

ANNUAL METEOROLOGICAL SUMMARY
SOMMAIRE MÉTÉOROLOGIQUE ANNUEL

for/pour WINNIPEG INT'L AIRPORT/AEROPORT INTERN. DE WPG. YEAR/ANNÉE: 1979

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	33.9	1952	-27.8	1932	9.4	1915	-2.8	1893	143.3	1896	2.0	1949	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

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

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YEAR/ANNÉE: 1979

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY PRECIPITATION - 1979 (mm)												
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	0.6	Tr.	1.7	2.5	6.0	9.0		40.8	10.6		2.7	Tr.
2	Tr.				0.8	0.2	Tr.	Tr.		0.6	1.3	Tr.
3	Tr.	0.6		Tr.	Tr.	1.6		6.9	1.2	0.6	Tr.	
4	Tr.	Tr.		6.0	0.3	Tr.			Tr.			0.6
5	Tr.	1.8	Tr.		Tr.	Tr.				0.6	Tr.	1.5
6	0.2	0.2	0.4		6.2	Tr.		Tr.	Tr.			Tr.
7	Tr.		Tr.	0.6	2.5	7.9			Tr.		1.4	0.2
8	0.5	Tr.	1.8	0.3	0.3			Tr.		1.0	Tr.	2.0
9	Tr.	Tr.	0.5					0.4	2.0		0.2	Tr.
10	Tr.	1.4	0.2		8.2		Tr.		0.5	3.5	0.2	4.2
11	Tr.	Tr.		Tr.	3.6		Tr.	Tr.	6.6		2.2	0.6
12	Tr.	2.4	0.4	18.5	2.2			4.0	1.0	Tr.	0.8	Tr.
13	Tr.	5.6	8.8	4.7		0.6	1.3	Tr.	1.6	Tr.	Tr.	1.6
14		0.2	Tr.	1.4		0.4	7.4			0.2	Tr.	1.0
15	Tr.	Tr.					0.3				Tr.	0.2
16	1.2	Tr.			2.2					Tr.		
17	Tr.	Tr.			1.3			0.2	0.8			
18			Tr.	9.7	Tr.		Tr.			Tr.		
19	Tr.		3.7	4.6		Tr.	0.9			3.4	Tr.	
20	1.2	Tr.	6.4	1.0		33.1				2.0		
21	0.2	1.3	0.4	Tr.	5.2	Tr.		7.4				Tr.
22	Tr.	4.2			2.9			3.8		Tr.		Tr.
23	0.2	2.2			1.2		10.4	4.8			Tr.	Tr.
24	0.2	Tr.	Tr.	12.4		0.2	Tr.	Tr.			1.8	0.2
25	1.6	0.2	2.5	1.2	4.7	Tr.	2.2				0.6	Tr.
26	Tr.		0.2							1.2	0.4	
27	Tr.	Tr.	8.5			2.2			0.4		1.8	
28	0.3	Tr.	1.4	0.2		9.9		0.6	Tr.		0.2	
29	2.2		7.0	6.7	20.3	Tr.	0.6		Tr.	Tr.	Tr.	
30	0.6		Tr.	3.7	25.2		Tr.				Tr.	
31	Tr.		1.4					7.2		2.5		Tr.
TOTAL	9.0	20.1	45.3	73.5	93.1	65.1	23.1	76.1	24.9	15.4	14.6	11.3

for/pour WPG INT'L AIRPORT / AÉROPORT INTERN. DE WPG. YEAR/ANNÉE: 1979

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY RAINFALL - 1979 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					6.0	9.0		40.8	10.6			
2						0.2	Tr.	Tr.		0.6		
3						1.6		6.9	1.2	0.6		
4					0.3	Tr.			Tr.			0.6
5			Tr.			Tr.				0.6		Tr.
6			Tr.		6.2	Tr.		Tr.	Tr.			
7					2.5	7.9			Tr.			
8			Tr.					Tr.		1.0		
9								0.4	2.0			
10					2.4		Tr.		0.5	3.5		0.4
11					Tr.		Tr.	Tr.	6.6			
12					10.4	2.2		4.0	1.0			
13					3.8		0.6	1.3	Tr.	1.6	Tr.	
14					Tr.		0.4	7.4		0.2	Tr.	0.6
15							0.3				Tr.	
16					2.2					Tr.		
17					1.3			0.2	0.8			
18			Tr.	9.7	Tr.		Tr.			Tr.		
19			3.7	4.6		Tr.	0.9			3.4	Tr.	
20			4.4	1.0		33.1				2.0		
21				Tr.	5.2	Tr.		7.4				
22					2.9			3.8		Tr.		Tr.
23					1.2		10.4	4.8				Tr.
24					12.4		0.2	Tr.	Tr.			Tr.
25					0.2	4.7	Tr.	2.2				Tr.
26										1.2		
27						2.2			0.4			
28					0.2	9.9		0.6	Tr.			
29					5.5	20.3	Tr.	0.6	Tr.	Tr.		
30					25.2		Tr.					
31								7.2		0.7		
TOTAL			8.1	47.8	82.6	65.1	23.1	76.1	24.9	13.6	0.6	1.0

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METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY MINIMUM TEMPERATURES - 1979 (°C)												
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	-34.5	-27.0	-13.8	-20.9	1.2	5.9	16.7	13.0	14.4	4.2	-2.9	-17.0
2	-26.6	-31.0	-14.5	-26.3	-2.5	9.1	18.3	11.1	11.0	7.4	-1.0	-13.6
3	-28.2	-34.0	-21.7	-18.7	-2.9	11.7	15.3	8.3	8.4	0.0	-2.0	-8.3
4	-29.5	-36.2	-19.1	-10.2	-2.7	6.9	14.1	10.2	14.5	-3.2	-7.0	-8.8
5	-30.5	-26.6	-16.8	-18.8	-2.0	6.5	15.5	6.9	9.2	0.1	-3.5	-5.9
6	-28.8	-31.3	-22.0	-24.8	-1.3	12.5	16.0	14.0	5.2	-2.8	-4.8	-8.1
7	-29.8	-33.6	-25.4	-7.5	1.6	7.5	14.2	11.1	2.0	-0.2	-14.9	-18.3
8	-28.1	-35.2	-15.3	-5.9	0.3	4.3	18.0	7.7	8.9	0.5	-16.0	-19.0
9	-32.3	-30.9	-23.9	-7.5	-1.1	7.8	18.2	13.4	7.0	-1.0	-16.9	-10.9
10	-32.8	-25.3	-26.6	-7.6	-0.6	7.3	16.1	8.5	8.5	-0.6	-14.0	-15.3
11	-35.1	-28.4	-16.7	-3.3	-0.9	3.8	18.4	7.1	8.6	-2.5	-12.8	-27.8
12	-37.7	-33.1	-9.3	0.0	-0.4	11.2	20.5	11.3	7.9	-7.4	-14.7	-27.1
13	-32.2	-32.8	-15.0	0.5	1.2	16.0	16.4	5.5	4.6	-10.6	-18.1	-24.2
14	-32.7	-25.5	-23.4	0.1	-1.6	14.8	13.8	4.6	2.3	4.0	-9.0	-24.9
15	-35.0	-33.0	-21.1	-1.7	-2.9	9.5	10.2	4.0	7.2	2.5	-1.3	-27.8
16	-33.6	-38.8	-11.0	-2.9	7.7	6.2	7.0	10.6	12.5	0.0	-1.8	-28.4
17	-31.1	-31.1	1.4	-0.1	4.0	6.1	12.2	14.2	7.9	-3.5	-2.9	-27.0
18	-24.4	-18.3	-1.2	4.8	1.5	10.7	16.2	13.5	1.5	2.6	-3.8	-13.5
19	-11.6	-17.0	-2.0	2.0	0.0	14.4	16.7	11.8	5.1	-3.1	-3.2	-14.0
20	-11.1	-19.9	-3.6	0.9	2.7	10.6	16.5	11.0	4.1	2.0	-7.4	-3.0
21	-13.9	-18.8	-3.8	-0.1	2.0	8.0	15.9	15.7	2.5	-1.4	-9.5	-8.9
22	-26.6	-16.4	-6.5	1.4	4.3	5.2	10.5	10.8	5.5	-3.6	-8.1	-4.5
23	-25.7	-26.9	-12.6	0.0	1.7	5.0	16.3	9.5	3.0	0.0	-11.2	-5.7
24	-28.3	-31.0	-14.0	0.9	4.3	9.9	13.9	6.9	6.0	-6.2	-8.8	-6.5
25	-16.0	-19.0	-10.4	-1.9	10.7	14.7	9.8	6.8	7.5	-6.9	-9.2	-7.0
26	-24.0	-13.4	-16.5	-4.2	8.2	12.3	8.2	10.2	6.4	2.2	-7.7	-12.9
27	-25.5	-22.1	-17.6	-3.3	5.4	9.8	11.4	9.3	5.1	-0.8	-9.9	-14.8
28	-20.5	-24.6	-18.5	0.7	9.9	14.7	14.7	13.2	3.0	-1.9	-12.4	-10.1
29	-19.5		-18.6	0.8	8.5	14.5	15.2	6.2	6.5	-3.0	-12.1	-12.8
30	-26.0		-14.4	0.1	4.5	12.2	10.8	4.6	1.3	-1.2	-14.4	-14.6
31	-28.7		-19.3		2.6		7.3	13.6		-0.5		-13.5
AVG.	-27.1	-27.2	-14.6	-5.1	2.0	9.6	14.3	9.8	6.6	-1.1	-8.7	-14.7

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YEAR/ANNÉE: 1979

for/pour

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
MONTH MOIS	SUNSHINE / INSOLATION					WIND / VENT						
	DURATION IN HOURS DURÉE (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 DOMINANTE	NORMAL NORMALE		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	123.6	46.2	3	112.5	12.6	WNW*	19.5	NW	S 41	18	S 59	18
FEB/FÉV	136.4	48.4	5	139.4	18.3	S	18.8	S	NNE 54	22	S 70	17
MAR/MAR	142.7	38.8	11	170.4	20.5	S	19.6	S	WSW 63	16	NNE 78	13
APR/AVR	195.0	47.2	5	208.5	17.4	NW*	21.7	S	N 52	5	S 76	19
MAY/MAI	201.8	42.3	5	246.4	19.8	N	21.1	NNE	SW 70	16	WSW 80	16
JUN/JUIN	335.1	68.6	1	258.9	16.7	S	18.5	S	S 59	13	SSW 89	13
JUL/JUIL	333.8	67.8	0	310.8	14.9	S	16.3	S	WNW 50	14	NW 81	14
AUG/AOÛT	284.7	63.5	2	276.2	15.2	N	17.1	S	SE 46	1	WSW 93	1
SEPT/SEP	189.9	50.0	1	182.6	17.6	WNW	18.8	S	WNW 52	17	WNW 76	29
OCT/OCT	127.9	38.3	3	158.4	18.1	NW*	20.3	S	N 50	31	NNW 87	5
NOV/NOV	100.7	36.9	8	81.2	15.2	NNW	20.3	S	NW 57	1	NW 74	1
DEC/DÉC	104.3	41.2	12	86.2	18.4	S	19.5	S	S 56	2,12	S 85	2
YEAR ANNÉE	2275.9	50.8	56	2231.5	17.1	S	19.3	S	SW 70	May 16	WSW 93	Aug 1
*Total Possible - 4475.8 Sunshine: 102.0% normal												
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	99.14	100.76	10	97.91	8	98.96	1021.0	104.03	10	101.00	8	102.10
FEB/FÉV	99.46	101.91	16	97.91	5	98.90	1020.1	105.23	16	101.01	5	102.01
MAR/MAR	98.71	100.28	14	96.94	12	98.82	1018.7	103.43	14	99.89	12	101.87
APR/AVR	98.74	99.94	6	96.91	13	98.59	1015.5	103.07	6	99.82	13	101.55
MAY/MAI	98.51	99.79	23	96.58	7	98.53	1014.4	102.75	23	99.46	7	101.44
JUN/JUIN	98.41	99.68	22	96.22	6	98.31	1011.7	102.60	22	99.00	6	101.17
JUL/JUIL	98.57	100.02	16	97.56	14	98.47	1013.3	102.94	16	100.38	14	101.33
AUG/AOÛT	98.48	100.22	14	96.69	31	98.49	1013.5	103.18	14	99.48	31	101.35
SEPT/SEP	98.50	99.75	18	96.64	1	98.51	1014.1	102.68	18	99.43	1	101.41
OCT/OCT	98.33	99.61	25	95.70	20	98.51	1014.5	102.61	25	98.54	20	101.45
NOV/NOV	98.69	100.29	5	96.93	18	98.63	1016.5	103.33	21*	99.83	18	101.65
DEC/DÉC	98.62	100.61	16	95.50	4	98.77	1018.6	103.83	16	98.38	4	101.86
YEAR ANNÉE	98.68	101.91	Feb 16	95.50	Dec 4	98.62	1016.0	105.23	Feb 16	98.38	Dec 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:

January winds by Kms. south
April winds by Kms. SSE
October winds by Kms. NNW

November 5 - Maximum Sea Level
Pressure: 1033.2