

WIND SUMMARY (KILOMETRES PER HOUR)

PAGE 6

1985

MONTH NOVEMBER

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 (CST)	
DATE																											
1	WNW	C	C	NW	W	NNW	NW	NNW	NW	NW	NW	NW	NNW	NW	NNW	S	NW										
2	SSW	S	S	SSE	S	S	S	SSE	S	SSE	ESE	ESE															
3	ENE	ENE	ESE	NE	E	ESE	ESE																				
4	SSE	SSE	SSE	S	S	S	S	SSE	S	SSE	SSE																
5	SSE	SSE	SSE	S	SSE	SSE																					
6	NW	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
7	W	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
8	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
9	NNW	NNW																									
10	NNW	NNW																									
11	C	SSE	SE	SSE	SSE																						
12	S	SSW	S	W	W	NNW	NNW																				
13	SW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
14	SSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
15	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
16	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
17	S	19	17	17	17	15	20	19	20	15	19	15	19	20	24	20	24	20	24	20	24	20	24	20	24	20	
18	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
19	NNE	NNE																									
20	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
21	WSW	SSW	SSW																								
22	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
23	NW	NW																									
24	WSW	WSW	SSW	SSW																							
25	W	SW	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
26	NNE	NE	NE	NE	NE	NNW	NNW																				
27	W	22	24	19	17	11	19	22	22	17	19	22	26	22	17	15	11	9	7	9	7	9	7	9	7	9	7
28	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
29	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
30	NW	NW	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	

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
 MEAN 13.7 12.9 13.7 13.9 13.2 14.0 14.2 14.3 15.7 16.1 17.9 17.1 15.1 16.7 14.4 14.4 14.4 14.0 14.0 14.0 13.4

C — CALM.

W 33 NW 35 1245
 W 33 NW 34 0636

W 33 NW 34 0236

W 33 NW 34 0220

W 33 NW 34 0010

W 33 NW 34 2220

W 33 NW 34 1147

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF NOVEMBER 1985

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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	3.8	3.7	3.6	4.0	3.8	3.7	3.6	3.0	3.2	3.4	4.1	4.5	5.5	5.4	6.5	6.0	4.1	2.3	1.2	-0.4	-1.2	-2.1	-1.6	
2	-1.5	-2.8	-3.3	-3.3	-1.9	-2.5	-2.3	-1.3	-2.1	0.0	2.2	4.4	6.3	7.2	7.3	6.4	4.3	4.9	4.5	3.5	3.2	2.0	1.4	
3	0.5	0.6	1.1	0.1	-2.1	-1.8	-0.8	-0.1	0.4	1.2	2.4	3.7	4.4	4.8	5.7	5.9	5.3	4.2	3.0	0.4	0.8	-1.1	-0.5	
4	0.2	-0.1	1.0	0.9	0.6	1.5	1.4	1.0	2.1	2.3	3.4	4.8	5.2	7.0	7.7	7.3	7.0	5.8	4.8	4.4	4.2	4.5	5.0	
5	5.9	6.1	6.4	6.0	5.8	5.9	5.6	5.1	6.4	7.3	9.0	9.2	9.0	8.9	8.8	7.3	3.3	2.7	2.6	2.0	2.3	2.0		
6	2.0	2.6	1.5	-0.1	-1.0	-2.8	-4.5	-5.3	-5.4	-4.1	-2.5	-1.4	-0.5	0.5	0.1	0.1	0.3	0.5	-0.5	-0.7	-0.7	-0.6	-0.5	
7	-0.5	-0.8	-1.1	-1.8	-2.5	-3.5	-4.4	-4.6	-4.5	-4.7	-4.7	-4.6	-4.6	-5.7	-5.5	-6.6	-6.9	-7.3	-7.8	-8.1	-8.0	-8.1	-9.4	
8	-9.3	-8.5	-8.6	-8.7	-9.3	-10.4	-11.3	-11.3	-11.4	-10.2	-8.9	-8.1	-7.5	-6.8	-6.7	-6.6	-6.8	-8.3	-10.0	-11.5	-12.3	-12.7	-12.5	
9	-11.8	-11.9	-11.9	-11.8	-11.0	-11.0	-11.5	-11.2	-13.4	-14.0	-12.1	-9.9	-7.8	-7.3	-6.8	-7.0	-7.2	-7.5	-8.8	-11.9	-12.9	-13.2	-13.3	
10	-13.8	-15.5	-15.7	-16.4	-16.5	-17.3	-17.2	-16.4	-14.5	-12.5	-11.1	-9.6	-9.3	-8.6	-8.3	-9.1	-10.6	-11.9	-13.1	-13.3	-13.5	-13.5		
11	-13.4	-12.9	-13.1	-13.1	-12.7	-12.9	-12.7	-13.5	-13.0	-9.8	-9.5	-7.8	-6.5	-5.2	-4.2	-4.4	-4.1	-3.8	-4.1	-4.7	-4.6	-4.5	-4.6	
12	-4.5	-4.3	-4.5	-5.6	-6.9	-8.0	-9.3	-7.2	-8.6	-8.4	-7.4	-8.0	-7.6	-8.5	-9.2	-9.4	-9.6	-10.0	-11.1	-11.3	-13.0	-12.2	-13.1	
13	-14.0	-16.2	-15.5	-17.4	-18.3	-19.4	-20.7	-19.1	-19.2	-18.2	-16.4	-13.9	-12.7	-11.2	-10.2	-8.9	-9.3	-10.4	-9.3	-10.3	-9.8	-9.7	-10.4	
14	-11.2	-10.8	-11.1	-11.3	-12.7	-13.9	-14.6	-14.7	-11.2	-8.6	-6.6	-6.0	-5.5	-5.3	-5.2	-6.1	-7.4	-8.1	-8.3	-9.5	-9.6	-10.5	-11.7	
15	-11.6	-9.8	-10.1	-10.2	-10.6	-10.8	-11.4	-10.5	-9.9	-8.8	-7.4	-5.8	-4.6	-2.8	-1.9	-1.5	-1.4	-1.7	-1.8	-1.6	-2.0	-2.2	-3.4	
16	-4.3	-5.5	-5.5	-5.1	-5.8	-7.0	-6.7	-6.8	-7.0	-6.7	-5.6	-3.8	-2.6	-1.1	-0.2	0.5	0.3	-0.2	-1.1	-1.5	-2.0	-2.9	-4.0	
17	-3.9	-3.6	-3.4	-3.4	-4.0	-4.5	-3.8	-1.6	-1.6	-2.5	-4.4	-5.4	-6.2	-7.2	-7.9	-8.9	-9.5	-10.0	-10.4	-10.7	-11.5	-12.6	-13.1	
18	-13.4	-15.1	-15.9	-16.4	-17.0	-17.7	-18.0	-19.3	-20.4	-16.1	-15.5	-15.2	-14.7	-13.7	-12.7	-12.0	-11.7	-11.3	-11.3	-12.1	-12.0	-11.9	-11.8	
19	-11.8	-11.8	-12.0	-12.3	-12.3	-12.3	-12.2	-12.3	-12.2	-12.1	-12.1	-12.0	-11.9	-11.9	-12.0	-12.0	-11.8	-12.4	-12.4	-12.4	-12.8	-13.3	-13.5	
20	-13.8	-13.8	-14.1	-14.0	-14.2	-14.0	-14.0	-13.8	-13.7	-13.7	-13.3	-13.0	-12.9	-12.8	-12.5	-12.5	-12.5	-12.7	-13.1	-13.2	-12.9	-13.9	-14.2	
21	-14.9	-15.5	-16.8	-17.8	-18.0	-19.7	-19.9	-20.4	-21.2	-20.0	-17.7	-17.1	-16.1	-15.5	-14.9	-14.9	-14.7	-14.1	-13.7	-14.6	-15.4	-14.4		
22	-13.1	-12.4	-12.2	-12.3	-12.0	-11.8	-11.8	-11.5	-11.5	-11.4	-11.0	-10.7	-10.4	-10.5	-10.2	-10.3	-10.3	-10.8	-11.5	-11.8	-12.4	-12.8	-13.2	
23	-13.5	-16.0	-17.8	-18.8	-18.5	-19.5	-19.4	-19.9	-20.0	-20.2	-19.2	-18.8	-18.4	-18.7	-18.3	-18.0	-17.8	-18.8	-18.9	-20.1	-21.2	-22.6	-23.3	
24	-24.2	-24.9	-25.8	-27.0	-29.0	-30.0	-29.4	-29.0	-28.3	-26.7	-26.4	-25.7	-25.3	-24.0	-23.3	-23.0	-23.8	-24.3	-24.3	-24.3	-25.6	-27.0	-26.4	
25	-26.8	-27.6	-29.8	-28.4	-29.1	-28.2	-25.8	-26.1	-25.3	-24.8	-24.3	-23.5	-23.5	-22.2	-21.3	-21.0	-20.0	-19.7	-19.6	-18.7	-18.4	-17.7	-17.5	
26	-17.3	-17.1	-17.0	-17.1	-17.1	-17.2	-17.8	-18.0	-18.0	-17.9	-18.2	-18.4	-18.4	-18.5	-18.5	-19.4	-19.4	-20.3	-20.8	-21.7	-23.2	-23.9	-24.7	
27	-24.6	-25.4	-26.0	-26.8	-27.7	-26.9	-26.3	-25.9	-26.0	-26.4	-26.6	-26.3	-25.5	-25.9	-26.3	-27.2	-28.4	-28.4	-29.7	-30.7	-31.5	-31.6	-30.4	
28	-30.3	-29.6	-29.3	-28.5	-28.7	-30.5	-29.4	-28.3	-27.1	-26.0	-24.4	-23.2	-22.5	-21.9	-21.0	-21.6	-22.8	-23.6	-24.1	-24.4	-25.3	-25.9	-27.0	
29	-27.9	-28.0	-30.2	-31.6	-30.8	-30.5	-31.7	-32.6	-32.9	-30.7	-28.6	-27.7	-27.9	-27.5	-26.7	-28.7	-27.4	-29.1	-33.2	-31.4	-31.9	-32.3		
30	-32.3	-33.9	-34.1	-31.9	-33.4	-32.9	-30.8	-30.4	-29.0	-27.8	-27.8	-26.2	-25.2	-25.7	-26.3	-26.4	-29.0	-30.0	-29.8	-30.9	-30.9	-30.9		

MEAN -11.7 -12.0 -12.3 -12.6 -13.1 -13.5 -13.6 -13.4 -12.4 -11.4 -10.6 -10.0 -9.5 -9.1 -9.4 -10.1 -10.9 -11.6 -12.1 -12.2 -12.7 -12.8

MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS.

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MEAN	3.1	1.6	3.6	-0.9	-9.6	-13.3	-8.4	-13.8	-6.1	-6.8	-14.5	-13.5	-11.5	-11.6	-16.6	-19.1	-23.4	-27.2	-19.2	-26.2	-11.5	-23.4	-27.2	-25.7	-29.9					

COMPARATIVE RECORDS RELEVÉS COMPARATIFS										MONTH MOIS NOVEMBER / NOVEMBRE					
Temperature/Température Precipitation/Precipitation 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 PRÉCEDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						YEARS OF RECORD ANNÉES D'OBSERVATION	
	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE	HIGHEST MAXIMUM ABSOLU	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	LOWEST MINIMUM ABSOLU				
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLÉVÉE	9.4	5	7.9	25	10.8	23.9	5	1975	2.2	5	1972	114			
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE	-34.0	30	-20.5	19	-23.2	-7.8	12	1899	-36.7	28	1875	114			
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	-11.9		-4.9		-4.5	1.3		1923 1899	-13.9		1896	114			
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE	6.0		17.6		5.5	62.2		1918	Nil	Svr.	1933	114			
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	44.5		10.2		21.9	80.3		1955	Tr.		1928	114			
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	43.8		26.6		25.2	90.2		1955	0.8		1976	114			
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE	15		11		9	20		1955	1		1901 1976	102			
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	5.4	1	11.0	26		44.5	17	1918				114			
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	16.5	19	5.0	27		31.0	10	1919				114			
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	15.4	19	11.0	26		44.5	17	1918				114			
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:															
5 MINUTES	0.6	5	0.3	26		1.3	14	1971				17			
10 MINUTES	0.6	5	0.5	26		1.8	14	1971				17			
15 MINUTES	0.6	5	0.5	26		2.0	14	1971				17			
30 MINUTES	1.0	1	0.8	26		2.8	14	1971				17			
60 MINUTES	1.8	1	1.3	26		3.8	14	1971				17			
24 CONSECUTIVE HOURS HEURES CONSECUTIVES	5.4	1	11.2	26-27		44.5	17	1918				114			
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)	14.6		16.1		19.4	25.4		1953	13.7		1972	65			
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)	NNE 54	19	NW 61	15	57	NW 80	11	1940 1952				47			
MAXIMUM GUST SPEED (km/h) POINTÉ DU VENT MAXIMALE (km/h)	NNE 70	19	WNW 80	15	80	N 124	21	1960				40			
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION	113.3		110.5		90.7	139.7		1976	25.1		1944	86			
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)	99.24		98.52		98.63	99.19		1943	98.20		1949	47			
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)	100.93	10	100.64	19	100.52	100.52	20	1978				47			
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)	96.64	5	96.30	3	96.38				94.56	20	1962	47			
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES										YEARS DERNIÈRE ANNÉES 10					
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 DEGRÉS-JOURS DE CHAUFFE	GROWING DEGREE-DAYS DEGRÉS-JOURS DE CROISSANCE				
1976	13.3	-26.7	-5.9	Tr.	1.7	0.8	20.3	WNW 56	139.7	714.7	3.4				
1977	17.8	-25.3	-4.8	0.6	28.4	28.4	19.9	N 70	102.1	682.6	14.6				
1978	17.3	-30.7	-8.4	8.2	36.4	42.6	16.1	W 59	99.6	791.2	11.0				
1979	7.5	-18.1	-5.0	0.6	16.2	14.6	15.2	NW 57	100.7	688.6	0.0				
1980	16.0	-21.5	-2.0	4.3	20.7	25.0	17.1	NW 46	125.0	601.1	2.2				
1981	18.2	-10.7	1.0	3.6	2.5	5.9	17.7	NW 54	112.4	510.5	22.3				
1982	12.3	-23.8	-5.8	3.8	3.2	5.7	15.7	NNW 48	115.9	713.8	0.0				
1983	15.4	-16.0	-1.9	0.7	19.2	16.3	17.6	W 48	52.6	597.0	11.0				
1984	7.9	-20.5	-4.9	17.6	10.2	26.6	16.1	NW 61	110.5	686.2	0.0				
1985	9.4	-34.0	-11.9	6.0	44.5	43.8	14.6	NNE 54	113.3	897.3	0.6				