNW	WNW	37	1.2			
22	1.1	-8.1	-3.5	21.5	0.0	87	50			Tr.			13.1	W, WNW	WNW	22	3.8			
23	-0.4	-10.3	-5.4	23.4	0.0	84	49			Tr.			11.0	NW	WNW	22	2.4			
24	-0.1	-11.6	-5.9	23.9	0.0	88	43						9.4	SW	W	15	1.2			
25	-1.2	-13.9	-7.6	25.6	0.0	89	54			Tr.			10.2	ENE	E	19	0.0			
26	0.3	-16.6	-8.2	26.2	0.0	91	39						8.9	S	S	26	6.4			
27	4.3	-8.8	-2.3	20.3	0.0	78	53						30.5	S	SSW	44	0.8			
28	16.3	0.5	8.4	9.6	3.4	80	36						24.0	S	WNW	33	8.1			
29	14.7	-3.1	5.8	12.2	0.8	86	33		Tr.	Tr.			12.2	NW	NW	30	3.4			
30	9.1	-6.2	1.5	16.5	0.0	88	24						10.1	WSW	WSW	17*	3.3			
31	9.0	-5.9	1.6	16.4	0.0	92	47						12.5	SE	SE	22*	8.1			
MEAN MOYENNE	9.3	-3.6	2.9	TOTAL 470.1	TOTAL 56.5	87	41	TOTAL *	TOTAL 2.5	TOTAL Tr.	TOTAL 2.5		18.3	PREVAILING W, WNW DOMINANTE	MAXIMUM NNW	54	TOTAL 130.0			
NORMAL NORMALE	11.9	1.1	6.6	354.4	107.2			0.5	29.2	5.6	34.8		20.3	S			158.4			
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	470.1	345.7	354.4	TOTAL FOR MONTH TOTAL DU MOIS	56.5	95.7	107.2	3	2	0	0	0	0	0	0	0	0			
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{ER} JUILLET	676.3	637.3	584.5	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{ER} AVRIL	1883.0	1765.1	1798.5													

UDC 551.506.1 ()

* Unofficial

Thunder on October 3rd

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

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS										OCTOBER / OCTOBRE		19 76	
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		28.1	3	26.6	8	23.9	30.0	1	1922	13.3	3	1969	105		
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-16.6	26	-6.1	26	-8.3	-1.7	8	1927	-20.6	26	1936	105		
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		2.9		6.9		6.6	12.8		1963	0.3		1887	105		
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		2.5		36.7		29.2	142.0		1898	.3		1933	105		
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		Tr.		2.8		5.6	38.6		1919	N11	SVRL		105		
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		2.5		38.3		34.8	144.0		1898	5.3		1974 1906 1920 1906 1963	105		
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		3		7		8	16		1898	2			93		
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		1.0	3,8	29.7	14		74.4	10	1949				105		
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		Tr.	SVRL	2.0	28		24.6	30	1971				105		
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		1.0	3,8	30.0	14		74.4	10	1949				105		
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:															
5 MINUTES		.5	3	1.8	9		3.3	11	1960				17		
10 MINUTES		.5	3	1.8	9		3.8	11	1960				17		
15 MINUTES		.5	3	2.3	14		4.6	15	1968				17		
30 MINUTES		.5	3	3.6	14		7.4	15	1968				17		
60 MINUTES		.5	3	5.8	14		10.2	15	1968				17		
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		1.5	7-8	29.7	14		74.4	10	1949				105		
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		18.3		18.3		20.3	25.7		1949	12.7		1925	56		
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		NNW54	15	WNW 50	5	58	NW 85	10	1949				38		
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		SSW91	3	W 76	5	85	N 114	15	1952				38		
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		130.0		137.3		158.4	235.9		1963	72.4		1917	77		
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.8		98.3		98.5	99.1		1957	98.2		1968 1973	38		
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		100.7	26	100.1	29	100.3	100.9	6	1954			1966	38		
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.1	14	96.9	5	96.5				93.9	10	1949	38		
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				
1967	22.8	-6.7	4.4	37.8	7.4	45.2	22.0	S 64	107.9	418.3	46.1				
1968	20.0	-5.6	5.7	37.1	2.8	40.4	20.3	NE 56	133.8	378.3	49.4				
1969	13.3	-8.3	2.5	21.3	6.9	27.2	18.2	SE 42	79.3	477.2	21.1				
1970	20.0	-6.7	6.0	22.4	4.3	26.7	20.4	NW 51	149.3	370.0	77.2				
1971	19.4	-10.0	6.3	41.9	30.4	72.1	18.2	NNW 48	117.5	358.9	88.9				
1972	20.6	-13.3	2.4	11.2	15.2	24.6	16.9	NNW 56	168.2	479.4	42.8				
1973	23.3	-3.9	7.8	34.8	2.3	37.1	18.3	SSE 48	154.7	310.6	110.6				
1974	26.1	-7.2	5.9	3.3	2.5	5.3	17.7	NW, SSE 51	167.8	371.1	65.0				
1975	26.6	-6.1	6.9	36.7	2.8	38.3	18.3	WNW 50	137.3	345.7	95.7				
1976	28.1	-16.6	2.9	2.5	Tr.	2.5	18.3	NNW 54	130.0	470.1	56.5				

October weather was driest on record in Winnipeg. Precipitation of 2.5 mm was the least measured in any October since 1872. Dry air in October also registered the lowest vapour pressure and relative humidity of any October on record.

Temperatures averaged 3.7 degrees lower than normal, but the month began with a warm spell. October 3 warmed to a new record of 28.1C for that date; but a sudden change to cold weather held the October 5 maximum to the lowest on record at 2.4C. October 18 was coldest on record with a minimum of -11.8C.

In the dry weather, peat bogs burned to the northeast of Winnipeg and sent smoke drifting through the city. It cut visibility on eight days during October to make this the smokiest October on record in Winnipeg.

DAILY WEATHER SUMMARY FOR OCTOBER 1976AT WINNIPEG, MANITOBA

1. Above normal temperatures. Mostly sunny. Light winds. Light smoke and fog in the morning.
2. Above normal temperatures. Mostly sunny. Heavy smoke morning and afternoon. Visibility severely reduced. Gusty winds in evening.
3. Warm. Record high temperature. Showers 6:15 p.m. to 9:35 p.m. Lightning and thunder reported in some parts of the city. Strong gusty southerly winds.
4. Below normal temperature. Partly cloudy. Gusty westerly winds.
5. Cold. Cloudy. Gusty west winds in the morning. Record low maximum temperature.
6. Cold. Cloudy. Snow 7:29 a.m. to 7:42 a.m. 11:14 a.m. to 5:20 p.m. Mostly light winds except gusts near mid-day.
7. Cold. Partly cloudy. Rain showers 11:36 p.m. continued. Gusty south winds late evening.
8. Below normal temperatures. Mostly cloudy. Rain or rainshowers to 2:51 a.m. 12:22 p.m. to 2:44 p.m. Gusty northwest winds mid-day.
9. Near normal temperatures. Mostly cloudy. Light winds.
10. Above normal temperatures. Mostly sunny. Smoke in morning. Visibility restricted.
11. Above normal temperatures. Partly cloudy. Rain 05:05 a.m. to 5:23 a.m. Gusty north winds in afternoon.
12. Above normal temperatures. Partly cloudy. Showers 9:46 a.m. to 10:03 a.m. Gusty northwest winds in afternoon.
13. Normal temperatures. Partly cloudy. Showers 9:50 p.m. to 10:10 p.m. Mostly light winds.
14. Normal temperatures. Partly cloudy. Showers 00:10 to 3:07 a.m. 3:20 p.m. to 8:10 p.m. Smoke in morning. Visibility restricted. Strong gusty west winds.
15. Cold. Cloudy. Snow 00:25 a.m. to 6:20 a.m. 2.25 p.m. to 10:18 p.m. Strong gusty north-northwest winds.
16. Cold. Cloudy. Snowflurries 1:28 p.m. to 1:35 p.m. Light winds.
17. Cold. Partly cloudy. Light winds. Smoke in afternoon and evening. Visibility restricted.
18. Cold. Partly cloudy. Light winds. Smoke until 5:21 p.m. 10:55 p.m. to 11:20 p.m. Visibility reduced. Record low temperature.
19. Below normal temperatures. Partly cloudy. Rain showers 6:08 p.m. to 10:20 p.m. Gusty south winds in afternoon.
20. Below normal temperatures. Cloudy. Rain showers 00:45 a.m. to 1:12 a.m. Snowflurries. Snow grains or snow pellets 7:51 a.m. to 10:15 p.m. Gusty west-northwest winds in afternoon.
21. Cold. Cloudy. Gusty west-northwest wind in morning.
22. Cold. Mostly cloudy. Snowflurries 7:10 to 10:03 a.m. Gusty northwest wind in morning otherwise light.
23. Cold. Mostly cloudy. Snowflurries 5:35 a.m. to 09:18 a.m. 1:27 p.m. to 2:20 p.m. Light winds.
24. Cold. Cloudy. Light winds.
25. Cold. Cloudy. Light winds. Snowflurries 7:07 a.m. to 10:47 p.m. Smoke in morning. Visibility restricted.
26. Cold. Partly cloudy. Mostly light winds. Smoke in morning. Visibility restricted.
27. Below normal temperatures. Cloudy. Strong gusty southwesterly winds.
28. Mild. Sunny. Gusty south wind in morning.
29. Above normal temperature. Mostly cloudy. Showers 8:27 a.m. to 9:21 a.m. Gusty northwest wind in afternoon otherwise light.
30. Normal temperatures. Cloudy till late afternoon. Light winds.
31. Normal temperatures. Sunny. Light winds.

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.	8.7	5.4	5.7	4.3	4.3	3.1	4.1	4.1	6.3	11.1	15.6	17.8	18.7	20.0	21.4	21.7	21.3	20.2	18.0	13.3	11.2	9.8	7.8	7.6
2.	5.4	5.7	4.4	5.0	6.6	3.4	2.4	3.3	8.3	11.2	15.0	16.8	19.9	21.9	22.6	23.4	21.8	20.7	19.7	18.7	17.6	17.1	16.6	16.2
3.	16.1	15.9	16.0	16.0	15.4	15.4	15.2	16.5	17.9	17.9	20.8	23.8	24.8	24.4	25.5	26.1	26.7	25.6	26.0	24.9	20.3	12.8	11.6	10.6
4.	10.2	9.8	8.5	7.4	6.7	5.7	5.4	4.8	5.2	6.4	7.1	7.6	8.1	8.1	7.9	6.7	6.9	6.1	5.4	3.4	2.4	1.3	.7	.4
5.	.0	-.9	-.7	-1.1	-1.5	-1.5	-1.0	-.9	-.2	.4	1.1	1.4	1.6	1.7	1.7	1.9	2.3	2.2	2.1	1.7	1.1	1.3	1.4	1.1
6.	1.4	1.2	1.4	1.1	.6	.7	.7	.6	.9	1.4	2.2	3.1	3.9	3.9	4.0	3.9	3.6	3.3	3.1	2.5	2.1	1.6	1.3	.9
7.	.6	-.6	-3.3	-3.9	-2.3	-2.2	-1.9	-3.3	-2.3	1.1	1.4	3.4	3.6	4.2	5.7	6.1	6.0	5.8	5.6	5.2	4.8	4.5	4.6	4.6
8.	2.5	2.8	2.7	2.8	2.8	3.3	3.2	2.0	4.3	6.7	9.4	9.8	10.1	8.9	8.5	9.3	9.8	9.1	8.3	7.8	6.9	6.1	3.9	1.4
9.	2.1	2.9	4.1	4.1	4.2	4.3	4.3	4.0	4.7	5.6	6.6	7.2	8.2	9.9	9.9	10.4	10.0	9.3	7.8	6.2	4.1	3.6	2.4	2.4
10	1.7	2.2	.4	.8	.0	.4	-.2	.6	2.7	5.6	9.2	12.3	15.2	16.8	18.1	18.0	17.3	16.5	15.2	14.6	14.4	12.8	11.0	11.6
11	12.2	12.4	12.7	11.9	11.0	10.7	9.7	7.3	8.8	11.7	13.0	15.2	17.3	19.8	20.6	20.0	19.4	17.8	14.4	11.8	9.4	8.9	6.1	7.2
12	4.6	4.6	3.2	3.9	3.3	4.1	3.9	4.3	5.6	8.7	9.8	12.4	15.2	15.9	16.7	15.5	14.6	12.8	10.4	8.8	6.4	7.2	6.1	6.1
13	4.2	3.9	3.6	1.7	1.6	1.1	1.1	-.2	1.6	5.6	8.8	11.6	12.3	13.7	12.4	12.1	11.7	9.4	8.9	9.0	9.1	9.4	9.4	9.8
14	9.8	9.6	9.6	9.8	10.3	10.4	10.4	9.6	11.1	11.5	11.1	10.6	10.7	9.6	8.1	7.8	7.2	5.6	3.3	3.2	2.5	2.1	2.4	2.9
15	2.7	1.6	1.3	.9	.5	.6	.3	.2	.5	1.1	1.8	2.2	2.8	3.0	3.9	2.8	2.8	2.2	1.5	.1	.4	-.4	-.8	-2.1
16	-3.6	-4.4	-6.5	-6.4	-6.0	-6.7	-6.4	-5.7	-3.6	-1.1	.7	2.0	2.8	3.5	3.3	3.8	3.3	2.6	1.8	1.6	1.0	.2	-1.2	-1.0
17	-1.4	-5.1	-6.1	-5.8	-5.6	-5.5	-4.8	-4.4	-4.6	-.1	1.4	2.4	2.8	3.3	3.2	3.4	3.3	1.7	.6	-1.0	-1.8	-1.8	-1.2	-3.4
18	-4.2	-3.4	-5.9	-6.0	-6.4	-8.4	-8.4	-9.7	-11.8	-9.6	-.6	3.3	3.9	4.3	4.3	3.7	3.6	2.9	.4	-2.1	-2.3	-2.5	-3.7	-2.1
19	-1.7	1.6	-.8	-1.8	-1.7	-2.9	-4.7	-4.4	-3.3	-1.7	1.0	4.2	4.6	5.5	6.9	7.9	7.9	7.8	7.4	6.8	6.0	3.2	2.2	2.3
20	2.7	2.6	2.4	2.0	2.1	2.2	2.2	1.9	2.2	2.2	2.7	3.2	3.1	3.4	4.0	2.5	2.6	1.7	.6	-1.0	-1.2	-2.1	-1.8	-2.7
21	-3.1	-2.7	-3.4	-2.9	-2.8	-2.1	-1.8	-1.7	-1.5	-.9	.3	.6	.6	.7	1.1	1.6	.2	-.6	-1.8	-5.0	-5.1	-7.0	-7.7	-6.1
22	-5.2	-4.6	-4.4	-4.6	-4.6	-4.8	-4.6	-4.4	-4.4	-3.9	-2.7	-1.8	-1.0	-.1	.3	.2	.2	-.8	-2.7	-3.7	-3.7	-4.4	-5.1	-7.8
23	-7.3	-5.2	-4.8	-4.4	-6.0	-5.4	-4.9	-4.8	-4.1	-3.6	-2.4	-1.7	-1.5	-1.5	-1.7	-1.9	-2.3	-3.6	-6.1	-7.8	-8.8	-9.3	-9.1	-9.1
24	-7.3	-6.1	-5.6	-6.1	-5.6	-5.8	-5.6	-5.8	-6.1	-5.1	-3.4	-2.7	-1.8	-1.3	-1.1	-1.2	-1.2	-1.6	-2.3	-4.4	-6.1	-10.6	-9.3	-11.6
25	-10.0	-11.7	-13.7	-11.0	-10.1	-7.4	-6.7	-6.8	-5.3	-4.1	-3.3	-2.3	-1.7	-2.1	-1.8	-1.7	-2.2	-2.4	-2.8	-2.8	-2.9	-3.3	-3.6	-3.5
26	-5.5	-6.6	-6.2	-11.5	-12.9	-14.9	-15.3	-15.0	-15.0	-9.4	-4.6	-2.1	-.7	-1.7	.0	.0	-.3	-2.5	-3.3	-5.8	-5.9	-7.7	-7.6	-6.3
27	-7.2	-8.3	-8.6	-8.5	-7.7	-6.7	-6.1	-6.2	-6.2	-4.3	-2.4	1.0	2.9	3.3	3.5	3.9	3.9	3.5	2.9	2.6	1.8	2.1	2.1	1.8
28	1.2	1.1	1.1	1.3	.7	.9	.7	1.3	1.9	3.9	7.6	11.9	14.6	16.1	15.6	15.1	13.5	11.9	7.7	6.1	6.1	4.4	5.4	5.5
29	4.7	4.9	5.2	5.6	4.9	5.0	4.2	4.1	5.4	6.7	8.7	10.1	11.3	13.8	14.1	13.9	12.4	10.6	8.3	3.9	4.8	5.3	3.2	-1.2
30	-2.3	-4.0	-4.6	-3.8	-5.6	-5.6	-5.0	-4.8	-3.9	-1.9	.7	2.7	4.3	6.7	7.8	7.2	7.6	5.7	2.8	1.7	.9	.0	-6	.1
31	-.6	-1.2	-2.2	-2.4	-2.8	-2.8	-3.7	-5.0	-4.2	-1.7	1.7	4.4	6.7	7.9	8.3	8.6	8.4	5.6	2.2	3.3	4.3	5.1	4.4	4.4

MEAN	1.0	.7	.2	.0	-.1	-.3	-.4	-.6	.4	2.5	4.5	6.1	7.2	7.9	8.2	8.1	7.8	6.7	5.4	4.0	3.3	2.3	1.7	1.3
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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.	7.1	4.6	4.9	3.9	3.9	2.8	3.9	3.9	5.6	7.9	9.9	10.7	11.1	11.1	11.5	11.7	11.7	10.7	9.7	7.4	6.3	5.4	4.7	4.6
2.	3.6	3.8	2.8	4.5	2.1	2.1	1.4	2.0	5.7	6.9	8.6	9.5	10.6	11.5	11.3	10.8	10.9	10.6	10.0	9.7	9.8	9.6	9.6	9.2
3.	8.9	8.6	8.8	8.4	8.4	8.4	8.7	9.8	9.8	11.2	12.8	14.3	14.6	14.6	15.1	15.6	15.8	15.7	15.7	14.9	14.3	10.8	9.6	8.9
4.	8.3	7.6	6.1	5.2	4.4	3.3	2.8	2.0	2.2	2.8	3.2	2.8	3.0	2.4	2.0	1.2	1.7	1.1	.4	.0	-.9	-1.7	-1.3	-5
5.	-2.5	-2.5	-2.6	-2.8	-3.1	-3.1	-2.8	-2.8	-1.4	-2.2	-1.3	-1.2	-1.3	-1.1	-1.1	-1.0	.4	-.3	-.6	-1.0	-1.1	-1.0	-1.1	-1.0
6.	-.9	-.9	-.9	-.4	-1.2	-1.2	-1.3	-1.4	-1.2	-.9	.0	.1	.3	.4	.6	.6	.6	.2	.1	-.1	-.4	-.9	-.7	-.9
7.	-1.3	-2.2	-4.3	-5.1	-3.8	-3.6	-3.4	-4.4	-3.3	-1.1	-.8	.3	-.2	.0	.9	1.1	1.1	1.1	.8	-.1	-.3	-.4	-.4	-.1
8.	.7	1.2	1.6	1.6	1.7	1.9	1.9	1.2	3.1	5.3	7.3	7.3	7.1	6.3	7.1	6.5	6.0	5.6	5.5	5.4	5.1	3.1	1.2	1.2
9.	1.7	2.2	2.9	2.9	3.0	3.1	3.1	3.0	3.5	3.8	3.9	4.4	5.3	6.1	6.2	6.3	5.8	5.6	4.1	2.4	2.4	2.2	1.4	1.4
10	.8	1.3	-.3	.1	-.6	-.1	-.6	.1	1.9	3.9	6.2	7.9	8.9	9.9	10.1	9.9	10.0	9.7	9.0	8.8	8.4	7.8	6.8	7.1
11	7.4	7.7	7.7	7.2	6.8	6.7	6.2	5.1	5.1	7.3	8.6	9.9	10.7	11.5	11.7	11.8	11.2	10.8	9.1	8.2	6.6	6.7	4.6	5.7
12	3.7	3.4	2.6	2.9	2.3	3.2	2.9	2.8	3.0	4.6	6.1	7.8	8.8	8.1	7.8	7.1	6.5	5.9	5.8	4.4	4.0	2.8	4.1	3.1
13	1.6	1.6	1.1	-.4	-.8	-1.3	-1.1	-2.1	-.6	2.3	4.5	6.1	6.1	6.2	5.1	4.8	4.6	3.7	3.3	2.9	3.5	3.4	3.4	3.4
14	3.5	3.4	3.5	3.7	4.1	4.4	4.4	4.3	6.1	7.0	6.6	5.0	4.4	3.8	2.8	2.8	2.7	2.6	2.1	2.1	1.9	1.7	1.7	2.0
15	1.2	.2	-.3	-.6	-.6	-.8	-.9	-1.3	-1.1	-.6	-.2	-.2	-.1	.0	.7	-.5	.4	.2	-.2	-1.1	-.7	-1.3	-1.6	-2.7
16	-4.1	-4.7	-6.6	-6.4	-6.0	-6.8	-6.7	-6.2	-4.1	-1.9	-.9	.0	.1	.1	.1	.1	.1	.1	-.8	-.8	-1.3	-1.8	-2.8	-2.7
17	-3.1	-5.7	-6.5	-6.3	-6.1	-5.6	-5.3	-5.3	-5.3	-2.3	-1.7	-1.2	-1.1	-.6	.0	-.6	-.6	-1.7	-2.7	-3.3	-3.8	-3.7	-3.4	-5.1
18	-5.5	-4.9	-6.7	-6.7	-6.9	-8.8	-9.8	-11.8	-9.6	-3.9	-1.7	-.1	-.4	-.1	.3	.7	-.6	-1.0	-2.7	-4.4	-4.4	-4.1	-5.0	-3.7
19	-3.6	-3.4	-3.0	-3.8	-3.8	-4.6	-5.9	-5.6	-4.9	-3.7	-2.2	-.4	-.1	.6	1.8	2.9	3.3	3.3	2.9	2.8	2.7	2.4	1.7	1.8
20	1.8	1.4	1.3	.9	1.0	1.1	.8	.6	.9	1.0	1.2	1.1	1.1	1.1	1.1	.1	.0	-1.1	-1.7	-2.4	-2.6	-2.4	-2.1	-3.0
21	-3.2	-3.1	-3.9	-3.5	-3.4	-2.8	-2.8	-2.8	-2.7	-2.4	-1.7	-1.4	-1.3	-1.2	-1.2	-1.0	-2.0	-2.4	-3.3	-5.6	-6.6	-7.2	-7.8	-6.3
22	-5.6	-5.2	-5.0	-5.0	-5.1	-5.2	-5.1	-5.0	-5.1	-4.8	-4.5	-4.2	-3.8	-2.4	-2.3	-2.3	-2.2	-3.1	-4.4	-4.9	-5.1	-5.7	-6.2	-8.3
23	-7.8	-6.0	-5.7	-5.4	-6.6	-6.0	-5.4	-5.5	-5.1	-5.3	-4.7	-4.2	-4.3	-4.1	-4.3	-4.6	-4.0	-5.4	-7.4	-8.9	-9.7	-9.4	-10.1	-9.8
24	-8.3	-7.3	-7.2	-7.6	-7.3	-7.4	-7.3	-7.3	-7.4	-6.6	-5.4	-5.1	-4.6	-4.4	-4.1	-4.3	-4.2	-3.9	-3.9	-5.9	-7.2	-10.7	-9.4	-11.8
25	-10.4	-11.9	-13.7	-11.1	-10.2	-7.8	-6.9	-7.2	-5.9	-5.2	-4.6	-4.0	-3.7	-4.3	-4.2	-4.0	-4.1	-4.4	-4.8	-4.8	-4.8	-4.9	-5.2	-5.1
26	-6.2	-7.2	-6.7	-11.7	-12.9	-15.0	-15.3	-15.0	-15.0	-9.4	-5.6	-4.7	-3.2	-4.3	-2.8	-2.8	-3.9	-5.2	-5.7	-7.5	-7.4	-8.9	-8.8	-7.8
27	-8.5	-9.4	-9.6	-9.6	-8.9	-8.2	-7.7	-7.8	-7.8	-6.0	-4.3	-1.2	.1	.2	.4	.8	.8	.6	.4	.3	-.1	.2	.3	.1
28	-.2	-.2	-.4	-.1	-.6	-.5	-.5	-.1	.3	1.7	4.0	6.7	8.2	8.9	8.4	8.3	7.6	6.7	4.1	3.2	3.3	2.2	2.9	3.2
29	2.8	2.8	3.1	3.3	2.8	2.8	2.3	1.6	2.8	4.3	6.1	6.7	7.2	8.3	7.2	6.7	6.2	5.0	3.9	1.0	1.6	2.2	.6	-2.4
30	-2.9	-4.6	-5.0	-4.3	-6.1	-5.9	-5.4	-5.2	-4.4	-2.9	-1.3	-.2	.6	1.8	2.0	1.1	2.1	1.2	-.6	-1.5	-2.0	-2.6	-2.8	-2.3
31	-2.4	-2.8	-3.4	-3.4	-3.6	-3.8	-4.3	-5.2	-4.4	-2.1	-.1	1.7	2.9	3.9	4.4	4.3	4.1	2.2	.1	.8	1.4	1.4	.8	.7

MEAN	-0.7	-0.9	-1.4	-1.5	-1.7	-1.8	-1.9	-2.0	-1.2	.3	1.6	2.4	2.8	3.1	3.2	3.1	3.0	2.4	1.6	.8	.4	.0	-.3	-.6
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ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF OCTOBER

ALL TIMES ARE C.S.T.

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 GUST	HOUR
1	N 17	N 13	NNE 9	NNE 13	NNE 9	W 11	W 9	W 7	WSW 13	WSW 11	WSW 19	WSW 19	WSW 17	WSW 17	WSW 13	W 6	NNW 19	NNE 13	NNE 13	NNE 7	NNE 4	NNE 0	NNE 7	ESE 48	22	CST
2	NNE 4	NNE 0	NNE 7	NNE 13	NNE 4	E 11	E 11	E 11	ESE 13	ESE 13	ESE 13	ESE 13	ESE 26	ESE 24	ESE 24	ESE 28	ESE 30	ESE 26	ESE 30	ESE 31	ESE 28	ESE 35	ESE 37	SSW 91	20	CST
3	SE 33	SE 33	SE 37	SE 31	SE 33	SSE 35	SSE 35	SSE 37	SSE 43	SSE 43	SSE 52	SSE 48	SSE 48	SSE 46	SSE 46	SSE 46	SSE 48	SSE 41	SSE 37	SSE 41	WSW 33	WSW 30	WSW 39	W 72	14	CST
4	W 28	W 26	W 30	W 19	W 22	WSW 22	WSW 22	WSW 24	WSW 24	WSW 31	WSW 26	WSW 46	WSW 44	WSW 37	WSW 44	WSW 39	WSW 35	WSW 31	WSW 33	WSW 26	WSW 30	WSW 28	WSW 31	W 48	08	CST
5	WSW 24	WSW 24	WSW 28	WSW 26	WSW 28	W 28	W 28	W 30	W 30	W 35	W 31	W 28	W 26	W 26	W 26	W 20	W 20	W 22	W 17	W 9	W 11	W 9	W 6	NW 33	12	CST
6	W 9	W 7	NNW 11	NNW 11	NNW 6	NNW 9	NNW 9	NNW 9	NNW 15	NNW 13	NNW 17	NNW 26	NNW 26	NNW 24	NNW 24	NNW 26	NNW 24	NNW 24	NNW 24	NNW 15	NNW 15	NNW 11	NNW 17	S 37	17	CST
7	N 11	NNW 7	NNW 9	NNW 4	NNW 7	WSW 6	WSW 9	WSW 7	WSW 11	WSW 13	WSW 11	WSW 11	WSW 11	WSW 17	WSW 31	WSW 19	WSW 26	WSW 28	WSW 24	WSW 22	WSW 26	WSW 22	WSW 24	NNW 56	12	CST
8	SSE 30	SSE 30	SSE 33	SSE 30	SSE 28	S 28	S 20	S 11	S 15	S 15	S 15	S 17	S 26	S 26	S 24	S 30	S 28	S 30	S 24	S 22	S 11	S 4	S 6	S 43	15	CST
9	W 11	W 11	W 9	W 11	W 7	W 4	W 4	W 4	ENE 4	ENE 0	ENE 0	ENE 7	ENE 7	ENE 7	ENE 7	ENE 13	ENE 11	ENE 15	ENE 17	ENE 15	ENE 13	ENE 15	ENE 13	N 41	15	CST
10	SE 7	SE 11	SE 15	SE 13	SE 13	SE 13	SE 13	SE 13	SSE 19	SSE 19	SSE 19	SSE 28	SSE 30	SSE 28	SSE 31	SSE 30	SSE 22	SSE 20	SSE 22	SSE 26	SSE 20	SSE 20	SSE 22	S 43	15	CST
11	S 26	S 26	S 22	S 19	S 15	S 13	S 13	S 11	WSW 13	WSW 13	WSW 19	WSW 20	WSW 33	WSW 28	WSW 28	WSW 33	WSW 28	WSW 20	WSW 7	WSW 15	WSW 6	WSW 0	WSW 9	N 41	15	CST
12	WSW 6	WSW 6	WSW 7	WSW 9	WSW 7	WSW 15	WSW 13	WSW 13	WSW 19	WSW 19	WSW 22	WSW 31	WSW 37	WSW 35	WSW 37	WSW 28	WSW 24	WSW 33	WSW 22	WSW 22	WSW 15	WSW 24	WSW 22	NW 54	14	CST
13	NNW 15	NNW 19	NNW 17	NNW 19	NNW 20	W 20	W 19	W 20	NNW 24	NNW 24	NNW 19	NNW 22	NNW 26	NNW 24	NNW 20	NNW 13	NNW 2	NNW 6	NNW 13	NNW 13	NNW 19	NNW 19	NNW 26	SE 43	00	CST
14	SE 30	SE 39	SE 41	SE 37	SE 41	SSE 33	SSE 22	SSE 41	WSW 43	WSW 39	WSW 50	WSW 46	WSW 46	WSW 39	WSW 44	WSW 46	WSW 46	WSW 26	WSW 15	WSW 11	WSW 15	WSW 19	WSW 33	NNW 76	08	CST
15	NNW 54	NNW 44	NNW 52	NNW 46	NNW 48	NNW 46	NNW 46	NNW 39	NNW 48	NNW 41	NNW 41	NNW 35	NNW 37	NNW 37	NNW 33	NNW 30	NNW 33	NNW 30	NNW 31	NNW 22	NNW 28	NNW 28	NNW 20	NNW 76	01	CST

16	NW	NNW	NW	C	WNW	NW	WNW	NW	NW	NNW	NW	NW	NNW	NW	NE	NE	ENE	E	ESE	SW	S			
	17	13	13	7	0	7	9	11	19	24	17	19	11	9	11	19	13	9	7	7	2	7		
17	SSW	C	C	SSW	C	SSE	SE	S	S	S	S	F	SE	SE	SE	SE	ESE	F	F	F	F	F	F	
	4	0	0	4	0	4	7	7	11	13	13	9	7	7	9	7	11	9	7	11	9	13	11	
18	ESE	ESE	SE	SE	C	NE	C	SSE	SW	SE	E	ESE	SSE	ENE	NNE	NE	NNE	E	SE	SE	SE	S		
	9	7	7	6	0	4	0	7	0	7	4	7	6	7	11	13	7	9	11	7	11	13	11	
19	SSE	SSE	S	SSW	S	SSE	S	S	S	S	S	S	SSW	S	SSW	SW	WSW	WSW	NW	NNW	NW	NNW	W	
	9	13	13	15	15	11	11	19	17	15	19	26	37	28	30	20	24	28	22	19	19	20	13	
20	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
	15	10	10	19	24	20	19	20	22	22	20	21	33	25	41	43	32	32	24	19	17	15	24	
21	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
	15	19	20	19	17	28	28	30	28	30	37	35	31	26	31	33	30	28	19	11	11	11	13	
22	WSW	WSW	W	W	WSW	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
	11	11	9	9	6	7	7	9	6	9	15	15	17	20	20	17	22	19	15	17	13	15	13	
23	NW	W	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
	11	11	7	7	11	7	7	7	7	13	15	15	20	9	13	20	22	19	13	9	7	2	0	
24	SW	SW	SW	SW	SW	WSW	W	W	WNW	WNW	WNW	W	NNE	C	WSW	NW	NNW	N	NW	WNW	NW	NNW	NNW	
	9	13	13	11	9	13	13	15	9	9	6	11	9	7	6	0	11	13	13	7	6	6	9	
25	NW	WNW	NW	NNE	ENE	ENE	E	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
	6	6	7	2	4	7	7	6	7	11	13	11	11	11	9	15	17	17	13	11	19	11	7	
26	E	E	ENE	E	NNE	NNE	NNE	C	C	S	S	SSE	S	SSE	S	SSE	S	SSE	S	SSW	S	S	S	
	15	9	9	2	7	9	9	6	6	0	7	6	7	15	4	13	11	7	7	9	13	17	26	
27	SSW	S	S	S	S	S	S	S	S	S	SW	SSW	SW	SSW	SSW	S	S	SSW	SSW	S	SSW	SSW	SSW	
	19	17	19	24	28	30	31	30	26	33	33	44	39	37	43	43	28	31	31	31	35	26	28	
28	S	S	S	S	S	S	S	SSW	S	SSW	SW	W	WNW	NW	NW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	
	26	26	30	30	26	28	24	22	30	28	26	26	22	31	33	30	26	26	15	13	19	13	15	
29	F	W	W	SW	S	S	NW	C	NW	N	E	SSE	WSW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW		
	4	4	13	4	4	9	9	0	9	11	4	7	7	11	24	30	24	26	17	19	15	15		
30	NNE	NE	N	NNE	N	N	C	WNW	WNW	NW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	WSW		
	7	6	9	7	11	6	0	13	9	4	4	4	13	15	17	17	7	11	11	13	13	15		
31	WSW	WSW	W	WSW	W	WSW	SW	WSW	NW	S	SE	SSE	NE	NE	SE	SE	SE	SE	SE	SE	SE	SE		
	17	17	17	13	15	15	11	6	7	7	4	4	6	6	9	9	11	11	13	17	20	22		
SUM																								

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