



Environment Canada

Environnement Canada

Atmospheric Environment Service

Service de l'environnement atmosphérique

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

SEPTEMBER / SEPTEMBRE

19 87

AT/A

WINNIPEG INT'L AIRPORT / AÉROPORT INTERN. DE WINNIPEG

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION ALTITUDE: 239.6		METRES (ASL) MÉTRES (NMM)		STANDARD TIME USED: 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 HOURS HEURES			
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	COOLING DE REFRIGÉRATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. 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	km/h		km/h						
1	19.9	10.7	15.3	2.7	10.3		89	49	TR.		TR.	19.8	N	N 30*	6.1					
2	23.9	7.9	15.9	2.1	10.9		97	44				19.8	S	S 31*	4.7					
3	26.0	16.7	21.4		16.4	3.4	79	54	TR.		TR.	23.9	S	SSE37	5.3					
4	22.7	13.8	18.3		13.3	0.3	86	50		0.4	0.4	12.4	W	WNW22*	5.7					
5	20.2	12.4	16.3	1.7	11.3		90	48				6.3	NNE	NNE11*	4.3					
6	25.7	10.9	18.3		13.3	0.3	91	44				15.5	S	S 31	7.9					
7	19.6	9.8	14.7	3.3	9.7		86	46				13.1	W	WNW20	10.7					
8	21.4	3.0	12.2	5.8	7.2		83	27				9.8	SW	SSW20	11.2					
9	20.2	6.0	13.1	4.9	8.1		91	43		0.2	0.2	9.6	W	W 15*	8.1					
10	17.5	8.8	13.2	4.8	8.2		98	60		2.6	2.6	12.1	N	N 24	4.1					
11	16.2	8.1	12.2	5.8	7.2		97	64		0.6	0.6	13.6	NW	NNW26	4.8					
12	15.0	6.0	10.5	7.5	5.5		100	61		3.0	3.0	6.7	NW	NW 11*	3.9					
13	20.3	1.4	10.9	7.1	5.9		100	46				5.7	S	SSW13	7.3					
14	29.3	9.1	19.2		14.2	1.2	91	36				15.7	S	S 24	9.9					
15	26.1	9.3	17.7	0.3	12.7		95	37				11.9	NE	E 19	10.8					
16	23.1	13.2	18.2		13.2	0.2	70	50	1	TR.	TR.	11.8	ESE	SE 24	1.5					
17	17.4	12.3	14.9	3.1	9.9		96	58	1	TR.	TR.	9.5	W	N 19	0.0					
18	17.2	9.8	13.5	4.5	8.5		98	81		0.4	0.4	8.1	N	N 19	0.0					
19	17.2	7.1	12.2	5.8	7.2		98	58				14.0	NNE	NNE22*	4.3					
20	20.9	4.4	12.7	5.3	7.7		97	36				14.8	NNE	NNE26	8.5					
21	21.6	5.0	13.3	4.7	8.3		100	38				5.8	WNW	W 13	7.8					
22	28.0	6.4	17.2	0.8	12.2		82	26				13.9	SW	SW 20	10.9					
23	17.9	8.0	13.0	5.0	8.0		80	42				16.8	N	NE 28	11.3					
24	16.1	3.9	10.0	8.0	5.0		97	31		2.8	2.8	8.9	NNE	NNE17	10.6					
25	19.8	0.6	10.2	7.8	5.2		93	38				5.5	WSW	WSW09*	11.3					
26	22.9	4.9	13.9	4.1	8.9		75	31				12.8	ESE	ESE24*	9.4					
27	18.4	5.8	12.1	5.9	7.1		87	54		0.2	0.2	11.6	N	NNE24	1.1					
28	18.2	7.2	12.7	5.3	7.7		91	61	1	9.8	9.8	18.8	N	N 30*	1.9					
29	20.0	3.6	11.8	6.2	6.8		93	33		TR.	TR.	19.4	NW	NW 35*	7.1					
30	16.1	-1.4	7.4	10.6	2.4		88	43		TR.	TR.	16.0	S	S 30*	2.2					
MEAN MOYENNE	20.6	7.5	14.1	TOTAL 123.1	TOTAL 272.3	TOTAL 5.4	91	46	TOT 3	TOTAL 20.0	TOTAL 20.0	12.8	PREVAILING DIRECTION DOMINANTE S	MAXIMALE SSE37	TOTAL 192.7					
NORMAL NORMALE	18.4	6.3	12.4	178.1	223.8	8.7			3	53.0	0.2	53.3	S		184.6					
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 ANNEE EN COURS	PREVIOUS YEAR ANNEE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 5°C AU-DESSUS DE 5°C	THIS YEAR ANNEE EN COURS	PREVIOUS YEAR ANNEE PRÉCÉDENTE	NORMAL NORMALE	mm					cm							
								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	123.1	188.8	178.1	TOTAL FOR MONTH TOTAL DU MOIS	272.3	201.6	223.8	9	4	4	0	0	0	0	0	0	0			
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET	189.6	252.1	242.5	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL	1986.5	1718.6	1697.4													

UDC 551.506.1 ()

Note/AVIS

- Climatological Day/Journée climatologique 00 01 C S.T. - 00 00 C S.T.
- Normal/Normale 1951-1980
- TR = Trace
- M = Missing/Manquant
- No entry/Pas de valeur = No occurrence/Pas d'événement
- * 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).
- C = Calm/Calmé
- Price: single issue \$2.65 annual (Jan. to Dec.)\$26.25/Prix: numéro individuel\$2.65; annuel\$26.25(jan. à déc.)



WINNIPEG INTERNATIONAL AIRPORT
AEROPORT INTERN. DE WINNIPEG

DRY-BULB TEMPERATURES AT:
TEMPERATURES DU THERMOMETRE SEC A:

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	141	140	137	121	118	120	130	131	131	140	152	159	169	180	181	179	182	169	160	149	144	128	116	112
2	108	97	80	80	79	86	90	97	108	132	154	165	171	179	201	215	223	216	216	200	188	184	183	177
3	176	174	187	184	176	171	167	172	174	169	192	219	231	249	254	235	226	239	239	218	200	200	205	198
4	199	198	186	166	158	154	152	139	143	147	170	197	206	200	206	214	220	210	202	174	170	167	166	154
5	157	149	143	143	145	133	133	131	140	142	154	165	184	181	189	183	194	185	176	162	155	156	149	137
6	124	127	124	129	116	109	112	110	138	174	204	213	237	248	246	248	252	242	248	215	187	176	161	147
7	145	138	125	116	117	112	102	102	131	150	166	170	173	191	178	189	178	181	173	155	139	110	113	111
8	102	89	72	59	44	39	39	47	84	106	141	164	183	193	207	209	204	201	191	158	132	113	108	93
9	79	66	66	70	68	76	71	73	108	140	166	175	179	187	197	188	184	178	173	163	150	146	135	128
10	127	120	119	112	109	104	104	92	105	125	148	153	150	146	163	162	126	139	137	119	115	116	110	102
11	92	89	85	96	86	87	83	86	94	120	128	141	129	142	148	150	138	128	124	112	103	103	104	101
12	101	100	98	97	95	91	90	91	97	104	113	118	120	128	128	128	145	142	134	106	93	80	83	64
13	64	44	49	38	20	14	18	38	68	105	117	136	156	171	189	180	191	190	178	157	132	120	110	106
14	115	112	110	97	94	92	91	97	120	144	176	200	218	253	270	287	288	281	259	199	154	140	125	117
15	114	116	109	95	112	108	103	107	137	168	203	223	235	245	252	253	251	244	218	188	168	156	165	165
16	166	157	146	142	148	138	142	138	151	164	205	225	222	226	214	212	227	220	204	202	200	177	176	146
17	170	163	154	158	147	131	129	132	142	140	151	159	163	166	149	152	151	153	149	142	138	134	131	138
18	129	131	130	128	118	122	125	119	132	135	142	146	141	153	158	156	162	160	150	138	124	99	114	124
19	118	92	102	106	104	107	109	107	113	130	136	139	145	154	158	156	162	154	139	95	84	80	101	78
20	71	67	55	57	59	46	49	66	106	118	150	171	184	190	185	194	190	189	190	163	156	152	147	140
21	134	116	102	98	88	73	64	62	84	130	174	190	190	198	210	208	202	194	182	162	142	136	128	114
22	109	111	101	90	90	84	64	75	112	151	187	220	244	260	271	276	274	267	255	224	217	204	186	175
23	162	155	125	118	136	132	115	113	124	144	154	160	165	169	174	169	170	156	142	128	119	102	101	95
24	84	83	89	86	83	86	81	85	89	106	123	135	144	142	151	155	152	147	135	106	63	58	39	44
25	43	55	44	44	40	19	9	16	58	100	126	142	155	173	182	185	191	185	167	121	102	98	94	98
26	76	80	84	70	74	62	66	49	109	142	161	188	205	216	218	224	215	205	195	166	154	152	154	131
27	127	79	64	58	63	70	62	69	98	116	146	174	175	178	178	182	172	176	170	131	148	127	125	126
28	126	127	130	130	125	123	120	118	117	115	118	114	123	132	139	149	180	173	137	117	101	84	85	93
29	78	60	62	70	65	75	80	78	94	127	156	178	189	190	188	176	160	154	138	100	77	66	48	44
30	36	43	20	24	9	4	2	-12	44	82	100	112	122	140	144	146	150	152	142	141	141	149	148	136

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 C.S.T.
 3. Unit/Unité = 0.1°C

HOURLY DEW POINT TEMPERATURE AT: WINNIPEG INTERNATIONAL AIRPORT
TEMPERATURE DE ROSEE HORAIRE A: AEROPORT INTERN. DE WINNIPEG

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	93	103	103	101	99	103	111	111	74	92	84	78	72	78	71	83	92	94	92	93	102	100	91	90
2	88	79	69	73	71	81	84	87	90	97	100	101	95	97	92	91	96	90	93	87	86	86	92	95
3	94	95	100	102	105	108	110	116	125	135	137	141	143	151	153	149	158	167	166	166	163	161	160	156
4	144	94	83	81	85	89	94	115	117	122	126	128	125	122	124	132	131	125	123	121	120	120	122	126
5	118	116	117	119	121	120	117	115	99	91	88	81	89	81	86	81	85	74	83	88	90	90	95	86
6	81	81	82	81	81	81	81	82	97	114	121	117	117	118	119	127	123	128	130	122	128	130	134	130
7	126	108	91	81	84	85	78	75	96	107	107	98	87	89	79	74	68	62	74	58	54	56	48	41
8	41	37	31	27	18	15	15	16	29	38	54	54	51	31	7	18	23	24	35	51	65	64	61	58
9	51	50	50	54	54	60	51	51	71	75	80	75	54	64	67	62	75	67	66	63	73	76	91	96
10	111	108	108	103	101	99	98	87	90	104	91	92	84	96	86	86	98	101	103	94	93	93	92	88
11	82	82	81	88	81	83	79	80	86	83	88	87	103	80	79	92	105	107	98	98	92	89	89	88
12	94	94	93	94	92	89	86	86	87	88	82	80	71	80	84	76	78	64	73	86	75	66	74	55
13	58	35	49	38	20	14	18	38	68	86	89	94	92	79	73	76	69	75	74	73	73	71	70	68
14	70	72	71	69	68	67	66	77	78	90	103	106	113	122	127	130	122	123	132	126	120	115	109	100
15	97	92	90	81	98	95	94	97	110	110	105	97	90	92	90	99	95	102	116	108	111	113	103	88
16	72	75	77	79	82	81	84	87	94	98	122	122	122	126	131	137	126	128	133	115	91	90	88	86
17	83	82	84	86	86	88	88	97	106	101	124	131	135	133	134	137	137	138	132	129	127	123	123	122
18	123	126	125	124	115	118	120	116	122	122	122	119	125	138	133	139	126	125	122	120	115	95	106	103
19	103	86	96	100	102	102	104	101	97	94	86	68	79	91	81	74	76	73	79	67	54	66	61	54
20	50	52	45	49	53	39	46	61	92	102	115	108	108	87	64	40	74	79	69	78	88	92	99	104
21	108	90	86	89	86	68	64	61	81	103	99	92	80	74	71	62	62	70	80	76	68	63	60	61
22	59	54	50	47	44	42	37	45	56	70	83	90	80	68	61	65	71	71	73	68	66	61	59	57
23	61	61	60	74	93	92	80	73	79	61	39	59	61	42	47	59	52	67	63	55	54	48	52	27
24	25	31	48	68	74	79	73	69	67	75	48	28	23	8	23	12	-17	1	13	-11	0	7	3	6
25	7	17	31	27	20	9	0	1	33	42	22	34	26	27	37	52	47	43	54	47	42	47	45	39
26	41	38	31	25	20	15	13	10	48	47	47	45	47	50	44	47	39	36	41	39	49	50	46	44
27	44	36	31	34	38	44	39	52	68	73	83	97	92	92	85	85	85	83	80	75	73	78	88	89
28	93	87	88	92	96	98	96	97	97	101	101	104	98	103	100	120	103	99	71	65	55	46	41	34
29	49	32	31	44	53	53	63	64	72	93	95	83	66	47	24	13	6	10	8	2	-3	-12	-18	-11
30	-14	-2	-14	-20	-21	-21	-21	-21	13	31	43	42	39	37	27	23	29	28	30	28	31	25	47	64

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3. Unit/Unite = 0.1°C

Reflecting the trend across the Prairies, Winnipeg had a mean temperature of 14.1°C, some 1.7 degrees above normal. Extremes for the month were 29.3°C on the 14th and -1.4°C on the 30th. It was very dry with only 20.0 mm of rain compared to the normal 53.0 mm.

The winds were quite light, averaging only 12.8 km/h - about 25% below normal. Sunshine was only slightly above the mean.

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

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