

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF SEPTEMBER 1983

LOCAL STANDARD TIME

ALL TEMPERATURES IN DEGREES CELSIUS

DATE	00.	01.	02.	03.	04.	05.	06.	07.	08.	09.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
1.	25.5	25.2	25.1	22.5	23.2	21.5	19.3	20.7	23.8	26.4	29.2	30.6	30.8	31.2	31.5	31.8	31.3	30.8	29.2	24.8	23.0	20.9	20.6	20.8
2.	21.1	20.6	21.6	21.1	20.8	21.2	20.8	20.8	22.5	26.5	28.5	30.7	32.5	35.2	35.5	37.5	37.0	36.0	29.5	26.5	26.1	23.7	21.0	21.8
3.	20.2	19.6	18.8	18.0	17.6	17.4	16.4	17.4	19.2	21.4	23.0	24.6	25.2	25.6	26.1	26.4	26.8	26.6	24.0	20.7	18.7	17.5	17.1	17.1
4.	16.5	15.7	15.7	14.5	15.6	13.1	11.2	13.5	16.2	20.5	23.4	24.6	25.5	24.6	26.0	26.8	27.0	26.1	25.6	21.1	17.1	15.7	13.1	15.4
5.	12.4	11.2	11.6	10.5	10.2	11.8	13.0	14.9	16.1	17.9	19.1	20.1	17.1	17.7	19.2	17.9	17.3	16.4	15.7	15.3	15.4	15.0	13.5	12.8
6.	12.0	11.7	12.1	10.5	10.3	10.1	10.2	10.6	12.0	13.2	14.2	14.8	14.9	15.0	15.8	15.0	15.7	16.1	15.6	15.0	15.0	15.0	11.6	10.8
7.	10.2	10.0	8.8	9.0	8.4	6.8	7.3	8.3	10.8	14.3	17.8	18.4	21.5	22.7	23.5	22.4	23.0	23.6	22.7	20.7	19.4	19.0	17.7	18.0
8.	17.5	16.3	16.0	16.0	14.9	15.8	13.8	13.6	15.5	15.7	16.8	18.0	18.5	16.9	15.8	15.0	14.3	14.2	14.3	13.8	12.9	11.3	10.3	10.0
9.	9.0	9.5	9.2	8.0	7.0	5.8	6.4	9.0	11.4	13.4	16.3	17.0	17.0	18.8	19.2	19.2	19.2	19.2	19.0	18.8	18.7	17.4	16.6	17.8
10	16.8	14.8	14.0	13.7	13.7	12.7	10.5	11.0	11.4	11.8	13.0	13.3	14.4	14.2	14.0	14.2	14.2	14.2	14.0	13.5	12.9	12.6	10.7	10.8
11	9.1	9.4	7.7	7.3	6.5	6.2	5.7	7.0	8.2	9.4	11.6	13.0	13.6	9.8	13.1	14.2	13.7	14.5	12.8	11.4	8.4	7.7	7.7	7.3
12	5.6	4.5	3.2	3.5	3.8	2.9	2.9	4.4	7.2	10.8	12.2	13.8	13.7	15.2	15.8	16.2	16.1	15.9	13.4	11.5	8.4	7.2	6.9	6.8
13	8.2	6.4	5.4	7.7	6.8	7.6	7.6	8.5	8.6	10.7	12.7	13.4	14.0	14.2	14.5	15.5	12.3	13.7	12.8	10.0	7.5	6.3	4.6	3.9
14	4.3	3.7	2.5	2.3	1.7	.6	1.5	2.8	7.3	10.5	12.2	13.6	14.6	15.5	15.7	16.4	17.6	16.3	14.1	14.4	14.0	13.6	13.2	11.2
15	10.6	10.7	10.6	10.6	10.5	10.3	10.1	10.0	10.4	10.7	11.3	11.9	12.1	12.9	13.1	13.1	13.1	13.0	12.6	12.1	12.0	11.6	11.6	11.4
16	11.1	10.4	10.2	10.0	9.5	9.9	9.8	10.2	10.7	11.6	12.2	13.2	13.8	12.9	13.1	13.2	12.9	12.9	12.8	12.0	12.1	11.8	10.7	11.1
17	10.8	10.6	10.5	10.4	10.1	10.6	10.8	11.0	11.5	12.7	13.2	14.0	14.6	16.0	16.3	16.2	16.2	15.4	14.8	14.0	12.9	11.5	11.0	10.3
18	9.6	9.2	8.8	8.8	9.0	9.1	9.4	9.5	10.0	10.6	11.0	11.5	11.5	12.6	11.4	12.3	12.8	12.0	10.2	8.8	8.1	7.1	6.9	6.9
19	6.1	4.9	5.1	4.9	3.6	3.2	3.7	4.1	5.3	6.1	7.0	8.3	9.6	9.2	9.1	9.8	9.4	9.2	9.1	7.5	7.1	7.0	6.1	5.9
20	5.9	5.9	5.0	4.9	5.1	5.1	4.9	5.0	5.8	6.1	6.3	6.4	6.6	8.0	8.3	7.0	6.6	6.6	6.2	6.2	4.9	5.1	4.1	3.5
21	3.1	3.4	3.6	3.5	2.8	3.0	3.0	3.9	4.7	6.0	6.6	7.6	7.3	8.0	7.4	7.7	6.9	6.8	5.7	5.0	3.8	2.8	3.6	1.8
22	.8	1.0	1.6	1.7	1.4	.4	-.1	-.3	1.8	4.5	5.6	5.5	6.2	6.7	7.0	6.9	7.7	7.3	6.4	2.0	1.2	1.6	.6	-.2
23	1.2	.8	0.0	.2	.2	.4	-.2	-.7	3.5	7.6	11.4	14.8	16.8	17.1	17.7	18.1	17.7	17.0	16.1	11.6	12.2	11.4	10.8	9.5
24	9.2	8.6	8.0	7.5	7.0	7.4	6.4	6.3	7.7	10.8	13.8	17.3	19.3	22.3	23.0	22.8	21.8	19.6	18.6	13.8	14.6	13.4	12.5	13.4
25	12.1	11.5	11.2	11.3	10.3	10.9	9.0	8.6	11.2	15.0	18.2	20.2	21.0	22.0	23.2	23.0	23.2	21.2	17.0	14.9	13.7	10.8	9.3	8.2
26	9.1	7.7	8.2	7.9	6.1	5.8	7.3	7.6	11.0	15.0	20.2	23.0	25.0	25.3	25.8	26.0	25.7	25.0	22.0	19.1	18.6	18.3	17.0	16.6
27	16.2	15.3	14.3	14.4	14.3	13.8	14.2	14.1	14.7	17.9	19.8	23.8	25.5	27.4	27.8	27.0	26.9	24.6	25.1	25.1	24.7	24.7	25.1	23.4
28	23.2	18.5	19.9	19.6	18.4	17.5	13.1	12.2	12.4	12.7	12.1	11.3	10.7	11.0	10.4	11.7	9.9	9.6	8.7	6.8	7.2	6.7	6.9	6.3
29	5.9	5.4	5.0	4.5	2.1	.1	-.1	.9	2.8	5.3	5.9	6.7	7.4	7.4	7.3	7.1	7.0	6.5	5.9	5.2	5.6	5.6	4.9	4.9
30	4.5	3.8	3.0	2.8	3.5	3.6	4.0	4.0	4.5	5.6	5.9	6.1	6.3	6.6	6.7	6.4	6.4	6.3	6.3	6.2	6.2	6.2	6.2	6.5

MEAN	10.9	10.2	9.9	9.6	9.1	8.8	8.4	9.0	10.6	12.7	14.3	15.6	16.2	16.7	17.1	17.2	17.0	16.6	15.4	13.7	12.8	12.0	11.1	10.8
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MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAN	25.8	26.6	21.4	19.4	15.1	13.2	16.0	14.9	14.3	13.2	9.8	9.2	9.7	10.0	11.5	11.6

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MEAN	12.7	9.8	6.7	5.8	4.9	3.2	9.0	13.5	14.9	16.4	20.8	12.4	5.0	5.1

COMPARATIVE RECORDS
RELEVÉS COMPARATIFS

MONTH
MOIS SEPTEMBER/SEPTEMBRE

19 83

Temperature/Température Precipitation/Precipitation Rainfall/Hauteur de pluie Snowfall/Hauteur de neige Wind speed/Vitesse du vent Station pressure/Pression à la station	°Celsius		Millimetres (mm)		Centimetres (cm)		Kilometres/par heure (km/h)		Kilopascals (kPa)		RECORD FOR THE MONTH RECORD POUR LE MOIS						YEARS OF RECORD ANNÉES D'OBSERVATIONS
	THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU							
	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE					
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE	38.8	2	34.5	9	29.2	37.2	1	1929	21.7	1	1884	112					
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE	-1.2	22	-3.3	15	-2.5	2.8	20, 27, 28	1906	-8.3	29	1899	112					
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	12.9		12.2		12.4	16.8		1948	8.0		1965	112					
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE	52.8		58.2		53.0	149.6		1941	1.3		1948	112					
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	TR.				0.2	18.3		1872	NIL	SEVERAL		112					
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	52.8		58.2		53.3	156.2		1872	1.3		1948	112					
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE	13		9		11	17		1941 1953	3		1897 1948	100 112					
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	24.0	30	22.6	27		81.5	6	1886				112					
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	TR.	30				18.3	25	1872				112					
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	24.0	30	22.6	27		81.5	6	1886				112					
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:																	
5 MINUTES	2.7	30	2.8	28		12.4	20	1970				25					
10 MINUTES	3.4	30	3.9	28		23.4	20	1970				25					
15 MINUTES	3.9	30	4.4	28		29.7	20	1970				25					
30 MINUTES	4.4	30	8.1	28		44.2	20	1970				25					
60 MINUTES	7.3	30	8.6	28		47.8	20	1970				25					
24 CONSECUTIVE HOURS HEURES CONSECUTIVES	24.2	29/30	27.2	27 28		81.5	6	1886				112					
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)	16.9		19.8		18.5	24.6		1943	13.2		1925	63					
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)	W/52	18	NW61	11	56	N72	23	1942				45					
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)	W/74	18	WNW87	11	79	S105	16	1946				39					
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION	161.6		201.1		184.6	251.9		1940	113.0		1912	88					
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)	984.2		98.62		98.51	98.87		1940	98.25		1970	45					
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)	1001.7	29	1007.4	14	100.07	101.11	25	1940				45					
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)	966.9	5	96.52	28	96.68				95.64	26	1959	45					

CLIMATOLOGICAL DATA FOR THE PAST
DONNÉES CLIMATOLOGIQUES POUR LES

TEX (DIX)

YEARS
DERNIÈRE ANNÉES

YEAR ANNÉE	MAXIMUM TEMP. MAXIMALE	MINIMUM TEMP. MINIMALE	MEAN TEMP. MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP. TOTALE	MEAN WINDSPEED VITESSE MOYENNE DES VENTS	MAXIMUM WINDSPEED VITESSE MAXIMALE DES VENTS	HOURS SUNSHINE HEURES INSOLATION	HEATING DEGREE-DAYS DEGRES-JOURS DE CHAUFFE	GROWING DEGREE DAYS DEGRES-JOURS DE CROISSANCE
1974	28.8	-4.4	9.8	42.9	2.8	46.0	16.3	NNW58	166.6	240.0	159.4
1975	27.2	-2.2	10.9	41.8	TR.	41.8	18.7	NNW51	180.3	213.4	180.5
1976	34.5	-3.6	13.3	9.9		9.9	18.5	NW 54	227.5	159.8	251.3
1977	25.4	0.1	12.4	148.2		148.2	16.1	NNW52	136.3	170.5	220.5
1978	36.2	1.8	14.6	82.6		82.6	17.8	E54 S54	202.4	132.1	288.7
1979	32.8	1.3	13.0	24.9		24.9	17.6	WNW52	189.9	158.0	239.7
1980	33.3	-4.3	11.2	85.6		85.6	18.6	NW52	171.7	210.2	194.6
1981	29.5	-2.7	12.4	72.1	0.4	72.5	17.3	NW63	210.6	172.9	228.8
1982	34.5	-3.3	12.2	58.2		58.2	19.8	NW61	201.1	193.6	216.5
1983	38.8	-1.2	12.9	52.8	TR.	52.8	16.9	W52	161.6	180.6	239.4

24hr.rain and precipitation 27.2 SEPT.27-28/82