

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

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	PEAK GUSTS	TIMES (CST)
1	N	NNE	N	C	C	N	C	N	ENE	SE	NE	E	S	SE	SE	S	S	S	N	C	WSW	C	NE	C		
2	C	NNE	NE	C	NNE	C	E	C	C	C	SSE	SSE	SSE	SE	SE	SE	S	S	SSE	S	S	S	S	S		
3	S	SSE	S	SSE	SE	SSE	S	S	SSE	S	S	SSE	S	SSW	SSW	S	S	S	S	S	S	S	S	S		
4	S	S	S	S	SSW	SSW	S	S	SSE	SSW	SSW	S	SE	S	SSW	WSW	SSW	SSW	S	SSW	S	S	S	S		
5	S	S	SE	S	S	S	S	S	SSW	SSW	SSW	S	S	S	SSW	SSE	S	SSE	NNE	E	S	S	S	S	1939	
6	SSW	S	SSW	C	N	C	SSE	S	W	WNW	WNW	WNW	NW	NNW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW		
7	C	N	C	C	C	NNW	NW	W	WNW	ENE	W	WSW	WSW	WSW	SSW	NW	WSW	SW	SSW	SW	SW	SW	SW	W	1257	
8	W	WNW	NW	WNW	WNW	WNW	W	W	WNW	W	W	W	W	WNW	WNW	W	SW	SE	W	C	NNW	NW	NNW	WNW	1430	
9	W	W	W	W	W	W	W	W	WNW	W	W	WNW	NW	NNW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	1501	
10	N	ENE	ENE	E	NNE	NNW	N	ESE	ESE	ENE	ESE	SSE	SE	ESE	SSE	SSE	SE	SSE	S	S	SSE	SSE	SSE	SSE		
11	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	2130	
12	SSE	SSE	S	S	S	SSE	SSE	SSE	S	SSE	SE	SSE	SE	SSE	SSE	SSE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	0847	
13	ESE	E	E	ENE	ENE	E	ENE	E	ESE	ESE	ESE	ESE	SSE	SSE	SSE	S	SSE	S	SE	SE	SE	SSE	SSE	S	2119	
14	S	S	S	S	S	WSW	S	SSE	WSW	SSW	S	SW	WSW	WNW	NW	NNW	NNW	W	C	NW	NW	NNW	NNW	NNW	1338	
15	NNW	NNW	NW	NNW	NNW	NNW	N	NNW	N	NNW	N	NNW	N	NNW	NE	NE	NNE	E	ENE	NE	C	ESE	ESE	ESE	0814	
16	ESE	ESE	SE	S	SSE	SW	S	SSW	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	1320	

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF AUGUST 1984

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.	18.8	20.0	18.8	18.2	17.6	17.2	17.8	18.4	22.4	22.8	24.3	26.2	27.0	28.0	27.4	27.8	28.2	28.7	27.3	27.3	23.6	22.0	21.7	20.8
2.	18.7	17.6	17.5	16.2	15.4	15.4	14.9	20.7	23.8	26.2	27.6	29.0	30.0	30.2	30.8	29.2	29.8	30.2	29.5	27.7	26.0	23.6	23.3	21.6
3.	20.9	19.7	19.8	17.9	17.7	16.6	17.4	20.0	22.8	24.8	26.8	28.8	29.3	29.0	30.0	30.5	29.3	29.6	29.4	28.1	26.1	24.6	23.1	22.4
4.	22.2	20.4	20.2	18.2	17.4	17.3	17.3	18.4	22.0	25.8	27.1	27.6	29.2	29.7	29.6	30.8	30.1	29.6	28.4	26.6	24.8	22.8	21.2	20.6
5.	19.6	19.4	18.7	17.9	18.2	18.0	17.5	19.0	22.0	24.2	26.7	27.2	29.0	30.5	30.5	30.9	30.0	28.6	28.0	25.8	21.0	21.6	22.2	21.4
6.	20.1	20.2	19.1	17.0	16.0	16.3	17.7	20.5	22.1	23.2	24.6	26.2	27.5	27.6	29.0	28.8	28.9	28.6	27.5	26.1	23.9	21.5	20.5	19.5
7.	19.4	17.7	18.3	17.2	16.5	14.9	16.7	18.3	20.4	23.0	24.9	26.6	25.8	23.4	22.9	23.4	23.6	24.8	26.6	25.5	24.3	23.8	23.0	21.5
8.	21.0	19.4	19.3	18.0	17.0	15.7	17.0	17.8	20.7	22.5	23.8	23.8	24.7	24.4	21.7	18.6	15.8	16.6	16.7	16.8	16.4	15.6	15.4	16.0
9.	16.0	15.4	15.6	15.2	14.6	13.7	14.0	14.9	15.2	15.9	16.9	17.2	18.9	19.6	21.0	21.7	21.1	21.2	21.5	19.4	18.2	17.4	15.6	16.6
10.	16.4	15.2	14.6	14.6	14.5	14.6	14.2	15.2	15.7	16.0	16.4	17.3	18.0	18.8	20.0	20.1	21.0	21.6	20.5	19.9	18.4	16.9	16.0	16.3
11.	15.7	15.0	14.4	14.1	14.0	13.7	14.4	16.4	18.6	21.6	24.8	27.2	28.0	29.5	28.8	29.0	29.2	29.0	27.6	26.3	24.7	23.5	22.4	21.2
12.	20.5	19.6	18.8	18.3	17.8	17.4	17.6	18.4	20.4	22.7	25.4	26.1	26.7	28.2	29.0	28.2	28.3	27.9	27.1	26.0	25.2	24.6	23.6	23.0
13.	22.5	21.5	20.6	20.2	20.2	19.4	19.6	21.0	22.5	24.0	26.0	27.8	29.4	31.8	32.9	34.1	33.8	33.9	33.4	30.8	29.6	27.9	25.9	25.3
14.	24.8	24.6	24.1	23.5	22.7	23.6	22.3	22.3	23.0	23.0	24.8	27.8	30.2	28.2	26.7	25.5	25.8	27.6	27.0	25.6	21.8	19.8	20.8	18.9
15.	16.4	14.7	13.9	12.9	14.1	13.7	13.3	14.9	18.0	17.9	18.8	19.8	21.4	22.2	20.7	22.4	23.4	22.6	21.6	19.4	17.4	17.0	15.2	15.0
16.	14.2	14.8	14.8	15.4	14.8	15.5	14.0	14.2	15.0	16.7	19.6	20.5	22.1	27.3	29.1	29.2	29.6	29.4	29.4	28.0	26.2	23.2	21.0	20.0
17.	18.4	17.2	16.0	14.8	14.0	14.4	14.2	15.0	17.9	21.0	23.7	24.8	26.4	27.8	26.6	27.9	27.6	27.1	25.7	23.8	20.6	16.3	15.0	13.8
18.	14.6	13.4	11.7	11.4	10.6	10.1	11.6	14.6	18.0	21.0	23.5	25.0	25.8	27.2	27.6	28.3	28.4	27.3	27.5	24.6	22.4	22.0	20.1	21.0
19.	20.6	19.2	17.8	16.3	16.2	14.5	15.3	17.0	20.5	24.0	26.5	29.5	30.2	31.0	31.5	31.0	30.7	30.0	29.0	26.8	26.3	25.6	25.3	24.4
20.	24.0	22.9	21.9	21.2	21.2	19.0	17.3	17.9	17.8	18.3	18.5	20.6	21.6	22.1	23.2	21.6	22.5	24.4	24.0	21.8	17.8	17.2	16.8	16.3
21.	16.2	16.0	14.8	13.6	14.2	14.6	14.0	14.0	17.1	18.8	19.9	15.8	15.4	17.8	17.4	20.7	16.4	17.2	17.1	16.3	15.0	14.1	13.2	12.3
22.	11.7	12.2	8.6	8.4	7.6	7.0	9.4	12.2	13.7	14.7	14.7	15.8	17.0	18.4	19.4	20.0	20.1	20.2	19.6	17.1	12.9	10.1	8.2	8.5
23.	7.8	10.4	8.9	9.2	9.2	8.6	8.1	9.4	12.5	16.2	19.2	21.6	22.3	23.0	24.4	24.6	24.7	24.6	23.2	21.3	19.6	18.7	17.8	17.3
24.	16.7	16.3	16.0	15.6	15.6	15.5	15.5	16.9	18.2	19.6	21.1	23.5	25.8	26.8	25.8	27.5	27.0	27.0	26.0	24.5	23.3	22.0	21.4	20.8
25.	20.2	19.5	18.8	18.5	18.0	17.2	16.8	17.6	19.4	21.5	23.6	26.1	28.0	29.3	31.3	32.4	33.0	33.1	31.6	29.7	27.2	25.6	25.3	24.6
26.	24.6	23.8	22.6	22.4	21.9	20.7	20.6	21.0	22.7	25.3	27.8	31.0	33.0	35.3	35.0	36.2	35.5	35.2	33.0	31.2	25.8	23.2	20.8	21.8
27.	16.6	17.4	17.0	18.4	17.3	13.9	13.6	16.2	19.6	23.0	26.6	30.2	32.0	34.2	34.5	35.6	35.8	34.8	33.0	30.0	27.6	24.3	23.2	24.9
28.	24.4	22.7	20.9	19.0	17.5	15.2	14.1	15.8	19.0	23.0	26.8	30.2	30.2	21.7	30.0	29.2	27.9	26.2	24.6	22.6	19.6	18.0	16.1	14.5
29.	14.2	18.0	11.4	11.5	10.1	9.3	7.2	10.8	12.6	18.1	22.5	24.6	22.8	22.8	23.0	23.0	22.8	22.1	21.6	21.2	20.5	19.4	17.7	17.3
30.	16.8	15.2	14.1	12.5	11.8	11.8	11.1	12.2	13.6	14.5	15.1	15.5	17.0	17.7	18.7	18.9	19.3	19.4	18.0	15.6	12.4	12.2	9.6	8.4
31.	9.1	9.1	7.6	7.5	7.7	7.1	7.5	8.9	11.1	14.1	14.1	15.8	16.4	16.6	16.2	17.0	17.8	17.0	15.2	13.8	13.0	11.8	11.5	9.7

MEAN 18.2 17.7 16.7 16.0 15.6 14.9 14.8 16.4 18.6 20.7 22.6 24.2 25.2 25.8 26.3 26.6 26.4 26.3 25.5 23.9 21.7 20.2 19.1 18.6

MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAN	23.0	24.0	24.4	24.1	23.7	23.0	21.8	18.9	17.4	17.2	22.0	23.4	26.4	24.4	17.8	21.0

MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MEAN	20.4	20.3	24.1	20.4	15.9	13.4	16.8	21.2	24.5	27.1	25.0	22.1	17.7	14.6	12.3

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS				AUGUST/AOÛT				19 84				
Temperature/Température	° Celsius	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	
Precipitation/Précipitation	Millimetres (mm)						HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU				
Rainfall/Hauteur de pluie	Millimetres (mm)	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE			
Snowfall/Hauteur de neige	Centimetres (cm)													
Wind speed/Vitesse du vent	Kilometres/par heure (km/h)													
Station pressure/Pression à la station	Kilopascals (kPa)													
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		36.5	26	36.5	4	32.8	40.6	7	1949	27.2	15 20	1885	113	
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		5.9	31	8.8	20	3.7	8.8	20	1983	-1.1	31 28	1888 1890 1910	113	
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		21.0		22.5		18.3	22.5		1983	14.4		1977	113	
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		21.6		85.2		75.2	180.6		1876	3.3		1915	113	
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE														
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		21.6		85.2		75.2	180.6		1876	3.3		1915	113	
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		6		11		11	20		1977	1		1915	101	
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		10.6	20	47.2*	20		84.6	16	1884				113	
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE														
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		10.6	20	47.2	20		84.6	16	1884				113	
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:														
5 MINUTES		1.2	20	6.0	2		10.9	5	1981				27	
10 MINUTES		1.6	20	7.8	2		19.1*	1	1979				27	
15 MINUTES		2.0	20	7.8	2		25.4*	1	1979				27	
30 MINUTES		2.6	20	12.4	20		36.3*	15	1972				27	
60 MINUTES		3.6	20	21.2	20		39.3*	1	1979				27	
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		10.6	20	48.4	20 21		84.6	16	1884				113	
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		13.4		13.0		16.4	22.0		1964	12.6		1972	64	
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		SSE41	24	SSE46	12	51	N 77	30	1944				46	
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		WNW69	5	SSE61	12	83	NW122	18	1973				40	
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		312.1		326.3		283.3	350.8		1967	160.5		1912	85	
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.40		98.59		98.49	98.91		1957	98.14		1969	46	
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		99.79	22	99.42	6	99.67	100.44	30	1967				46	
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.98	28	97.42	19	97.04				95.82	4	1980	46	
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES													TEN (DIX) 10	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 DEGRES JOURS DE CHAUFFE	GROWING DEGREE DAYS DEGRES JOURS DE CROISSANCE			
1975	30.4	3.3	16.7	132.8		132.8	15.6	NW64	254.3	66.2	362.6			
1976	36.3	3.8	19.3	59.0		59.0	15.5	WNW43	307.9	30.7	442.6			
1977	28.9	2.0	14.4	89.6		89.6	13.9	WNW41	234.6	113.9	291.0			
1978	34.9	1.4	17.4	18.5		18.5	15.5	S44	268.1	65.2	384.6			
1979	29.5	4.0	16.4	76.1		76.1	15.2	SE46	284.7	69.9	352.6			
1980	30.7	3.5	16.9	109.8		109.8	13.8	NW52 SE52	236.1	47.8	370.0			
1981	32.3	7.8	20.1	103.6		103.6	13.4	N46	288.0	11.6	468.6			
1982	29.5	0.7	16.8	59.0		59.0	16.7	ESE74	312.9	74.3	366.6			
1983	36.5	8.8	22.5	85.2		85.2	13.0	SSE46	326.3	5.8	541.8			
1984	36.5	5.9	21.0	21.6		21.6	13.4	SSE41	312.1	19.5	496.2			
* TORONTO REVISED FIGURES 48.4 * Rain Precip. August 20-21, 1983														