

for/pour WPG.INT'L AIRPORT/A L'AEROPORT INTERN.DE WPG. YEAR/ANNÉE: 1983

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 TEMPERATURE MAXIMALE	YEAR ANNÉE	LOWEST MONTHLY MEAN TEMPERATURE MINIMALE	YEAR ANNÉE	GREATEST MONTHLY PRECIPITATION MAXIMALE	YEAR ANNÉE	LEAST MONTHLY PRECIPITATION MINIMALE	YEAR ANNÉE	GREATEST MONTHLY SNOWFALL NEIGE MAXIMALE	YEAR ANNÉE
JAN/JAN	7.8	1942	-44.4	1877	-10.6	1944	-26.9	1875	85.3	1916	2.5	1903	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	22.5	1983	14.4	1977	180.6	1876	3.3	1915		
SEPT/SEP	38.8	1983	-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 1951-1980)

NOTE: SEPTEMBER - max. also in 1906
AUGUST - min also in 1891 and 1888
MARCH - min. also in 1873
OCTOBER - precipitation also in 1898
NOVEMBER - 1899 also high mean

(EXTREMES FROM COMPLETE STATION RECORD 1872-1982)

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 and August 1983 22.4°C
Warmest Summer: June to the end of August 1983 20.6°C
June to the end of September 1963 (average: 18.8°C)
Warmest day: July 11, 1936 (42.2°C)
June to the end of September 1983 was 18.7°C

Snowfall:

Greatest 24 hour: 38.1 cm-March 4, 1935
Greatest Monthly Snowfall: December 1909-101.3
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/A L'AEROPORT INTERN. DE WPG. YEAR/ANNÉE: 83

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY PRECIPITATION (1983) MM'S												
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
01	TR.	TR.	0.6	TR.			1.4		TR.	0.5		
02		TR.	13.1	1.2	TR.	6.6	11.2	18.2	TR.	5.6		Tr.
03	1.8		0.4			0.4				5.2		Tr.
04	0.5	TR.	0.4		0.2	Tr.	5.0	TR.		1.0	TR.	Tr.
05	Tr.	Tr.	5.2		TR.				1.8	0.8	TR.	TR.
06	TR.	TR.	28.0					TR.	0.4			TR.
07	Tr.	Tr.	2.5								TR.	0.2
08	2.0		0.4			2.2			10.2			0.2
09	Tr.	Tr.			TR.				0.2		TR.	
10	2.2	4.8			0.5	Tr.		0.2		1.6		1.2
11	0.8	Tr.		Tr.	TR.				1.4	0.5		1.4
12	0.3	Tr.	Tr.	1.8	4.0	Tr.		Tr.	Tr.	Tr.	1.1	
13	0.4	Tr.	0.6	0.6	1.0	21.6			3.0		0.3	
14	Tr.	0.4	Tr.						1.0		Tr.	Tr.
15		Tr.				9.5			4.0	0.4	Tr.	0.2
16	Tr.		Tr.					0.8	Tr.	Tr.		0.2
17	Tr.	3.8	0.3		0.8			Tr.	Tr.		0.2	Tr.
18		2.9	0.4		1.2		0.4	0.4			Tr.	
19	2.2	0.7	0.2		0.6	1.6	0.2		0.2		3.9	
20	Tr.	Tr.				24.4		47.2	0.8		5.2	
21	Tr.	Tr.			Tr.	7.8		1.2	Tr.		2.8	1.5
22						44.5		Tr.			1.2	Tr.
23	2.3	Tr.			2.2	0.2		2.6		4.4	0.2	Tr.
24	Tr.	Tr.	0.2		0.2	Tr.		11.4	Tr.	1.4	Tr.	0.4
25	Tr.		2.9	2.5		9.6		Tr.	Tr.		Tr.	0.2
26			0.2	Tr.			Tr.	Tr.			Tr.	Tr.
27	Tr.	2.5		Tr.	14.2			1.6	Tr.		0.2	0.2
28	Tr.	Tr.		Tr.	4.2		Tr.	0.2	5.6	0.2	0.2	Tr.
29	0.2		0.2	0.2				1.4	0.2		1.0	
30	Tr.		Tr.		Tr.	6.8	11.6		24.0		Tr.	
31	Tr.		10.0			4.0						
TOTAL	12.7	15.1	65.6	6.3	29.1	139.2	29.8	85.2	52.8	21.6	16.3	5.7

HAIL: 1983

May 17:
Unofficial reports of hail in Winnipeg.

June 2,20,21,22,25:
Unofficial reports of hail in Winnipeg.

June 8-9:
Hail at Ethelbert, Man. covered ground 7 cm.

June 19:
Hail at Birtle.

June 20:
GOLF ball hail at Somerset, hail at Miami and Starbuck.

June 22:
Unofficial hail near Dauphin.

July 15:
Hail at Swan River.

July 18:
Pea size hail at Rosburn. Baseball hail at Dropmore.

July 19:
Marble size hail near Hodgson. Hail at Graysville and Carman.

July 26:
GOLF ball hail North of The Pas.

July 29:
Hail at Lumsden.

July 30:
Grape size hail at Altona - some crop damage.

Aug. 4:
Pea size hail near Delta, Plum Coulee, Altona.

Aug. 5:
GOLF ball hail at Stonehenge and Maxstone 100% crop damage near Stonehenge

Aug. 12:
Hail reported in Swan River.

Aug. 16:
GOLF ball hail near Birtle and Hamiota.

Aug. 18:
Pea size hail at The Pas.

Aug. 24:
GOLF ball pea size hail at Swan River, hail at Rosburn, Starbuck. Near S Woody River and S. Porcupine forest - 4 mile swath destroyed.

Aug. 25:
Grape size hail at Gypsumville, hail at Steep Rock.

Aug. 27:
Pea size hail near Sprague, Piney.

FUNNEL CLOUDS -1983

June 12:
OFFICIAL funnel cloud at Anola.

June 20:
Possible tornado near Tyndall, funnel cloud near Selkirk.

July 10:
Twister near Birtle.

July 16:
Funnel cloud North of The Pas.

July 29:
Funnel cloud seen near Radville.

July 30:
Tornadoe seen near Oakland, Gladstone, Plumas, funnel cloud west of Grand Rapids.

Aug. 4:
Unconfirmed tornado North of MacGregor.

Aug. 5:
Possible funnel cloud in Maxstone area.

Aug. 14:
Possible tornado near Manitoba border at Camduff.

Aug. 17:
Small tornado at Indian Bay.

Aug. 25:
Possible tornado near Dryden, tornado near Holland, possible tornado at Hilbre near Ashern.

Aug. 27:
Possible tornado at Piney, possible funnel cloud South and North of Wpg. near drive-in late evening.

Aug. 30:
Possible funnel cloud near MacDonald. An unconfirmed funnel cloud at Portage. It touched down at Drive-In theatre, wrecked ticket office, overturned a trailer.

Sept. 5:
Water spout near Willow Point. Water spout and funnel cloud East of Gimli.

for/pour WPG. INT'L AIRPORT / A L'AEROPORT INTERN.DE WPG.-YEAR/ANNÉE: 1983

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY RAINFALL 1983 MM'S												
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
01			Tr.				1.4		Tr.	0.5		
02			Tr.		Tr.	6.6	11.2	18.2	Tr.	5.6		
03	Tr.		0.2			0.4				5.2		
04			0.4		0.2	Tr.	5.0	Tr.		1.0	Tr.	
05			5.2		Tr.				1.8	0.8	Tr.	
06			28.0					Tr.	0.4			
07			0.6								Tr.	
08	0.2					2.2			10.2			
09	Tr.				Tr.	0.5	Tr.		0.2			
10					Tr.			0.2		1.6		
11				Tr.	Tr.				1.4	Tr.		
12	Tr.		Tr.	Tr.	4.0	Tr.		Tr.	Tr.	Tr.		
13	Tr.	Tr.	Tr.		1.0	21.6			3.0		Tr.	
14		Tr.							1.0		Tr.	
15		Tr.				9.5			4.0	0.4		
16								0.8	Tr.	Tr.		
17					0.8			Tr.	Tr.		Tr.	
18		0.5			1.2		0.4	0.4			Tr.	
19		0.7			0.6	1.6	0.2		0.2		0.7	
20	Tr.					24.4		47.2	0.8		Tr.	
21	Tr.				Tr.	7.8		1.2	Tr.			
22						44.5		Tr.				
23					2.2	0.2		2.6		4.4		
24					0.2	Tr.		11.4	Tr.	1.4		
25				2.5		9.6		Tr.	Tr.			
26				Tr.			Tr.	Tr.				
27	Tr.	1.9			14.2			1.6	Tr.		Tr.	
28	Tr.				4.2		Tr.	0.2	5.6	0.2	Tr.	
29			Tr.			6.8		1.4	0.2			
30			Tr.		Tr.	4.0	11.6		24.0			
31			6.0									
TOTAL	0.2	3.1	40.4	2.5	29.1	139.2	29.8	85.2	52.8	21.1	0.7	0.0

ANNUAL METEOROLOGICAL SUMMARY
SOMMAIRE MÉTÉOROLOGIQUE ANNUEL

for/pour WPG.INT'L AIRPORT/A L'AEROPORT DE WINNIPEG

YEAR/ANNÉE: 1983

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUE POUR L'ANNÉE												
DAILY MINIMUM TEMPERATURES 1983 (°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	-19.8	-17.6	-8.4	-2.4	-5.0	3.2	14.4	16.5	19.0	4.3	5.5	-19.1
2	-21.2	-27.0	-1.7	-4.3	-0.7	11.0	15.6	18.8	20.1	6.3	-1.0	-20.6
3	-13.7	-26.8	-0.9	-2.3	-1.8	9.4	17.2	18.4	16.4	7.0	-2.5	-17.9
4	-6.5	-28.3	0.3	-2.4	-7.0	3.3	6.6	22.0	10.9	5.5	4.5	-13.6
5	-8.8	-31.1	0.3	-4.0	0.8	0.8	5.4	16.0	10.0	1.5	4.1	-21.5
6	-12.7	-31.1	-4.6	-4.2	-2.6	4.9	13.8	13.2	9.9	-0.3	-1.1	-23.8
7	-10.3	-21.0	-14.6	-3.0	-5.0	1.8	20.1	17.6	6.8	-1.6	1.8	-15.2
8	-8.1	-20.4	-15.2	-2.5	-0.4	7.9	18.0	13.6	8.9	0.6	-7.7	-25.2
9	-9.5	-17.3	-16.0	-0.3	10.0	6.3	20.8	15.2	5.1	3.9	-8.5	-27.6
10	-14.0	-7.6	-13.3	-1.4	8.2	15.1	19.5	13.7	9.1	7.0	-11.0	-28.0
11	-25.2	-15.7	-5.8	-3.1	-1.5	18.2	15.1	9.9	5.3	0.0	-10.5	-24.8
12	-24.6	-13.2	-2.8	-6.6	-9.6	18.5	14.0	17.2	2.0	-2.0	-5.5	-26.0
13	-15.5	-3.1	-9.8	-7.1	-3.1	12.8	19.0	16.8	3.8	-6.8	-1.7	-26.0
14	-21.4	-6.3	-14.1	-8.6	-6.6	10.4	18.8	12.7	6.5	-5.8	-1.0	-21.9
15	-22.6	-4.8	-8.8	-9.9	-6.6	7.6	23.5	16.4	10.0	-2.8	-2.3	-28.3
16	-22.1	-13.4	-5.2	-8.4	-5.4	4.0	17.2	14.9	9.5	-1.6	-2.4	-30.8
17	-25.7	-17.1	-7.1	-6.8	1.3	10.1	13.9	14.3	9.3	-7.4	-8.1	-31.2
18	-19.4	-14.7	-10.4	-1.4	4.7	10.6	15.9	14.0	6.1	-8.9	0.3	-32.1
19	-11.2	-9.2	-10.2	-1.4	-1.7	17.1	18.1	9.6	2.9	-7.9	0.1	-33.0
20	-6.1	-11.3	-11.8	1.1	-4.2	17.5	17.4	8.8	3.0	7.6	-4.2	-31.6
21	-5.2	-10.1	-11.9	-1.1	6.4	13.9	17.5	13.3	0.8	6.0	-6.7	-26.2
22	-7.5	-8.8	-16.1	-2.7	2.0	13.9	17.0	11.7	-1.2	4.5	-13.0	-31.3
23	-12.0	-14.8	-15.6	-1.0	3.2	12.7	14.9	15.6	-0.2	6.2	-12.6	-32.8
24	-26.7	-17.6	-7.2	4.2	0.3	16.4	13.0	16.3	6.2	1.2	-11.4	-29.2
25	-36.2	-9.7	-3.6	6.9	0.0	19.2	15.4	19.3	7.1	-1.2	-12.6	-24.0
26	-39.0	-2.1	-10.0	4.2	7.5	11.9	19.4	16.8	5.4	-0.8	-7.8	-17.2
27	-21.2	-7.6	-10.8	-2.8	9.0	9.2	20.2	15.7	13.6	3.1	-7.3	-18.0
28	-8.1	-10.3	-12.2	-4.5	5.3	9.2	17.9	16.1	5.9	-3.1	-9.5	-23.6
29	-20.8		-3.5	-2.7	6.1	12.9	15.2	15.4	-0.3	-4.7	-11.4	-24.9
30	-22.4		0.0	-5.7	7.6	14.4	15.8	14.8	2.8	-0.3	-16.0	-20.1
31	-22.2		0.4		2.1		13.4	18.3		4.3		-24.2
AVG.	-16.9	-14.9	-8.1	-2.8	0.7	10.8	16.3	15.2	7.0	0.5	-5.1	-24.6

for/pour WPG. INTERN'L AIRPORT/A L'AEROPORT INTERN. DE WPG YEAR/ANNÉE: 1983

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 DIRECTION DOMINANTE	NORMAL MORALE		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	77.0	28.8	12	121.2	19.8	SSE	18.6	S	SSE50	8	SSE65	3,8
FEB/FÉV	92.4	32.8	10	144.2	17.7	N	18.1	S	SSE57	12	SSE72	12,25
MAR/MAR	133.6	36.3	12	176.2	18.1	N	19.3	S	S48,NW48	11,13	S65	11
APR/AVR	250.0	60.6	1	219.8	17.0	N	20.9	S	N48,NW48	13	S61	25
MAY/MAI	299.1	62.7	1	265.6	19.8	N	20.2	S	SE,SSE48	9	SSE78	9
JUN/JUIN	272.9	55.8	2	276.1	16.0	SSE	18.1	S	SSE43	11	W69	20
JUL/JUIL	330.3	67.1	0	315.6	14.6	S	16.0	S	W41,NNW41	22,4	SW65	11
AUG/AOÛT	326.3	72.8	1	283.3	13.0	S	16.4	S	SSE46	12	SSE61	12
SEPT/SEP	161.6	42.6	5	184.6	16.9	W	18.5	S	WSW52,W52	10,18	W74	18
OCT/OCT	145.7	43.6	4	151.5	16.6	SSE	19.6	S	SSE50	9	SSE69	9
NOV/NOV	52.6	19.3	10	90.7	17.6	SSE	19.4	S	W48	7	SSE69	4
DEC/DÉC	138.6	54.7	4	92.6	13.9	W	18.6	S	N46	14	W61	24
YEAR ANNÉE	2280.1	50.9	62	2321.4	16.8	S*	18.6	S	SSE57	FEB 12	SSE78	MAY 9

TOTAL POSSIBLE 4475.8 (most years) leap year 4486.7

MONTH MOIS	BAROMETRIC PRESSURE*/PRESSION BAROMÉTRIQUE*											
	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	98.81	100.72	15	96.52	8	98.96	101.91	103.87	15	99.43	8	102.10
FEB/FÉV	98.80	99.94	20	97.05	13	98.90	101.85	103.07	5	99.98	13	102.01
MAR/MAR	98.81	100.30	9	96.93	13	98.82	101.82	103.40	9	99.83	13	101.87
APR/AVR	98.75	100.18	5	96.61	25	98.59	101.71	103.19	5	99.43	25	101.55
MAY/MAI	98.58	99.69	7	97.04	21	98.53	101.51	102.67	11	99.86	21	101.44
JUN/JUIN	98.21	99.32	27	97.09	30	98.31	101.10	102.23	27	99.91	30	101.17
JUL/JUIL	98.29	99.40	5	96.72	3	98.47	101.13	102.32	5	99.52	3	101.33
AUG/AOÛT	98.59	99.42	6	97.42	19	98.49	101.47	102.29	6	100.20	19	101.35
SEPT/SEP	98.42	100.17	29	96.69	5	98.51	101.28	103.15	29	99.51	5	101.41
OCT/OCT	98.81	100.22	29	97.24	27	98.51	101.77	103.21	29	100.11	27	101.45
NOV/NOV	98.48	100.32	27	96.18	20	98.63	101.48	103.35	27	99.07	20	101.65
DEC/DÉC	99.26	101.16	19	97.06	3	98.77	102.39	104.43	19	100.05	3	101.86
YEAR ANNÉE	98.65	101.16	Dec 19	96.18	Nov 20	98.62	101.62	104.43	Dec 19	99.07	Nov 20	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

FEB.* PREVAILING DIRECTION BY DISTANCE SSE FEB.20 SEA LEVEL PRESSURE 103.00
PREVAILING WINDS BY HOURS S 1090 hrs 12.4% of TOTAL HRS. 8760 hrs.
PREVAILING WINDS BY KMS SSE 23381 KMS 15.9 % of TOTAL 146768 KMS
MAY 7 SEA LEVEL PRESSURE 102.66