

for/pour **WINNIPEG INT'L AIRPORT/AÉROPORT INTERN. DE WPG.**

YEAR/ANNÉE: **1980**

MONTHLY AND ANNUAL EXTREMES OF RECORD / EXTRÊMES MENSUELLES ET ANNUELLES AUX REGISTRES														
MONTH MOIS	TEMPERATURE / TEMPÉRATURE								PRECIPITATION / PRÉCIPITATIONS					
	ABSOLUTE MAXIMUM ABSOLU	YEAR ANNÉE	ABSOLUTE MINIMUM ABSOLU	YEAR ANNÉE	HIGHEST MONTHLY MEAN MOYENNE MENSUELLE MAXIMALE	YEAR ANNÉE	LOWEST MONTHLY MEAN MOYENNE MENSUELLE MINIMALE	YEAR ANNÉE	GREATEST MONTHLY PRECIPITATION MENSUELLE MAXIMALE	YEAR ANNÉE	LEAST MONTHLY PRECIPITATION MENSUELLE MINIMALE	YEAR ANNÉE	GREATEST MONTHLY SNOWFALL NEIGE MENSUELLE MAXIMALE	YEAR ANNÉE
JAN/JAN	7.8	1942	-44.4	1877	-10.6	1944	-26.9	1875	85.3	1916	2.5	1973	85.3	1916
FEB/FÉV	11.7	1958	-45.0	1966	-5.1	1878	-26.1	1875	89.9	1881	2.5	1903	89.9	1881
MAR/MAR	23.3	1946	-38.9	1880*	1.6	1878	-16.1	1899	76.2	1904	1.5	1939	76.2	1904
APR/AVR	34.3	1980	-27.8	1932	9.4	1915	-2.8	1893	143.3	1896	Tr.	1980	44.5	1872
MAY/MAI	37.8	1934	-11.7	1907	17.8	1977	4.4	1907	177.7	1977	0.8	1917	32.5	1931
JUN/JUIN	38.3	1900	-6.1	1888	20.3	1910	12.3	1969	255.8	1901	3.3	1961	1.3	1875
JUL/JUIL	42.2	1936	1.1	1972	24.2	1936	15.4	1884	197.4	1953	13.5	1875		
AUG/AOÛT	40.6	1949	-1.1	1910*	21.6	1961	14.4	1977	180.6	1876	3.3	1915		
SEPT/SEP	37.2	1929*	-8.3	1899	16.8	1948	8.0	1965	156.2	1872	1.3	1948	18.3	1872
OCT/OCT	30.0	1922	-20.6	1936	12.8	1963	0.3	1887	144.0	1949*	2.5	1976	38.6	1919
NOV/NOV	23.9	1975	-36.7	1875	1.3	1923	-13.9	1896	90.2	1955	0.8	1976	80.3	1955
DEC/DÉC	11.7	1939	-47.8	1879	-3.4	1877	-25.9	1879	101.3	1909	2.5	1892	101.3	1909
YEAR ANNÉE	42.2	1936	-47.8	1879	5.3	1931	-1.7	1883	723.4	1962	320.8	1961	266.1	1909

PERIOD OF RECORD/PÉRIOD DE REGISTRE: \*Other Years

(Mean values based on standard period 1941-1970)

**NOTE:** September - max. also in 1906  
August - min. also in 1891 and 1888  
March - min. also in 1873  
OCTOBER - greatest precipitation also in 1898

(Extremes from complete station record 1872-1979)

Coldest month: January 1875 (Average: -26.9°C).  
Coldest (2) months: January, February 1875 (Average: -26.5°C).  
Coldest winter: November to the end of February 1874-1875  
(Average: -19.7°C)  
December to the end of February 1874-1875  
(Average: -22.9°C)  
Also 1886-1887  
(Average: -22.9°C)  
Coldest day: December 24, 1879 (-47.8°C)

Warmest month: July 1936 (Average: 24.2°C)  
Warmest (2) months: July, August 1936 (Average: 21.7°C)  
Warmest summer: June to the end of August 1961 (Average: 20.4°C)  
June to the end of September 1963 (Average: 18.8°C)  
Warmest day: July 11, 1936 (42.2°C)

Snowfall:

Greatest 24 hour: 38.1 cm - March 4, 1935  
Greatest monthly snowfall: December 1909 - 101.3 cm  
Greatest season: 1955-1956 - 252.7 cm  
Least season: 1877-1878 - 31.2 cm

ANNUAL METEOROLOGICAL SUMMARY  
SOMMAIRE MÉTÉOROLOGIQUE ANNUEL

for/pour WPG INT'L AIRPORT / AÉROPORT INTERN. DE WPG.

YEAR/ANNÉE: 1980

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY PRECIPITATION - 1980 (mm)												
DATE	JAN JAN	FEB FEV	MAR MAR	APR AVR	MAY MAI	JUN JUN	JUL JUIL	AUG AOÛT	SEPT SEP	OCT OCT	NOV NOV	DEC DEC
1	0.6	Tr.	Tr.						9.0	0.6		
2			Tr.						Tr.	Tr.		
3	Tr.		3.0				1.2	25.7	17.6	2.3	2.0	0.7
4	0.2	1.4			Tr.	Tr.	5.6	3.6	1.0			Tr.
5	1.4	Tr.				Tr.		4.4				0.4
6	7.5	Tr.		Tr.	0.8		Tr.	4.3				Tr.
7	Tr.	0.4					Tr.	11.5			4.1	0.4
8	Tr.					Tr.			11.5		14.1	Tr.
9	Tr.	3.8	2.6							0.5	0.6	0.6
10	18.2	1.2			0.4			8.4		5.8		
11	0.6	0.2	0.8		1.0		2.8	0.7			1.2	0.8
12			6.0			2.2		Tr.	3.1			0.2
13		Tr.			Tr.	Tr.	Tr.	1.6				Tr.
14		Tr.	Tr.			Tr.	0.5		Tr.			
15	Tr.	0.2	Tr.				Tr.		1.0	Tr.		2.7
16			Tr.	Tr.			Tr.	10.7	1.2	11.9		1.1
17	Tr.						1.0	5.7	5.8	8.6		2.5
18	Tr.	Tr.					Tr.					0.2
19		2.0					Tr.	Tr.	16.1	Tr.		Tr.
20		Tr.				7.8	12.2	20.2	Tr.	Tr.		
21	0.6	6.4					Tr.	0.9	15.0			0.4
22	Tr.	0.8	Tr.			0.2	Tr.		1.0	0.5	Tr.	Tr.
23	2.2	1.0						0.3	0.4	2.8	Tr.	0.2
24	1.5	0.2				0.6			0.2	Tr.		
25	Tr.							Tr.		Tr.	Tr.	0.4
26	0.4		0.8		2.0	Tr.	Tr.					Tr.
27	0.6		Tr.			19.8	Tr.					Tr.
28	Tr.				3.0	13.4	Tr.	1.3			3.0	
29	0.2					Tr.	Tr.	3.7	0.8		Tr.	
30	Tr.					0.6	0.2	6.8	1.9		Tr.	Tr.
31	Tr.				0.6		0.2					0.4
TOTAL	34.0	17.6	13.2	Tr.	7.8	44.6	23.7	109.8	85.6	33.0	25.0	11.0

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY RAINFALL - 1980 MMS												
DATE	JAN JAN	FEB FEV	MAR MAR	APR AVR	MAY MAI	JUN JUN	JUL JUIL	AUG AOÛT	SEPT SEP	OCT OCT	NOV NOV	DEC DEC
1	Tr.								9.0	0.6		
2									Tr.	Tr.		
3							1.2	25.7	17.6	2.3	2.0	
4					Tr.	Tr.	5.6	3.6	1.0			Tr.
5						Tr.		4.4				Tr.
6				Tr.	Tr.		Tr.	4.3				
7							Tr.	11.5				
8						Tr.			11.5		1.3	
9										0.5		
10					0.4			8.4		5.8		
11					1.0		2.8	0.7			1.0	
12						2.2		Tr.	3.1			
13					Tr.	Tr.	Tr.	1.6				
14						Tr.	0.5		Tr.			
15	Tr.		Tr.				Tr.		1.0	Tr.		
16				Tr.			Tr.	10.7	1.2	11.9		0.7
17							1.0	5.7	5.8	8.4		2.1
18							Tr.					
19							Tr.	Tr.	16.1	Tr.		
20						7.8	12.2	20.2	Tr.	Tr.		
21							Tr.	0.9	15.0			
22						0.2	Tr.		1.0	Tr.	Tr.	
23								0.3	0.4			
24						0.6			0.2			
25								Tr.		Tr.		
26					2.0	Tr.	Tr.					
27						19.8	Tr.					
28					3.0	13.4	Tr.	1.3			Tr.	
29						Tr.	Tr.	3.7	0.8			
30						0.6	0.2	6.8	1.9			
31					0.6		0.2					
TOTAL	Tr.		Tr.	Tr.	7.0	44.6	23.7	109.8	85.6	29.5	4.3	2.8

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YEAR/ANNÉE: 1980

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY MINIMUM TEMPERATURES - 1980 (°C)												
DATE	JAN JAN	FEB FEV	MAR MAR	APR AVR	MAY MAI	JUN JUIN	JUL JUIL	AUG AOÛT	SEPT SEP	OCT OCT	NOV NOV	DEC DEC
1	-19.7	-30.5	-30.7	-5.3	8.4	3.8	8.2	12.7	9.2	4.1	-7.8	-25.0
2	-25.5	-27.2	-17.0	-7.0	7.1	0.8	11.7	9.5	7.8	-0.5	-1.5	-25.5
3	-25.0	-18.1	-23.6	-5.5	11.2	2.8	13.8	12.2	12.6	3.0	-1.7	-18.0
4	-19.7	-9.8	-27.0	-1.2	8.4	15.6	12.3	12.0	11.4	2.7	-3.7	-7.4
5	-15.2	-8.2	-24.5	-3.1	2.8	15.7	9.1	11.2	8.3	3.4	-2.0	-12.5
6	-19.8	-9.9	-22.3	3.5	-2.3	5.8	16.6	10.6	11.9	1.9	-1.6	-20.1
7	-27.3	-21.0	-27.3	0.5	-2.6	5.8	15.1	14.3	13.2	6.1	-3.6	-21.0
8	-31.6	-24.0	-16.0	-3.0	-4.7	7.1	10.5	12.8	7.4	2.6	-2.9	-20.4
9	-31.6	-14.7	-19.7	-6.0	3.0	9.8	19.0	9.0	6.1	6.0	-14.4	-23.4
10	-23.4	-11.1	-23.0	-6.3	-1.9	4.6	18.2	11.4	9.7	1.3	-16.4	-27.6
11	-28.9	-18.8	-28.7	-2.5	0.1	14.7	17.6	8.6	7.8	-2.3	-4.0	-22.1
12	-30.9	-21.3	-13.2	-5.5	-4.0	16.0	15.7	14.2	10.6	-1.6	-0.6	-21.3
13	-18.6	-21.0	-22.2	-6.0	1.4	10.8	17.5	11.4	6.3	-2.5	-2.2	-22.2
14	-19.7	-22.2	-26.0	0.9	3.2	5.7	14.5	10.2	4.8	3.1	-7.3	-21.2
15	-10.2	-23.2	-7.2	-5.5	1.4	0.8	12.4	11.3	5.7	4.1	-10.1	-18.5
16	-19.0	-21.8	-11.8	3.1	6.3	6.0	14.9	12.3	2.3	0.8	-10.7	-20.6
17	-20.6	-22.1	-17.4	1.4	7.2	10.3	14.7	12.7	0.2	0.1	-10.0	-15.2
18	-14.1	-15.4	-21.9	7.5	7.2	5.5	15.6	9.4	-4.2	-3.3	-4.4	-24.0
19	-15.1	-18.0	-5.1	1.9	8.3	4.0	13.5	14.9	2.6	2.0	-3.2	-26.0
20	-16.8	-17.0	-15.3	12.0	15.0	10.7	13.2	19.0	3.5	0.5	-4.4	-26.5
21	-14.6	-19.3	-16.7	9.3	-15.3	12.0	13.1	13.4	8.1	-2.5	-4.7	-27.6
22	-27.5	-15.0	-13.2	1.8	18.8	15.7	12.6	11.4	-0.1	-3.7	-3.8	-22.3
23	-29.8	-17.6	-13.0	-2.1	19.0	17.1	16.4	12.5	-0.6	-1.7	-11.6	-29.9
24	-23.3	-27.2	-13.5	-4.4	16.9	20.2	9.1	12.1	1.2	-2.1	-11.0	-30.3
25	-31.5	-31.0	-5.1	-1.6	18.0	11.2	5.5	9.8	-0.6	-5.6	-6.8	-27.3
26	-29.5	-20.2	-5.1	-0.3	16.4	9.3	8.9	6.0	-0.4	-5.7	-5.8	-28.2
27	-23.8	-24.0	-7.6	2.5	14.8	12.1	14.3	3.5	-2.0	-7.7	-8.1	-13.0
28	-28.4	-29.6	-10.7	1.5	16.0	12.3	13.7	12.8	6.2	-8.9	-3.8	-15.0
29	-32.3	-35.2	-4.9	4.9	10.5	11.6	12.4	10.8	7.1	-6.4	-3.4	-13.3
30	-30.4		-1.3	5.0	6.2	11.6	13.7	10.9	9.0	3.3	-21.5	-5.1
31	-28.0		-3.7		4.2		14.5	6.8		-6.3		-9.2
AVG.	-23.6	-20.5	-16.0	-0.3	7.5	9.6	13.5	11.3	5.5	-0.5	-6.4	-20.6

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SOMMAIRE MÉTÉOROLOGIQUE ANNUEL

for/pour **WPG. INT'L AIRPORT / AEROPORT INTERN. DE WPG.** YEAR/ANNÉE: **1980**

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
MONTH MOIS	SUNSHINE / INSOLATION				WIND / VENT							
	DURATION IN HOURS DUREE (NOMBRE D'HEURES)	PERCENTAGE OF POSSIBLE POURCENTAGE DU TOTAL POSSIBLE	NO. OF DAYS WITHOUT SUNSHINE NOMBRE DE JOURS SANS SOLEIL	NORMAL NORMALE	AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DIRECTION DOMINANTE	NORMAL MORMALE		MAX FOR 1 MIN MAX POUR 1 MIN		HIGHEST GUST RAFALE MAXIMUM	
							SPEED VITESSE	DIRECTION	DIRECTION AND SPEED DIRECTION ET VITESSE	DATE	DIRECTION AND SPEED DIRECTION ET VITESSE	DATE
JAN/JAN	123.8	46.3	7	112.5	19.4	W,WNW	19.5	NW	NW 65	13	NW 98	13
FEB/FÉV	120.8	41.3	6	139.4	16.3	NW	18.8	S	NNW 48	9,26	SSE 72	4
MAR/MAR	206.4	56.1	2	170.4	14.9	S	19.6	S	NNW 56	9	N 78	9
APR/AVR	326.7	79.2	0	208.5	17.8	NNE	21.7	S	N 70	22	NNW 98	22
MAY/MAI	319.8	67.0	0	246.4	17.2	S*	21.1	NNE	N 65	5	NNW 98	5
JUN/JUIN	286.2	58.6	0	258.9	19.4	S	18.5	S	ESE 59	27	SE 83	27
JUL/JUIL	326.1	66.2	0	310.8	15.6	W*	16.3	S	N* 41	3	S 78	29
AUG/AOÛT	236.1	52.7	2	276.2	13.8	C*	17.1	S	SE52,NW52	4,25	ESE 83	4
SEPT/SEP	171.7	45.2	5	182.6	18.6	S	18.8	S	NW 52	4	W 81	15
OCT/OCT	143.3	42.9	8	158.4	18.7	N	20.3	S	N 65	1	NNW 102	1
NOV/NOV	125.0	45.8	4	81.2	17.1	S	20.3	S	NW 46	3	NNW 61	3
DEC/DÉC	99.9	39.4	10	86.2	17.9	NW*	19.5	S	NNW 56	12	NNW 83	12
YEAR ANNÉE	2485.8	55.4	44	2231.5	17.2	S	19.3	S	N 70	Apr. 22	NNW 102	Oct. 1
* Total Possible - 4475.8 (most years) Leap Year 4486.7												
BAROMETRIC PRESSURE*/PRESSION BAROMÉTRIQUE*												
MONTH MOIS	STATION LEVEL / NIVEAU DE LA STATION						SEA LEVEL / NIVEAU DE LA MER					
	MEAN MOYENNE	MAXIMUM MAXIMALE	DATE	MINIMUM MINIMALE	DATE	NORMAL NORMALE	MEAN MOYENNE	MAXIMUM MAXIMALE	DATE	MINIMUM MINIMALE	DATE	NORMAL NORMALE
JAN/JAN	98.95	100.74	30	95.72	13	98.96	1020.6	103.97	30	98.65	13	102.10
FEB/FÉV	99.19	102.06	29	96.86	18	98.90	1023.0	105.34	29	99.85	18	102.01
MAR/MAR	98.73	101.71	1	96.57	9	98.82	1017.8	104.97	1	99.52	9	101.87
APR/AVR	98.76	99.88	13	96.79	6	98.59	1017.1	102.89	13	99.63	6	101.55
MAY/MAI	98.40	99.40	7	97.44	29	98.53	1012.8	102.38	7	100.26	29	101.44
JUN/JUIN	98.36	99.59	7	96.60	28	98.31	1012.3	102.52	7	99.42	28	101.17
JUL/JUIL	98.28	99.37	21	97.32	23	98.47	1011.3	102.27	21	100.11	23	101.33
AUG/AOÛT	98.22	99.59	27	95.82	4	98.49	1010.8	102.52	27	98.60	4	101.35
SEPT/SEP	98.43	99.86	14	96.74	4	98.51	1013.2	102.79	14	99.56	4	101.41
OCT/OCT	98.66	99.80	28	96.06	17	98.51	1016.1	102.85	28	98.92	17	101.45
NOV/NOV	98.62	100.10	16	96.34	8	98.63	1015.9	103.13	17*	99.24	8	101.65
DEC/DÉC	99.23	101.30	20,24	96.68	17	98.77	1023.7	104.56*	24	99.61	17	101.86
YEAR ANNÉE	98.65	102.06	Feb. 29	95.72	Jan. 13	98.62	1016.2	105.34*	Feb. 29	98.60	Aug. 4	101.60
* 1 Kilopascal = 0.29529 inches of mercury / 3.386 kilopascals = 1 inch of mercury = 0.29529 pouces de mercure / 3.386 kilopascals = 1 pouce de mercure      10 (mb) = 1 Kps.												

Prevailing Direction:

\*May winds by Kms. north  
July winds by Kms. NW  
August winds by Kms NW  
December winds by Kms S

\*Other Directions in July:

July 4 - E41  
July 7 - NW41  
July 18 - WNW41  
July 23 - SSW41  
July 24 - NNW41  
July 29 - S41

Nov. 16 - Sea Level Pressure 103.12  
(difference due to correction factor).  
Dec. 20 - Sea Level Pressure 104.53  
(difference due to correction factor).

The Sea Level Pressure for August 4 is lower than January 13th Sea Level Pressure due to correction factor.

1980 had the second highest station and Sea Level Pressure, exceeded only by 102.11 KPS January 10, 1949 (Station Pressure) and 105.41 KPS (Sea Level Pressure). January 24, 1969 also had 105.34 KPS.