

ANNUAL METEOROLOGICAL SUMMARY / sommaire meteorologique annuel

FOR / pour: **WINNIPEG INTL ARPRT, MB.**

YEAR / anne: **2003**

Meteorological Data for the year / donnees meteorologique pour l'annee												
Daily Total Precipitation / precipitations totales quotidiennes (mm)												
	Jan janv	Feb fevr	Mar mars	Apr avril	May mai	Jun juin	Jul juil	Aug aout	Sep Sept	Oct Oct	Nov Nov	Dec dec
1	TR	2.0	1.5								0.5	
2	0.5	0.5							2.5		TR	
3	0.5		2.5	3.5								
4	TR	TR		2.5	1.5			1.0			2.5	2.5
5	TR	TR	0.5					10.5			1.5	TR
6	TR		3.0		2.0	3.5	6.5				0.5	1.0
7		TR			1.0	0.5	5.0					TR
8	TR				0.5					TR	0.5	TR
9	0.5	0.5			TR	3.0	0.5		TR			TR
10		0.5			4.0				12.5			TR
11		1.0	1.0			0.5	6.0		1.5	2.0		
12						2.5			1.0			
13		TR	1.0						0.5	0.5		1.0
14		0.5					9.0		0.5	TR		0.5
15		TR				3.5						3.0
16		1.0	TR		4.0		0.5				0.5	
17	3.0	TR		9.5	3.5				6.0		0.5	
18	TR	3.0			39.5		9.0		2.5		0.5	0.5
19	0.5				TR		TR				TR	TR
20		0.5	1.5		0.5		3.0	5.5	1.0		0.5	
21	TR	0.5			TR	7.0		TR	1.0			
22								0.5	1.0	1.5		
23	0.5		TR		2.5			0.5	0.5	TR	TR	
24	1.0		1.0		2.0	0.5	1.0		3.5	0.5		
25	0.5		TR			17.0		1.5	1.5	TR	3.5	
26	0.5					1.0			1.5	0.5		
27	4.0			17.5	2.0	0.5		47.5		13.0	1.5	11.0
28		0.5				3.0		4.0	TR	1.0	1.0	4.0
29	0.5				6.5		1.0		1.5			2.5
30	TR				9.0		2.0			TR	0.5	1.0
31	TR		6.5				1.0			TR		1.0

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FOR / pour: WINNIPEG INTL ARPRT, MB.

YEAR / anne: 2003

Meteorological Data for the year / donnees meteorologique pour l'annee												
Daily Rainfall / chutes du pluie quotidiennes (mm)												
	Jan janv	Feb fevr	Mar mars	Apr avril	May mai	Jun juin	Jul juil	Aug aout	Sep Sept	Oct Oct	Nov Nov	Dec dec
1												
2		TR							2.5			
3	0.5											
4	TR				1.5			1.0				
5	TR							10.5				
6					2.0	3.5	6.5					
7					1.0	0.5	5.0					
8	TR				0.5						TR	
9					TR	3.0	0.5		TR			
10					4.0				12.5			
11						0.5	6.0		1.5	2.0		
12						2.5			1.0			
13									0.5	0.5		
14							9.0		0.5	TR		
15						3.5						
16			TR		4.0		0.5					
17					3.5				6.0			
18					39.5		9.0		2.5			
19					TR		TR					
20			1.0		0.5		3.0	5.5	1.0			
21					TR	7.0		TR	1.0			
22								0.5	1.0			
23			TR		2.5			0.5	0.5	TR		
24			1.0	TR	2.0	0.5	1.0		3.5	0.5		
25				TR		17.0		1.5	1.5	TR		
26						1.0			1.5			
27				17.5	2.0	0.5		47.5				
28						3.0		4.0	TR			
29					6.5		1.0		1.5			
30					9.0		2.0					
31			6.5				1.0					

ANNUAL METEOROLOGICAL SUMMARY / sommaire meteorologique annuel

FOR / pour: **WINNIPEG INTL ARPRT, MB.**

YEAR / anne: **2003**

Meteorological Data for the year / donnees meteorologique pour l'annee												
Daily Minimum Temperatures / temperatures minimales quotidiennes (C)												
	Jan janv	Feb fevr	Mar mars	Apr avril	May mai	Jun juin	Jul juil	Aug aout	Sep Sept	Oct Oct	Nov Nov	Dec dec
1	-12.1	-7.1	-32.8	-5.4	-6.6	4.6	17.7	12.6	9.8	-8.8	-11.9	-14.7
2	-8.8	-15.7	-37.4	-7.4	2.0	5.8	16.8	11.6	12.2	0.3	-15.6	-14.7
3	-5.9	-27.1	-28.9	-7.0	5.9	11.9	16.9	11.8	6.5	2.4	-18.6	-7.2
4	-6.2	-31.8	-30.5	-11.8	8.4	10.8	14.6	14.7	4.9	1.5	-8.7	-6.3
5	-9.1	-28.8	-30.5	-11.4	3.1	11.2	11.4	17.8	11.4	3.7	-13.3	-14.6
6	-10.0	-33.5	-28.3	-6.6	1.1	8.0	14.7	12.1	8.3	4.8	-15.6	-10.4
7	-1.2	-20.5	-32.6	-2.1	7.8	9.5	8.9	14.2	12.8	4.8	-20.7	-3.1
8	-5.1	-28.5	-34.6	-0.4	11.4	4.8	5.7	18.5	18.3	8.6	-20.6	-17.4
9	-14.7	-32.2	-24.4	1.8	6.8	2.3	10.3	16.0	18.7	9.2	-8.4	-20.2
10	-21.8	-32.5	-25.9	-0.2	3.3	3.5	10.3	15.7	17.6	5.2	-9.1	-29.8
11	-24.1	-25.5	-21.9	-3.7	-0.2	6.9	13.5	18.0	13.2	6.2	-7.1	-31.6
12	-23.6	-28.2	-25.5	1.4	-3.9	12.2	11.4	19.5	12.1	2.1	-12.2	-25.6
13	-25.8	-28.8	-20.2	6.2	1.3	7.5	16.8	18.4	10.1	2.6	-12.0	-12.7
14	-23.7	-34.4	-3.3	0.8	3.7	9.1	13.5	20.0	6.9	-1.3	-7.8	-12.7
15	-21.8	-36.0	-4.6	-2.1	6.4	17.4	9.5	16.4	4.7	-3.6	-6.9	-15.8
16	-21.7	-14.9	-5.4	-2.5	9.3	14.9	11.3	11.4	6.9	-4.2	-4.9	-19.8
17	-21.5	-8.8	-3.1	-2.8	10.1	10.0	8.2	18.1	9.9	-3.7	1.5	-15.9
18	-25.5	-15.4	-5.2	-2.8	3.0	6.7	14.5	21.2	7.0	-1.4	-2.0	-17.0
19	-26.0	-14.0	-0.8	-0.3	0.2	8.1	13.8	18.3	4.5	4.3	-3.8	-20.5
20	-28.5	-21.1	-1.2	0.3	-2.4	16.1	12.8	19.2	5.3	1.7	-8.2	-6.7
21	-28.0	-30.7	-3.2	-4.9	6.4	17.2	10.0	13.1	6.4	4.6	-16.2	-5.0
22	-34.2	-33.8	-3.2	-1.2	4.2	11.4	9.5	9.2	3.1	3.6	-16.7	-15.5
23	-33.9	-33.5	-1.6	2.8	7.5	10.4	14.1	18.1	-0.8	1.3	-14.8	-13.2
24	-22.1	-35.9	0.8	9.6	7.5	11.9	16.7	17.8	-0.2	1.1	-19.2	-11.8
25	-28.7	-26.2	-3.2	2.4	3.4	10.6	16.4	11.4	0.5	-2.8	-10.0	-6.8
26	-30.7	-29.6	-4.7	1.9	7.6	8.0	13.1	8.6	0.7	-2.1	-17.0	-4.3
27	-18.7	-23.9	-5.9	0.1	9.0	6.3	9.3	4.7	0.4	-0.8	-11.8	-1.1
28	-30.2	-20.5	-8.4	-5.9	6.5	10.7	16.1	9.6	0.4	-3.5	-18.9	-9.5
29	-29.9		-6.5	-9.2	13.2	9.7	15.1	6.1	-1.7	-8.7	-8.6	-13.4
30	-14.9		-3.1	0.0	5.1	11.7	12.6	9.6	-6.3	-2.1	-7.9	-23.6
31	-16.0		-0.1		1.2		9.0	13.9		-8.6		-28.3

ANNUAL METEOROLOGICAL SUMMARY / sommaire meteorologique annuel

STATION NAME: WINNIPEG INTL ARPRT, MB.

YEAR / ANNEE: 2003

MONTHLY AND ANNUAL DEGREE DAYS / DEGREES-JOURS MENSUELS ET ANNUELS

MONTH mois	COOLING de refri geration	NORMAL norm	GROWING de crois sance	NORMAL norm	HEATING de chauffe	NORMAL norm	NOTE: The following units are used ... Temperature: Degrees Celsius (C) Rain: Millimetres and tenths (mm) Snow: Centimetres and tenths (cm) Total Precipitation: Millimetres (mm) Wind Speed: Kilometres per hour (km/h) Wind Dir: Direction (True North) Sunshine: Hour and tenths of bright sun AVIS: Unites Utilisees Temperature: Degres et dixiemes Celsius (C) Pluie: Millimetres et dixiemes Neige: Cetimetres et dixiemes Precipitation Totale: Millimetres (mm) Vitesse du vent: Kilometres Direction du vent: Direction (nord) Insolation: nombre des heures et dixiemes
Jan/jan	0.0	0.0	0.0	0.0	1038.9	1109.3	
Feb/fev	0.0	0.0	0.0	0.0	1046.0	893.8	
Mar/mar	0.0	0.0	2.9	1.7	812.7	746.1	
Apr/avr	0.0	0.7	83.5	58.7	377.7	421.6	
May/mai	2.4	14.6	238.6	225.1	168.4	200.1	
Jun/jui	23.2	37.5	350.2	359.9	63.0	67.7	
Jul/jui	60.7	68.3	446.9	450.5	16.8	20.9	
Aug/aou	130.7	56.4	513.9	418.0	19.8	41.3	
Sep/sep	17.9	7.9	234.6	221.9	178.9	178.8	
Oct/oct	0.0	0.2	106.4	66.5	353.8	395.5	
Nov/nov	0.0	0.0	0.0	4.1	754.6	698.0	
Dec/dec	0.0	0.0	0.0	0.0	857.8	1004.5	
TOTAL	234.9	185.6	1977.0	1806.4	5688.4	5777.6	

MONTHLY AND ANNUAL EXTREMES OF RECORD / EXTREMES MENSUELS ET ANNUELS AUX REGISTRES

MONTH mois	TEMPERATURE / temperature								PRECIPITATION / precipitations					
	ABSOLUT MAX	YEAR	ABSOLUT MIN	YEAR	HIGHEST MONTHLY MEAN	YEAR	LOWEST MONTH MEAN	YEAR	HIGHEST MONTH PRECIP	YEAR	LOWEST MONTH PRECIP	YEAR	HIGH MONTH SNOW	YEAR
JAN/jan	7.8	1942	-44.4	1877	-10.6	1944	-26.9	1875	85.30	1916	2.5	1973	85.3	1916
FEB/fev	11.7	1958	-45.0	1966	-5.1	1878	-26.1	1875	89.90	1881	0.2	1993	89.9	1881
MAR/mar	23.3	1946	-38.9	1873	1.6	1878	-16.1	1899	76.20	1904	1.5	1939	76.2	1904
APR/avr	34.3	1980	-27.8	1932	9.4	1915	-2.8	1893	143.30	1896	TR	1980	48.6	1997
MAY/mai	37.8	1934	-11.7	1907	17.8	1977	4.4	1907	177.70	1977	0.8	1917	32.5	1931
JUN/jui	38.3	1900	-6.1	1888	22.0	1988	12.3	1969	255.80	1901	3.3	1961	1.3	1875
JUL/jui	42.2	1936	1.1	1972	24.2	1936	15.4	1884	197.40	1953	13.5	1875	0.0	SVRL
AUG/aou	40.6	1949	-1.1	1910	22.5	1983	14.4	1977	218.00	1985	3.3	1915	0.0	SVRL
SEP/sep	38.8	1983	-8.3	1899	16.8	1948	8.0	1965	156.20	1872	1.3	1948	18.3	1872
OCT/oct	30.5	1992	-20.6	1936	12.8	1963	-0.5	2002	144.00	1949	2.5	1976	38.6	1919
NOV/nov	23.9	1975	-36.7	1875	1.3	1923	-13.9	1896	90.20	1955	0.8	1976	80.3	1955
DEC/dec	11.7	1939	-47.8	1879	-3.4	1877	-25.9	1879	101.30	1909	2.5	1892	101.3	1909