

Month: AUGUST Year: 1993

	CURRENT		NORMAL	
	VALUE	DATE	VALUE	DATE
Mean Maximum	22.9		24.9	
Mean Minimum	12.8		11.7	
Mean	17.9		18.3	
Extreme Maximum and Date	30.7	10	40.6	11/1936
Extreme Minimum and Date	5.6	31	-1.1	3/1972
Rainfall (mm)	190.8		75.3	
Snowfall (cm)	0.0		0.0	
Total Precipitation (mm)	190.8		75.3	
Days With Thunder	6		6	
Days With Measurable Precipitation	19		11	
Sunshine Hours	234.2		285.9	
Wind (km/h)	14.3		15	
Heating Degree Days Below 18 C	40.9		45.7	
Growing Degree Days Above 5 C	398.2		413.6	
Heating Degree Days Below 0 C	0.0		0.0	
Cooling Degree Days Above 18 C	36.1		56.4	

Highlights of the Month

Rain...rain...and more rain. The second wettest August on record was preceeded by the second wettest July. The June, July and August totals of 78.8, 193.4 and 190.8 mm combine to make the summer of 1993 the wettest since precipitation records began in 1872. Needless to say, that amount of precipitation caused considerable trouble for residents of Winnipeg. Significant heavy rainfall was tallied for the 2nd and 3rd times this summer on August 8th on 14th as 72.2 and 59.0 mm respectively flooded streets, fields and basements. Rivers and streams rose to near or above flood stage. The Red River flooded the Forks walkways, while Sturgeon Creek rose to flow over some of Winnipeg's streets.

Maximum temperatures were an the cool side but minimum temperatures were above normal. Sunshine, not surprisingly, was a scarce commodity this month. We tallied 50 hours of sunshine less than normal this month: When added to a deficit of 100 hours in July and 50 hours in June, the departure from normal becomes 203.3 hours. Their was only one summer this century with less sunshine than the summer of 1993. that was in the summer of 1912 when a mere 619.0 hours of sunshine broke through the cloudy skies.

DEU POINT SUMMARY
 SUMMAIRE DES TEMPERATURES DE ROSEE

WINNIPEG INT'L AIRPORT

AUGUST 1993
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HOUR->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
D	85	77	79	83	86	89	95	100	107	110	114	120	113	119	137	131	125	126	115	120	116	121	118	112	108
A	118	94	98	110	105	104	104	112	123	120	102	121	127	126	129	110	109	116	112	117	122	126	128	115	115
T	116	111	105	100	86	74	80	93	100	103	99	105	112	94	120	127	113	106	103	97	102	99	102	102	
E	96	97	104	102	103	99	98	98	100	110	120	128	129	132	132	137	146	144	142	139	138	139	134	124	120
	115	108	95	92	82	91	89	103	120	121	125	127	123	122	126	117	108	106	95	105	112	109	105	100	108
	100	88	93	86	86	81	88	107	132	128	122	108	108	110	101	103	111	106	109	115	113	117	120	110	106
	107	105	103	101	99	96	98	104	124	142	142	140	129	134	116	114	118	115	115	128	131	131	129	126	118
	128	129	129	131	131	132	134	142	149	165	168	176	178	184	182	191	189	195	194	167	173	172	167	165	161
	167	165	164	164	160	158	158	158	160	165	164	166	166	166	156	166	171	167	170	174	169	170	161	171	165
	167	165	163	156	158	155	160	176	182	187	192	186	178	166	179	177	181	188	195	197	208	202	198	198	180
	197	196	193	192	191	189	189	191	185	177	173	178	164	182	174	185	198	174	168	160	168	180	182	170	182
	173	174	154	151	145	130	126	120	125	113	126	104	103	107	95	107	106	100	100	103	96	90	94	93	118
	93	92	88	86	88	81	80	95	106	107	91	89	100	97	95	103	101	101	98	103	111	115	115	118	98
	116	117	119	119	120	124	127	132	145	149	153	159	161	165	165	164	173	171	173	176	175	167	160	158	150
	166	161	155	150	150	147	153	152	150	147	143	142	143	142	147	147	143	143	143	149	146	143	139	139	148
	136	131	118	125	121	113	111	128	136	144	134	132	118	119	123	130	136	127	136	119	124	132	126	136	127
	141	137	136	130	131	133	136	139	142	147	142	148	145	148	162	168	176	190	197	196	197	193	192	193	159
	173	134	132	120	112	109	107	110	120	119	129	139	144	142	135	130	142	159	158	158	156	155	152	147	137
	144	146	140	143	135	135	129	134	137	148	156	161	168	176	173	160	164	161	161	156	151	146	145	141	150
	122	126	125	123	113	115	109	133	139	145	153	137	135	132	123	114	106	112	116	122	116	110	110	109	123
	109	111	126	126	128	127	127	135	146	160	164	170	163	162	161	167	173	176	174	177	183	183	179	177	154
	175	174	173	172	172	173	173	173	176	180	183	187	191	196	193	185	176	177	186	185	184	184	183	182	181
	181	180	178	178	179	175	175	175	175	181	186	189	187	197	192	185	192	180	177	176	175	173	172	172	180
	166	161	159	157	153	150	148	154	152	158	150	129	115	118	101	102	99	101	123	126	122	121	129	122	134
	121	118	117	128	128	127	144	134	129	119	130	139	148	141	138	126	119	99	124	124	133	143	137	151	130
	145	150	144	137	127	128	123	123	138	135	135	153	138	155	149	161	167	162	128	134	131	131	112	113	139
	120	112	109	116	118	123	124	128	133	129	128	130	132	141	124	131	116	110	110	110	112	117	112	112	121
	110	97	104	104	105	108	109	109	111	116	132	120	132	128	134	152	150	148	145	139	141	135	123	125	125
	121	115	110	105	96	100	97	107	124	125	117	122	123	122	119	131	140	139	138	137	139	134	131	130	122
	125	122	118	113	113	102	99	99	99	99	87	109	98	88	75	86	98	105	110	100	86	82	78	79	99
	75	68	56	50	46	42	39	44	60	70	69	68	73	84	93	102	88	87	79	80	75	78	79	100	71
MEAN	133	128	125	124	122	120	120	126	133	136	136	138	137	138	137	139	140	138	140	138	139	139	136	136	133
MOYENNE																									

*TEMPERATURES IN TENTHS OF DEGREES CELSIUS
 *TEMPERATURES EN DIXIEME DEGRES CELSIUS

COMPARATIVE RECORDS AT RELEVÉS COMPARATIFS À		WINNIPEG INT'L AIRPORT				MONTH MOIS			AUGUST			93	
Temperature Température Précipitation Précipitation Rainfall/Hauteur de pluie Snowfall/Hauteur de neige Wind speed/Vitesse du vent Station pressure/Pression à la station		THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						
		VALUE RELEVÉ	DAY JOUR	VALUE RELEVÉ	DAY JOUR		HIGHEST EVER MAXIMUM ABSOLU			LOWEST EVER MINIMUM ABSOLU			
						VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE		
HIGHEST TEMPERATURE (MAXIMUM) TEMPÉRATURE MAXIMALE		30.7	10	30.1	8		40.6	7	1949			12	
LOWEST TEMPERATURE (MINIMUM) TEMPÉRATURE MINIMALE		5.6	31	3.8	26				-1.1	0	1910	121	
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		17.9		16.4		18.3	22.5	1983	14.4		1977	121	
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		190.8		78.4		75.3	218.0	1985	3.3		1915	121	
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		0.0		0.0		0.0	0.0	SVRL	0.0		SVRL	121	
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		190.8		78.4		75.3	218.0	1985	3.3		1915	121	
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		19		13		11	20	1977	1		1915	121	
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		72.2	8	26.6	29		84.6	12	1884			121	
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		0.0	0	0.0	0		0.0	0	SVRL			121	
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		72.2	8	26.6	29		84.6	12	1884			121	
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES		6.2	8	8.7	16		10.9	5	1981			40	
10 MINUTES		12.4	8	10.2	16		19.1	1	1979			40	
15 MINUTES		18.5	8	11.0	16		25.4	1	1979			40	
30 MINUTES		28.9	8	12.0	16		36.3	15	1972			40	
60 MINUTES		41.4	8	12.0	16		39.3	1	1979			40	
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		72.2	8	26.6	29		98.1	6	1985			121	
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		14.3		15.4		15.0	22.0	1964	12.6		1972	72	
MAXIMUM SPEED (2 min. mean) (km/h) VITESSE MAXIMALE (moyenne sur 2 min.) (km/h)		SE 56	17	NW 46	16		N 77	30	1944			54	
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		SSE 93	17	NW 78	16		NW122	18	1973			46	
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		234.2		252.7		285.9	350.8	1967	160.5		1912	111	
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.51		98.79		98.48	98.91	1957	98.14		1969	54	
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		99.56	20	99.84	12		00.17	23	1987			54	
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		97.07	23	97.04	30				95.82	4	1980	54	
CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST DONNÉES CLIMATOLOGIQUES CE MOIS-CI POUR LES										YEARS DERNIÈRE ANNÉES			
YEAR ANNÉE	MAXIMUM TEMP MAXIMALE	MINIMUM TEMP MINIMALE	MEAN TEMP TEMP MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP TOTALE	MEAN WIND SPEED VITESSE MOYENNE DES VENTS	MAXIMUM WIND SPEED VITESSE MAXIMALE DES VENTS	SUNSHINE HEURES INSOLATION	HEATING DEGREES-DAYS DE CHAUFFE	CROWING DEGREES-DAYS DE CROISSANCE	COOLING DEGREES-DAYS DE REFRIGERATION	RAINFALL APRIL 1
1984	36.5	5.9	21.0	21.6	0.0	21.6	13.4	SSE 41	312.1	19.5	496.2	0.0	360.5
1985	30.0	4.2	16.3	218.0	0.0	218.0	13.9	N 46	193.3	79.1	349.6	0.0	390.8
1986	32.6	3.2	17.5	17.0	0.0	17.0	13.8	SSE 39	314.3	53.6	387.1	0.0	305.7
1987	31.3	2.8	17.2	97.1	0.0	97.1	13.7	S 46	263.0	52.7	380.1	29.8	314.8
1988	38.7	7.5	20.1	8.5	0.0	8.5	14.6	NW 44	256.9	17.4	470.0	84.4	204.5
1989	38.7	5.1	19.5	76.6	0.0	76.6	15.1	SSE 37	258.6	37.9	450.6	85.5	295.0
1990	33.2	4.4	20.0	16.9	0.0	16.9	14.8	NNE 41	334.5	16.5	465.5	79.0	236.1
1991	37.1	6.9	20.9	6.2	0.0	6.2	16.0	S 61	321.9	12.6	493.7	103.3	281.3
1992	30.1	3.8	16.4	78.4	0.0	78.4	15.4	NW 46	252.7	70.3	351.9	19.2	293.5
1993	30.7	5.6	17.9	190.8	0.0	190.8	14.3	SE 56	234.2	40.9	398.2	36.1	522.0

Note/Aviz 1. Climatological Day/Jourées climatologique 00 01 C.S.T. - 23 00 C.S.T.

2. Normal/Normale 1961-1990

3. Extremes for period of record/Extrêmes pour la période de registre

4. Maximum rainfall recorded in: may overlap calendar days/hauteur de plus maximale enregistrée en: peut-être pour plus d'une journée ou calendrier

5. ** indicates most recent occurrence/indique le plus récent

6. * indicates first of more than one occurrence/indique le premier de plusieurs