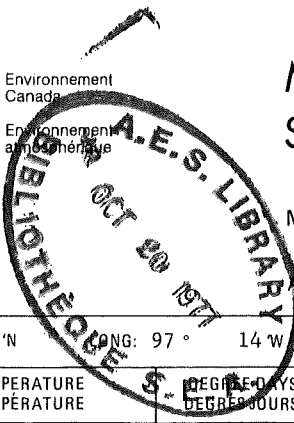


MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL



MONTH/MOIS SEPTEMBER / SEPTEMBRE

1977

AT/A WINNIPEG INTERNATIONAL AIRPORT / A L'AEROPORT INTERN, DE WINNIPEG, MAN.

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: ALTITUDE:		FEET (ASL) PIEDS (MER) 786		STANDARD TIME USED: HEURE NORMALE UTILISÉE: CENTRAL												
DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRÉS-JOURS		REL. HUMIDITY HUMIDITÉ REL.		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE				
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION		BRIGHT SUNSHINE INSOLATION EFFECTIVE			
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	%	%		mm	cm	mm		km/h		km/h		HOURS HEURES			
1	16.3	5.0	10.7	7.3	5.7	100	69	1.0		1.0		13.0	S	S	26	2.0				
2	17.8	8.0	12.9	5.1	7.9	95	29	Tr.		Tr.		16.4	WNW	WNW	26*	12.0				
3	17.8	7.0	12.4	5.6	7.4	98	59	20.4		20.4		14.5	SSE	SSE	20	0.0				
4	16.0	7.6	11.8	6.2	6.8	98	62	0.2		0.2		16.0	N	N	30*	2.9				
5	13.1	8.4	10.8	7.2	5.8	98	81	14.2		14.2		10.6	E	ENE	19*	0.0				
6	16.9	8.8	12.9	5.1	7.9	95	59	Tr.		Tr.		8.4	E	ESE	17*	4.9				
7	20.8	9.4	15.1	2.9	10.1	98	55					16.7	S	S	22*	8.0				
8	18.4	12.8	15.6	2.4	10.6	98	82	1	52.6	52.6		16.7	E	NNW	28	0.7				
9	17.6	8.0	12.8	5.2	7.8	98	59		9.2	9.2		33.6	NNW	NNW	52*	2.5				
10	21.0	6.9	14.0	4.0	9.0	95	42		0.2	0.2		12.0	W	W	35	9.4				
11	17.9	7.4	12.7	5.3	7.7	85	43					16.3	W, WNW	WNW	30*	10.1				
12	19.6	4.2	11.9	6.1	6.9	94	32		Tr.	Tr.		8.2	calm	WNW	20	10.8				
13	17.5	6.6	12.1	5.9	7.1	95	48		1.4	1.4		8.8	calm	NW	22	7.0				
14	25.4	7.0	16.2	1.8	11.2	92	39					20.2	S	S	31	10.1				
15	25.4	14.3	19.0	0.0	14.0	74	35					27.3	S	S	35	10.7				
16	22.7	12.3	17.5	0.5	12.5	88	61					26.4	S	S	41	9.0				
17	15.0	10.3	12.7	5.3	7.7	91	68		Tr.	Tr.		18.2	N, NW	WNW	26	0.0				
18	12.7	8.8	10.8	7.2	5.8	95	66		Tr.	Tr.		21.8	N	NNE	30	0.1				
19	11.8	8.0	9.9	8.1	4.9	97	67		0.8	0.8		13.4	N	N	19	0.7				
20	14.0	9.0	11.5	6.5	6.5	88	62	1	0.4	0.4		14.8	SE	ESE	22	0.0				
21	18.8	9.9	14.4	3.6	9.4	88	50	1	Tr.	Tr.		14.0	ESE	SE	24	3.2				
22	13.0	11.2	12.1	5.9	7.1	98	76		6.0	6.0		14.1	E, ESE	ESE	22	0.0				
23	13.7	11.5	12.6	5.4	7.6	98	81		0.2	0.2		18.7	E	E	30	0.0				
24	13.5	9.9	11.7	6.3	6.7	96	81		29.0	29.0		23.9	E	E	33	0.0				
25	11.5	9.7	10.6	7.4	5.6	98	93		11.7	11.7		11.3	N, NNW	E	15*	0.0				
26	11.3	9.0	10.2	7.8	5.2	98	89		0.9	0.9		15.7	NW, NNW	NNW	19*	0.0				
27	15.2	6.5	10.9	7.1	5.9	95	50		Tr.	Tr.		11.8	NW	NW	24	7.7				
28	14.7	3.8	9.3	8.7	4.3	94	47					14.0	NNW	NW	22*	7.2				
29	12.8	2.5	7.7	10.3	2.7	94	56					12.3	NE, NNW	NE	19*	7.5				
30	15.3	0.1	7.7	10.3	2.7	97	35					13.6	NNW, NE, ESE	ESE	24	9.8				
31																				
MEAN MOYENNE	16.6	8.1	12.4	TOTAL 170.5	TOTAL 220.5	94	59	TOTAL 3	TOTAL 148.2	TOTAL 148.2		16.1	PREVAILING SOUTH DOMINANTE	MAXIMUM NNW	52	TOTAL 136.3				
NORMAL NORMALE	18.4	6.6	12.6	172.8	226.7			2.2	52.6	.3	52.6	18.8	SOUTH	56		182.6				
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS											DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES: mm					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE DE NEIGE: cm				
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	0.2 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE	0.2 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE			
TOTAL FOR MONTH TOTAL DU MOIS	170.5	159.8	172.8	TOTAL FOR MONTH TOTAL DU MOIS	220.5	251.3	226.7	15	9	7	5	1	0	0	0	0	0			
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{ER} JUILLET	295.5	206.2	230.1	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{ER} AVRIL	1827.3	1826.5	1691.3													

* Indicates more than one occurrence of same speed but not necessarily the same direction.

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS SEPTEMBER / SEPTEMBRE										19 77	
Temperature/Température	— °Celsius	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
Precipitation/Précipitation	— Millimetres (mm)	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU			
Rainfall/Hauteur de pluie	— Millimetres (mm)					VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE		
Snowfall/Hauteur de neige	— Centimetres (cm)												
Wind speed/Vitesse du vent	— Kilometres/par heure (km/h)												
Station pressure/Pression à la station	— Kilopascals (kPa)												
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		25.4	14, 15	34.5	6	30.0	37.2	1 7	1929 1906	21.7	1	1884	106
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		0.1	30	- 3.6	21, 27	-2.2	2.8	20, 27, 28	1948 1968	-8.3	29	1889	106
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		12.4		13.3		12.6	16.8		1948	8.0		1965	106
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		148.2		9.9		52.6	149.6		1941	1.3		1948	106
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		...		Nil		.3	18.3		1872	Nil		SVLE	106
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		148.2		9.9		52.6	156.2		1872	1.3		1948	106
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		15		7		10	17		1941, 1953 1972	3		1897 1948	94
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		52.6	8	4.3	12		81.5	6	1886				106
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE				18.3	25	1872				106
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		52.6	8	4.3	12		81.5	6	1886				106
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES		4.1	8	.5	7		12.4	20	1970				19
10 MINUTES		7.9	8	.8	12		23.4	20	1970				19
15 MINUTES		10.7	8	1.3	12		29.7	20	1970				19
30 MINUTES		17.8	8	1.8	12		44.2	20	1970				19
60 MINUTES		20.1	8	2.8	12		47.8	20	1970				19
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		59.1	8-9	5.3	12-13		81.5	6	1886				106
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		16.1		18.5		18.8	24.6		1943	13.2		1925	57
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		NNW52	9	NW 54	3	56	N 72	23	1942				39
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		NNW80	9	WNW76	3	78	S 105	16	1946				33
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		136.3		227.5		182.6	251.9		1940	113.0		1912	78
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.44		98.55		98.53	98.87		1940	98.25		1970	39
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		99.43	2	99.73	14	100.07	101.11	25	1940				39
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.43	9	96.83	2	96.69				95.64	26	1959	39
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES										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		
1968	28.9	2.8	13.7	58.7		58.7	18.3	S 42	173.7	135.6	263.9		
1969	29.4	-2.8	12.7	61.0		61.0	19.6	S 50	173.8	170.6	238.9		
1970	32.2	-1.7	12.8	112.0		112.0	17.2	W 42	166.9	170.6	238.9		
1971	30.6	-2.2	13.3	49.8		49.8	15.6	S 39	187.0	146.1	255.0		
1972	26.1	-2.8	10.3	60.2	.8	61.2	17.5	WNW45	158.3	228.3	171.7		
1973	25.6	-3.9	12.0	82.0		82.0	18.0	NW 51	206.6	180.6	215.6		
1974	28.9	-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		

September ended with a burst of sunshine after a month of cloudy wet weather. Rainfall totalled 148.2 mm. to make this one of the wettest Septembers on record. September of 1872 and 1941 had slightly more rain than this year.

September sunshine totalled 136.3 hours, which is 46.3 hours less than usual. This was the duller September since 1945 when the sun shone for 128.3 hours. There were 9 days without sunshine including five days consecutive from September 22 to September 26, which is the greatest number on record.

Temperatures averaged near normal at 12.4 C. with afternoon highs cooler than usual and overnight lows slightly warmer than usual. Warmest period was at mid-month when the maximum read 25.4 on September 14 and 15. Coldest day was September 30 with a minimum of 0.1, which was first frost. It made the frost-free season 145 days.

DAILY WEATHER SUMMARY FOR SEPTEMBER 1977AT WINNIPEG, MANITOBA

1. Below normal temperatures. Mostly cloudy. Rain: 9:50 p.m. continued. Heavy fog: 4:49 a.m. to 6:12 a.m. Light winds.
2. Below normal temperatures. Sunny. Showers to 0:15 a.m. Mostly light winds.
3. Below normal temperatures. Cloudy. Showers 12:01 p.m. to 12:04 p.m. 2:50 p.m. to 9:20 p.m. Visibility reduced in heavy showers. Light winds.
4. Below normal temperatures. Partly cloudy. Drizzle: 00:51 a.m. to 10:12 a.m. Rain: 01:12 a.m. to 01:18 a.m. 10:19 a.m. to 10:36 a.m. Light fog in morning. Visibility restricted. Light winds.
5. Below normal temperatures. Cloudy. Rain: 3:25 a.m. to 12:50 p.m. Drizzle: 12:56^p to 2:10 p.m. Light winds. Visibility restricted in morning.
6. Near normal temperatures. Partly cloudy. Rainshowers: 2:25 a.m. to 2:45 a.m.
7. Above normal temperatures. Partly cloudy. Heavy fog: 5:57 a.m. to 6:27 a.m. Mostly light winds.
8. Above normal temperatures. Cloudy. Thunder: 4:10 a.m. to 7:00 a.m. Showers: 4:05 a.m. to 7:20 a.m. 7:50 a.m. to 7:56 a.m. 2:10^p continued. Drizzle: 7:27 a.m. to 8:08 a.m. Light fog. Visibility restricted in heavy showers and fog. Basements flooded. Power outages. Telephones out. Mostly light winds.
9. Near normal temperatures. Mostly cloudy. Showers to 9:17 a.m. Very strong NW winds. Trees knocked down some buildings and cars damaged.
10. Normal temperatures. Mostly sunny. Showers 3:27 p.m. to 3:45 p.m. Mostly light winds.
11. Near normal temperatures. Mostly sunny. Mostly light winds.
12. Near normal temperatures. Mostly sunny. Showers 11:45 p.m. continued.
13. Normal temperatures. Partly cloudy. Showers to 1:45 a.m. Light winds.
14. Above normal temperatures. Mostly sunny. Mostly light winds but gusty S wind in afternoon.
15. Above normal temperatures. Mostly sunny. Gusty SSE wind in afternoon.
16. Above normal temperatures. Partly cloudy. Gusty S wind in afternoon.
17. Normal temperatures. Cloudy. Drizzle: 3:49 a.m. to 4:27 a.m. Light winds.
18. Below normal temperature. Cloudy. Drizzle: 1:48 a.m. to 11:43 a.m. Mostly light winds.
19. Below normal temperatures. Cloudy. Drizzle: 00:43 a.m. to 1:05 a.m. 5:39 a.m. to 8:10 a.m. Visibility restricted in drizzle. Light winds.
20. Normal temperatures. Cloudy. Thunder: 11:50 p.m. continued. Showers: 5:40 p.m. to 8:45 p.m. Rain: 11:05 p.m. continued. Light winds.
21. Above normal temperatures. Mostly cloudy. Thunder to 00:25 a.m. Showers: to 00:25 a.m. Mostly light winds.
22. Near normal temperatures. Cloudy. Rain: 1:55 a.m. to 12:45 p.m. Drizzle: 3:25 p.m. continued. Visibility reduced afternoon and evening in drizzle and light fog. Light winds.
23. Above normal temperatures. Cloudy. Drizzle to 7:43 a.m. 3:15 p.m. to 8:02 p.m. Visibility slightly reduced in drizzle and light fog. Mostly light winds.
24. Above normal temperatures. Cloudy. Rain: 00:25 a.m. to 2:21 p.m. 7:55 p.m. continued. Drizzle: 10:12 a.m. to 10:26 a.m. 3:28 p.m. to 7:55 p.m. Visibility slightly reduced in drizzle light rain and fog. Mostly light winds but gusty E wind in morning.
25. Above normal temperatures. Rain to 8:30 a.m. Drizzle: 8:30 a.m. to 11:45 p.m. Light winds. Cloudy with light fog. Visibility slightly restricted in fog, drizzle and rain.
26. Above normal temperatures. Cloudy. Drizzle: 00:30 a.m. to 9:35 a.m. 12:45 pm. to 6:41 p.m. Light winds. Visibility slightly restricted in drizzle and fog.
27. Above normal temperatures. Partly cloudy. Rain: 03:50 a.m. to 5:10 a.m. Light winds.
28. Near normal temperatures. Partly cloudy. Light winds.
29. Below normal temperatures. Partly cloudy. Light winds.
30. Below normal temperatures. Mostly sunny. Light winds.

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.	7.9	6.4	7.2	6.3	7.3	5.8	5.0	7.6	10.1	11.8	13.5	14.9	15.0	15.6	15.6	15.5	15.0	15.0	14.5	13.6	13.0	13.1	12.9	12.5
2.	12.4	12.2	12.0	12.0	11.3	11.1	10.5	11.4	12.2	12.5	13.4	14.2	14.3	15.3	16.2	16.7	17.0	17.5	16.7	14.0	12.5	10.2	9.3	8.0
3.	8.4	7.7	7.7	7.0	8.1	8.0	8.5	9.1	10.1	11.4	13.2	14.2	15.0	16.2	16.8	17.0	16.9	17.3	17.0	15.5	14.2	14.2	14.2	13.9
4.	13.5	12.9	12.4	11.8	11.7	11.7	11.5	11.5	11.3	11.4	11.6	12.6	12.0	13.9	14.8	15.1	14.7	15.2	13.2	12.3	9.6	8.2	7.6	8.8
5.	8.4	8.8	9.1	9.5	9.7	10.1	10.3	10.4	10.2	10.4	9.7	9.2	10.0	10.7	11.2	12.6	13.0	13.1	13.0	12.6	12.2	11.1	10.6	10.2
6.	10.6	10.0	9.6	9.4	9.4	9.2	9.1	9.4	10.6	12.1	13.0	14.4	15.4	15.5	16.1	16.1	16.5	16.4	16.1	15.0	14.6	14.0	12.8	11.8
7.	11.2	10.9	10.7	10.6	10.5	10.5	9.4	10.0	10.9	13.1	15.4	17.4	18.4	19.5	20.0	19.6	18.8	18.6	18.3	16.5	15.4	15.7	15.2	15.6
8.	14.8	13.7	13.4	13.4	13.5	13.3	13.2	13.1	13.9	14.1	15.2	17.0	17.4	17.5	17.7	17.4	16.7	15.2	14.5	14.2	13.6	13.5	13.3	13.1
9.	12.8	12.5	12.0	11.4	10.5	11.0	11.0	11.0	11.1	11.6	12.9	13.8	14.3	16.3	16.2	16.2	15.6	15.5	14.8	14.3	10.7	9.2	8.8	8.6
10	8.0	8.8	7.3	8.9	8.0	8.0	7.4	8.2	10.5	12.5	15.0	17.4	18.6	19.6	20.4	18.9	17.2	18.0	17.4	16.3	12.6	10.5	11.9	9.1
11	9.3	8.4	9.0	8.8	7.8	7.8	7.4	7.4	9.5	13.3	15.3	16.5	17.1	16.8	16.6	17.8	17.0	16.2	15.5	12.3	10.5	9.4	9.8	9.0
12	8.5	8.0	6.8	6.2	4.6	4.5	4.8	6.4	9.8	12.4	15.0	16.6	17.5	18.1	18.5	18.6	17.6	17.8	16.6	12.6	11.5	11.3	11.8	12.0
13	12.0	10.3	10.4	10.8	10.5	10.2	9.4	9.1	11.5	12.2	12.9	13.5	15.6	15.1	15.9	16.2	17.0	16.7	15.6	13.1	9.4	9.0	9.0	8.5
14	7.5	7.0	7.5	9.0	8.5	8.7	7.2	10.1	10.5	14.6	17.9	20.5	22.6	23.8	24.9	24.9	24.6	24.0	22.2	20.4	19.3	18.5	17.9	17.2
15	16.5	15.6	14.5	14.6	14.6	14.3	14.4	14.5	16.3	18.0	20.1	22.1	24.6	24.2	24.7	25.2	24.8	24.1	23.3	21.1	20.1	19.0	18.7	17.5
16	16.4	15.4	14.6	13.7	12.7	12.4	12.5	13.0	14.9	16.5	18.1	20.1	21.4	21.6	21.5	21.3	21.1	21.2	20.2	19.8	18.8	18.0	16.2	14.6
17	15.0	14.4	13.7	13.2	12.7	12.6	12.3	12.0	12.3	12.4	12.4	13.1	13.8	13.8	14.0	14.1	13.8	13.5	13.3	12.7	12.5	11.6	11.0	10.5
18	10.5	9.9	9.5	9.5	9.5	9.3	8.9	8.9	9.0	9.1	9.6	10.6	10.6	11.7	12.0	12.3	11.8	11.6	11.0	10.5	9.0	9.2	9.1	8.9
19	8.9	9.0	8.9	8.8	8.5	8.6	8.5	8.1	8.1	8.6	9.9	10.6	10.6	11.0	11.1	11.2	11.4	11.0	10.6	10.2	10.2	9.9	10.0	10.2
20	10.0	9.5	9.4	9.2	9.1	9.1	9.0	9.2	9.4	10.0	10.5	11.1	12.1	13.0	13.1	13.4	13.3	13.0	12.0	10.9	10.5	10.3	10.5	10.4
21	10.1	10.0	10.0	10.0	10.1	10.0	10.2	10.0	10.9	12.3	13.3	14.0	15.0	15.6	15.8	16.7	17.5	17.5	17.5	16.0	14.6	14.5	13.5	11.7
22	13.0	12.0	12.5	11.2	11.5	11.5	11.4	11.4	11.4	11.5	11.6	11.6	11.7	12.2	12.5	12.5	12.1	11.8	12.0	11.6	11.7	11.7	11.7	11.5
23	11.6	11.6	11.8	11.7	11.6	11.5	11.5	11.5	11.7	11.8	12.1	12.7	12.7	13.0	13.4	13.4	13.4	13.4	13.1	13.1	13.4	13.5	13.5	13.4
24	13.5	13.4	13.1	12.5	12.1	12.1	12.2	12.2	12.0	11.7	11.5	11.4	11.8	11.8	11.6	11.7	11.6	11.5	11.0	10.7	10.7	10.5	10.3	10.2
25	10.0	10.6	10.1	10.0	10.0	10.0	10.1	10.0	9.8	10.0	10.2	10.8	11.0	11.0	11.1	11.4	11.1	11.0	10.8	10.1	9.9	10.0	10.0	9.9
26	9.8	10.1	9.4	9.3	9.2	9.0	9.0	9.0	9.0	9.4	9.8	10.0	10.4	10.5	11.3	11.2	11.1	11.3	11.2	10.9	11.0	10.4	10.3	10.1
27	9.9	9.6	9.6	9.4	9.2	9.3	9.4	9.1	9.3	10.2	11.1	12.6	13.5	12.9	14.8	14.5	13.6	13.1	12.6	10.1	9.0	8.7	7.8	6.8
28	7.2	8.1	5.6	6.0	5.5	5.4	6.2	5.6	8.2	9.9	11.4	12.6	13.0	12.8	14.3	14.7	12.5	11.2	9.7	8.3	7.0	6.0	5.9	4.2
29	4.0	3.5	3.5	3.5	3.3	3.2	3.2	3.6	5.9	8.6	10.4	11.4	11.2	12.2	11.6	12.0	11.8	11.2	9.8	8.0	7.7	6.0	5.2	4.3
30	2.6	3.0	2.1	2.5	1.5	.4	.4	.7	3.8	8.2	10.2	11.9	12.7	14.0	14.8	14.8	14.5	14.1	11.5	7.8	6.0	4.6	3.9	3.7
MEAN	10.5	10.1	9.8	9.7	9.4	9.3	9.1	9.5	10.5	11.7	12.9	14.0	14.7	15.2	15.6	15.8	15.4	15.2	14.5	13.1	12.1	11.4	11.1	10.5

HOURLY METEOROLOGICAL TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF SEPTEMBER 1977

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.	7.5	6.1	6.9	6.1	7.1	5.8	5.0	7.6	9.5	10.6	12.1	12.4	12.1	12.5	12.4	12.8	13.0	12.5	12.0	11.8	11.5	11.9	12.0	12.0
2.	11.9	11.5	11.4	11.4	11.0	10.6	10.0	10.3	10.6	9.9	10.2	10.4	10.3	10.3	9.6	9.2	8.6	10.3	9.3	9.0	7.7	7.0	7.0	5.8
3.	5.8	5.5	5.9	5.0	6.0	6.3	6.5	7.0	7.6	8.2	9.3	10.4	11.5	12.7	13.7	14.0	14.6	14.7	14.3	14.5	14.0	13.8	13.8	13.6
4.	13.3	12.7	12.1	11.5	11.5	11.5	11.2	11.1	11.0	11.0	11.1	11.6	10.6	11.5	11.5	11.6	11.3	11.2	10.5	9.6	8.6	7.7	7.3	8.3
5.	7.9	8.1	8.4	9.0	9.4	9.7	10.0	10.0	10.2	9.4	9.4	8.8	9.5	10.3	10.7	11.6	11.4	11.4	11.4	11.1	11.0	10.3	10.1	9.6
6.	9.8	9.3	9.1	8.9	8.9	8.8	8.4	8.6	9.1	10.0	10.6	11.6	12.1	11.8	11.8	12.1	12.2	12.5	12.3	12.0	12.2	12.5	11.6	11.0
7.	10.8	10.3	10.4	10.3	10.3	10.1	9.3	9.9	10.6	12.1	13.4	14.4	15.3	15.8	15.4	15.2	13.4	14.3	14.5	13.8	13.4	13.6	13.4	13.5
8.	13.2	12.6	12.4	12.4	12.6	12.8	13.0	12.9	13.6	13.7	14.6	15.6	16.0	15.5	16.0	15.5	15.1	14.8	14.2	13.9	13.5	13.3	13.1	12.8
9.	12.6	12.3	11.6	10.4	9.8	10.4	10.2	10.0	10.0	10.1	10.8	11.4	11.5	12.6	12.3	11.8	12.0	11.8	11.2	10.8	9.5	8.5	8.1	8.4
10.	7.5	8.2	6.9	8.4	7.4	7.4	6.9	7.5	9.0	10.4	11.7	12.1	12.5	12.7	13.0	11.8	11.1	12.5	12.3	12.0	10.3	9.8	9.2	7.7
11.	7.8	7.2	7.3	6.8	6.3	6.3	6.0	6.0	8.1	11.0	11.0	11.1	11.2	10.9	10.2	11.5	10.9	9.8	9.6	9.4	8.2	7.5	7.7	7.4
12.	7.0	6.7	5.9	5.8	4.2	4.1	4.3	5.7	8.1	9.4	12.7	11.2	11.3	10.8	10.6	10.3	10.6	10.0	9.9	10.3	8.5	8.5	9.4	9.5
13.	9.2	9.5	9.8	10.0	10.0	9.8	8.8	8.7	10.2	11.1	11.3	11.5	12.7	12.0	11.9	11.4	11.5	11.0	11.0	11.6	7.8	7.9	7.9	7.2
14.	6.5	6.1	6.5	7.3	7.3	7.4	6.6	8.2	8.7	11.3	12.9	13.9	15.5	15.1	16.1	15.9	17.6	17.2	16.3	14.9	14.0	13.3	13.0	12.8
15.	13.0	12.0	11.2	11.2	11.4	11.4	11.6	11.9	12.8	13.9	15.0	16.3	19.3	16.3	16.5	16.4	15.6	14.8	14.4	13.6	13.4	13.2	13.0	12.7
16.	12.3	11.7	11.2	10.9	10.4	10.2	10.3	10.8	12.0	13.2	14.4	15.9	16.7	16.9	16.7	16.5	16.4	16.6	16.3	16.2	15.2	14.5	13.6	13.2
17.	13.9	13.1	12.6	12.2	12.0	11.7	11.1	10.6	10.6	10.4	10.4	10.9	11.3	11.0	11.1	11.1	10.7	10.7	10.6	10.3	10.0	9.6	9.3	8.7
18.	8.5	8.5	8.3	8.7	9.1	9.0	8.6	8.3	7.9	8.2	8.1	8.0	9.1	9.0	9.5	9.2	9.0	8.8	9.0	8.8	8.6	8.3	8.4	8.3
19.	8.3	8.3	8.2	8.2	7.9	7.9	7.8	8.0	7.9	8.1	8.8	9.0	8.1	8.5	8.4	8.4	8.4	8.5	8.3	8.2	8.2	8.4	8.2	8.0
20.	8.0	8.0	8.0	8.0	8.0	8.0	7.9	8.0	8.2	8.6	8.6	8.9	9.0	9.6	9.6	9.7	9.5	10.0	10.0	9.7	9.4	9.3	9.2	9.0
21.	9.2	9.0	9.0	8.9	9.0	9.0	9.0	9.0	9.3	10.6	10.9	11.1	12.0	12.3	12.3	12.7	13.5	13.8	11.8	10.6	9.6	9.7	9.7	9.3
22.	9.9	9.6	10.4	10.5	10.9	10.9	10.8	10.9	11.0	11.1	11.1	11.0	11.1	11.3	11.4	11.4	11.4	11.5	11.5	11.0	11.3	11.3	11.3	11.3
23.	11.4	11.4	11.4	11.4	11.4	11.3	11.3	11.2	11.2	11.3	11.4	11.7	11.7	11.8	12.0	12.2	12.4	12.5	12.6	12.7	12.8	12.8	12.4	12.0
24.	11.7	11.6	11.7	11.8	11.6	11.7	11.7	11.6	11.5	11.2	10.7	10.8	10.9	10.8	10.8	10.8	10.7	10.6	10.4	10.3	10.2	10.0	9.8	9.7
25.	9.5	10.2	9.5	9.4	9.5	9.6	9.7	9.7	9.6	9.8	10.0	10.5	10.5	10.5	10.6	10.9	10.8	10.7	10.4	9.9	9.6	9.8	9.8	9.6
26.	9.5	9.4	9.1	8.9	8.8	8.6	8.6	8.6	8.8	9.3	9.4	9.5	9.8	10.0	10.3	10.5	10.7	10.8	10.6	10.6	10.3	9.8	9.7	9.5
27.	9.3	9.1	9.1	9.0	8.8	8.7	8.9	8.6	8.9	9.4	9.1	9.5	9.8	9.2	10.0	9.3	8.8	8.8	8.7	7.5	7.0	7.0	6.2	5.7
28.	5.8	6.2	4.9	5.5	5.1	4.8	5.6	5.1	7.5	8.5	9.6	9.4	9.5	8.9	9.7	9.1	8.8	8.3	7.5	6.3	5.7	4.9	4.7	3.6
29.	3.4	2.9	3.0	3.0	3.9	2.8	2.8	3.0	5.4	7.6	8.1	8.4	7.3	8.0	8.0	8.3	8.2	7.6	7.2	6.0	5.9	5.0	4.4	3.3
30.	2.1	2.2	1.8	2.0	1.2	.1	.1	.6	3.3	6.5	7.1	7.3	7.9	7.7	8.2	7.8	7.5	7.4	8.0	6.2	5.0	4.0	3.0	2.3
MEAN	9.2	9.0	8.8	8.8	8.7	8.6	8.4	8.6	9.4	10.2	10.8	11.2	11.5	11.5	11.7	11.6	11.5	11.5	11.2	10.7	10.1	9.8	9.5	9.2

INTERNATIONAL AIRPORT FOR THE MONTH OF SEPTEMBER 1977

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF SEPTEMBER 1977
 ALL TIMES ARE C.S.T. VELOCITY IN KILOMETERS PER HOUR

HOOR STARTING	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	HOOR
1	C	C	W	W	C	C	C	S	C	S	SW	SSW	SSW	S	S	S	S	S	S	S	S	SSW	SSW	SW	08 CST
2	SSW	SSW	SW	SSW	SW	WSW	W	WNW	WNW	WNW	NW	N	NNW	NW	WNW	NW	WNW	W	WNW	SW	SSW	SSW	SW	WNW	
3	SSW	SSW	S	SSW	S	SSW	S	S	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE	SE	SE	ESE	SSE	F	ESE	SE	ESE	
4	E	E	N	NNE	N	N	N	NNW	N	N	NE	ENE	NNE	NE	ENE	NNE	NNE	NNE	NNE	E	NNW	C	C	C	
5	C	C	ENE	C	N	C	C	NE	E	ENE	ENE	E	E	E	E	E	E	E	ENE	E	E	ENE	ENE	E	
6	ESE	E	ENE	E	E	E	E	ENE	E	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
7	SSW	SSW	S	SSW	SSW	S	S	S	S	SSW	S	S	S	S	S	S	S	SSE	S	S	SSE	SSE	SSE	S	
8	SSE	SSE	S	SSE	SSE	SSE	SE	ENE	E	ENE	E	E	E	E	E	E	E	F	E	NE	NNE	N	NNW	16 CST	
9	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
10	C	WNW	W	W	W	W	W	WSW	SW	W	W	W	WSW	W	WSW	W	WSW	W	WSW	WSW	SSW	W	WNW	WSW	
11	W	W	W	W	W	W	W	WNW	WNW	WNW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	W	W	
12	WNW	WNW	WNW	C	C	C	C	S	S	SSW	WSW	W	SW	W	WNW	W	WNW	W	NW	C	C	SE	S	S	
13	WNW	NW	C	SE	C	S	S	C	WSW	SW	NW	NW	W	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	C	C	SSW	
14	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
15	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	

