



MONTHLY METEOROLOGICAL SUMMARY / SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

OCTOBER / OCTOBRE 19 87

MONTH/MOIS

AT/A WINNIPEG INT'L AIRPORT / 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: CENTRAL									
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS			REL. HUMIDITY HUMIDITÉ REL.		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	COOLING DE RÉFRIGÉRATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE	THUNDERSTORM ORAGE	RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)		TOTAL PRECIP. PRÉCIP. TOTALE	AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DIRECTION DOMINANTE		MAX 2 MIN MEAN SPEED & DIRECTION VITESSE MOYENNE MAX SUR 2 MIN & DIRECTION
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	BASE 18.0°C	%	%		mm	cm	mm	cm	km/h		km/h	
1	15.9	2.3	9.1	8.9	4.1		85	51		2.0		2.0		34.9	N	NNW63*	6.2
2	9.7	-3.3	3.2	14.8			82	44						10.8	NNW	N 24	8.4
3	23.1	3.0	13.1	4.9	8.1		58	28						22.0	S	S 30*	9.9
4	21.0	7.3	14.2	3.8	9.2		98	38		15.0		15.0		26.4	W	W 48*	5.2
5	11.4	2.4	6.9	11.1	1.9		95	76		1.5		1.5		35.9	NNW	NNW48*	0.0
6	8.4	-2.1	3.2	14.8			90	51			TR.	TR.		17.0	N	N 28*	9.7
7	4.4	-2.1	1.2	16.8			90	72			0.4	0.4		11.9	ESE	ESE19*	1.2
8	5.5	-2.2	1.7	16.3			100	75		1.4	2.0	3.4		23.0	ESE	N 46	0.0
9	1.7	-4.8	-1.6	19.6			92	68			0.2	0.2	TR	22.3	NNW	N 43	1.1
10	6.0	-7.3	-0.7	18.7			89	47					TR	13.1	W	W 19*	8.2
11	12.0	-1.6	5.2	12.8	0.2		94	41						11.8	SSW	NNW22	10.0
12	16.6	-0.5	8.1	9.9	3.1		97	33						17.9	S	S 31	7.8
13	16.2	3.7	10.0	8.0	5.0		73	28						22.7	W	WNW33	7.4
14	9.0	-1.7	3.7	14.3			81	38						10.7	W	WNW19	9.3
15	11.8	-2.7	4.6	13.4			86	41		TR.		TR.		11.3	E	SE 20	3.7
16	12.1	-0.6	5.8	12.2	0.8		91	45		TR.		TR.		10.2	NNE	NNE20	7.6
17	10.7	-2.9	3.9	14.1			97	53		0.6		0.6		15.0	S	S 28	1.1
18	7.5	-0.8	3.4	14.6			87	51		TR.		TR.		16.9	W	NW 30	6.4
19	4.7	-3.2	0.8	17.2			97	54			TR.	TR.		16.2	W	NW 26	4.0
20	3.7	-6.6	-1.5	19.5			96	53			TR.	TR.	TR	17.4	N	N 30	5.4
21	1.0	-9.0	-4.0	22.0			98	57			1.8	1.6		10.6	S	S 20*	0.0
22	2.8	-10.3	-3.8	21.8			99	67			TR.	TR.	02	5.0	CALM	E 11*	2.0
23	0.5	-4.4	-2.0	20.0			100	87			6.0	6.0	TR	11.0	S	S 19	0.0
24	-0.2	-10.5	-5.4	23.4			100	91		TR.	TR.	TR.	04	11.6	S	S 37	0.0
25	7.2	-2.3	2.5	15.5			94	74					03	27.0	S	S 33*	9.0
26	10.2	0.6	5.4	12.6	0.4		96	43		2.7		2.7		22.3	NW	NW 41	7.5
27	5.0	-3.5	0.8	17.2			88	46						20.2	NW	NW 33*	9.6
28	12.0	-3.6	4.2	13.8			88	36						9.1	S	S 15*	8.1
29	14.7	-1.1	6.8	11.2	1.8		88	45						18.0	S	S 24*	3.4
30	3.3	-1.9	0.7	17.3			92	73						10.0	N	N 19	0.2
31	14.2	-0.6	6.8	11.2	1.8		93	46						18.3	S	S 24*	6.5
MEAN MOYENNE	9.1	-2.3	3.4	TOTAL 451.7	TOTAL 36.4	TOTAL	91	53	TOT	TOTAL 23.2	TOTAL 10.4	TOTAL 33.4		17.1	PREVAILING DIRECTION DOMINANTE S	MAXIMALE NNW63	TOTAL 158.9
NORMAL NORMALE	11.5	0.7	6.1	369.6	82.1	0.5				25.9	5.2	30.9		19.6	S		151.5

UDC 551.506.1 ()

Note/AVIS

1. Climatological Day/Journée climatologique 00 01 C S.T. - 00 00 C S.T.
2. Normal/Normale 1951-1980
3. TR = Trace
4. M = Missing/Manquant
5. No entry/Pas de valeur = No occurrence/Pas d'événement
6. * Indicates first of more than one prevailing direction and/or maximum 2 minute mean speed (see page 4)/Indique la première de plusieurs des directions dominantes et/ou la vitesse moyenne maximale sur 2 minutes (voir page 4).
7. C = Calm/Calmé
8. Price: single issue \$2.65; annual (Jan. to Dec.) \$26.25/Prix: numéro individuel \$2.65; annuel \$26.25 (jan. à dec.)



Date	WINNIPEG INTERNATIONAL AIRPORT AEROPORT INTERN. DE WINNIPEG										OCTOBER OCTOBRE										Page 3.			
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19		20	21	22
1	146	144	150	142	135	130	132	120	132	137	88	100	96	87	76	83	77	59	49	43	42	38	33	26
2	28	8	-16	-10	-23	-21	-32	-32	-1	34	42	55	53	81	85	84	94	91	92	84	79	76	74	70
3	63	58	53	45	38	33	31	33	47	75	110	135	155	186	206	223	229	216	191	179	162	153	134	104
4	109	90	89	73	80	78	85	105	161	164	203	202	195	190	178	151	132	109	105	105	104	103	102	101
5	108	113	101	82	77	73	71	71	70	72	72	71	57	56	53	57	63	60	59	55	55	50	41	31
6	42	42	36	36	37	25	7	8	24	39	51	57	59	60	76	81	77	73	54	10	-7	-3	-9	-20
7	-21	-2	-10	-18	-5	5	8	10	10	9	17	18	23	30	33	36	42	35	26	28	18	20	13	17
8	12	16	13	11	16	19	20	21	29	31	37	38	37	41	45	47	51	46	37	22	7	1	-9	-15
9	-20	-22	-19	-21	-24	-24	-23	-20	-16	-11	-7	-5	-5	0	11	9	9	9	3	-1	-14	-25	-33	-36
10	-44	-46	-52	-57	-64	-69	-72	-73	-61	-41	-24	3	22	35	44	44	56	51	32	30	31	25	26	26
11	28	23	19	15	2	-1	-10	-16	-5	22	46	66	91	115	110	110	100	82	48	19	-1	-4	-9	-9
12	-2	0	-3	0	-3	4	5	12	29	43	71	98	121	142	156	160	161	152	138	114	122	121	109	98
13	87	89	92	97	106	108	104	108	106	123	126	125	134	147	153	157	154	143	122	106	88	99	90	67
14	37	20	15	19	7	6	-2	-7	-2	29	54	65	69	76	82	86	84	70	40	22	19	-2	-1	-10
15	-2	-1	-14	-4	-23	-3	-16	-16	-13	42	55	87	102	98	107	109	106	99	95	93	88	82	80	75
16	66	62	46	50	53	40	40	32	44	54	71	92	100	112	116	114	109	94	49	42	32	18	0	3
17	10	10	2	9	4	-12	-13	-28	-16	15	51	70	77	94	97	105	89	47	39	43	42	41	52	34
18	35	33	35	35	30	22	22	10	19	33	46	65	52	64	66	65	36	26	31	28	36	36	12	2
19	-8	0	-12	-23	-29	-32	-30	-25	-21	1	28	30	44	18	36	16	22	20	15	10	11	1	-6	-12
20	-16	0	0	-7	-4	3	-2	-6	-12	-8	5	20	20	14	26	17	20	8	-10	-20	-21	-42	-52	-62
21	-66	-70	-75	-76	-90	-86	-83	-82	-67	-51	-41	-30	-18	-8	5	10	6	6	4	-15	-15	-16	-14	-14
22	-17	-25	-69	-77	-103	-98	-101	-91	-76	-34	-17	20	19	20	21	15	14	10	0	-3	0	0	2	2
23	1	-5	-7	-5	-6	-8	-10	-11	-9	-1	-3	0	0	1	2	2	3	4	4	2	1	-30	-34	-44
24	-43	-47	-50	-67	-71	-87	-89	-90	-52	-32	-24	-24	-22	-27	-20	-16	-16	-10	-10	-9	-9	-14	-16	-19
25	-17	-20	-20	-20	-20	-20	-21	-20	-16	-6	3	10	18	32	50	64	68	66	50	53	54	54	54	51
26	56	54	45	43	44	50	50	46	49	45	68	75	85	88	95	98	95	59	64	47	47	29	28	8
27	15	20	24	25	22	4	-2	-6	1	12	24	32	39	34	30	36	26	4	-24	-13	-33	-25	-16	-16
28	-35	-14	-10	-6	-1	-4	-2	-6	-12	12	27	71	95	101	108	114	108	94	70	54	53	27	39	44
29	37	38	41	39	36	29	20	20	24	31	42	70	101	128	133	142	141	128	97	67	46	33	22	9
30	-11	-9	-13	-9	-12	-5	4	5	9	13	17	19	20	26	23	28	32	15	1	4	-14	-6	3	-3
31	-6	7	4	1	7	14	11	9	16	27	45	80	101	122	130	131	142	122	112	112	98	89	78	73

Note/Avis: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.
 2. Hours are C.S.T./Les heures sont a l'heure normale de la localite
 3. Unit/Unite = 0.1°C

CLIMATOLOGICAL SUMMARY FOR OCTOBER 1987**AT WINNIPEG, MANITOBA**

The monthly mean temperature was the most below normal of any of the Prairie cities. The normal is 6.1°C but this year we were only 3.4°C. Extremes for the month were 23.1°C on the 3rd and -10.5°C on the 24th.

Total precipitation was only slightly above normal (33.4 compared to 30.9 mm) but one third of this was snow. We received exactly twice our normal snowfall - 10.4 cm versus 5.2 cm and our first significant snowfall of greater than 2 cm occurred on October 23rd. This is much earlier than the normal date of November 2nd.

Sunshine was only slightly above normal and winds were slightly below normal, on average, in spite of some very strong winds earlier in the month. On October 1st there were strong north winds which peaked at 96 km/h causing some minor damage to buildings.

DAILY WEATHER SUMMARY FOR OCTOBER 1987**AT WINNIPEG, MANITOBA**

1. Cloudy with a few rain showers. Temperatures slightly above normal. Winds light, becoming strong with gale force gusts becoming moderate in the evening.
2. Sunny with some cloudy periods in the late afternoon. Temperatures below normal. Winds light.
3. Sunny. Temperatures above normal. Winds moderate with strong gusts becoming light in the evening.
4. Sunny becoming cloudy in the afternoon with light rain, drizzle and fog. Temperatures above normal. Winds light becoming strong with gale force gusts.
5. Cloudy with light rain, drizzle and fog. Temperatures below normal. Winds moderate to strong with gusts and a few gale force gusts in the morning.
6. Cloudy becoming sunny in the afternoon. Temperatures below normal. Winds light becoming moderate with gusts to light in the evening.
7. Mostly cloudy with light snow showers. Temperatures below normal. Winds light.
8. Cloudy with light rain and snow. Temperatures below normal. Winds moderate with gusts becoming strong with gusts and a few gale force gusts in the evening.
9. Cloudy. Temperatures below normal. Winds strong with gusts becoming moderate to light in the evening.
10. Sunny. Temperatures below normal. Winds light.
11. Sunny. Temperatures below normal. Winds light with gusts.
12. Sunny. Temperatures above normal. Winds light becoming moderate with gusts.
13. Sunny. Temperatures above normal. Winds moderate with gusts.
14. Sunny. Temperatures below normal. Winds light.
15. Sunny becoming cloudy in the afternoon. Temperatures below normal. Winds light.
16. Cloudy becoming sunny in the late morning. Temperatures near normal. Winds light.
17. Sunny becoming cloudy late morning. Temperatures below normal. Winds light.
18. Cloudy with a few sunny periods. Temperatures below normal. Winds light becoming moderate with gusts near noon to light in the late afternoon.
19. Sunny with some cloudy periods. Temperatures below normal. Winds light.
20. Cloudy becoming sunny late morning. Temperatures below normal. Winds light becoming moderate to light in the evening.
21. Sunny becoming cloudy by noon. Light snow in the evening. Temperatures below normal. Winds light.
22. Mainly cloudy with some sunny periods in the morning. Temperatures below normal. Winds light.
23. Cloudy with light snow. Temperatures below normal. Winds light.
24. Cloudy with light freezing drizzle, light snow grains and fog. Temperatures below normal. Winds light becoming moderate with some gusts in the late afternoon.
25. Mainly sunny, cloudy in the evening. Temperatures below normal. Winds moderate with gusts.
26. Cloudy becoming sunny in the morning. Temperatures above normal. Winds moderate with strong gusts becoming light in the late afternoon.
27. Mainly sunny. Temperatures below normal. Winds moderate with strong gusts becoming light in the evening.
28. Mainly sunny. Temperatures above normal. Winds light.
29. Cloudy with some sunny periods. Temperatures above normal. Winds light becoming moderate with gusts.
30. Cloudy. Temperatures below normal. Winds light.
31. Sunny. Temperatures above normal. Winds light to moderate with a few gusts.