



# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

AUGUST/AOUT

19 82

AT/A WINNIPEG INT'L AIRPORT / A L'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:													
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 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°C	BASE 5°C	%	%	mm	cm	mm	cm	km/h		km/h	HOURS HEURES				
1	21.9	10.4	16.2	1.8	11.2	92	63	1	7.2	7.2		19.8	E	SE30	11.1				
2	25.0	16.3	20.7	0.0	15.7	94	70	1	1.8	1.8		22.4	ESE	ESE37	4.6				
3	29.0	15.7	22.4	0.0	17.4	98	37					12.0	W	W17*	14.2				
4	27.3	15.5	21.4	0.0	16.4	92	48					14.5	NNW	NW35	14.2				
5	27.6	11.2	19.4	0.0	14.4	100	49	1	Tr.	Tr.		6.2	CALM	NW15	10.1				
6	27.2	17.8	22.5	0.0	17.5	86	54	1	1.8	1.8		9.1	SSSE	SSE26	10.0				
7	26.0	15.3	20.7	0.0	15.7	93	39		1.2	1.2		26.7	WNW	WNW54	12.9				
8	19.8	9.4	14.6	3.4	9.6	94	62		4.6	4.6		34.9	NNW	NNW52	10.1				
9	18.6	7.2	12.9	5.1	7.9	95	46					19.6	N	N28*	12.2				
10	21.1	4.1	12.6	5.4	7.6	94	35					5.9	NNW	WNW15	13.6				
11	24.3	8.1	16.2	1.8	11.2	83	33					22.2	SSE	S37	13.2				
12	20.8	14.6	17.7	0.3	12.7	90	59		0.2	0.2		32.5	SSSE	S48	2.8				
13	27.0	14.1	20.6	0.0	15.6	98	32					14.0	W	S30	13.5				
14	29.5	15.8	22.7	0.0	17.7	96	50	1	11.4	11.4		24.7	SSE	SSW44	5.5				
15	23.6	14.1	18.9	0.0	13.9	93	54		0.4	0.4		20.8	WNW	ESE74	13.6				
16	26.5	11.0	18.8	0.0	13.8	95	42					7.0	CALM	NE19	13.2				
17	28.6	11.7	20.2	0.0	15.2	87	28					8.4	SE	ESE20	13.7				
18	29.0	16.4	22.7	0.0	17.7	96	51	1	16.8	16.8		13.7	SSE	SSW37	8.8				
19	25.8	12.7	19.3	0.0	14.3	86	36		Tr.	Tr.		19.9	WNW	NW37*	13.6				
20	25.8	12.5	19.2	0.0	14.2	90	37					15.9	WNW	WNW30	13.4				
21	23.6	13.2	18.4	0.0	13.4	94	64		2.4	2.4		13.2	SE	SE24*	4.5				
22	23.1	10.8	17.0	1.0	12.0	98	51		9.2	9.2		13.0	WNW	W28	6.9				
23	22.0	8.4	15.2	2.8	10.2	95	42					8.7	WNW	SW15	11.3				
24	18.1	10.7	14.4	3.6	9.4	93	41		Tr.	Tr.		16.5	N, WNW	WNW30	12.0				
25	14.0	4.0	9.0	9.0	4.0	97	44		0.6	0.6		19.2	NW	NNW41	6.8				
26	15.8	2.9	9.4	8.6	4.4	83	37		Tr.	Tr.		17.5	NW	NW31	6.0				
27	14.3	0.7	7.5	10.5	2.5	84	31					15.2	WNW	WNW30	12.6				
28	19.4	2.9	11.2	6.8	6.2	79	35	1	1.4	1.4		20.0	SE	ESE41	7.9				
29	18.9	5.9	12.4	5.6	7.4	91	45					23.5	WNW	NW43	11.0				
30	17.4	3.6	10.5	7.5	5.5	92	45					8.4	S	SSW20	3.6				
31	23.2	10.5	16.9	1.1	11.9	89	49		Tr.	Tr.		12.8	SE	NNE22*	6.0				
MEAN MOYENNE	23.0	10.6	16.8	TOTAL 74.3	TOTAL 366.6	92	45	TOTAL 7	TOTAL 59.0	TOTAL 59.0		16.7	PREVAILING DOMINANT WNW	MAXIMUM ESE74	TOTAL 312.9				
NORMAL NORMALE	24.7	11.8	18.3	43.3	411.7	92	47	6.0	75.2	75.2		16.4	S	52	283.3				
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 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	74.3	11.6	43.3	TOTAL FOR MONTH TOTAL DU MOIS	366.6	468.6	411.7	13	10	6	2	0	0	0	0	0	0		
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 <sup>ER</sup> JUILLET	82.0	26.9	64.4	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 <sup>ER</sup> AVRIL	1422.5	1507.2	1473.6												

UDC 551.506.1 (

\*INDICATES MORE THAN ONE OCCURRENCE  
OF SAME SPEED, BUT NOT NECESSARILY THE SAME  
DIRECTION. \*NEW 30YR. NORMALS 1951-1980  
\*UNOFFICIAL REPORT OF HAIL AUG. 28/82 IN WPG.

Subscription Price: 1.50 (monthly); 15.00 (calendar year (January to December))  
Prix d'abonnement: mensuel 3.00 (annuel 18.00 (Janvier à décembre))  
RENEWALS EFFECTIVE JAN. 1/82

CLIMATOLOGICAL SUMMARY FOR AUGUST 1982AT WINNIPEG, MANITOBA

The month was on the cool side with a mean temperature of 16.8°C as compared to the normal 18.3°C. The warmest day was 29.5 on the 14th while the coldest night was 0.7°C on the 27th. Only 59 mm of rain fell, some 16 mm below normal. Wind gusts up to 98 Km/h were recorded on the night of the 14th. Average winds for the month were slightly above normal. Sunshine with 312.9 hours was above the normal for the month.

DAILY WEATHER SUMMARY FOR AUGUST 1982AT WINNIPEG, MANITOBA

All Times Central Standard Not Daylight

1. Below normal temperature. Mostly sunny but smoke aloft from forest fires. Thunder 10:46 P.M. continued. Showers sometimes heavy 11:02 P.M. continued. Mostly light winds but SE gust to 43 Km/h in evening.
2. Above normal temperature. Mostly cloudy, thunder to 8:44 A.M. Showers to 8:28 A.M. Rain 5:07 P.M. to 5:11 P.M. Moderate winds with SSE gust to 52 Km/h in the morning.
3. Above normal temperature. Mostly sunny. Light winds. Light fog in the morning.
4. Above normal temperature. Mostly sunny with light winds but NW gust to 46 Km/h in the afternoon.
5. Slightly below normal temperature. Mostly sunny. Heavy fog 4:52 A.M. to 5:00 A.M. Light fog till 6:00 A.M. Thunder 11:42 P.M. continued. Showers 11:00 P.M. to 11:25 P.M. 11:42 P.M. continued. Light winds. Hail at Deerwood, Manitoba.
6. Above normal temperature. Mostly sunny. Thunder to 6:15 A.M. Showers to 5:15 A.M. Mostly light winds but SE gust to 56 Km/h in the morning.
7. Above normal temperature. Mostly sunny. Showers or light rain 6:39 P.M. to 11:04 P.M. Moderate winds with WNW gust to 72 Km/h in the afternoon.
8. Cool. Sunny becoming cloudy late morning. Rain 00:11 to 01:44 A.M. drizzle 00:54 A.M. 01:39 A.M. Showers sometimes heavy 12:07 P.M. to 9:17 P.M. Moderate winds with NNW gust to 74 Km/h in afternoon. Plane landed on highway near Grand Marais due to poor visibility and high winds. No injuries. Girl drowned in Lake Winnipeg, South of Victoria Beach due to 2 metre high waves and strong winds.
9. Cool. Mostly sunny. Mostly light winds but N gust to 48 Km/h in morning.
10. Cool. Mostly sunny. Light winds. Record breaking low temperature.
11. Below normal temperature. Sunny. Moderate winds with S gust to 54 Km/h in afternoon.
12. Slightly below normal temperature. Mostly cloudy. Rain 1:51 P.M. to 5:03 P.M. Moderate winds with S gust to 65 Km/h in afternoon. Light fog in afternoon.
13. Above normal temperature. Mostly sunny. Heavy fog 5:31 A.M. to 6:04 A.M. light fog till early afternoon. Mostly light winds but S gust to 41 Km/h in early morning.
14. Warm. Mostly cloudy. Thunder 2:54 A.M. to 6:29 A.M. 10:25 P.M. to 11:08 P.M. Showers 5:43 A.M. to 12:31 P.M. 10:07 P.M. continued. Moderate winds with ESE gust to 98 Km/h late evening. Tornado reported at Decker, Manitoba. Some damage.
15. Normal temperature. Mostly sunny. Showers or light rain to 01:19 A.M. Moderate winds with ESE gust to 72 Km/h in early morning. Tornado reported at Shamattawa, Manitoba. Hail at Gladstone and Rosssburn, Manitoba.
16. Near normal temperature. Mostly sunny. Light winds.
17. Above normal temperature. Mostly sunny. Light winds. Hail at Gilbert Plain and Dauphin.
18. Warm. Partly cloudy. Thunder 3:35 A.M. to 6:02 A.M. Showers sometimes heavy 3:41 A.M. to 8:14 A.M. Some flooded basement. Precipitation up to 50 mm parts of city. Mostly light winds but SSW gust to 69 Km/h in morning. House hit by lightning in St. James. Heavily damaged. Hail at McGregor, Manitoba.
19. Above normal temperature. Mostly sunny. Moderate winds with NW gust to 50 Km/h in afternoon. Shower 00:47 A.M. to 01:05 A.M.
20. Above normal temperature. Mostly sunny. Mostly light winds but W gust to 44 Km/h in afternoon.
21. Slightly above normal temperature. Mostly cloudy. Shower 01:20 A.M. to 4:57 A.M. Rain 11:02 A.M. to 12:12 P.M. Showers 5:24 P.M. to 6:06 P.M. Mostly light winds but N gust to 35 Km/h in afternoon.
22. Slightly below normal temperature. Partly cloudy. Showers 1:46 P.M. to 7:19 P.M. Mostly light winds but NNE gust to 43 Km/h in afternoon. Pilot killed when light aircraft crashed in field near Morden.
23. Below normal temperature. Mostly sunny. Smoke in late evening reduced visibility, it was caused by farmers burning stubble. Fire department kept busy with calls. Light winds.
24. Below normal temperature. Mostly sunny. Showers 10:43 P.M. continued. Mostly light winds but W gust to 50 Km/h in afternoon.
25. Cool. Partly cloudy. Showers to 3:42 A.M. Rain 8:28 A.M. to 8:35 A.M. Mostly light winds but NNW gust to 54 Km/h in morning.
26. Cool. Partly cloudy. Rain 8:37 A.M. to 12:05 P.M. Mostly light winds but WNW gust to 50 Km/h in afternoon.
27. Cool. Mostly sunny. Mostly light winds but WNW gust to 43 Km/h in afternoon.
28. Below normal temperature. Partly cloudy. Thunder 6:29 P.M. to 7:13 P.M. Showers 3:05 P.M. to 7:19 P.M. Moderate winds with SE gust to 56 Km/h in evening. Unofficial reports of hail in Winnipeg.
29. Below normal temperature. Mostly sunny. Moderate winds with NW gust to 56 Km/h in afternoon.
30. Cool. Mostly cloudy. Smoke aloft. Light winds.
31. Above normal temperature. Partly cloudy. Shower 00:39 A.M. to 01:04 A.M. Rain or drizzle 01:04 A.M. to 02:06 A.M. Mostly light winds but SSE gust to 31 Km/h in morning.

WETBULB  
HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF AUGUST 1982

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.	14.3	13.0	12.0	10.9	10.3	9.9	9.7	10.3	10.9	12.1	13.1	14.0	14.5	15.7	16.2	16.0	16.9	16.8	16.3	16.2	15.7	15.7	15.6	15.2
2.	15.7	16.1	16.4	16.8	16.1	17.0	16.8	16.5	17.0	16.9	18.3	18.9	19.9	19.8	19.8	20.2	20.1	19.8	19.8	20.0	20.0	20.0	19.8	19.0
3.	20.2	19.8	18.6	17.6	16.8	15.3	15.2	16.0	17.4	18.2	19.0	19.0	19.0	18.9	18.6	18.5	18.3	18.5	18.8	18.8	18.3	17.7	16.0	
4.	16.8	17.2	16.7	16.2	15.7	15.0	15.6	17.2	18.4	18.9	19.0	19.9	19.8	19.9	20.0	19.0	18.9	19.1	19.2	19.0	18.0	17.2	16.3	
5.	14.7	14.4	13.0	12.2	12.2	12.0	11.8	16.0	17.0	17.7	19.0	18.6	19.1	19.1	19.0	19.6	20.0	19.5	19.2	19.7	19.0	18.5	18.3	
6.	18.2	18.0	18.7	17.6	17.3	16.8	16.2	17.2	17.9	19.4	19.1	19.1	20.4	20.0	21.0	20.4	20.3	20.1	20.8	20.0	19.7	19.4	18.8	
7.	19.3	19.2	19.3	18.8	17.9	18.2	18.3	18.5	18.8	18.2	19.3	18.0	17.0	16.0	16.2	16.7	15.9	14.8	17.0	17.5	15.5	14.5	14.5	
8.	14.7	14.7	14.7	15.0	14.3	13.7	14.0	13.7	13.9	14.1	14.5	14.6	14.9	14.5	14.6	15.7	14.8	14.2	14.0	12.5	12.0	11.2	10.5	
9.	8.5	7.9	8.5	8.4	7.9	7.9	7.9	8.8	9.5	10.0	11.7	11.9	10.7	11.2	11.5	12.0	11.6	11.5	10.9	10.8	9.7	9.0	7.5	
10	6.2	6.8	6.1	5.2	4.5	4.5	4.5	7.1	9.9	10.7	11.4	11.4	11.5	11.9	14.2	12.9	12.0	12.2	13.1	11.6	10.4	9.8	9.2	
11	8.5	8.4	8.0	7.9	7.5	7.3	7.3	8.4	10.8	12.6	13.2	13.1	13.1	13.9	13.9	13.9	14.1	14.2	13.5	13.6	12.8	12.9	12.8	
12	12.2	12.2	12.0	11.8	11.8	11.8	11.8	12.5	13.7	14.8	15.2	15.4	15.9	16.1	16.1	16.4	16.8	16.8	16.5	16.2	16.2	16.3	16.2	
13	16.0	16.0	16.0	15.7	15.3	14.8	14.0	14.0	14.9	15.8	16.0	16.1	15.8	15.8	16.7	16.4	16.1	16.0	16.1	15.4	15.1	14.5	13.4	
14	12.7	12.7	13.0	13.7	13.2	12.5	11.4	12.6	14.8	16.5	17.4	17.4	17.3	16.2	16.2	21.1	22.5	20.5	20.6	20.7	20.2	20.4	20.3	
15	16.5	16.3	15.9	16.0	16.3	16.9	17.1	17.2	18.0	17.0	16.7	16.5	16.0	16.2	16.2	17.0	17.1	16.9	16.7	16.4	15.4	14.5	13.8	
16	12.9	12.1	11.5	11.3	10.7	11.0	11.0	14.2	15.3	15.4	15.5	16.1	16.0	16.0	16.9	17.2	17.0	17.1	17.0	16.4	15.5	14.8	14.1	
17	13.1	12.5	11.9	11.2	11.1	11.6	11.6	13.8	13.7	14.7	16.1	14.8	14.9	15.3	15.9	16.1	17.2	17.0	17.4	16.9	15.0	14.8	15.1	
18	14.8	15.2	15.3	15.4	18.8	18.7	18.7	18.2	18.9	19.8	21.2	21.3	21.8	21.3	20.8	21.1	21.8	21.8	20.7	20.2	20.1	19.1	16.8	
19	14.8	14.7	13.7	13.2	12.5	11.4	12.6	14.8	16.5	17.4	17.4	17.3	17.3	16.2	16.2	15.4	15.6	15.3	15.3	15.0	14.1	14.6	13.8	
20	13.8	13.8	13.5	13.0	12.9	12.5	12.1	13.5	15.6	16.7	16.7	16.5	16.0	16.2	16.2	15.7	15.7	16.0	16.2	16.0	14.0	13.1	12.9	
21	13.1	13.6	14.0	14.4	13.9	13.7	13.0	14.0	14.3	14.5	14.8	16.2	15.5	16.7	18.2	18.0	18.4	17.7	17.2	16.2	15.8	14.4	13.9	
22	13.0	12.5	12.6	12.3	11.7	11.6	10.9	12.4	14.8	15.8	16.3	15.5	15.6	16.3	15.8	14.3	14.4	14.3	14.3	14.0	13.4	12.4	11.5	
23	10.4	10.4	9.9	9.2	9.1	8.2	10.5	12.2	13.6	13.6	13.6	13.6	13.0	13.7	14.0	14.5	14.5	13.4	13.9	14.0	12.5	13.0	12.2	
24	12.6	11.6	11.3	10.8	10.8	10.4	11.0	12.0	12.2	11.1	11.9	10.8	10.4	10.8	11.0	10.4	10.4	10.8	10.1	10.1	9.2	9.2	10.0	
25	9.1	9.4	10.0	10.4	10.9	10.4	7.8	9.8	9.5	8.9	8.4	6.7	7.8	8.0	7.4	7.4	7.2	6.5	6.1	5.7	4.5	4.4	3.6	
26	2.8	2.2	2.0	2.0	2.1	2.1	2.4	3.9	5.2	5.8	6.6	7.4	7.6	7.4	7.4	7.5	6.6	6.5	6.7	6.1	4.0	3.2	2.5	
27	1.4	.8	.8	.7	.7	.3	-2	1.9	4.3	5.4	4.9	5.3	6.1	6.1	6.8	6.8	6.4	6.6	5.6	4.8	3.7	3.0	1.7	
28	1.9	1.7	1.9	3.9	3.0	2.4	4.6	5.9	7.4	7.4	7.3	8.2	9.8	10.0	10.9	10.6	11.2	11.1	11.3	11.1	12.4	11.4	10.7	
29	10.3	9.9	9.8	10.0	9.6	10.6	10.8	10.1	10.0	11.3	11.2	12.2	12.2	11.8	12.0	11.8	12.0	12.2	11.4	10.2	7.7	6.8	5.4	
30	5.0	4.0	3.7	3.1	3.3	3.4	4.3	6.0	8.2	9.4	9.4	10.0	10.0	10.6	10.5	10.3	10.8	10.8	10.1	10.3	10.0	10.0	10.2	
31	10.2	9.9	10.3	10.4	10.7	10.7	10.8	11.0	11.3	11.9	12.8	13.0	13.3	14.5	15.3	15.0	15.9	16.2	15.6	14.6	13.2	10.9	11.1	

MEAN	12.1	11.8	11.6	11.5	11.3	11.2	11.1	12.3	13.4	14.0	14.5	14.6	14.7	14.9	15.2	15.1	15.2	15.0	14.9	14.5	13.6	13.1	12.6	12.1
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MEAN DAILY WETBULB BASED ON HOURLY READINGS

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAN	13.8	18.4	18.0	17.9	17.0	19.0	17.2	13.8	9.7	9.4	11.5	14.6	14.6	18.4	16.4	14.5

MEAN DAILY WETBULB BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MEAN	14.4	19.0	14.9	14.7	15.2	13.6	12.1	10.8	7.6	4.7	3.6	7.6	10.1	8.1	12.4

