



Fisheries and Environment Canada

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Atmospheric Environment

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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS AUGUST / AOUT

1981

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

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: ALTITUDE: 239.6		METRES (ASL) MÉTRES (NMM)		STANDARD TIME USED: HEURE NORMALE UTILISÉE:								
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. PRÉCIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION AND DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION AND VITESSE MAXIMALE ET DIRECTION	
	°C	°C	°C	BASE 18.0°C	BASE 6.0°C	%	%		mm	cm	mm		km/h		km/h	
1	25.3	9.0	17.2	0.8	12.2	100	44				5.7	Calm	NNW13*	13.9		
2	26.0	15.2	20.6	0.0	15.6	92	49	1	2.0	2.0	7.9	ESE	N 20	8.4		
3	23.4	13.2	18.3	0.0	13.3	98	71		0.2	0.2	4.0	Calm	NNW13	2.5		
4	28.6	12.0	20.3	0.0	15.3	100	47	1			5.6	SSE	SSE13*	13.4		
5	21.4	17.2	19.3	0.0	14.3	96	81	1	56.6	56.6	12.4	N,NNW	NNW28	0.4		
6	25.5	15.4	20.5	0.0	15.5	96	43		10.0	10.0	23.5	NNW	N 41	8.3		
7	29.2	12.3	20.8	0.0	15.8	96	48	1	Tr.	Tr.	9.3	NW	NNW26	12.0		
8	22.6	11.3	17.0	1.0	12.0	96	53				18.0	N	NNE28	8.7		
9	23.3	9.6	16.5	1.5	11.5	95	43		0.2	0.2	13.7	NNE *	NNE26	11.8		
10	27.3	11.0	19.2	0.0	14.2	95	43				7.7	SSW, SW, WSW	S 13*	10.9		
11	32.2	16.0	24.1	0.0	19.1	92	26				10.9	WSW	W 20*	11.2		
12	26.3	13.0	19.7	0.0	14.7	94	36				11.3	ENE	ENE22	12.3		
13	32.3	14.4	23.4	0.0	18.4	90	39				12.8	S	SSW26	11.2		
14	24.6	11.5	18.1	0.0	13.1	89	42				15.2	N	N 26	12.7		
15	21.5	7.8	14.7	3.3	9.7	95	23				13.0	NNE, NE	ESE24	12.2		
16	23.1	8.0	15.6	2.4	10.6	90	38				10.0	S	SSE17*	13.3		
17	28.6	10.5	19.6	0.0	14.6	90	42	1	21.9	21.9	13.3	S	ENE33	7.0		
18	28.2	13.7	21.0	0.0	16.0	94	45		Tr.	Tr.	13.1	S	S 24	10.0		
19	28.9	15.7	22.3	0.0	17.3	79	43				22.2	S	S 30*	11.7		
20	28.0	16.7	22.4	0.0	17.4	83	55				15.2	SSE	E 24	10.7		
21	25.9	18.6	22.3	0.0	17.3	82	55				19.2	S,SSE	SSE33*	4.1		
22	27.9	14.8	21.4	0.0	16.4	94	56				6.7	S,SSE	N 17	5.9		
23	27.7	19.0	23.4	0.0	18.4	89	58		Tr.	Tr.	13.3	E	E 24	5.6		
24	28.0	19.0	23.5	0.0	18.5	89	56		0.2	0.2	17.6	E,SE	SE 24	7.2		
25	26.3	17.9	22.1	0.0	17.1	89	48				10.6	E	ESE17	4.7		
26	27.6	15.2	21.4	0.0	16.4	92	30				15.8	NE	NE 31*	11.9		
27	26.9	12.3	19.6	0.0	14.6	100	32				5.2	NE	NNE15	11.2		
28	27.3	13.0	20.2	0.0	15.2	81	32				15.8	S	S 30	12.7		
29	27.5	12.9	20.3	0.0	15.2	92	38				18.1	S	S 26	12.5		
30	30.7	16.2	23.5	0.0	18.5	92	42				25.3	S	SSE41	9.6		
31	22.2	8.5	15.4	2.6	10.4	95	76	1	12.5	12.5	24.0	NNW	N 46	0.0		
MEAN MOYENNE	26.6	13.6	20.1	TOTAL 11.6	TOTAL 468.6	92	46	TOTAL 6	TOTAL 103.6	TOTAL 103.6	13.4	PREVAILING DOMINANTE S	MAXIMUM N 46	TOTAL 288.0		
NORMAL NORMALE	25.0	12.2	18.7	37.5	423.4	92	47	6.0	73.7	73.7	17.1	S	51	276.2		

DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS									DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES:					DAYS WITH SNOWFALL: JOURS AVEC CHÔTE 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	11.6	47.8	37.5	TOTAL FOR MONTH TOTAL DU MOIS	468.6	370.0	423.4		8	5	5	4	1	0	0	0	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	26.9	57.5	58.4	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1507.2	1673.2	1462.4		8	5	5	4	1	0	0	0	0	0

UDC 551.506.1 () *Indicates more than one occurrence of same speed but not necessarily the same direction.

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Prix d'abonnement: mensuel \$1.00; annuel \$10.00 (janvier à décembre)
Aug. 17 - Unofficial report of hail in Wpg.

CLIMATOLOGICAL SUMMARY FOR AUGUST 1981

AT WINNIPEG, MANITOBA

This was the warmest August since 1969. The warmest day was 32.3° on the 13th while the coldest night was 7.8°C on the 15th. Rainfall was above normal with more than half of it falling on the 5th. A brief storm on the 17th resulted in some street flooding. Up to 64 mm fell in the southern part of the city. Sunshine with 288 hours was a little above normal while the average wind of 13.4 Km/h was below normal.

DAILY WEATHER SUMMARY FOR AUGUST 1981

AT WINNIPEG, MANITOBA

All Times Central Standard
Not Daylight

1. Below normal temperatures. Mostly sunny. Fog in morning. Light winds.
2. Above normal temperatures. Partly cloudy. Thunder 7:45 a.m. to 10:11 a.m. Showers 8:25 a.m. to 10:16 a.m. Mostly light winds but NNW gusts to 35 Km/h in morning.
3. Slightly below normal temperatures. Mostly cloudy. Rain 11:11 a.m. to 12:18 p.m. Showers 1:39 p.m. to 4:04 p.m. Light winds. Lightning in morning.
4. Slightly above normal temperatures. Mostly sunny. Fog in morning. Visibility reduced. Light winds except NNW gusts to 37 Km/h late evening. Thunder 11:12 p.m. continued.
5. Near normal temperatures. Cloudy. Thunder to 1:32 a.m., 10:29 a.m. to 1:08 p.m. Showers sometimes heavy 00:30 a.m. to 3:11 a.m., 8:27 a.m. to 4:52 p.m., 6:48 p.m. to 7:02 p.m. Drizzle or light rain 7:02 p.m. continued. Visibility restricted in heavy showers and fog late morning till late evening. Mostly light winds but NNW gusts to 41 Km/h in evening.
6. Above normal temperatures. Partly cloudy. Light rain or drizzle to 8:38 a.m. Showers 10:57 a.m. to 11:03 a.m. Light fog in morning. Visibility restricted. Moderate winds gusting to 65 Km/h in early afternoon.
7. Above normal temperatures. Sunny becoming cloudy late afternoon. Thunder 5:32 p.m. to 6:07 p.m. Showers 6:25 p.m. to 6:40 p.m. Mostly light winds but N gusts to 59 Km/h in evening.
8. Below normal temperatures. Partly cloudy. Haze or smoke 4:45 a.m. to 6:10 a.m. Visibility restricted. Mostly light winds but N gusts to 39 Km/h in evening.
9. Below normal temperatures. Mostly sunny. Showers 10:39 p.m. to 11:23 p.m. Mostly light winds but NNW gusts to 37 Km/h in afternoon.
10. Slightly above normal temperatures. Mostly sunny. Light winds. Haze and smoke aloft.
11. Warm. Mostly sunny. Mostly light winds but W gusts to 37 Km/h in afternoon. Smoke aloft. Forest fires near Lynn Lake and Fox Lake.
12. Above normal temperatures. Mostly sunny. Light winds. Smoke aloft from forest fires.
13. Warm. Mostly sunny. Smoke late morning. Visibilities restricted. Smoke aloft. Mostly light winds but SSW gusts to 41 Km/h in afternoon.
14. Slightly below normal temperatures. Mostly sunny. Mostly light winds but NNE gusts to 37 Km/h in afternoon. Smoke aloft but forest fires under control Lynn Lake and Fox Lake.
15. Below normal temperatures. Mostly sunny. Mostly light winds but E gusts to 35 Km/h in evening.
16. Below normal temperatures. Mostly sunny. Mostly light winds but SSW gusts to 31 Km/h in afternoon.
17. Above normal temperatures. Partly cloudy. Thunder 2:25 p.m. to 4:54 p.m. Showers 2:50 p.m. to 4:37 p.m. Visibilities reduced in showers. Mostly light winds but ENE gusts to 85 Km/h in afternoon. Precipitation variable from nil at Blumberg Golf Course and Whitehorse Plains to 63.5 mm at Glenlea and Elm Street. Wind damaged roofs, downed trees, hydro lines. About 300 flooded basements. Underpasses flooded. Cars stalled. Power outages for hours. Crops flattened at St. Adolphe. Hail moth ball size about 2 cm thick in parts of Winnipeg. Severe hail St. Adolphe. House hit by lightning N Winnipeg.
18. Above normal temperatures. Partly cloudy. Rain 2:10 p.m. to 2:35 p.m. Mostly light winds but S gusts to 37 Km/h late evening.
19. Warm. Mostly sunny. Moderate winds gusting to 52 Km/h in afternoon. Lightning late evening. At Hodgson, Manitoba, cows were killed by lightning.
20. Warm. Mostly sunny. Mostly light winds but S gusts to 3 Km/h early morning. Lightning in morning.
21. Warm. Partly cloudy. Mostly light winds but SSE gusts to 48 Km/h in morning.
22. Partly cloudy. Light winds. Smoke 5:21 a.m. to 06:15 a.m., 10:17 p.m. continued. Lightning late evening. Light fog and smoke in morning. Visibility restricted. Warm.
23. Warm. Partly cloudy. Showers 3:59 p.m. to 5:52 p.m. Smoke and light fog to 8:35 a.m. Smoke aloft from forest fires. Mostly light winds but ESE gusts to 41 Km/h in afternoon.
24. Warm. Partly cloudy. Showers 3:55 p.m. to 4:35 p.m. Haze late afternoon and evening. Smoke aloft. Mostly light winds but SE gusts to 46 Km/h in afternoon.
25. Warm. Partly cloudy. Light winds. Smoke aloft.
26. Warm. Sunny. Mostly light winds but NNE gusts to 50 Km/h in afternoon.
27. Above normal temperatures. Mostly sunny. Thick fog 4:33 a.m. to 7:12 a.m. Visibility severely restricted. Light fog till 8:00 a.m. Light winds. Haze aloft.
28. Above normal temperatures. Sunny. Haze in morning. Visibility restricted. Haze and smoke aloft. Mostly light winds but S gust to 43 Km/h in afternoon.
29. Above normal temperatures. Mostly sunny. Smoke 6:00 a.m. to 8:15 a.m. Visibility restricted. Mostly light winds but S gust to 39 Km/h in afternoon. Smoke and Haze aloft.
30. Warm. Partly cloudy. Moderate S winds gusting to S 57 Km/h in afternoon. Lightning in evening.
31. Below normal temperatures. Cloudy. Thunder 2:09 a.m. to 4:24 a.m. Showers sometimes heavy 1:52 a.m. to 5:26 a.m. Light rain or showers 6:10 a.m. to 6:50 p.m. Visibility restricted in rain and light fog. Moderate winds gusting to N 67 Km/h in afternoon.

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.	13.5	12.4	11.2	11.3	9.8	8.6	10.0	13.1	14.4	14.7	15.0	15.1	15.3	16.1	16.2	16.8	17.6	16.4	15.8	15.2	14.4	13.4	13.2	12.8
2.	13.3	13.3	13.7	14.0	13.5	13.5	14.5	15.0	14.7	15.5	16.6	17.3	18.1	17.1	18.1	18.2	18.2	18.2	17.9	18.2	17.4	16.8	16.1	15.0
3.	14.5	14.0	13.7	13.0	13.5	14.7	14.0	15.6	16.7	17.7	18.2	18.6	18.5	18.9	18.2	18.3	18.8	18.3	18.4	17.7	17.4	16.2	14.7	14.7
4.	13.9	14.0	13.9	12.4	12.3	12.0	12.8	15.9	17.1	18.3	18.5	19.1	19.0	19.4	19.7	19.7	20.0	20.3	20.4	20.3	19.8	19.7	19.5	19.1
5.	17.8	18.0	18.0	18.0	18.0	17.4	17.8	18.4	19.0	19.2	19.8	19.8	18.5	18.4	19.1	18.1	18.4	18.4	18.0	17.7	17.0	16.4	17.0	17.0
6.	16.9	16.8	16.8	16.6	16.8	17.0	17.0	17.1	17.6	18.0	18.3	19.2	18.5	17.7	17.5	16.0	17.0	17.0	17.2	16.5	16.4	15.1	14.4	13.7
7.	14.0	13.1	12.6	12.4	12.7	12.0	12.5	14.8	16.2	17.4	18.0	19.1	20.3	20.9	21.2	19.8	20.2	19.8	19.0	17.2	16.0	17.5	16.8	16.7
8.	16.2	15.2	14.4	14.2	13.9	14.9	16.0	16.4	16.8	16.1	16.0	17.3	16.0	16.0	15.5	15.6	14.7	14.3	14.0	14.3	13.7	12.3	11.4	10.8
9.	10.5	10.3	9.5	9.2	9.8	9.3	10.2	12.7	13.5	15.0	14.6	14.7	14.8	16.0	15.2	15.0	15.0	15.7	15.4	15.0	14.2	13.2	13.2	14.2
10	13.8	13.2	12.5	12.0	11.3	10.9	10.9	12.0	14.3	15.3	16.8	17.0	17.7	18.2	17.8	18.0	19.0	18.7	19.3	18.8	18.5	17.7	16.8	16.2
11	16.2	16.9	16.8	16.5	16.1	15.5	15.2	15.7	16.3	17.7	18.7	18.8	20.1	19.7	18.4	18.6	19.5	19.0	20.0	20.0	19.0	18.7	17.8	17.9
12	16.9	16.2	16.0	15.3	14.4	13.0	13.8	14.4	16.0	16.7	16.8	17.7	16.4	15.8	16.7	16.7	17.9	16.7	16.7	16.0	15.7	14.8	14.8	13.2
13	13.2	13.9	14.1	14.7	14.1	14.0	14.0	15.1	16.6	18.3	20.2	20.2	20.2	20.9	20.9	21.5	21.8	21.8	20.9	21.1	19.9	20.3	18.2	16.3
14	15.1	14.0	13.4	12.9	12.0	10.9	10.8	12.3	14.3	15.7	15.0	15.5	15.4	15.2	15.5	15.5	16.0	15.1	15.6	15.4	14.5	13.7	12.7	11.0
15	11.3	10.0	9.9	9.0	8.2	8.2	8.7	11.3	12.7	12.3	13.2	13.3	12.7	12.5	11.3	11.4	10.2	10.8	12.3	12.8	12.4	11.7	10.7	9.9
16	9.0	8.8	8.2	8.2	7.6	7.4	7.5	9.0	9.5	11.3	12.7	13.5	13.5	14.5	14.5	13.7	14.0	14.3	14.1	13.5	12.6	12.5	12.2	12.0
17	11.8	10.9	10.5	10.0	9.5	9.8	10.5	11.0	12.3	13.5	15.0	15.8	17.0	18.7	18.7	18.4	15.7	17.1	18.3	18.6	16.4	15.8	15.4	15.2
18	15.7	15.5	14.6	14.6	13.7	13.2	13.0	13.6	14.0	15.6	17.3	18.2	18.8	19.1	18.8	18.9	19.9	19.7	18.2	17.4	16.7	17.1	16.5	15.8
19	15.3	14.6	14.2	14.1	13.9	13.7	13.8	14.0	15.0	16.6	18.0	18.6	19.8	20.0	19.4	19.5	19.7	19.3	18.7	18.2	17.4	16.8	16.2	16.2
20	15.9	15.8	16.2	15.8	15.5	15.3	15.1	15.4	15.0	16.6	17.7	18.5	19.0	20.0	21.0	20.5	21.2	20.8	20.1	20.4	19.9	18.6	19.0	18.8
21	19.2	18.5	18.5	17.7	17.3	17.2	17.3	17.6	18.0	18.5	19.1	19.9	19.7	19.7	19.8	19.7	19.1	18.6	18.4	17.9	17.6	17.4	17.5	17.0
22	16.7	15.8	15.8	14.4	15.0	15.8	15.3	16.7	17.1	17.9	18.6	18.9	20.9	20.5	21.1	20.9	20.9	20.8	20.5	19.9	20.0	20.0	19.8	19.7
23	19.3	18.7	18.7	18.7	18.0	18.7	18.8	18.7	19.2	20.0	20.4	20.5	20.2	21.6	20.9	20.6	20.7	21.1	20.7	20.7	19.2	19.0	18.9	18.8
24	18.8	18.7	18.2	17.7	17.3	17.3	18.0	18.3	19.0	19.5	19.8	20.0	20.6	20.9	20.9	20.7	21.9	21.0	20.7	20.0	19.9	19.1	18.6	18.0
25	17.8	17.5	16.8	16.4	16.3	16.3	16.0	15.7	16.1	17.1	17.6	17.7	19.0	19.6	19.6	18.4	18.3	18.0	18.3	18.6	19.1	18.9	17.7	16.8
26	17.3	17.5	16.8	16.0	15.7	14.4	14.6	16.2	17.9	19.0	20.0	20.0	18.9	15.9	16.1	17.2	17.2	16.7	16.1	15.3	14.3	14.0	14.6	14.0
27	14.0	13.3	12.7	12.7	12.1	12.3	12.4	13.8	16.7	16.8	16.9	17.5	16.8	16.5	17.0	16.3	15.4	16.3	16.4	14.7	13.4	13.2	13.0	13.2
28	12.3	12.8	12.3	11.4	11.7	11.4	11.2	12.0	13.8	15.7	16.3	16.4	16.1	17.0	16.1	17.2	15.8	15.4	15.2	13.6	13.6	13.0	12.4	12.7
29	12.8	13.1	13.5	13.1	12.1	12.3	12.6	13.8	15.1	16.9	17.1	17.4	17.7	18.0	17.9	17.3	18.0	17.5	17.0	17.2	16.2	16.0	15.7	15.1
30	14.9	14.8	15.7	15.4	15.7	15.3	15.6	16.2	17.1	18.5	19.7	20.6	21.5	21.4	20.8	20.7	20.2	20.6	20.6	19.7	19.0	19.1	18.8	19.1
31	18.9	18.8	18.9	19.6	19.3	19.2	19.1	19.0	19.3	19.9	18.5	19.2	15.2	14.5	13.6	13.1	12.2	11.8	10.8	10.6	10.0	9.0	8.4	8.2
MEAN	15.1	14.7	14.5	14.1	13.8	13.6	13.8	14.8	15.9	16.8	17.4	17.9	17.9	18.1	18.0	17.8	17.9	17.7	17.6	17.2	16.5	16.0	15.5	15.1

