

for/pour **WINNIPEG INT'L AIRPORT**

YEAR/ANNÉE 1993

METEOROLOGICAL DATA FOR THE YEAR / DONNÉES MÉTÉOROLOGIQUES POUR L'ANNÉE												
NOTE: The following units are used throughout this summary - Temperature: Degrees and tenths Celsius (°C) Rain: Millimetres and tenths (mm) Snow: Centimetres and tenths (cm) Total Precipitation: Millimetres and tenths (mm) Wind Speed: Kilometres per hour (km/h) Wind Direction: Direction (true north) from which the wind is blowing. Barometric Pressure: Kilopascals and hundredths (kPa) Sunshine: Hours and tenths of bright sunshine.						AVIS: Unités Utilisées - Température: Degrés et dixièmes Celsius (°C) Pluie: Millimètres et dixièmes (mm) Neige: Centimètres et dixièmes (cm) Précipitation Totale: Millimètres et dixièmes (mm) Vitesse du vent: Kilomètres par heure (km/h) Direction du vent: Direction (nord géographique) d'où le vent souffle. Pression Barométrique: Kilopascals et centièmes (kPa) Insolation: Nombre d'heures et dixièmes d'insolation effective						

MONTH MOIS	TEMPERATURE / TEMPÉRATURE										DEGREE DAYS DEGRÉS JOURS	
	MEAN / MOYENNE			NORMAL / NORMALE			EXTREME / EXTRÊME				BELOW 18.0°C AU DESSOUS DE 18.0°C	NORMAL NORMALE
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MONTHLY MENSUELLE	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	MAXIMUM MAXIMALE	DATE	MINIMUM MINIMALE	DATE		
JAN/JANV	-11.7	-21.5	-16.6	-13.2	-23.6	-18.3	5.1	30	-35.3	9	1072.7	1129.1
FEB/FÉVR	-10.0	-19.6	-14.8	-9.7	-20.6	-15.1	3.1	2	-29.6	-16	919.7	936.2
MAR/MARS	-1.4	-9.6	-5.5	-1.8	-12.4	-7.0	7.8	2	-25.1	17	728.6	778.5
APR/AVR	10.9	-2.4	4.3	9.8	-2.3	3.8	19.9	23	-10.0	25	411.4	428.6
MAY/MAI	17.9	4.4	11.2	18.6	4.5	11.6	29.2	6	-3.3	21	217.6	212.0
JUN/JUIN	21.2	9.7	15.5	23.4	10.4	16.9	30.2	11	0.3	2	103.1	69.0
JUL/JUILL	22.3	13.1	17.7	26.1	13.4	19.8	27.7	29	6.7	7	37.9	18.5
AUG/AOÛT	22.9	12.8	17.9	24.9	11.7	18.3	30.7	10	5.6	31	40.9	45.7
SEPT/SEPT	15.8	4.8	10.3	18.6	6.1	12.4	24.2	3	-1.7	29	229.8	178.6
OCT/OCT	8.5	-2.4	3.1	11.3	0.1	5.7	17.7	5	-9.1	30	464.4	380.9
NOV/NOV	-1.1	-10.0	-5.6	-0.4	-9.2	-4.7	8.5	16	-21.6	23	706.4	683.3
DEC/DÉC	-8.6	-16.7	-12.7	-9.9	-19.4	-14.6	0.2	15	-32.6	26	952.0	1013.7
YEAR ANNÉE	7.2	-3.1	2.1	8.1	-3.4	2.4	30.7	AUG 10	-35.3	JAN 9	5884.5	5874.1

MONTH MOIS	PRECIPITATION / PRÉCIPITATIONS													
	MONTHLY / MENSUELLE			NORMAL / NORMALE			EXTREME / EXTRÊME							
	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL	RAIN PLUIE	SNOW NEIGE	TOTAL	RAIN / PLUIE				SNOW / NEIGE			
							6 HRS	DATE	24 HRS	DATE	6 HRS	DATE	24 HRS	DATE
JAN/JANV	TR	18.4	14.0	0.3	22.6	19.3	TR	20	TR	20	3.2	27	5.0	27
FEB/FÉVR	TR	0.2	0.2	0.4	17.1	14.8	TR	9	TR	9	0.2	22	-0.2	22
MAR/MARS	1.8	11.0	9.7	5.9	19.2	23.1	1.8	28	1.8	28	3.4	9	5.2	15
APR/AVR	24.2	TR	24.2	26.4	9.4	35.9	8.2	27	13.6	27	TR	24	TR	24
MAY/MAI	34.8	0.0	34.8	57.8	2.0	59.8	10.8	7	14.4	8	0.0	0	0.0	0
JUN/JUIN	78.8	0.0	78.8	83.8	TR	83.8	15.8	12	15.8	12	0.0	0	0.0	0
JUL/JUILL	193.4	0.0	193.4	72.0	0.0	72.0	62.2	25	83.6	25	0.0	0	0.0	0
AUG/AOÛT	190.8	0.0	190.8	75.3	0.0	75.3	72.2	8	72.2	8	0.0	0	0.0	0
SEPT/SEPT	22.4	0.0	22.4	50.9	0.4	51.3	5.0	8	5.0	8	0.0	0	0.0	0
OCT/OCT	15.2	4.6	19.8	24.6	4.9	29.5	6.8	27	12.4	27	2.4	17	2.4	17
NOV/NOV	0.2	22.4	20.2	5.3	19.0	21.2	0.2	4	0.2	4	5.2	26	10.4	26
DEC/DÉC	TR	15.2	13.0	1.6	20.1	18.6	TR	2	TR	2	2.6	5	3.4	28
YEAR ANNÉE	561.6	71.8	621.3	404.3	114.7	504.6	72.2	AUG 8	83.6	JULY 25	5.2	NOV 26	10.4	NOV 26

Note/Avls
1. Normal/Normale 1961-1990
2. TR = Trace
3. M = Missing/Manquant

4. No entry/Pas de valeur = No rain or snow/Pas de pluie ou neige
5. * Indicates first of more than one occurrence/Indique le premier de plusieurs

For/Pour: WINNIPEG INT'L AIRPORT

Year/Annee: 1993

METEOROLOGICAL DATA FOR THE YEAR / DONNEES METEOROLOGIQUES POUR L'ANNEE												
DAILY MAXIMUM TEMPERATURES / TEMPERATURES MAXIMALES QUOTIDIENNES												
DATE	JAN JANV	FEB FEVR	MAR MARS	APR AVR	MAY MAI	JUN JUIN	JUL JUILL	AUG AOUT	SEPT SEPT	OCT OCT	NOV NOV	DEC DEC
1	-22.6	1.9	4.9	3.6	8.8	17.8	23.0	20.3	16.5	3.7	6.8	-0.1
2	-8.6	3.1	7.8	5.2	14.0	16.6	25.2	18.4	14.7	8.8	3.1	-5.3
3	-13.2	0.4	3.0	7.4	22.9	19.2	24.2	19.3	24.2	15.0	1.1	-5.4
4	-16.8	0.2	3.8	10.0	23.5	22.6	24.7	17.5	13.5	9.4	-1.4	-2.2
5	-17.2	-10.3	4.0	12.4	24.9	25.1	19.7	21.1	15.2	17.7	-4.2	-2.0
6	-19.6	-6.3	2.7	12.0	29.2	19.6	14.4	22.9	17.8	17.6	-1.7	-7.6
7	-23.1	-8.7	1.5	10.2	23.2	21.1	18.4	24.2	17.9	3.1	-3.2	-7.2
8	-28.3	-6.8	-1.0	8.7	21.8	19.3	22.2	26.4	19.8	4.0	-3.6	-5.8
9	-26.2	-4.9	0.6	6.8	18.3	25.2	25.3	27.2	15.1	11.0	-3.9	-11.2
10	-19.4	-18.0	-9.4	7.6	24.7	27.7	21.5	30.7	15.6	15.5	-0.3	-16.3
11	-9.5	-10.7	-6.5	9.4	28.8	30.2	17.1	29.4	22.7	6.7	1.6	-6.6
12	-8.5	-9.2	-11.8	8.4	19.5	29.3	19.6	19.1	15.2	3.9	2.7	-2.5
13	-10.1	-11.2	-12.6	11.7	26.5	21.4	18.6	22.4	6.6	10.4	1.3	-3.2
14	-15.6	-15.6	-5.2	9.5	11.7	14.6	22.4	19.2	9.9	7.4	2.3	-5.0
15	-16.6	-18.4	-6.7	12.1	9.6	21.3	21.5	19.5	12.5	10.8	4.9	0.2
16	-10.1	-22.2	-15.5	12.9	12.5	14.5	22.5	24.9	14.5	5.5	8.5	-2.9
17	-13.5	-16.8	-11.6	15.9	10.9	20.0	25.2	23.5	16.7	5.5	3.8	-0.8
18	-12.3	-13.3	-3.7	8.6	10.3	22.6	24.8	24.1	14.4	11.7	3.6	-1.8
19	-4.1	-14.1	-1.0	9.6	12.9	24.1	21.0	21.8	19.4	15.6	-2.2	-2.7
20	-3.6	-11.7	-9.1	11.1	16.6	29.5	20.4	23.8	17.7	7.7	5.7	-12.5
21	-1.2	-14.4	-5.7	16.6	19.5	27.2	24.0	26.7	12.0	4.0	5.8	-9.7
22	-1.2	-18.7	0.4	19.1	27.3	29.5	23.5	25.6	13.5	12.4	-14.4	-16.4
23	-7.6	-16.1	1.6	19.9	14.2	25.4	21.3	25.6	20.0	15.3	-12.4	-17.0
24	-14.6	-14.3	4.8	10.3	16.6	20.7	22.0	28.2	21.6	15.0	-7.3	-13.0
25	-9.4	-12.1	2.2	5.7	13.8	15.7	20.0	24.2	21.4	11.9	-4.2	-25.2
26	-8.9	-8.2	3.4	19.3	14.6	13.5	23.9	20.7	12.5	4.6	-2.6	-24.8
27	-8.9	-6.1	3.5	12.7	11.9	12.9	19.7	19.7	15.7	7.6	-4.3	-21.8
28	-14.9	1.8	2.8	9.8	18.6	14.8	23.0	23.6	7.9	3.3	-4.6	-12.3
29	-5.5		2.6	7.3	16.4	19.2	27.7	17.9	11.7	-2.1	-11.4	-16.6
30	5.1		5.3	12.2	16.1	16.1	27.1	18.7	17.5	-2.5	-1.8	-4.3
31	4.5		2.6		16.4		26.2	21.8		2.0		-5.4
MEAN	-11.7	-10.0	-1.4	10.9	17.9	21.2	22.3	22.9	15.8	8.5	-1.1	-8.6

NOTE: UNIT = °C

MISG = MISSING ENTRY

For/Pour: WINNIPEG INT'L AIRPORT

Year/Annee: 1993

METEOROLOGICAL DATA FOR THE YEAR / DONNEES METEOROLOGIQUES POUR L'ANNEE												
DAILY MEAN TEMPERATURES / TEMPERATURES MOYENNES QUOTIDIENNES												
DATE	JAN JANV	FEB FEVR	MAR MARS	APR AVR	MAY MAI	JUN JUIN	JUL JUILL	AUG AOUT	SEPT SEPT	OCT OCT	NOV NOV	DEC DEC
1	-28.2	-2.4	0.9	-1.6	4.4	9.8	18.4	17.0	14.2	-1.2	3.6	-2.7
2	-15.6	-0.6	-0.1	-0.5	6.8	8.4	19.4	14.8	11.0	1.2	1.3	-7.2
3	-18.6	-4.7	0.3	0.8	15.0	10.4	19.7	13.5	16.0	8.4	-0.7	-9.6
4	-21.8	-5.3	-0.6	4.4	12.6	12.7	20.8	14.5	9.7	4.3	-3.8	-5.0
5	-21.1	-12.2	-1.3	6.2	15.0	17.7	15.9	14.7	10.8	9.4	-6.6	-7.2
6	-23.2	-9.6	-0.6	5.8	20.5	13.0	12.4	15.8	11.4	10.3	-7.7	-11.2
7	-26.6	-13.7	-0.8	5.4	19.1	13.8	12.6	17.9	12.1	-1.0	-6.0	-10.7
8	-31.5	-13.4	-2.5	4.8	18.0	15.5	16.8	21.2	15.0	-2.4	-8.0	-10.5
9	-30.8	-11.7	-4.4	1.7	14.0	19.3	18.3	21.6	10.5	2.2	-9.2	-14.4
10	-27.0	-21.0	-14.3	0.6	15.3	19.5	16.6	23.2	8.9	6.9	-7.4	-20.2
11	-14.4	-18.8	-13.6	4.0	19.4	23.1	13.0	23.8	15.6	0.4	-0.6	-13.0
12	-9.4	-12.8	-16.8	5.3	12.0	23.2	15.1	15.2	10.0	-0.7	-0.8	-4.6
13	-15.0	-15.7	-18.8	5.8	16.9	17.4	12.8	15.6	4.6	4.4	-4.2	-6.2
14	-19.3	-18.3	-12.4	3.1	6.3	10.4	15.2	17.4	6.7	1.0	-2.2	-8.9
15	-21.0	-22.9	-9.8	3.2	4.8	13.4	16.6	16.9	7.7	5.4	-1.2	-2.5
16	-15.4	-25.9	-19.4	5.3	5.4	12.6	19.1	18.0	9.6	1.7	2.5	-5.6
17	-18.8	-22.3	-18.4	5.7	5.5	13.1	20.9	19.6	8.8	2.8	-2.5	-2.3
18	-15.8	-16.8	-10.4	2.0	4.2	14.8	19.3	18.2	9.4	5.8	0.4	-4.0
19	-11.9	-18.9	-5.3	0.5	8.4	16.6	16.6	17.4	12.0	7.8	-6.0	-9.6
20	-6.4	-17.4	-14.2	2.2	9.8	20.4	15.4	17.2	12.6	4.2	-1.2	-17.2
21	-3.8	-18.0	-13.2	8.6	8.1	21.5	17.3	20.0	9.8	1.8	-4.8	-13.0
22	-6.8	-21.8	-6.0	8.4	19.2	23.2	20.2	22.4	8.8	5.0	-16.4	-20.8
23	-11.2	-22.2	-1.4	12.0	11.8	20.7	18.4	21.8	11.8	8.8	-17.0	-20.6
24	-18.8	-19.4	2.4	2.0	10.6	16.5	19.8	22.4	14.0	8.8	-14.2	-19.2
25	-16.4	-18.0	1.4	-2.2	8.2	13.0	19.0	19.6	13.9	7.6	-8.2	-28.2
26	-15.1	-14.8	2.0	9.0	6.0	11.2	20.2	17.2	6.8	1.0	-4.2	-28.7
27	-15.3	-11.9	2.2	9.0	9.6	10.6	17.5	16.1	9.2	2.2	-7.5	-25.8
28	-19.2	-4.6	1.8	6.4	9.8	12.0	18.6	18.0	3.6	-0.2	-10.7	-18.3
29	-14.0		1.4	3.9	11.0	15.2	20.2	13.8	5.0	-5.1	-15.6	-20.1
30	-0.6		2.7	6.0	9.4	14.0	22.5	14.0	10.0	-5.8	-7.1	-10.4
31	-0.6		-0.9		8.6		19.8	13.7		-1.2		-15.4
MEAN	-16.6	-14.8	-5.5	4.3	11.2	15.4	17.7	17.8	10.3	3.0	-5.5	-12.7

NOTE: UNIT = °C

MISG = MISSING ENTRY

For/Pour: WINNIPEG INT'L AIRPORT

Year/Annee: 1993

METEOROLOGICAL DATA FOR THE YEAR / DONNEES METEOROLOGIQUES POUR L'ANNEE												
DAILY SNOWFALL / CHUTES DE NEIGE QUOTIDIENNES												
DATE	JAN JANV	FEB FEVR	MAR MARS	APR AVR	MAY MAI	JUN JUIN	JUL JUILL	AUG AOUT	SEPT SEPT	OCT OCT	NOV NOV	DEC DEC
1	.	.	.	.	.	.	.	.	.	0.2	0.4	1.6
2	2.0	.	.	.	.	.	.	.	.	.	0.2	1.0
3	0.2	.	TR	.	.	.	.	.	.	.	TR	TR
4	TR	.	.	.	.	.	.	.	.	.	TR	.
5	0.2	.	.	.	.	.	.	.	.	.	0.2	2.6
6	TR	TR	TR	.	.	.	.	.	.	.	TR	.
7	TR	TR	TR	.	.	.	.	.	.	.	TR	.
8	TR	.	TR	.	.	.	.	.	.	.	2.6	TR
9	TR	.	3.6	.	.	.	.	.	.	.	2.0	TR
10	.	.	TR	.	.	.	.	.	.	.	0.2	.
11	2.0	.	1.8	.	.	.	.	.	.	.	.	.
12	4.2	TR	.	.	.	.	.	.	.	.	.	.
13	TR	TR	TR	.	.	.	.	.	.	.	.	TR
14	TR	TR	TR	.	.	.	.	.	.	.	TR	TR
15	TR	TR	5.2	.	.	.	.	.	.	.	.	.
16	.	.	TR	.	.	.	.	.	.	TR	TR	.
17	.	.	.	.	.	.	.	.	.	2.4	.	.
18	.	.	.	.	.	.	.	.	.	.	.	TR
19	.	.	0.4	.	.	.	.	.	.	.	TR	0.6
20	1.6	.	TR	.	.	.	.	.	.	TR	TR	1.0
21	.	TR	.	.	.	.	.	.	.	TR	TR	3.0
22	.	0.2	.	.	.	.	.	.	.	.	TR	TR
23	.	.	.	.	.	.	.	.	.	.	.	TR
24	TR	.	.	TR	.	.	.	.	.	.	.	1.6
25	2.6	.	.	.	.	.	.	.	.	.	2.8	TR
26	0.4	.	.	TR	.	.	.	.	.	*	10.4	TR
27	5.0	.	.	.	.	.	.	.	.	.	3.6	.
28	0.2	.	.	.	.	.	.	.	.	0.8	TR	3.4
29	.	.	.	.	.	.	.	.	.	1.2	TR	.
30	.	.	TR	.	.	.	.	.	.	TR	.	0.4
31	.	.	TR	.	.	.	.	.	.	.	.	.
TOTAL	18.4	0.2	11.0	TR	0.0	0.0	0.0	0.0	0.0	4.6	22.4	15.2

NOTE: TR = TRACE
 . = ZERO VALUE

MISG = MISSING ENTRY
 UNIT = mm

For/Pour: WINNIPEG INT'L AIRPORT

Year/Annee: 1993

METEOROLOGICAL DATA FOR THE YEAR / DONNEES METEOROLOGIQUES POUR L'ANNEE												
SNOW ON GROUND / NEIGE AU SOL												
DATE	JAN JANV	FEB FEVR	MAR MARS	APR AVR	MAY MAI	JUN JUIN	JUL JUILL	AUG AOUT	SEPT SEPT	OCT OCT	NOV NOV	DEC DEC
1	36	23	30	TR	.	.	.	.	.	.	TR	7
2	35	22	28	TR	.	.	.	.	.	.	TR	7
3	36	20	28	TR	.	.	.	.	.	.	.	5
4	36	20	28	TR	.	.	.	.	.	.	.	5
5	36	20	14	TR	.	.	.	.	.	.	TR	5
6	36	20	14	.	.	.	.	.	.	.	TR	5
7	36	20	12	.	.	.	.	.	.	.	.	8
8	36	20	12	.	.	.	.	.	.	.	.	8
9	36	33	10	.	.	.	.	.	.	.	2	8
10	36	33	11	.	.	.	.	.	.	.	3	8
11	37	33	11	.	.	.	.	.	.	.	3	7
12	37	32	12	.	.	.	.	.	.	.	1	7
13	39	32	12	.	.	.	.	.	.	.	1	7
14	39	32	12	.	.	.	.	.	.	.	TR	7
15	37	32	12	.	.	.	.	.	.	.	TR	7
16	37	32	17	.	.	.	.	.	.	.	TR	5
17	36	32	17	.	.	.	.	.	.	TR	.	5
18	35	32	16	.	.	.	.	.	.	.	.	5
19	35	31	15	.	.	.	.	.	.	.	.	5
20	35	31	15	.	.	.	.	.	.	.	.	6
21	35	31	15	.	.	.	.	.	.	.	.	7
22	34	31	15	.	.	.	.	.	.	.	TR	9
23	33	31	15	.	.	.	.	.	.	.	TR	9
24	33	31	13	.	.	.	.	.	.	.	.	8
25	33	30	10	.	.	.	.	.	.	.	.	8
26	35	30	4	.	.	.	.	.	.	.	3	8
27	35	30	3	.	.	.	.	.	.	.	14	8
28	40	30	2	.	.	.	.	.	.	.	13	8
29	40		2	.	.	.	.	.	.	.	10	9
30	37		TR	.	.	.	.	.	.	TR	9	9
31	28		TR	.	.	.	.	.	.	TR		9

NOTE: TR = TRACE
 . = ZERO VALUE

MISG = MISSING ENTRY
 UNIT = cm

for/pour

WINNIPEG INT'L AIRPORT

YEAR/ANNÉE 1993

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 MAXIMALE	YEAR ANNÉE	LOWEST MONTHLY MEAN MINIMALE	YEAR ANNÉE	GREATEST MONTHLY PRECIPITATION MAXIMALE	YEAR ANNÉE	LEAST MONTHLY PRECIPITATION MINIMALE	YEAR ANNÉE	GREATEST MONTHLY SNOWFALL NEIGE 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	0.2	1993	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	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	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	SVRL
AUG/AOÛT	40.6	1949	-1.1	1910	22.5	1983	14.4	1977	218.0	1985	3.3	1915	0.0	SVRL
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	30.5	1992	-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 INT'L AIRPORT

YEAR/ANNÉE: 1993

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	10°C	5°C	0°C	0°C	18°C	°C	°C	°C
JAN/JANV	0.0	0.0	0.0	0.0	0.0	514.7	1072.7			
FEB/FÉVR	0.0	0.0	0.0	0.0	0.0	415.7	919.7			
MAR/MARS	0.0	0.0	0.0	0.0	15.1	185.7	728.6			
APR/AVR	0.0	0.0	2.0	29.5	132.9	4.3	411.4			
MAY/MAI	0.0	6.2	80.9	193.1	346.6	0.0	217.6			
JUN/JUIN	0.0	26.9	165.4	313.8	463.8	0.0	103.1			
JUL/JUILL	0.0	28.9	239.0	394.0	549.0	0.0	37.9			
AUG/AOÛT	0.0	36.1	243.2	398.2	553.2	0.0	40.9			
SEPT/SEPT	0.0	0.0	41.2	161.8	310.2	0.0	229.8			
OCT/OCT	0.0	0.0	0.3	29.3	111.9	17.8	463.9			
NOV/NOV	0.0	0.0	0.0	0.0	7.8	174.2	706.4			
DEC/DÉC	0.0	0.0	0.0	0.0	0.0	394.0	952.0			
YEAR ANNÉE	0.0	98.1	772.0	1519.7	2490.5	1706.4	5884.0			