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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS JULY / JUILLET

AUG 31 1979

1979

AT/A WINNIPEG INT'L AIRPORT / AEROPORT INTERN. DE WINNIPEG

LAT: 49° 54'N		LONG: 97° 14'W		ELEVATION: 239.6 METRES (ASL) ALTITUDE: 239.6 MÈTRES (NMM)		STANDARD TIME USED: HEURE NORMALE UTILISÉE:		CENTRAL STANDARD												
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS		REL. HUMIDITY HUMIDITÉ REL.		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE HEURES				
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. PRÉCIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION					
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	%	%		mm	cm	mm	cm	km/h		km/h	HOURS HEURES				
1	27.2	16.7	22.0	0.0	17.0	79	39						22.6	SSE	SE	28	6.0			
2	26.3	18.3	22.3	0.0	17.3	75	55		Tr.		Tr.		22.5	SSE	SE	31*	11.6			
3	26.4	15.3	20.9	0.0	15.9	85	35						16.8	ESE	ESE	31	5.3			
4	28.9	14.1	21.5	0.0	16.5	78	37						12.8	E	E	20	12.8			
5	28.0	15.5	21.8	0.0	16.8	81	41						11.7	SSE	S	17*	12.0			
6	28.0	16.0	22.0	0.0	17.0	92	45						19.0	S	S	31	14.1			
7	24.7	14.2	19.3	0.0	14.3	88	49						21.3	S	S	33	7.6			
8	30.3	18.0	24.2	0.0	19.2	91	55						14.5	S	S	20	12.1			
9	32.7	18.2	25.5	0.0	20.5	88	31						13.5	NNW	NNW	26	14.3			
10	32.5	16.1	24.3	0.0	19.3	77	33		Tr.		Tr.		10.5	NW	NW	19	15.1			
11	32.2	18.4	25.3	0.0	20.3	84	41		Tr.		Tr.		15.6	S	S	28	10.6			
12	31.7	20.5	26.1	0.0	21.1	93	27						8.8	S	N	33*	6.0			
13	27.7	16.4	22.1	0.0	17.1	93	40	1	1.3		1.3		11.8	W	SW	37	5.6			
14	24.6	13.8	19.2	0.0	14.2	96	50	1	7.4		7.4		25.0	WNW	WNW	50	9.3			
15	20.8	10.2	15.5	2.5	10.5	94	49		0.3		0.3		19.4	N	N	33	10.0			
16	24.5	7.0	15.8	2.2	10.8	97	43						6.0	NW	NW	15	14.8			
17	28.2	12.2	20.2	0.0	15.2	76	32						14.7	W	W	24	14.1			
18	29.5	16.2	22.9	0.0	17.9	89	39	1	Tr.		Tr.		15.5	W	NW	26	7.7			
19	28.4	16.7	22.6	0.0	17.6	91	37	1	0.9		0.9		6.5	C	NNW	15	13.3			
20	32.5	16.5	24.5	0.0	19.5	88	40						16.3	SW	SW	24	14.3			
21	28.5	15.9	22.2	0.0	17.2	87	53						19.1	NE	NE	33	13.6			
22	30.2	10.5	20.4	0.0	15.4	93	52						17.9	S	S	30	13.1			
23	25.6	16.3	21.0	0.0	16.0	95	47	1	10.4		10.4		13.8	NNE	S	26	4.9			
24	27.1	13.9	20.5	0.0	15.5	96	50		Tr.		Tr.		8.5	W	WNW	20	10.9			
25	22.9	9.8	16.4	1.6	11.4	94	54		2.2		2.2		15.5	NNE	NNE	28	9.3			
26	22.6	8.2	15.4	2.6	10.4	90	39						8.8	N	N	19	12.8			
27	26.0	11.4	18.7	0.0	13.7	83	33						11.0	W	SW	19	14.3			
28	29.9	14.7	22.3	0.0	17.3	90	32						18.1	W	WNW	22	14.5			
29	26.7	15.2	21.0	0.0	16.0	94	58	1	0.6		0.6		13.2	NNE	NNE	24	3.0			
30	21.8	10.8	16.3	1.7	11.3	87	40		Tr.		Tr.		23.4	NNE	NE	37	6.2			
31	25.0	7.3	16.2	1.8	11.2	95	38						7.7	W	W	17	14.6			
MEAN MOYENNE	27.5	14.3	20.9	TOTAL 12.4	TOTAL 493.4	88	42	TOTAL 6	TOTAL 23.1	TOTAL 23.1	TOTAL 14.9	TOTAL 14.9	PREVAILING DOMINANTE S	MAXIMUM WNW50	TOTAL 333.8					
NORMAL NORMALE	25.9	13.5	19.7	20.9	456.9			6.5	80.3	80.3	16.3	16.3	S	52	310.8					
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS											DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES:					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE DE NEIGE:				
BELOW 18°C AU-DESSOUS DE 18°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 5°C AU-DESSUS DE 5°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	mm					cm							
								0.2 OR MORE OU PLUS	1.0 OR MORE OU PLUS	2.0 OR MORE OU PLUS	10.0 OR MORE OU PLUS	50.0 OR MORE OU PLUS	0.2 OR MORE OU PLUS	1.0 OR MORE OU PLUS	2.0 OR MORE OU PLUS	10.0 OR MORE OU PLUS	50.0 OR MORE OU PLUS			
TOTAL FOR MONTH TOTAL DU MOIS	12.4	30.5	20.9	TOTAL FOR MONTH TOTAL DU MOIS	493.4	430.1	456.9	7	4	3	1	0	0	0	0	0				
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{ER} JUILLET	12.4	30.5	20.9	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{ER} AVRIL	945.1	1106.3	1039.0	7	4	3	1	0	0	0	0	0				

UDC 651.606.1 (

) *July 11 - funnel clouds - Pine Falls
Tornado at The Pas.

Subscription Price: \$1.00 monthly; \$10.00 per calendar year (January to December)
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*Indicates more than one occurrence of same speed but not necessarily the same direction.

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS		JULY / JUILLET		19 79							
Temperature/Température Precipitation/Précipitation Rainfall/Hauteur de pluie Snowfall/Hauteur de neige Wind speed/Vitesse du vent Station pressure/Pression à la station	°Celsius - Millimetres (mm) - Millimetres (mm) - Centimetres (cm) - Kilometres/par hour (km/h) - Kilopascals	THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						YEARS OF RECORD ANNÉES D'OBSERVATIONS
		VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU			
						VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE		
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		32.7	9	30.4	25	33.9	42.2	11 1936 27, 1943	26.1	22, 24	1884	108	
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		7.0	16	5.8	27	6.1	11.7	30 1935	1.1	3	1972	108	
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		20.9		18.9		19.7	24.2	1936	15.4		1884	108	
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		23.1		60.6		80.3	197.4	1953	13.5		1875	108	
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE													
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		23.1		60.6		80.3	197.4	1953 1912	13.5		1875	108	
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		7		14		11	18	1938	5		1939	96	
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		10.4	23	13.0	4		133.6	12 1914				108	
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE												108	
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		10.4	23	13.0	4		133.6	12 1914				108	
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES		2.1	23	2.1	4		17.8	16 1968				21	
10 MINUTES		3.1	23	3.4	4		24.6	16 1968				21	
15 MINUTES		4.5	23	3.9	4		35.3	16 1968				21	
30 MINUTES		4.7	23	4.8	4		39.4	16 1968				21	
60 MINUTES		5.4	23	8.1	22		39.4	16 1968				21	
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		10.4	23	14.0	4-5		133.6	12 1914				108	
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		14.9		14.1		16.3	20.9	1952	10.9		1972	59	
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		WNW50	14	W59	4	52	NW 68	10 1946				41	
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		NW 81	14	NNE80	13	86	SSW127	14 1959				35	
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		333.8		305.9		310.8	367.7	1974	178.3		1912	80	
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.57		98.32		98.47	98.70	1956	98.20		1975	41	
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		100.02	16	99.43	10	99.55	100.04	4 1972				41	
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		97.56	14	96.99	12	97.14			96.28	1	1968	41	
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES												TEN / DIX (10)	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 DEGRÉS-JOURS DE CHAUFFE	GROWING DEGREE-DAYS DEGRÉS-JOURS DE CROISSANCE		
1970	33.9	7.8	20.5	69.6		69.6	17.2	NW 48	318.7	13.9	483.9		
1971	30.6	4.4	16.4	115.1		115.1	16.3	NW 55	309.8	60.0	357.2		
1972	32.2	1.1	17.1	60.2		60.2	10.9	W 35	301.5	50.6	380.0		
1973	29.4	6.1	18.3	122.9		122.9	15.1	WSW56	313.8	23.9	417.2		
1974	33.3	8.3	21.9	32.0		32.0	16.6	NW 48	367.7	4.4	527.2		
1975	35.5	7.0	21.5	58.2		58.2	15.0	S 47	357.8	12.0	510.6		
1976	31.5	6.1	19.7	36.9		36.9	16.9	NNW46	348.4	15.7	454.8		
1977	31.6	8.3	19.4	85.3		85.3	16.1	ESE46	340.5	11.1	445.3		
1978	30.4	5.8	18.9	60.6		60.6	14.1	W 59	305.9	30.5	430.1		
1979	32.7	7.0	20.9	23.1		23.1	14.9	WNW50	333.8	12.4	493.4		

July was the first month since September, 1978 that the mean temperature was above normal. The mean of 20.9 exceeded the normal by 1.2 degrees. This ended nine consecutive months of below normal temperatures.

Precipitation was very light. Only 23.1 mm fell during July which was 29% of the normal amount. There were 7 days with measurable precipitation compared to the usual 11.

There was one less thunderstorm than the usual seven for July. The sun shone 23 hours more than usual and the average wind of 14.9 km/h was lighter than the normal 16.3 km/h.

DAILY WEATHER SUMMARY FOR JULY 1979

AT WINNIPEG, MANITOBA

1. Above normal temperatures. Partly cloudy. Moderate winds.
2. Above normal temperatures. Cloudy clearing late morning. Moderate winds. Showers 4:50 a.m. to 5:15 a.m. Lightning in the morning. Gusty SSE winds in the afternoon.
3. Above normal temperatures. Cloudy clearing in the afternoon. Mostly light winds but occasional ESE gusts.
4. Mostly clear with a few clouds in the morning, light winds and above normal temperatures.
5. A few clouds in the afternoon, otherwise mostly sunny. Light winds. Continuing temperatures above normal.
6. A few clouds. Above normal temperatures. Gusty winds in the afternoon.
7. Clear in the morning, cloudy in the afternoon with gusty winds and above normal temperatures.
8. Above normal temperatures. Mostly sunny. Mostly light winds. Haze in the morning. Visibility restricted.
9. Warm. Mostly sunny. Mostly light winds. Lightning in the morning.
10. Above normal temperatures. Mostly sunny. Showers 5:18 p.m. to 5:22 p.m. Light winds.
11. Funnel clouds reported near Pine Falls. Tornado at The Pas left property damage. Above normal temperatures. Mostly sunny. Showers 12:58 p.m. to 1:08 p.m. Heavy precipitation north of the city. Mostly light winds. Lightning in morning.
12. Warm. Partly cloudy. Light winds. Lightning late evening.
13. Above normal temperatures. Partly cloudy. Thunder 00:16 a.m. to 1:08 a.m. Showers 00:27 a.m. to 7:08 a.m., 8:25 p.m. to 9:12 p.m. Mostly light winds but WSW gusts late evening to 76 kms.
14. Near normal temperatures. Partly cloudy. Thunder 8:17 p.m. to 8:31 p.m. Showers 4:57 p.m. continued. Moderate winds. Gusty NW winds in the afternoon to 81 kms.
15. Below normal temperatures. Mostly sunny. Showers to 3:50 a.m. Mostly light winds but occasional north gusts in the morning.
16. Below normal temperatures. Mostly sunny. Mostly light winds.
17. Near normal temperatures. Mostly sunny. Mostly light winds.
18. Above normal temperatures. Partly cloudy. Thunder 10:15 a.m. to 12:17 p.m. Showers 9:12 a.m. to 12:17 p.m. Mostly light winds.
19. Above normal temperatures. Mostly sunny. Thunder 00:51 a.m. to 3:15 a.m. Showers 00:47 a.m. to 2:36 a.m. Light winds.
20. Above normal temperatures. Mostly sunny. Mostly light winds. Lightning late evening.
21. Above normal temperatures. Mostly sunny. Mostly light winds, but gusty northeast winds in the afternoon and early evening.
22. Near normal temperatures. Mostly sunny. Mostly light winds but gusty south winds in the afternoon, and lightning late evening.
23. Above normal temperatures. Cloudy clearing in afternoon. Thunder 4:07 a.m. to 6:45 a.m. Showers 4:30 a.m. to 10:25 a.m., 3:54 p.m. to 4:09 p.m. Mostly light winds but gusty WNW wind in morning.
24. Normal temperatures. Partly cloudy. Showers 7:31 p.m. to 11:40 p.m. Mostly light winds.
25. Mostly cloudy with overnight showers. Near normal temperatures. Brisk winds.
26. Sunny with near normal temperatures. Light winds.
27. Mostly clear overnight. A few afternoon clouds. Light winds and temperatures reaching normal values.
28. Sunny. Temperatures above normal. Moderate winds.
29. Clear overnight. Cloudy during the day with showers beginning in the evening. Winds were light and temperatures near normal. Total precipitation of 0.6 mm from a thunderstorm. Precipitation ended by midnight.
30. Cloudy with brisk gusty winds. Light showers giving a trace of precipitation. Temperatures below normal.
31. Sunny with below normal temperatures. Light winds.

HOURLY WETBULB TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JULY 1979 PAGE 5 YW

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.	14.7	14.5	14.3	14.3	14.4	14.5	15.0	15.0	17.0	17.5	18.3	18.5	18.3	16.9	18.0	17.4	18.3	18.1	18.1	18.5	17.8	17.3	16.8	16.4
2.	15.3	15.8	15.7	15.6	15.6	15.6	15.6	15.8	17.2	17.9	18.6	19.3	18.8	19.1	19.3	19.5	19.0	18.8	19.0	18.0	17.5	16.6	16.0	15.6
3.	15.5	15.5	15.2	15.0	15.0	15.0	14.8	15.0	16.7	17.5	17.4	15.7	16.5	15.9	16.0	16.4	16.9	17.0	15.8	16.3	16.3	16.0	14.0	13.4
4.	13.5	12.5	12.4	11.8	12.3	12.2	12.1	13.6	14.9	16.4	18.4	18.8	17.7	18.5	18.4	18.4	17.8	17.2	18.1	17.9	17.0	16.4	14.9	15.4
5.	15.3	15.3	14.5	13.8	13.8	13.2	13.8	15.2	15.9	17.1	17.5	17.7	17.5	18.5	18.5	18.4	18.0	17.4	17.5	16.9	15.8	15.0	14.1	14.6
6.	14.2	16.3	16.3	16.0	16.2	16.2	16.2	16.7	17.8	18.5	19.1	19.6	19.1	19.0	18.9	18.7	18.8	18.5	18.5	18.0	17.5	16.9	16.3	15.8
7.	15.8	15.8	15.4	14.5	13.5	13.2	13.5	14.2	15.4	16.1	16.4	15.9	16.5	16.7	16.8	16.7	16.5	16.6	16.5	16.5	16.6	16.9	17.0	17.0
8.	17.0	17.0	17.0	17.0	17.0	17.1	17.1	17.8	18.2	18.6	18.9	19.7	20.2	21.4	21.3	22.4	22.6	22.4	22.7	23.0	23.0	22.0	21.5	21.5
9.	21.2	20.0	19.6	19.3	18.8	18.0	18.5	18.8	19.4	20.0	21.1	20.3	22.0	22.0	22.5	19.5	20.5	20.6	21.2	20.2	19.4	17.7	15.6	15.0
10	14.9	15.0	14.3	13.9	14.0	13.7	15.4	17.1	17.9	18.8	20.2	20.0	19.1	20.1	20.0	20.2	20.3	19.8	20.3	19.5	19.0	17.6	17.3	17.0
11	16.6	16.4	16.6	16.3	16.3	16.2	17.1	18.4	19.8	21.0	22.0	22.6	19.2	20.5	21.9	22.3	21.3	21.7	21.5	21.8	22.2	21.3	21.3	21.5
12	21.6	21.8	21.2	20.5	19.9	19.7	20.1	19.5	18.9	18.7	19.4	20.0	19.8	19.3	18.1	18.3	18.0	18.0	17.8	18.5	18.4	18.4	19.3	18.3
13	18.1	18.5	18.8	18.7	18.3	17.5	17.0	16.5	16.7	17.4	18.0	19.3	19.5	18.8	18.0	17.3	17.4	17.8	17.4	18.5	18.7	15.0	14.0	13.4
14	13.4	14.1	13.0	12.6	12.2	12.0	12.7	13.9	15.6	15.8	16.3	16.2	15.8	16.2	16.1	16.8	15.7	16.0	16.5	15.4	15.0	15.4	15.4	15.1
15	15.6	15.1	14.3	14.1	12.5	10.5	10.7	10.7	11.3	11.5	11.9	13.1	12.5	12.6	13.0	13.8	13.3	12.9	12.8	12.8	12.9	12.0	11.0	10.0
16	9.6	8.2	10.1	9.5	8.6	6.8	9.0	11.4	11.3	12.7	14.3	14.3	13.6	13.6	13.4	15.4	15.0	15.9	15.5	15.7	15.1	14.2	14.0	13.5
17	13.1	12.4	11.9	11.3	10.1	10.2	10.2	12.3	14.3	15.5	16.0	16.6	17.0	17.3	18.0	17.7	16.6	16.7	17.0	17.8	16.4	15.0	14.8	16.0
18	15.4	14.9	14.1	13.4	13.0	12.6	12.2	13.9	16.0	17.0	17.7	18.0	18.6	19.4	20.2	19.3	19.0	18.9	18.9	19.1	19.0	17.4	17.2	16.5
19	16.5	16.8	17.5	17.0	16.5	16.0	15.8	16.8	17.8	18.0	18.0	18.0	18.0	18.0	18.0	18.0	17.6	18.2	18.0	18.1	17.8	16.2	16.3	16.0
20	15.5	16.2	16.9	16.6	16.1	15.5	16.0	17.3	18.8	20.2	21.4	22.0	22.0	21.0	21.8	21.8	21.7	21.9	21.9	21.4	21.0	20.7	20.4	19.8
21	19.5	18.9	17.9	17.4	17.2	17.9	17.8	18.4	19.0	19.2	20.0	20.7	20.7	20.3	20.4	19.5	19.2	18.7	18.3	17.7	17.1	16.3	15.8	15.0
22	14.6	13.8	13.3	13.2	12.5	10.4	12.8	14.1	15.6	16.9	18.7	19.1	20.2	20.6	21.3	21.8	22.1	22.8	22.5	22.8	22.9	23.1	23.3	22.5
23	22.2	21.6	21.5	21.4	20.8	19.4	19.0	19.0	19.1	19.7	19.8	20.2	20.5	21.4	21.0	20.6	20.5	18.7	17.5	18.2	18.1	17.8	16.7	16.0
24	15.7	14.6	13.7	13.6	13.0	13.4	14.7	17.0	16.6	16.8	17.0	18.7	18.7	18.9	18.9	18.9	19.8	19.0	19.5	19.6	18.0	18.1	17.7	17.2
25	17.4	17.6	17.4	17.2	17.2	17.0	17.2	15.0	15.3	16.5	16.7	16.7	16.9	16.1	17.3	16.0	15.7	15.4	14.7	14.1	13.9	12.0	10.5	9.8
26	9.0	8.4	7.7	7.5	7.5	8.0	8.7	10.0	11.5	12.3	13.3	12.1	13.3	13.0	13.0	12.3	13.8	13.3	13.0	12.8	12.7	11.8	11.0	10.7
27	10.8	10.7	10.3	10.4	10.5	10.8	10.9	12.5	13.8	15.3	16.5	16.5	17.3	14.8	15.0	15.8	15.3	15.9	15.5	15.5	15.1	16.1	16.2	15.9
28	15.6	15.0	14.4	14.3	14.0	13.7	13.8	14.7	16.3	17.2	17.4	17.7	17.7	19.2	18.1	18.0	17.9	17.4	17.2	17.6	17.8	17.8	16.9	17.1
29	17.4	16.8	16.2	16.0	15.5	14.8	14.7	16.0	16.7	17.9	18.9	19.8	20.6	20.2	20.1	20.1	20.0	20.0	18.9	18.2	17.0	16.0	15.3	15.5
30	15.7	15.4	15.2	15.0	14.6	14.4	14.0	13.4	13.6	13.0	13.0	12.9	13.4	12.5	12.9	13.6	13.5	13.5	12.5	12.5	13.0	11.6	10.1	9.5
31	9.2	8.0	7.7	7.6	6.0	6.9	7.7	11.1	12.8	13.7	13.1	12.7	13.1	15.0	15.3	14.8	15.6	14.3	15.0	14.2	14.2	13.9	13.3	13.6
MEAN	15.5	15.3	15.0	14.7	14.3	13.9	14.3	15.3	16.2	17.0	17.5	17.6	17.8	18.0	18.2	18.1	18.0	17.9	17.7	17.7	17.3	16.5	15.9	15.6

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JULY
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.	19.5	18.4	18.0	17.5	16.3	16.7	17.3	19.0	20.7	22.2	23.8	25.2	25.5	26.1	26.4	25.8	25.7	25.1	24.8	24.5	23.1	22.3	21.0	20.1
2.	19.8	19.5	19.0	18.6	18.6	18.6	18.3	18.8	20.5	21.0	21.6	23.1	22.5	23.4	24.5	25.3	25.4	25.1	25.2	23.4	22.5	20.7	19.9	19.2
3.	19.5	18.0	17.4	16.8	16.6	16.6	16.8	18.8	20.1	21.9	22.6	23.7	24.6	24.9	25.7	24.3	24.7	24.5	24.1	20.8	19.0	17.0	16.1	16.1
4.	16.5	15.3	14.8	14.2	15.3	15.4	14.3	16.6	20.7	22.9	24.7	26.1	27.0	28.2	28.6	28.0	27.8	27.0	26.8	25.2	22.6	21.6	20.1	20.1
5.	19.5	16.5	16.8	15.8	15.0	15.5	16.0	18.8	20.2	22.5	24.4	25.6	26.2	26.3	26.5	26.9	27.0	26.1	25.5	24.3	22.5	20.7	20.3	19.5
6.	18.7	18.8	17.8	17.0	17.0	16.9	17.1	18.1	20.3	22.0	23.8	25.7	26.4	27.0	26.9	27.0	26.6	26.3	25.8	24.8	22.9	21.6	19.7	18.4
7.	18.1	17.8	17.3	16.4	15.7	14.3	15.2	16.7	18.7	20.5	21.8	22.8	23.2	22.8	21.4	20.7	20.5	20.1	19.7	19.2	19.2	18.8	18.3	18.4
8.	18.5	18.5	18.4	18.3	18.1	18.0	18.1	19.3	20.1	21.8	23.2	24.9	25.5	27.4	26.8	28.7	29.3	28.8	28.7	28.0	27.2	25.5	23.8	23.8
9.	23.0	22.2	20.9	21.8	20.2	20.2	21.2	23.8	25.1	27.7	30.1	29.7	30.4	30.2	31.5	31.7	29.5	29.2	28.7	27.5	24.0	21.3	20.0	19.0
10.	19.4	20.1	19.2	18.5	17.2	16.1	18.0	20.9	22.3	23.7	26.9	28.2	28.7	30.5	30.8	30.9	31.7	31.6	30.3	28.2	26.3	25.0	24.6	23.3
11.	21.9	21.5	20.2	19.0	18.7	18.6	19.8	21.7	23.8	25.4	27.2	28.2	28.8	29.0	29.0	31.2	31.3	31.2	30.5	29.0	26.5	25.0	24.7	24.3
12.	23.5	23.4	22.4	21.9	20.5	20.9	22.0	21.9	22.5	23.9	24.4	25.2	26.2	26.1	26.6	26.2	25.6	24.0	24.4	23.7	22.7	22.2	21.3	21.3
13.	21.7	20.3	19.9	19.4	19.6	19.3	18.9	18.9	19.2	22.0	23.0	25.2	26.2	26.1	26.6	26.2	25.6	24.0	24.4	23.7	22.7	22.6	17.6	17.4
14.	16.8	16.5	16.7	15.0	14.6	14.0	15.0	16.9	19.1	20.0	21.1	21.8	21.3	22.2	22.5	23.8	22.2	22.1	21.7	18.0	17.9	16.1	15.8	15.8
15.	16.0	15.7	14.9	15.0	13.5	11.7	12.0	13.6	14.8	16.0	16.2	17.5	17.2	17.8	18.4	19.8	19.2	18.9	19.0	17.2	15.2	13.8	12.6	11.0
16.	10.6	8.8	10.5	9.9	9.0	7.0	9.3	12.9	16.3	18.3	20.0	20.5	20.3	20.3	23.0	23.0	24.0	23.9	23.5	23.0	21.0	17.8	17.0	16.2
17.	15.7	14.8	14.7	13.7	12.8	12.7	12.5	15.8	19.0	22.5	23.2	24.6	26.0	26.7	27.5	27.0	27.5	27.1	27.0	25.8	23.8	20.8	20.8	19.8
18.	19.0	18.3	17.5	16.5	16.5	16.2	16.3	17.9	21.4	21.2	22.8	25.0	26.6	26.6	28.2	28.5	29.0	28.4	26.5	25.8	23.9	20.2	19.6	18.1
19.	17.6	18.9	18.6	17.9	17.7	17.5	16.8	18.5	20.8	22.4	23.8	25.0	25.8	27.0	28.0	28.0	27.1	26.2	25.9	24.5	22.3	19.2	19.0	18.2
20.	19.3	19.1	19.2	18.4	17.5	16.6	17.8	19.8	22.3	25.0	27.0	28.3	29.5	30.7	31.8	32.2	32.0	31.5	31.0	29.7	28.1	26.8	26.1	25.1
21.	24.3	23.8	22.5	21.2	20.3	20.5	19.8	21.0	22.8	25.2	27.0	27.5	27.5	26.7	25.8	24.8	24.5	24.1	22.9	21.4	20.1	18.7	17.8	16.4
22.	16.7	15.8	15.3	14.8	13.4	11.0	14.0	16.6	18.6	20.3	22.7	23.7	26.0	27.1	28.7	29.2	29.4	29.5	28.9	27.9	27.2	26.6	26.1	25.9
23.	25.1	25.0	24.2	23.8	23.2	20.1	19.6	20.0	20.2	20.5	21.6	21.9	23.6	23.2	24.0	23.9	25.4	25.4	25.0	24.3	21.4	19.4	18.3	16.9
24.	16.2	15.1	14.0	14.4	14.0	14.5	15.8	18.6	21.2	21.2	22.8	23.2	24.9	25.6	25.9	26.3	25.1	24.9	24.4	23.5	21.6	20.7	19.4	19.2
25.	18.7	18.3	18.2	17.7	17.7	17.3	17.8	15.8	16.4	18.1	19.0	19.9	21.1	20.1	22.0	20.5	20.1	21.1	20.1	19.3	17.3	13.4	11.9	11.3
26.	9.8	8.9	8.4	8.8	8.8	8.8	10.2	11.8	14.6	17.5	19.2	19.1	20.1	20.5	20.0	20.1	22.0	21.5	21.0	20.0	17.8	13.9	13.4	12.7
27.	12.4	12.2	12.3	12.2	13.0	12.5	12.4	14.7	17.6	19.7	21.8	23.3	24.8	24.3	25.0	25.5	24.5	25.1	24.8	23.5	22.8	20.0	18.7	18.4
28.	17.3	16.7	15.7	15.8	15.5	14.7	15.2	17.1	20.4	22.5	24.6	26.2	26.1	28.9	29.1	28.9	29.1	28.6	27.7	25.9	24.0	22.4	21.4	21.0
29.	20.3	19.0	17.8	17.4	16.5	15.5	15.2	18.0	19.1	21.5	23.5	23.7	24.9	25.4	26.1	25.2	25.4	24.8	23.2	21.4	19.5	17.9	17.5	17.5
30.	17.5	16.8	17.2	16.8	16.5	16.5	15.4	15.5	16.1	17.0	17.4	18.5	18.6	18.9	20.0	21.5	21.1	20.9	18.5	18.8	15.9	12.3	11.9	11.8
31.	10.8	9.0	8.8	8.4	8.7	7.3	8.0	12.1	15.4	19.1	21.7	21.6	22.5	24.0	24.3	23.9	24.5	23.6	23.7	22.5	20.9	16.6	16.6	16.1
MEAN	18.1	17.6	17.1	16.6	16.2	15.6	16.0	17.7	19.7	21.4	22.9	23.8	24.5	25.2	25.9	26.1	26.0	25.7	25.2	23.9	22.0	20.1	19.2	18.5

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JULY 1979

1979

INTERNATIONAL AIRPORT FOR THE MONTH OF JULY

ALL TIMES ARE C.S.T. VELOCITY IN KILOMETERS PER HOUR

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	PEAK GUSTS	HOUR		
1	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE	39	13	CST
2	SE	SE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	44	17	CST
3	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	48	14	CST
4	W	C	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	4		
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	43	15	CST
6	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	50	12	CST
7	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	33	13	CST
8	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	43	15	CST
9	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	33	13	CST
10	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	43	12	CST
11	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	43	12	CST	
12	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	48	20	CST
13	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	76	21	CST
14	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	81	17	CST
15	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	46	04	CST
16	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	33	13	CST

