



Fisheries and Environment Canada

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Atmospheric Environment

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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS JUNE / JUIN

1981

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: CENTRAL 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			
	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		km/h		km/h				
1	21.9	8.8	15.4	2.6	10.4	70	30						22.8	ENE	NE 39	5.5			
2	24.2	4.8	14.5	3.5	9.5	77	20						15.0	NNE	NNE26	15.3			
3	27.5	5.6	16.6	1.4	11.6	73	19						8.3	SSW	SW 17	14.9			
4	22.9	10.5	16.7	1.3	11.7	94	40		8.8	8.8			18.0	SSW	WNW44	4.2			
5	24.1	10.5	17.3	0.7	12.3	95	28		Tr.	Tr.			20.0	WNW	NW 41	12.9			
6	24.5	9.3	16.9	1.1	11.9	82	38						10.8	SE, SW NW	ESE19*	10.4			
7	25.5	11.5	18.5	0.0	13.5	80	41		Tr.	Tr.			20.0	W	W 37	8.2			
8	20.5	9.8	15.2	2.8	10.2	88	44		4.8	4.8			13.2	NW	W 24	8.4			
9	20.2	5.7	13.0	5.0	8.0	95	39						14.1	NW	NW 33	13.1			
10	19.4	6.6	13.0	5.0	8.0	87	42		0.2	0.2			11.8	W, NW NNW	NW 37	9.8			
11	23.3	8.0	15.7	2.3	10.7	85	37						15.0	W	ENE20	12.7			
12	26.3	8.6	17.5	0.5	12.5	76	35		Tr.	Tr.			11.6	SSE	SSE20*	11.2			
13	19.0	14.0	16.5	1.5	11.5	100	64		11.3	11.3			21.3	ENE	ENE31	0.1			
14	17.4	13.8	15.6	2.4	10.6	98	81		3.1	3.1			11.5	NW, NNW	ENE24	0.0			
15	15.1	7.1	11.1	6.9	6.1	98	69		11.6	11.6			24.9	NNW, W	N 37	1.5			
16	25.5	4.7	15.1	2.9	10.1	95	32		0.2	0.2			14.9	SSW, W	W 35	13.6			
17	22.0	10.9	16.5	1.5	11.5	93	50		5.0	5.0			31.7	S	W 52	5.8			
18	16.9	8.2	12.6	5.4	7.6	95	37		5.6	5.6			34.5	NW	NW 56*	11.6			
19	21.7	6.5	14.1	3.9	9.1	89	42	1	Tr.	Tr.			14.2	S	S 30	11.3			
20	23.2	8.6	15.9	2.1	10.9	98	37						7.5	Cal m	NE 24	13.7			
21	22.3	5.8	14.1	3.9	9.1	95	41	1	3.7	3.7			13.8	ESE	ESE28*	7.3			
22	20.4	10.8	15.6	2.4	10.6	95	47	1	Tr.	Tr.			5.3	Cal m	WNW20	8.2			
23	19.2	10.7	15.0	3.0	10.0	94	71		6.9	6.9			14.0	SSE	SSE26*	1.5			
24	22.1	12.4	17.3	0.7	12.3	94	53	1	3.0	3.0			15.9	WNW	W 26	7.5			
25	22.0	10.3	16.2	1.8	11.2	93	45						22.2	W	NW 41	15.7			
26	25.4	9.9	17.7	0.3	12.7	98	44						9.8	SSE	SSE20	15.2			
27	27.3	17.1	22.2	0.0	17.2	93	61	1	7.0	7.0			23.5	S	S 43	5.7			
28	22.8	14.0	18.4	0.0	13.4	96	52	1	3.2	3.2			12.5	NE	WNW28	6.4			
29	23.6	10.5	17.1	0.9	12.1	96	40		7.4	7.4			9.0	WNW	WNW17*	14.5			
30	22.8	13.2	18.0	0.0	13.0	85	60	1	8.6	8.6			27.1	S	SSE41	7.3			
31																			
MEAN MOYENNE	22.3	9.6	16.0	TOTAL 65.8	TOTAL 329.3	90	45	TOTAL 7	TOTAL 90.4	TOTAL 90.4			16.5	PREVAILING DOMINANTE S	MAXIMUM NNW NW 56	TOTAL 273.5			
NORMAL NORMALE	22.7	10.3	16.5	75.5	345.8	88	45	5.3	80.3	Tr.	80.3		18.5	S	57	258.9			
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	65.8	74.2	75.5	TOTAL FOR MONTH TOTAL DU MOIS	329.3	356.0	345.8	16	14	14	2	0	0	0	0	0	0		
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	5401.8	5731.8	5887.4	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	564.0	824.5	582.1												

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

Subscription Price: \$1.00 monthly; \$10.00 per calendar year (January to December)
Prix d'abonnement: mensuel \$1.00; annuel \$10.00 (janvier à décembre)
Prevailing winds by KMS is NW

CLIMATOLOGICAL SUMMARY FOR JUNE 1981

AT WINNIPEG, MANITOBA

June was generally a normal month. Rainfall with 90.4 mm was a little above the normal of 80.3. The mean temperature was .5 of a degree below normal. Sunshine was a little above normal while the mean wind was 2 Km/h below normal. The high temperature for the month was 27.5 on the 3rd while the coldest night was 4.7 on the 16th.

DAILY WEATHER SUMMARY FOR JUNE 1981

AT WINNIPEG, MANITOBA

All Times Central Standard
Not Daylight

1. Slightly above normal temperatures. Partly cloudy. Mostly light winds but NE gust to 52 Km/h in afternoon.
2. Normal temperatures. Sunny. Mostly light winds but NNE gust to 41 Km/h in afternoon.
3. Slightly above normal temperatures. Sunny. Light winds.
4. Slightly above normal temperatures. Partly cloudy. Showers 11:04 a.m. to 3:19 p.m. 6:59 p.m. to 8:15 p.m. Mostly light winds but W gust to 63 Km/h in evening. Light fog in afternoon. Visibility restricted.
5. Slightly above normal temperatures. Mostly sunny. Showers 2:14 p.m. to 2:19 p.m. Moderate NW winds gusting to 61 Km/h in afternoon.
6. Slightly above normal temperatures. Sunny becoming cloudy late afternoon. Light winds.
7. Above normal temperatures. Partly cloudy. Moderate winds gusting to 63 Km/h in afternoon. Showers 00:35 a.m. to 00:42 a.m. 1:25 p.m. to 2:19 p.m.
8. Normal temperatures. Partly cloudy. Showers sometimes heavy 3:40 p.m. to 4:45 p.m. Mostly light winds but W gust to 63 Km/h in afternoon.
9. Below normal temperatures. Mostly sunny. Mostly light winds.
10. Below normal temperatures. Cloudy clearing mid afternoon. Showers 6:52 a.m. to 7:24 a.m. Mostly light winds but WNW gust to 50 Km/h in afternoon.
11. Slightly below normal temperatures. Mostly sunny. Light winds.
12. Slightly above normal temperatures. Sunny becoming cloudy late afternoon. Showers 7:18 p.m. to 7:40 p.m. Rain 10:43 p.m. to 11:53 p.m. Mostly light winds but S gust to 31 Km/h in evening.
13. Near normal temperatures. Cloudy. Rain 00:01 a.m. to 00:09 a.m. Showers 1:43 p.m. to 4:40 p.m. Rain 4:40 p.m. continued. Moderate winds gusting to 44 Km/h in afternoon.
14. Slightly below normal temperatures. Cloudy. Rain to 1:09 a.m. Drizzle 03:13 a.m. to 7:36 a.m. Showers 2:37 p.m. to 8:54 p.m. Drizzle 10:11 p.m. to 10:37 p.m. Rain 11:25 p.m. continued. Light winds. Light fog in morning and late evening.
15. Below normal temperatures. Mostly cloudy. Rain to 4:35 a.m. Drizzle 4:35 a.m. to 5:35 a.m. Rain 5:32 a.m. to 5:53 a.m. Drizzle or light rain 6:06 a.m. to 10:15 a.m. Showers 10:15 a.m. to 4:58 p.m. Rain or drizzle 4:58 p.m. to 9:48 p.m. Moderate winds gusting to 48 Km/h in evening. Fog in morning. Visibility restricted.
16. Below normal temperatures. Mostly sunny. Showers 10:56 p.m. to 11:57 p.m. Mostly light winds but W gust to 46 Km/h in afternoon.
17. Slightly below normal temperatures. Partly cloudy. Showers 0:09 a.m. to 4:11 a.m. 12:20 p.m. to 3:33 p.m. 10:33 p.m. to 11:42 p.m. Moderate winds gusting to 100 Km/h in afternoon. Hydro lines, trees knocked down by strong winds. Houses on Henderson Hwy hit by lightning.
18. Below normal temperatures. Cloudy clearing early afternoon. Showers 1:18 a.m. to 6:45 a.m. Light fog in morning. Visibility restricted. Moderate winds gusting to 81 Km/h in morning.
19. Below normal temperatures. Mostly sunny. Thunder 5:09 p.m. to 6:32 p.m. Showers 5:33 p.m. to 6:51 p.m. Mostly light winds but SW gust to 52 Km/h in afternoon.
20. Slightly below normal temperatures. Mostly sunny. Mostly light winds but NNE gust to 39 Km/h in afternoon.
21. Below normal temperatures. Partly cloudy. Thunder 1:58 p.m. to 2:28 p.m. Showers 12:50 p.m. to 4:10 p.m. 6:57 p.m. to 11:19 p.m. Mostly light winds but E gust to 54 Km/h in afternoon. Precipitation variable to 19 mm at Windsor Park.
22. Below normal temperatures. Partly cloudy. Thunder 1:15 p.m. to 2:07 p.m. Showers 1:30 p.m. to 2:37 p.m. Light winds.
23. Below normal temperatures. Mostly cloudy. Showers 10:16 a.m. to 12:09 p.m. 2:32 p.m. to 6:35 p.m. 8:08 p.m. to 11:55 p.m. Mostly light winds but SSE gust to 37 Km/h in morning.
24. Near normal temperatures. Partly cloudy. Thunder 3:53 p.m. to 8:08 p.m. Showers 1:50 a.m. to 2:20 a.m. 12:52 p.m. to 9:06 p.m. Lightning hit house at Moorgate St. St. James causing \$10,000 damage. Youth killed by lightning near Amaranth. Winds mostly light but WNW gust to 30 Km/h in afternoon.
25. Below normal temperatures. Mostly sunny. Moderate winds gusting to 56 Km/h in afternoon.
26. Slightly below normal temperatures. Mostly sunny. Light winds. Heavy fog in morning. Visibility severely restricted.
27. Above normal temperatures. Partly cloudy. Thunder 5:40 a.m. to 9:46 a.m. 5:15 p.m. to 6:07 p.m. Showers 5:45 a.m. to 12:08 p.m. 5:15 p.m. to 8:47 p.m. Moderate S winds gusting to 54 Km/h early afternoon. Unofficial report of funnel cloud at McGregor in morning. Hail reported morning and evening at Boissevain, St. Andrews, Niverville, St. Eustache, Grunthal, Blumenort. Some power outages.
28. Slightly below normal temperatures. Partly cloudy. Thunder 9:40 p.m. to 11:44 p.m. Showers 9:50 p.m. continued. Mostly light winds but S gust to 37 Km/h in evening. Point Du Bois reported high winds about 113 to 129 Km/h in evening. Cottages damaged.
29. Below normal temperatures. Sunny. Showers to 4:20 a.m. Light winds. Lightning in morning.
30. Slightly below normal temperatures. Cloudy clearing mid afternoon. Thunder 11:47 a.m. to 2:05 p.m. Showers 10:29 a.m. to 1:43 p.m. Moderate winds gusting to 61 Km/h in afternoon.

HOURLY METEOROLOGICAL TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JUNE

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.	7.2	6.5	5.8	5.5	5.4	5.0	5.5	7.0	8.0	8.7	10.0	11.0	12.2	12.5	12.7	12.6	11.7	11.5	10.9	9.8	8.3	7.8	8.4	7.3
2.	7.0	5.5	4.8	4.5	3.3	3.3	5.3	8.5	11.0	12.7	12.8	11.8	11.4	12.7	12.1	12.0	12.4	11.5	11.7	11.7	9.5	7.2	6.3	6.2
3.	5.8	4.5	4.6	5.0	4.2	3.6	6.0	9.3	10.4	11.1	11.8	12.3	13.0	13.1	13.2	14.7	13.8	14.0	13.2	13.5	12.3	11.5	10.5	10.9
4.	10.7	10.5	9.4	8.0	7.8	8.5	9.8	11.4	13.2	13.9	14.4	14.5	14.7	15.2	16.0	15.2	16.0	16.2	17.0	13.9	12.7	13.0	13.0	13.0
5.	12.5	11.3	10.8	10.6	10.3	10.2	10.7	12.0	12.3	13.3	15.1	14.8	15.0	14.9	14.3	14.4	13.2	12.8	12.7	12.5	11.9	11.0	10.1	9.8
6.	10.0	9.2	7.7	8.3	8.5	8.7	9.5	12.1	13.1	14.0	14.3	13.9	13.9	14.6	14.6	14.6	14.4	15.4	14.7	14.5	13.5	13.0	12.7	12.5
7.	12.3	12.0	12.3	12.3	12.2	12.5	12.9	14.2	15.2	16.1	16.1	16.8	17.1	15.7	16.2	15.5	14.8	14.7	15.2	14.5	13.0	11.8	11.2	9.8
8.	10.3	9.2	9.2	9.7	10.3	10.0	10.3	10.8	11.8	12.6	12.6	12.4	13.1	12.6	13.1	12.3	11.6	10.7	10.7	11.6	11.3	11.0	11.1	9.8
9.	9.3	8.7	8.0	7.6	5.8	6.8	7.9	11.4	12.5	12.5	12.1	12.9	13.1	12.6	12.2	11.7	12.4	11.5	12.5	11.5	11.0	10.6	9.4	8.9
10	8.0	7.7	7.2	6.7	6.2	6.0	6.7	7.2	8.0	8.6	9.1	10.0	10.5	10.9	11.6	11.0	11.0	11.8	11.3	10.7	10.0	9.7	8.7	8.7
11	9.1	8.8	8.3	7.0	7.1	7.4	8.4	10.0	11.0	11.4	12.2	12.3	13.1	14.0	13.5	12.7	13.2	12.8	13.0	12.4	11.4	10.6	9.8	9.2
12	9.1	8.1	7.7	6.7	6.4	6.7	7.8	9.4	11.0	12.2	13.1	14.0	14.8	15.0	16.0	16.0	15.0	15.0	15.2	14.8	14.7	14.2	14.5	14.8
13	14.2	14.1	14.1	13.9	13.8	13.4	13.4	13.6	13.6	14.5	14.5	14.5	15.0	15.4	15.6	15.5	15.3	15.0	14.8	14.4	14.3	14.5	14.2	13.9
14	13.8	13.5	13.5	13.7	13.9	14.0	14.1	14.2	14.0	14.3	14.5	14.6	15.0	14.7	15.1	15.0	15.4	14.8	14.8	14.3	14.2	14.0	13.8	14.0
15	13.9	13.6	12.8	12.5	12.1	11.7	11.6	11.9	12.0	12.7	12.5	12.0	11.2	10.5	11.3	9.5	8.4	8.8	9.0	8.4	8.2	8.2	8.3	7.4
16	6.8	6.3	6.4	5.8	4.9	4.4	6.9	8.8	10.3	12.0	13.2	15.5	16.4	17.2	14.5	14.7	14.7	14.7	14.5	15.0	14.7	13.9	13.2	13.1
17	14.1	14.0	13.3	12.9	12.6	12.2	12.3	13.0	13.0	14.3	14.0	14.3	14.5	13.2	11.0	11.2	13.3	11.0	11.3	12.3	11.7	11.2	11.3	11.5
18	10.7	8.7	8.9	8.1	8.5	8.7	8.5	8.8	8.7	9.0	9.8	10.0	10.2	10.4	10.3	9.1	9.2	9.4	9.8	9.8	9.9	8.8	8.0	8.0
19	7.0	7.0	6.6	6.4	6.4	5.4	6.6	9.0	10.7	12.2	13.0	12.7	13.3	12.0	12.5	12.7	13.3	12.8	12.0	12.0	11.8	11.7	10.5	11.0
20	10.6	9.5	8.3	8.9	8.8	8.9	9.8	11.0	12.0	12.7	13.5	13.8	13.8	13.6	13.2	13.9	13.5	13.6	13.3	12.7	12.0	11.0	10.1	10.2
21	9.9	8.4	6.7	6.7	5.6	6.5	8.8	10.2	12.0	13.0	13.2	14.4	13.8	14.0	12.5	11.8	13.1	14.1	13.7	13.6	13.2	12.8	12.1	12.0
22	12.0	11.3	11.2	11.0	10.6	10.6	11.5	12.4	12.0	12.7	13.4	14.3	14.4	14.0	12.2	12.6	13.2	13.6	13.0	13.0	13.5	12.0	11.5	12.0
23	12.1	11.4	10.4	9.9	10.3	10.0	10.8	12.2	12.9	13.9	13.9	14.0	13.8	15.0	16.0	15.1	15.2	15.8	14.7	14.6	14.6	14.5	14.4	14.5
24	14.0	13.0	12.7	12.4	12.0	12.0	11.9	12.6	14.0	14.7	14.7	15.1	15.9	14.8	15.1	15.4	15.2	14.5	14.4	13.6	13.6	13.1	12.2	12.0
25	11.7	11.8	10.9	10.5	9.8	10.1	11.0	13.1	14.4	14.6	14.1	14.0	15.0	14.3	15.0	14.9	14.2	14.5	14.9	14.2	13.8	12.6	11.7	11.2
26	11.0	10.9	10.8	10.2	10.7	9.9	11.8	13.6	14.8	15.0	15.6	15.9	16.0	16.0	16.8	17.5	16.8	16.8	16.8	16.8	16.0	15.4	14.7	14.4
27	14.4	14.2	14.0	14.0	14.1	14.2	14.7	15.3	16.0	16.4	17.8	18.3	18.2	19.1	20.3	21.7	21.7	21.8	22.0	21.4	18.6	19.4	17.7	18.0
28	18.5	17.5	17.4	17.0	15.0	14.7	14.5	14.1	13.9	14.9	15.9	16.3	17.3	15.7	15.7	14.5	15.0	15.4	15.1	15.8	14.6	12.7	13.8	13.3
29	13.7	13.0	12.7	12.7	11.9	11.8	11.6	13.1	13.9	15.2	14.9	14.8	14.9	15.1	15.6	15.9	15.3	14.9	15.2	15.6	15.5	13.9	13.5	13.2
30	12.8	12.7	12.8	12.5	12.3	12.0	12.7	13.9	15.4	14.8	15.6	15.3	15.4	15.6	15.6	16.6	17.5	17.8	17.8	17.7	17.4	17.0	17.0	16.7
MEAN	11.1	10.4	10.0	9.7	9.4	9.3	10.1	11.4	12.3	13.1	13.6	13.9	14.2	14.1	14.1	14.0	14.0	13.9	13.9	13.6	12.9	12.3	11.8	11.6

