

FOR/POUR **WINNIPEG INTERNATIONAL AIRPORT/AEROPORT INTERN. DE WINNIPEG** YEAR/ANNEE: **1990**

MONTHLY AND ANNUAL EXTREMES OF RECORD/EXTRÊMES MENSUELS ET ANNUELS 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 MAXIMALE	YEAR ANNÉE	LEAST MONTHLY PRECIPITATION MINIMALE	YEAR ANNÉE	GREATEST MONTHLY SNOWFALL NEIGE MENSUELLE MAXIMALE	YEAR ANNÉE
JAN/JANV	7.8	1942	-44.4	1877	-10.6	1944	-26.9	1875	85.3	1916	2.5	1973*	85.3	1916
FEB/FÉVR	11.7	1958	-45.0	1966	-5.1	1878	-26.1	1875	89.9	1881	2.5	1903	89.9	1881
MAR/MARS	23.3	1946	-38.9	1873*	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	138.2	1896	0.0	1907	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	22.0	1988	12.3	1969	255.8	1901	3.3	1961	1.3	1875
JUL/JUILL	42.2	1936	1.1	1972	24.2	1936	15.4	1884	197.4	1953	13.5	1875	0.0	
AUG/AOÛT	40.6	1949	-1.1	1910	22.5	1983	14.4	1977	218.0	1985	3.3	1915	0.0	
SEPT/SEPT	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

Note/Avis 1. Period of Record/Période de registre:
2. * Indicates most recent occurrence/Indique les données les plus récentes

FOR/POUR **WINNIPEG INTERNATIONAL AIRPORT/AEROPORT INTERN. DE WINNIPEG** YEAR/ANNEE: **1990**

MONTHLY AND ANNUAL DEGREE-DAYS/DEGRÉS-JOURS MENSUELS ET ANNUELS										
MONTH MOIS	DEGREE-DAYS ABOVE/DEGRÉS-JOURS AU DESSUS DE					DEGREE-DAYS BELOW/DEGRÉS-JOURS AU DESSOUS DE				
	24 °C	18 °C	5 °C	0 °C	°C	0 °C	18 °C	°C	°C	°C
JAN/JANV						414.0	918.0			
FEB/FÉVR						409.0	913.0			
MAR/MARS			4.0	29.4		127.8	685.8			
APR/AVR		5.2	75.1	128.6		44.5	461.1			
MAY/MAI		5.1	180.2	320.1			243.0			
JUN/JUIN		42.4	377.7	527.7			54.7			
JUL/JUILL	0.9	54.7	439.8	595.2			17.9			
AUG/AOÛT	3.9	79.0	465.5	620.5			16.5			
SEPT/SEPT		14.3	266.8	417.0			137.5			
OCT/OCT			53.6	160.8		1.6	398.8			
NOV/NOV			2.0	26.8		155.4	668.6			
DEC/DÉC				0.6		478.8	1064.0			
YEAR ANNEE	4.8	200.7	1864.7	2826.7		1631.1	5578.9			

FOR/POUR WINNIPEG INTERNATIONAL AIRPORT/AEROPORT INTERN. DE WINNIPEG YEAR/ANNEE: 1990

METEOROLOGICAL DATA FOR THE YEAR/DONNÉES MÉTÉOROLOGIQUES POUR L'ANNÉE												
DAILY TOTAL PRECIPITATION/PRÉCIPITATIONS TOTALES QUOTIDIENNES												
DATE	JAN JANV	FEB FÉVR	MAR MARS	APR AVR	MAY MAI	JUN JUIN	JUL JUILL	AUG AOÛT	SEPT SEPT	OCT OCT	NOV NOV	DEC DÉC
1		TR.			TR.	15.2	TR.	0.6				
2						32.8					TR.	
3	4.0	TR.	3.4	TR.			12.0	0.6	6.6	TR.	TR.	1.2
4	TR.					3.4	0.8			TR.		TR.
5	TR.			TR.		4.0	TR.			0.4		
6					TR.		6.1		1.6			
7	1.6	0.2		0.4	0.6	22.6	4.8					
8	TR.			0.4	TR.	14.6			TR.	TR.	TR.	
9	0.2	0.4	TR.			0.2			TR.		TR.	
10	1.0	0.8		TR.							TR.	2.4
11	4.2	0.2	TR.	TR.	TR.	18.4		1.8	TR.		TR.	8.0
12	TR.	TR.	11.2			6.2						1.1
13			TR.		2.2	1.2		5.8	TR.	0.6		TR.
14			7.4	TR.			TR.		0.4	TR.		TR.
15	0.4	TR.	5.6	1.2	0.4			TR.	0.4			
16	0.2	TR.	1.8		12.6		1.0					TR.
17	0.2	4.0	0.4		4.6	0.4	2.4	1.4	6.2			
18	0.2	TR.	0.2			1.2	TR.		5.7			TR.
19						7.2		TR.			0.6	2.4
20	TR.					13.6	4.4		7.8	0.2	3.0	1.2
21	1.0	TR.	2.6		9.3	0.8	TR.		2.0		10.4	0.6
22		TR.	0.2	1.2		0.8	1.7		TR.		0.2	2.2
23	5.5	0.9		TR.				TR.		2.8	1.2	0.2
24	0.9	TR.		1.6				0.6			2.8	1.4
25	TR.	0.2		3.8				1.4			TR.	TR.
26	0.6	2.4	TR.	TR.				0.3		TR.	1.0	TR.
27	0.6			0.4			TR.	1.2		4.8	0.4	2.4
28	TR.			10.8		0.3		1.8			TR.	0.8
29	1.6					0.2						0.2
30	TR.			TR.					0.8			TR.
31	2.2		TR.					1.4				TR.
TOTAL	24.4	9.1	32.8	19.8	29.7	143.1	33.2	16.9	31.5	8.8	19.6	24.1

Note/Avis

1. TR = Trace

2. No entry/pas de valeur = no precipitation/pas de précipitations

3. Unit/Unité = 0.1 mm

4. M = Missing/Manquant

FOR/POUR **WINNIPEG INTERNATIONAL AIRPORT/AÉROPORT INTERN. DE WINNIPEG** YEAR/ANNEE: **1990**

METEOROLOGICAL DATA FOR THE YEAR/DONNÉES MÉTÉOROLOGIQUES POUR L'ANNÉE												
DAILY RAINFALL/CHUTES DE PLUIE QUOTIDIENNES												
DATE	JAN JANV	FEB FÉVR	MAR MARS	APR AVR	MAY MAI	JUN JUIN	JUL JUILL	AUG AOÛT	SEPT SEPT	OCT OCT	NOV NOV	DEC DÉC
1						15.2	TR.	0.6				
2						32.8					TR.	
3				TR.			12.0	0.6	6.6	TR.		
4						3.4	0.8			TR.		
5						4.0	TR.			0.4		
6					TR.		6.1		1.6			
7	TR.	TR.		0.2	0.6	22.6	4.8					
8	TR.				TR.	14.6			TR.	TR.	TR.	
9	TR.		TR.			0.2			TR.			
10	0.4											
11			TR.		TR.	18.4		1.8	TR.			
12			11.2			6.2						
13			TR.		2.2	1.2		5.8	TR.	0.6		
14			5.6	TR.			TR.		0.4	TR.		
15			2.8		0.4			TR.	0.4			
16	0.2				12.6		1.0					
17	0.2				3.8	0.4	2.4	1.4	6.2			
18						1.2	TR.		5.7			
19						7.2		TR.			0.3	
20						13.6	4.4		7.8	0.2	3.0	
21					9.3	0.8	TR.		2.0		10.4	
22				1.2		0.8	1.7		TR.			
23	TR.			TR.				TR.		1.6		
24				1.6				0.6				
25				3.8				1.4				
26				TR.				0.3		TR.		
27				TR.			TR.	1.2		4.8		
28				7.2		0.3		1.8				
29						0.2						
30									0.8			
31			TR.					1.4				
TOTAL	0.8	TR.	19.6	14.0	28.9	143.1	33.2	16.9	31.5	7.6	13.7	

Note/Avis

1. TR = Trace
2. No entry/pas de valeur = no rain/pas de pluie

3. Unit/Unité = 0.1 mm
4. M = Missing/Manquant

FOR/POUR WINNIPEG INTERNATIONAL AIRPORT/AÉROPORT INTERN. DE WINNIPEG YEAR/ANNEE: 1990

METEOROLOGICAL DATA FOR THE YEAR/DONNÉES MÉTÉOROLOGIQUES POUR L'ANNÉE												
DAILY MINIMUM TEMPERATURES/TEMPÉRATURES MINIMALES QUOTIDIENNES												
DATE	JAN JANV	FEB FÉVR	MAR MARS	APR AVR	MAY MAI	JUN JUIN	JUL JUILL	AUG AOÛT	SEPT SEPT	OCT OCT	NOV NOV	DEC DÉC
1	-22.0	-33.7	-4.3	-4.9	-5.4	15.7	15.8	17.1	11.8	2.4	1.9	-24.1
2	-14.3	-28.3	-17.8	-8.8	-3.5	5.1	17.8	17.9	10.6	5.5	0.8	-26.3
3	-16.3	-21.0	-18.6	-1.4	-3.4	3.2	15.1	13.5	14.9	6.9	-7.6	-12.5
4	-26.4	-11.4	-23.7	-7.9	-4.1	1.3	11.5	10.1	9.4	3.2	-7.4	-15.4
5	-21.0	-15.0	-20.7	-10.8	-3.4	9.7	11.5	8.8	11.4	1.9	-6.4	-12.1
6	-21.7	-14.6	-13.2	-12.7	7.7	8.5	10.6	11.5	10.5	-5.4	-11.8	-14.1
7	-9.4	-9.9	-4.6	-5.0	5.7	11.0	16.9	16.0	8.2	-7.6	-15.0	-3.2
8	-9.1	-12.5	-2.0	-4.5	1.9	11.6	13.2	13.4	12.6	-6.2	-2.1	-4.2
9	-13.4	-20.1	0.5	-4.9	-4.2	7.4	11.9	10.6	5.4	-3.6	-9.4	-9.9
10	-7.0	-25.4	-4.6	-9.7	-6.0	10.9	8.4	7.3	7.3	3.4	-13.5	-10.2
11	-12.2	-15.0	0.7	-9.1	-0.4	17.2	11.7	6.9	10.7	-1.6	-13.6	-4.4
12	-20.9	-22.1	1.3	-7.1	-3.3	12.8	8.7	4.4	8.6	-6.2	-12.2	-16.3
13	-16.8	-27.6	0.7	-4.2	1.3	10.5	12.6	11.2	10.0	4.1	-5.8	-20.1
14	-14.7	-29.2	-1.4	-4.2	-4.3	5.7	13.2	10.9	9.2	-0.4	-5.5	-13.4
15	-13.4	-25.2	-0.7	-5.0	2.1	3.1	12.1	8.5	4.6	-1.4	-4.2	-15.5
16	-6.0	-27.8	-5.8	-7.5	2.5	9.3	11.8	15.9	-1.8	-3.4	-7.0	-16.5
17	-13.1	-30.0	-9.8	-7.6	-3.3	13.5	16.2	12.1	7.8	-4.9	-3.9	-24.4
18	-14.8	-21.3	-13.1	-1.5	-4.1	15.2	12.4	13.7	9.1	-5.6	-4.0	-22.5
19	-19.6	-23.1	-11.5	5.1	4.2	14.6	11.7	11.1	4.4	-0.2	-7.9	-25.6
20	-17.7	-11.4	-9.0	-1.5	4.4	14.2	11.7	9.8	8.4	0.8	-1.8	-29.1
21	-11.9	-10.2	-6.3	10.9	10.1	14.4	11.8	11.3	5.6	-2.1	-6.2	-32.4
22	-9.5	-18.1	-17.6	5.7	7.8	11.0	10.5	17.1	0.4	-4.5	-9.7	-29.0
23	-9.2	-24.5	-17.6	13.5	3.9	8.6	10.4	18.7	-0.3	-5.7	-14.6	-28.4
24	-14.5	-27.8	-13.2	7.7	8.9	13.3	13.1	14.9	5.9	-3.9	-18.6	-27.6
25	-15.2	-28.8	-14.2	1.8	10.4	16.4	15.2	15.5	10.4	-0.1	-20.3	-33.7
26	-10.1	-16.4	-15.6	-3.0	4.5	13.8	18.7	14.2	6.7	3.2	-15.6	-34.7
27	-20.4	-18.3	-9.7	-4.8	9.0	17.5	20.0	11.9	3.3	-5.0	-18.5	-23.1
28	-26.3	-11.2	-10.8	-7.5	6.8	17.2	16.7	9.7	-0.5	-6.8	-21.4	-25.8
29	-25.9		-5.9	-7.4	7.7	13.3	10.3	12.4	-2.5	2.1	-18.2	-32.9
30	-32.4		1.1	-5.8	10.4	11.5	7.4	12.7	1.5	-3.4	-9.1	-35.3
31	-29.5		1.5		15.9		9.0	18.2		4.8		-30.0
AVG.	-16.6	-20.7	-8.6	-3.4	2.6	11.3	12.8	12.5	6.8	-1.3	-9.6	-21.1

Note/Avis 1. Unit/Unité = 0.1°C
2. M = Missing/Manquant

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METEOROLOGICAL DATA FOR THE YEAR/DONNÉES MÉTÉOROLOGIQUES 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 MORALE		MAX 2 MIN MEAN VITESSE MOYENNE MAX SUR 2 MIN		HIGHEST GUST RAFALE MAXIMUM		
							SPEED VITESSE	DIRECTION	DIRECTION AND SPEED DIRECTION ET VITESSE	DATE	DIRECTION AND SPEED DIRECTION ET VITESSE	DATE	
JAN/JANV	103.2	38.6	7	121.2	16.2	S	18.6	S	NW 69	10	NW 95	10	
FEB/FÉVR	168.7	59.9	1	144.2	16.2	S	18.1	S	WNW 43	12	W 70	12	
MAR/MARS	185.5	50.4	8	176.2	18.0	W	19.3	S	NNW 46	16	NNW 63*	16	
APR/AVR	223.7	54.2	3	219.8	20.0	N	20.9	S	WNW 43	30	SSW 59	18	
MAY/MAI	314.0	65.8	2	265.6	15.6	SSE	20.2	S	NNW 46	17	NNW 59	17	
JUN/JUIN	291.4	59.6	1	276.1	14.4	S	18.1	S	NNE 57	2	NNE 91	02	
JUL/JUILL.	332.6	67.5	0	315.6	13.0	S	16.0	S	ESE 37	6	ESE 56	06	
AUG/AOÛT	334.5	74.6	0	283.3	14.8	S	16.4	S	NNE 41	16	NW 72	13	
SEPT/SEPT	213.8	56.3	1	184.6	16.9	S	18.5	S	NW 54	24	NW 76	24	
OCT/OCT	170.2	51.0	1	151.5	16.0	S	19.6	S	S 56	10	S 89	10	
NOV/NOV	103.3	37.9	2	90.7	17.0	W	19.4	S	S 44	13	W 61	21	
DEC/DÉC	119.3	47.1	7	92.6	18.1	S	18.6	S	S 52	4	S 80	27	
YEAR ANNÉE	2560.2	57.2	33	2321.4	16.4	S	18.6	S	NW 69	JAN 10	NW 95	JAN 10	

*Indicates later occurrences of same speed/Indique des données postérieures de la même vitesse

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/JANV	98.06	100.13	12	95.21	10	98.96	101.09	103.25	12	98.06	10	102.10
FEB/FÉVR	98.81	100.98	25	96.61	09	98.90	101.88	104.19	25	99.54	09	102.01
MAR/MARS	98.85	100.62	06	95.68	15	98.82	101.85	103.70	06	108.55	15	101.87
APR/AVR	98.59	100.26	02	96.39	23	98.59	101.54	103.29	02	99.17	23	101.55
MAY/MAI	98.55	99.78	03	96.70	07	98.53	101.44	102.79	03	99.50	07	101.44
JUN/JUIN	98.11	99.31	14	96.68	05	98.31	100.96	102.23	14	99.50	05	101.17
JUL/JUILL	98.67	100.30	12	96.81	03	98.47	101.52	103.21	12	99.60	03	101.33
AUG/AOÛT	98.66	99.88	05	97.47	31	98.49	101.53	102.79	05	100.27	31	101.35
SEPT/SEPT	98.70	100.20	29	96.90	24	98.51	101.59	103.18	29	99.71	24	101.41
OCT/OCT	98.34	99.96	08	96.63	03	98.51	101.26	102.95	08	99.48	03	101.45
NOV/NOV	98.31	100.37	12	95.99	21	98.63	101.29	103.46	12	98.83	21	101.65
DEC/DÉC	98.87	100.55	21	96.79	5	98.77	101.96	103.80	21	99.72	5	101.86
YEAR ANNÉE	98.54	100.98	FEB 25	95.21	JAN 10	98.62	101.49	104.19	FEB 25	98.06	JAN 10	101.60

1 kilopascal = 0.29529 inches of mercury/pouce de mercure
3.386 kilopascals = 1 inch of mercury/pouce de mercure

Note/Avis 1. Normal/Normale 1951-1980
2. * Indicates first of more than one occurrence/Indique le premier de plusieurs