

DAILY WEATHER SUMMARY FOR MARCH, 1997 AT WINNIPEG, MANITOBA

1. Overcast with snow and drifting snow. Snow changing to ice crystals mid afternoon, and drifting snow ending early evening. Maximum temperature near normal, minimum slightly below normal. Winds moderate, decreasing to light mid evening.
2. Sunny. Temperatures well below normal. Winds light.
3. Overcast with snow and blowing snow beginning late afternoon. Snow ending early evening, and blowing snow ending late evening. Temperatures below normal. Winds light, increasing to be moderate to strong by mid afternoon, decreasing to moderate late evening.
4. Sunny. Temperatures well below normal. Winds moderate, decreasing to light mid morning.
5. Mainly cloudy with flurries in the afternoon. Temperatures well below normal. Winds light, increasing to moderate late morning. Winds decreasing to light late afternoon.
6. Sunny. Temperatures well below normal. Winds light.
7. Cloudy to overcast with snow mid morning to early afternoon, then sunny. Maximum temperature slightly below normal, minimum below normal. Winds light, occasionally moderate mid morning.
8. Cloudy to overcast with snow mid morning to early afternoon. Blowing snow early to late afternoon. Maximum temperature near normal, minimum below normal. Winds increasing to strong near noon., decreasing to moderate late evening.
9. Cloudy becoming overcast early evening. Maximum temperature near normal, minimum slightly above normal. Winds moderate, decreasing to light mid afternoon.
10. Sunny. Temperatures near normal. Winds light, occasionally moderate mid to late afternoon.
11. Cloudy to overcast with snow showers mid morning, becoming sunny late morning. Temperatures below normal. Winds light increasing to moderate mid morning, decreasing to light late afternoon.
12. Sunny becoming overcast late afternoon. Temperatures well below normal. Winds light, increasing to moderate late evening.
13. Overcast, clearing in the evening. Temperatures well below normal. Winds moderate, decreasing to light mid evening.
14. Sunny. Temperatures well below normal. Winds light, occasionally moderate mid to late afternoon.
15. Sunny. Temperatures well below normal. Winds light.
16. Cloudy to overcast with snow beginning mid morning. Maximum temperature below normal, minimum well below normal. Winds increasing to moderate mid morning, decreasing to light late afternoon, increasing to moderate mid evening.
17. Sunny. Temperatures well below normal. Winds decreasing to light overnight, and continuing light through the day.
18. Mainly sunny. Maximum temperature slightly below normal, minimum well below normal. Winds light increasing to moderate near noon.
19. Sunny. Temperatures near normal. Winds decreasing to light by early morning, remaining light through the day.
20. Cloudy to overcast with flurries mid afternoon. Maximum temperature near normal, minimum below normal. Winds light occasionally moderate in the afternoon.
21. Overcast, with freezing drizzle early morning and flurries near noon. Maximum temperature near normal, minimum above normal. Winds light increasing to moderate mid morning, decreasing to light mid evening.
22. Cloudy to overcast with flurries late morning, becoming sunny near noon. Maximum temperature near normal, minimum slightly below normal. Winds light, except for a period of moderate mid morning to early afternoon.
23. Mainly sunny, becoming overcast early evening. Maximum temperature near normal, minimum below normal. Winds light, increasing to moderate late morning.
24. Overcast with snow. Snow ending mid evening. Maximum temperature near normal, minimum well above normal. Winds moderate to strong, decreasing to moderate near noon. Winds continued moderate except for a short period of light late afternoon to early evening.
25. Sunny. Maximum temperature near normal, minimum slightly above normal. Winds decreasing to light early morning, increasing to moderate mid evening.
26. Sunny. Temperatures above normal. Winds decreasing to light early morning, continuing light through the day.
27. Overcast with rain beginning late afternoon and snow from early to mid evening. Rain ending after midnight. Temperatures slightly above normal. Winds light increasing to be moderate occasionally light by mid morning.
28. Sunny. Maximum temperature near normal, minimum above normal. Winds decreasing to light overnight, continuing light through the day.
29. Overcast with snow and drizzle late morning to early afternoon, and snow early to late evening. Temperatures near normal. Winds light to moderate, increasing to moderate late afternoon.
30. Overcast with freezing drizzle to mid morning, becoming sunny mid afternoon. Maximum temperature below normal, minimum near normal. Winds decreasing to light early morning, increasing to moderate late afternoon, increasing to be occasionally strong near midnight.
31. Sunny. Maximum temperature near normal, minimum above normal. Winds moderate to strong, decreasing to moderate mid evening.

Winnipeg Int'l Airport

Hourly Relative Humidity at:
Humidité Horaire a:

Hour ->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
D 1	92	92	91	91	91	90	90	90	89	89	88	89	87	88	86	87	85	83	81	80	82	83	86	88	87	
A 2	90	89	89	92	91	89	91	93	90	67	71	72	74	70	72	72	73	76	75	73	74	75	76	76	80	
T 3	75	73	75	72	72	71	73	74	74	76	76	77	79	78	78	74	74	79	85	85	82	80	80	81	77	
E 4	75	74	72	73	73	71	75	75	78	54	55	56	54	50	53	55	62	63	62	64	62	61	65	67	65	
5	65	66	64	65	65	66	63	63	62	60	58	55	62	61	62	76	79	77	77	74	73	75	74	71	67	
6	72	72	73	71	75	71	69	69	68	70	69	65	65	62	58	67	57	58	65	67	69	72	73	72	68	
7	70	74	73	73	73	74	73	75	79	84	83	82	80	79	76	66	78	80	84	88	83	85	91	90	79	
8	86	89	93	90	93	89	85	82	82	81	78	76	80	85	87	87	86	85	86	86	86	85	84	80	85	
9	77	80	80	80	80	83	81	79	79	79	78	79	75	74	70	72	73	80	77	78	81	85	86	85	79	
10	87	86	88	89	90	90	90	89	89	90	88	85	83	79	78	75	73	73	82	84	90	85	87	90	85	
11	91	92	89	90	93	93	89	90	91	93	79	76	66	70	68	60	64	62	73	73	65	62	71	72	78	
12	75	80	83	79	82	60	62	64	64	64	63	62	64	62	63	55	60	63	63	63	65	67	65	60	66	
13	64	62	62	66	66	67	67	68	69	70	70	69	67	66	64	57	57	63	59	64	63	63	64	69	65	
14	66	66	65	67	66	66	66	68	68	66	67	65	64	65	62	63	62	62	64	66	67	67	68	54	65	
15	66	70	69	67	67	67	67	66	65	63	61	58	60	61	65	63	58	59	62	69	67	65	67	71	65	
16	69	68	69	70	70	71	71	70	67	64	77	79	81	84	82	81	79	82	85	87	88	88	87	87	77	
17	87	89	89	91	89	89	87	88	91	88	85	85	86	86	84	80	76	76	75	79	83	82	85	87	85	
18	92	89	89	90	91	90	89	88	88	87	73	72	69	70	67	66	67	68	69	72	75	78	79	83	79	
19	85	86	87	88	89	88	89	89	88	84	85	83	84	85	90	90	88	88	89	86	88	90	91	92	88	
20	93	92	91	96	93	92	92	93	95	95	90	85	82	89	87	83	83	82	82	84	88	89	91	92	89	
21	94	95	95	95	97	96	98	97	96	97	95	95	93	89	91	91	89	88	84	83	88	87	87	88	92	
22	87	88	85	89	91	92	92	93	91	90	87	85	80	79	77	78	77	69	72	78	81	81	84	87	84	
23	82	87	81	92	88	90	88	91	91	93	84	81	81	83	81	76	72	70	66	71	69	68	73	77	81	
24	78	78	77	78	82	93	92	93	94	95	98	98	98	97	97	98	97	97	99	99	99	98	96	94	93	
25	94	93	93	91	91	89	89	92	90	91	91	88	93	92	84	86	79	80	85	85	78	77	79	79	87	
26	82	84	84	86	87	88	87	87	81	78	81	83	72	70	69	73	74	70	71	75	79	80	79	82	79	
27	86	89	88	90	90	88	83	79	75	74	74	69	61	62	61	68	85	92	95	96	96	94	95	94	83	
28	94	94	93	91	90	92	93	92	88	86	86	86	81	77	79	76	80	82	87	87	87	87	88	89	87	
29	89	85	81	82	84	80	84	84	82	80	84	91	90	95	90	82	81	79	77	83	85	87	87	86	85	
30	86	83	84	85	85	88	90	90	90	86	85	80	78	75	74	69	74	74	80	81	84	84	84	85	82	
31	83	85	85	83	81	82	81	81	80	81	80	78	77	75	72	69	68	66	68	67	72	72	75	69	76	
Mean	82	82	82	83	83	82	82	82	82	80	79	78	76	76	75	74	75	75	77	78	79	79	81	81	79	
Moyenne																										

Note/Avis: 1. Climatological Day/Journee 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 = percent/pour cent

Wind Summary
Sommaire Des Vents

Winnipeg Int'l Airport

March 1997
Page 6

Hour	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	DIR.	Peak Wind Speed	Time	
18	W	W	SW	S	SSW	C	SSW	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	41	20
19	S	S	S	S	S	S	S	S	S	S	N	NNE	N	N	NNE	NW	NW	NW	NW	NNE	NE	NW	NW	NW	S	41	2	
20	N	NW	NW	NW	NW	NE	C	ESE	ESE	ESE	SSE	SSE	SSE	SE	SE	SE	SE	SSE	SE	SE	SE	E	C	NE	SE	41	16	
21	N	NNE	NNE	N	NW	NW	N	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	37	14	
22	S	S	S	S	SSE	SSW	NW	NE	NNE	NNE	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NW	NW	NNE	NNE	31	9	
23	C	C	S	S	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	S	S	S	48	23	
24	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	NW	N	NW	NW	NW	S	54	3	
25	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	46	3	
26	S	S	S	S	S	S	S	S	S	S	S	N	N	N	N	N	N	N	N	N	N	N	N	N	N	41	5	
27	NW	NE	SSE	NE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	37	16	
28	ENE	N	N	N	N	NW	NW	NW	N	N	NW	NNE	NNE	N	N	N	N	N	N	N	N	NW	NW	NW	ENE	31	1	
29	NNE	ENE	E	S	SE	SE	SE	SSE	SSE	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	NW	48	22	
30	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	48	0	
31	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SE	S	61	16	

EQUAL TO OR OVER	10	15	20	25	30	35	40	45	50	55	60	65	70	Wind Speed in km/hr
NUMBER OF HOURS	597	489	304	183	107	56	28	8	1	0	0	0	0	0
NUMBER OF DAYS	31	31	28	25	20	9	4	3	1	0	0	0	0	1
MAX CONSECUTIVE HOURS	67	37	32	26	22	15	9	4	1	0	0	0	0	0

Winnipeg Int'l Airport

Dew Point Summary
Sommaire Des Temperatures De Rosee

Hour ->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
D 1	-90	-92	-95	-97	-101	-102	-102	-106	-111	-113	-109	-107	-107	-104	-105	-104	-106	-114	-116	-128	-147	-163	-186	-199	-118	
A 2	-206	-215	-226	-217	-240	-248	-251	-248	-255	-270	-246	-206	-194	-185	-175	-175	-175	-183	-212	-233	-229	-246	-218	-209	-220	
T 3	-221	-235	-233	-249	-256	-250	-229	-218	-210	-198	-189	-174	-152	-145	-143	-151	-157	-152	-147	-150	-160	-168	-176	-189	-191	
E 4	-204	-215	-226	-237	-248	-256	-259	-264	-274	-304	-285	-271	-260	-256	-241	-233	-220	-218	-236	-252	-255	-256	-258	-254	-250	
5	-259	-263	-265	-267	-274	-271	-284	-275	-266	-254	-238	-231	-213	-206	-196	-171	-164	-167	-181	-206	-231	-235	-244	-256	-235	
6	-246	-256	-266	-271	-266	-279	-285	-287	-286	-273	-245	-236	-225	-212	-206	-190	-203	-203	-205	-214	-221	-221	-227	-256	-242	
7	-259	-246	-242	-232	-223	-215	-204	-195	-179	-161	-150	-140	-132	-127	-126	-131	-128	-139	-158	-172	-199	-200	-178	-183	-181	
8	-206	-189	-168	-176	-156	-157	-153	-144	-130	-122	-112	-103	-92	-81	-84	-75	-76	-75	-74	-72	-72	-65	-59	-66	-114	
9	-72	-77	-86	-97	-100	-105	-107	-111	-114	-114	-103	-99	-103	-106	-107	-102	-95	-94	-93	-85	-86	-98	-109	-100	-99	
10	-93	-93	-113	-116	-110	-110	-117	-126	-127	-121	-97	-91	-81	-85	-79	-81	-81	-87	-96	-124	-134	-150	-147	-153	-110	
11	-151	-156	-176	-158	-171	-159	-175	-159	-124	-130	-147	-148	-164	-152	-150	-165	-161	-174	-175	-195	-210	-218	-227	-236	-171	
12	-246	-257	-265	-254	-261	-309	-320	-317	-308	-285	-257	-238	-220	-211	-201	-211	-198	-192	-198	-197	-194	-193	-194	-201	-240	
13	-200	-211	-212	-210	-212	-210	-209	-205	-198	-205	-198	-194	-188	-176	-170	-184	-185	-175	-193	-200	-216	-228	-245	-261	-205	
14	-278	-272	-280	-288	-287	-295	-297	-297	-290	-273	-255	-233	-222	-208	-203	-201	-205	-209	-220	-239	-259	-261	-272	-257	-255	
15	-262	-263	-275	-293	-290	-291	-294	-301	-293	-280	-268	-250	-225	-212	-203	-193	-196	-189	-190	-209	-212	-224	-230	-228	-246	
16	-234	-240	-252	-246	-228	-212	-209	-206	-209	-199	-173	-158	-143	-134	-123	-115	-114	-114	-111	-118	-121	-123	-125	-126	-169	
17	-149	-155	-176	-178	-193	-207	-211	-224	-198	-192	-182	-164	-150	-137	-130	-126	-127	-128	-143	-143	-143	-163	-163	-165	-166	
18	-165	-189	-191	-158	-179	-188	-181	-202	-186	-153	-137	-130	-119	-106	-107	-99	-104	-107	-110	-109	-108	-107	-107	-100	-140	
19	-92	-92	-93	-94	-95	-95	-97	-93	-83	-68	-61	-61	-56	-51	-41	-40	-33	-34	-44	-54	-65	-96	-101	-99	-73	
20	-101	-120	-114	-129	-140	-143	-127	-93	-61	-55	-56	-55	-48	-36	-30	-23	-16	-15	-14	-12	-9	-10	-11	-14	-61	
21	-20	-19	-19	-19	-18	-19	-15	-17	-22	-22	-22	-25	-21	-21	-26	-19	-19	-20	-21	-28	-33	-56	-50	-48	-46	
22	-41	-41	-46	-48	-55	-56	-79	-46	-46	-54	-51	-49	-58	-54	-55	-58	-61	-79	-84	-94	-108	-110	-116	-141	-69	
23	-130	-159	-159	-148	-166	-131	-138	-134	-116	-91	-83	-71	-61	-51	-45	-48	-58	-65	-74	-68	-63	-65	-58	-55	-94	
24	-53	-53	-55	-53	-46	-33	-30	-28	-24	-21	-15	-13	-10	-8	-6	-4	-4	-3	-1	-2	-4	-6	-7	-15	-22	
25	-18	-21	-24	-34	-40	-46	-58	-73	-81	-67	-58	-55	-40	-24	-19	-9	-15	-15	-17	-28	-36	-33	-33	-34	-38	
26	-31	-31	-31	-35	-39	-44	-44	-43	-36	-16	0	1	1	2	1	1	2	1	1	1	-1	-4	-9	-12	-29	-17
27	-43	-39	-36	-55	-36	-20	-21	-20	-16	-16	-16	-13	-21	-28	-28	-12	-1	2	1	2	2	2	5	5	-18	
28	6	2	3	0	-4	-19	-34	-38	-39	-22	-11	-9	-14	-18	-15	-18	-13	-13	-23	-35	-44	-44	-41	-45	-21	
29	-43	-46	-40	-36	-36	-36	-37	-33	-30	-29	-20	-7	-2	5	3	-15	-20	-34	-50	-46	-61	-73	-84	-94	-36	
30	-100	-108	-108	-109	-108	-105	-101	-99	-96	-100	-93	-94	-80	-76	-69	-73	-64	-63	-55	-56	-55	-54	-52	-47	-83	
31	-47	-50	-51	-50	-50	-46	-44	-46	-45	-39	-31	-29	-24	-22	-21	-22	-20	-20	-17	-18	-13	-12	-12	-18	-32	
Mean	-138	-143	-147	-148	-150	-151	-153	-151	-144	-137	-127	-119	-112	-105	-101	-99	-98	-100	-106	-114	-121	-126	-128	-132	-128	
Moyenne																										

*Temperatures In Tenths of Degrees Celsius
*Temperatures En Dixieme Degres Celsius

	This Mth		Last Year		Normal	Highest Ever			Lowest Ever			#yrs
	Value	Day	Value	Day		Value	Day	Year	Value	Day	Year	
Highest Temperature (Maximum)	5.9	26	5.0	12		23.3	27	1946				125
Lowest Temperature (Minimum)	-27.5	12	-33.7	6					-38.9	3	1873	125
Mean Monthly (Temperature)	-10.5		-13.0		-7.0	1.6		1878	-16.1		1899	125
Total Monthly Rainfall	7.0		1.0		5.9	67.8		1945	0.0		1956	125
Total Monthly Snowfall	15.4		36.4		19.2	76.2		1904	0.8		1946	125
Total Monthly Precipitation	19.5		34.2		23.1	76.2		1904	1.5		1939	125
No. of Days with Measurable Precipitation	8		11		9	17		1944	3		0	125
Greatest Rainfall in One Day	7.0	27	0.6	12		32.0	9	1978				125
Greatest Snowfall in One Day	8.0	24	19.0	29		38.1	4	1935				125
Greatest Precipitation in One Day	9.6	27	18.2	29		38.1	4	1935				125
Maximum Rainfall Recorded in:												
5 Minutes	M	M	M	M		1.3	14	1990				44
10 Minutes	M	M	M	M		1.7	14	1990				44
15 Minutes	M	M	M	M		2.0	14	1990				44
30 Minutes	M	M	M	M		2.7	30	1982				44
60 Minutes	M	M	M	M		4.1	30	1982				44
24 Consecutive Hours	7.0	27	0.6	12		32.0	9	1878				125
Mean Wind Speed (km/h)	18.8		19.2		18.0	25.6		1944	12.6		1924	76
Maximum Speed (2 min. mean) (km/h)	S 50	8	NNW 52	1		NNE 81	13	1982				58
Maximum Gust Speed	S 65	8	S 65	16		N113	4	1966				50
Total Hours of Sunshine	178.1		192.3		177.7	217.4		1970	97.4		1903	115
Mean Station Pressure (kPa)	98.93		99.15		98.78	99.83		1947	98.09		1945	58
Greatest Station Pressure (kPa)	100.89	12	100.94	7		101.80	12	1951				58
Least Station Pressure (kPa)	97.07	26	97.01	16					95.01	12	1982	58

CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST 10 YEARS

Year	Max. Temp	Min. Temp	Mean Temp	Rain Fall	Snow Fall	Tot. Precip	Mean WSpeed	Max. WSpeed	Sun Hours	Heat DDays	Grow DDays	Cool DDays	Snow Sept 1
1988	10.9	-17.8	-4.5	4.2	22.2	24.2	18.1	WNW 48	187.4	697.9	0.0	0.0	65.0
1989	4.8	-30.2	-10.2	5.9	16.5	20.0	15.3	S 50	172.7	873.0	0.0	0.0	146.7
1990	12.9	-23.7	-4.1	19.6	12.6	32.8	18.0	NNW 46	185.8	685.8	4.0	0.0	88.4
1991	13.7	-29.9	-5.4	1.2	27.8	27.6	15.5	NNE 41	197.7	724.2	1.6	0.0	97.1
1992	7.0	-17.5	-4.3	8.6	15.8	19.0	15.3	S 41	162.6	691.7	0.0	0.0	121.2
1993	7.8	-25.1	-5.5	1.8	11.0	9.7	19.1	S 50	167.2	728.6	0.0	0.0	111.6
1994	13.0	-20.4	-2.3	0.4	3.4	3.4	18.5	SSE 48	211.0	631.3	0.6	0.0	71.8
1995	9.9	-32.1	-5.1	20.5	8.0	28.5	19.5	SSE 48	97.4	717.6	1.8	0.0	81.2
1996	5.0	-33.7	-13.0	1.0	36.4	34.2	19.2	NW 52	192.3	961.4	0.0	0.0	164.1
1997	5.9	-27.5	-10.5	7.0	15.4	19.5	18.8	SSE 50	178.1	882.2	0.0	0.0	162.8