

DAILY WEATHER SUMMARY FOR NOVEMBER , 1997 AT WINNIPEG, MANITOBA

1. Overcast with snow and blowing snow reducing visibility at times to less than 1 kilometre. Maximum temperature below normal, minimum slightly above normal. Winds moderate to strong.
2. Overcast with snow and blowing snow ending late evening. Maximum temperature well below normal, minimum near normal. Winds strong.
3. Overcast with brief flurries. Maximum temperature well below normal, minimum near normal. Winds strong decreasing to light by afternoon.
4. Overcast. Maximum temperature well below normal, minimum near normal. Winds light.
5. Overcast. Maximum temperature below normal, minimum near normal. Winds light increasing to moderate late evening.
6. Mainly cloudy. Maximum temperature slightly below normal, minimum near normal. Winds moderate to strong.
7. Mainly cloudy with fog. Maximum temperature slightly below normal, minimum slightly above normal. Winds light to moderate.
8. Variable cloudiness with rain and ice pellets overnight. Maximum temperature near normal, minimum above normal. Winds light to moderate.
9. Mainly cloudy with snow overnight, then clearing. Maximum temperature slightly below normal, minimum below normal. Winds light to moderate.
10. Variable cloudiness with snow mid morning. Maximum temperature well below normal, minimum below normal. Winds light to moderate.
11. Variable cloudiness with afternoon flurries. Temperatures well below normal. Winds light to moderate.
12. Variable cloudiness. Temperatures slightly below normal. Winds moderate decreasing to light by evening.
13. Variable cloudiness with morning flurries. Maximum temperature below normal, minimum slightly below normal. Winds moderate.
14. Variable cloudiness. Temperatures below normal. Winds light to moderate.
15. Overcast with morning flurries then clearing. Maximum temperature below normal, minimum near normal. Winds light.
16. Clear becoming overcast by afternoon with a brief evening flurry. Temperatures near normal. Winds light to moderate.
17. Overcast with flurries. Maximum temperature slightly below normal, minimum slightly above normal. Winds light.
18. Variable cloudiness with freezing drizzle, light snow and fog reducing visibility to less than 1 kilometre mid morning. Maximum temperature below normal, minimum slightly below normal. Winds light.
19. Variable cloudiness with flurries. Maximum temperature near normal, minimum slightly below normal. Winds light to moderate.
20. Overcast with morning flurries then clearing. Maximum temperature below normal, minimum slightly below normal. Winds light.
21. Variable cloudiness with flurries. Maximum temperature below normal, minimum well below normal. Winds light.
22. Mainly cloudy with morning flurries. Maximum temperature below normal, minimum near normal. Winds light.
23. Overcast becoming sunny in the morning. Temperatures well below normal. Winds light increasing to moderate late evening.
24. Variable cloudiness. Maximum temperature well above normal, minimum near normal. Winds moderate to strong.
25. Mainly sunny. Temperatures well above normal. Winds moderate decreasing to light by mid morning.
26. Variable cloudiness. Temperatures well above normal. Winds light to moderate.
27. Variable cloudiness with morning flurries. Temperatures above normal. Winds light.
28. Variable cloudiness with visibility reduced to below 1 kilometre overnight. Temperatures above normal. Winds light to moderate.
29. Variable cloudiness with visibility reduced to below 1 kilometre overnight. Temperatures well above normal. Winds light to moderate.
30. Mainly cloudy. Maximum temperature above normal, minimum well above normal. Winds light.

Hourly Relative Humidity at:
Humidite Horaire a:

Winnipeg Int'l Airport

November 1997
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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	96	97	98	99	98	98	96	96	96	96	96	95	94	96	93	97	98	97	98	96	96	96	98	98	97	
A 2	98	98	97	95	95	93	91	92	89	91	93	93	89	89	88	87	87	85	85	87	84	85	85	84	90	
T 3	84	84	84	84	82	82	84	86	86	86	83	80	77	80	77	80	80	82	83	84	86	88	81	81	83	
E 4	82	83	84	82	84	85	88	88	85	84	84	83	80	81	76	76	78	78	78	74	72	75	80	79	81	
5	83	75	80	82	83	78	82	66	67	64	65	64	67	66	69	69	71	71	73	75	72	74	76	78	73	
6	78	79	79	82	82	82	85	87	89	89	84	84	85	84	84	82	84	86	87	88	89	88	88	89	85	
7	90	89	91	90	90	91	91	92	91	91	92	93	95	94	96	96	96	96	96	97	98	98	98	99	94	
8	98	98	98	98	96	96	96	98	97	90	89	89	84	81	77	80	77	75	77	84	91	91	93	91	89	
9	93	95	96	89	91	94	93	86	88	88	85	81	77	69	72	68	71	82	86	89	91	91	94	88	86	
10	92	90	92	93	92	91	92	91	93	93	88	78	76	68	60	67	66	70	75	78	75	75	71	75	81	
11	77	77	77	75	78	81	81	84	90	89	82	77	77	74	67	64	67	74	72	74	75	74	74	73	76	
12	74	74	75	75	75	76	78	78	78	78	78	74	73	75	76	77	79	80	80	83	83	86	91	90	79	
13	91	91	87	86	86	89	90	84	82	82	84	79	76	75	75	72	70	67	67	72	75	73	74	79	79	
14	79	79	80	82	81	82	85	85	86	82	75	74	70	68	63	65	70	72	70	82	86	88	80	79	78	
15	78	77	76	76	76	78	80	81	83	83	71	69	68	65	68	67	68	76	78	78	76	77	75	72	75	
16	71	70	69	66	70	71	72	71	72	68	65	66	64	61	66	68	80	82	79	82	78	78	81	81	72	
17	81	83	82	82	78	78	81	82	78	75	73	74	72	72	74	74	76	81	84	85	87	88	87	88	80	
18	91	92	93	93	92	94	93	92	93	91	95	94	94	94	89	77	74	69	73	72	76	79	75	79	86	
19	80	82	84	85	81	77	80	83	88	87	86	84	83	78	78	72	71	75	71	73	82	87	87	84	81	
20	82	81	77	74	78	76	81	83	81	83	76	71	74	72	66	67	80	86	91	87	88	86	83	89	80	
21	91	91	90	93	86	89	90	92	92	91	81	78	78	73	72	71	71	71	77	81	83	79	84	79	83	
22	77	80	88	91	91	90	89	90	89	89	89	87	87	84	82	80	85	86	84	84	83	82	82	81	85	
23	80	76	88	88	92	86	92	92	95	91	94	75	67	62	60	69	69	78	79	84	84	81	81	79	81	
24	81	82	80	79	78	83	88	88	88	84	81	81	81	82	83	82	85	85	86	86	85	81	79	77	83	
25	76	77	76	73	75	75	77	79	76	74	72	72	71	73	75	81	89	86	87	86	85	83	82	81	78	
26	78	78	76	77	76	77	79	78	78	74	70	67	62	64	60	56	70	70	81	85	89	88	87	85	75	
27	88	90	93	95	93	95	94	93	92	91	93	94	96	96	93	93	95	93	95	96	96	91	95	96	94	
28	96	94	99	97	98	98	98	97	96	96	96	96	98	98	98	91	94	95	96	94	93	94	93	93	96	
29	95	97	96	96	97	95	95	94	94	95	93	81	75	72	68	69	79	79	80	74	75	78	75	76	85	
30	75	80	81	82	85	87	90	89	89	90	88	86	82	80	77	76	76	80	83	84	81	82	80	81	83	
Mean	85	85	86	85	85	86	87	87	87	85	83	81	79	77	76	76	78	80	82	83	84	84	84	84	83	
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

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	1	0	0	0	-3	-5	-6	-7	-8	-8	-4	-2	-4	-5	-8	-4	-3	-4	-4	-6	-9	-9	-11	-17	-6	
A 2	-20	-23	-25	-28	-29	-32	-34	-36	-40	-41	-37	-35	-38	-38	-41	-42	-48	-53	-57	-60	-65	-72	-73	-75	-44	
T 3	-78	-77	-77	-78	-80	-80	-80	-78	-78	-77	-84	-83	-86	-86	-85	-82	-86	-83	-82	-79	-76	-73	-80	-82	-81	
E 4	-80	-79	-78	-81	-78	-76	-70	-68	-69	-68	-65	-62	-60	-60	-57	-63	-62	-59	-61	-69	-71	-67	-61	-62	-69	
5	-59	-68	-64	-63	-62	-67	-64	-83	-80	-85	-83	-84	-74	-77	-72	-72	-70	-70	-70	-67	-72	-72	-74	-70	-73	
6	-72	-70	-68	-64	-66	-64	-58	-52	-47	-40	-37	-38	-36	-32	-27	-28	-25	-23	-23	-23	-23	-18	-19	-22	-42	
7	-22	-21	-28	-29	-29	-31	-33	-31	-30	-27	-18	-12	-8	-7	-6	-5	-4	-2	-1	1	2	1	0	2	-15	
8	1	1	1	2	1	0	1	3	3	-9	-11	-8	-12	-17	-27	-23	-27	-34	-30	-26	-28	-28	-21	-22	-14	
9	-20	-16	-17	-35	-38	-34	-44	-59	-70	-50	-50	-53	-65	-71	-68	-74	-72	-79	-103	-108	-120	-123	-122	-134	-69	
10	-128	-116	-108	-120	-116	-117	-104	-103	-89	-71	-84	-107	-112	-122	-142	-133	-143	-139	-142	-141	-153	-148	-144	-141	-123	
11	-140	-138	-140	-145	-142	-143	-147	-154	-170	-170	-156	-145	-130	-133	-140	-144	-143	-144	-143	-143	-141	-138	-135	-136	-145	
12	-133	-129	-123	-121	-115	-108	-103	-100	-96	-85	-79	-74	-69	-58	-56	-52	-50	-52	-54	-63	-69	-84	-107	-107	-88	
13	-113	-108	-72	-69	-64	-54	-54	-65	-80	-79	-78	-82	-80	-78	-82	-83	-89	-101	-110	-112	-116	-117	-118	-123	-90	
14	-126	-127	-129	-129	-130	-135	-133	-133	-129	-120	-116	-112	-107	-105	-110	-109	-108	-106	-110	-128	-147	-155	-123	-120	-124	
15	-113	-110	-108	-109	-109	-108	-113	-111	-111	-108	-109	-110	-107	-106	-100	-103	-108	-112	-105	-104	-108	-113	-120	-126	-111	
16	-130	-133	-134	-126	-127	-122	-121	-121	-123	-120	-111	-95	-85	-83	-72	-73	-63	-64	-71	-67	-76	-75	-73	-72	-98	
17	-72	-70	-71	-71	-76	-76	-72	-72	-75	-82	-88	-86	-89	-89	-87	-88	-87	-91	-88	-87	-83	-82	-83	-82	-82	
18	-78	-77	-86	-82	-85	-92	-93	-105	-118	-133	-121	-114	-97	-83	-84	-97	-100	-106	-100	-102	-96	-93	-97	-92	-98	
19	-91	-88	-85	-83	-89	-94	-89	-84	-76	-72	-72	-68	-67	-84	-83	-94	-99	-96	-110	-124	-139	-155	-148	-165	-99	
20	-131	-121	-117	-117	-113	-112	-104	-101	-102	-98	-110	-117	-113	-115	-125	-120	-117	-130	-124	-120	-118	-131	-141	-140	-119	
21	-142	-157	-165	-176	-192	-160	-136	-122	-118	-124	-118	-115	-113	-115	-115	-118	-121	-124	-128	-119	-111	-116	-113	-111	-131	
22	-111	-109	-101	-100	-99	-99	-104	-105	-106	-106	-111	-112	-115	-114	-117	-126	-132	-136	-130	-130	-136	-139	-141	-141	-118	
23	-144	-152	-147	-173	-185	-195	-197	-214	-219	-199	-168	-180	-176	-176	-172	-171	-177	-183	-196	-184	-182	-172	-177	-172	-181	
24	-170	-168	-172	-174	-167	-151	-139	-132	-126	-123	-117	-107	-90	-77	-64	-60	-59	-55	-54	-53	-36	-15	-8	-7	-98	
25	-7	-9	-11	-13	-16	-21	-22	-31	-29	-28	-24	-15	-9	-4	-2	-1	-3	-10	-16	-27	-29	-27	-36	-37	-19	
26	-44	-46	-51	-54	-59	-61	-63	-64	-68	-69	-63	-55	-55	-41	-41	-52	-36	-36	-31	-35	-37	-34	-34	-32	-49	
27	-34	-44	-49	-44	-48	-49	-40	-39	-34	-28	-31	-23	-5	-11	-13	-17	-28	-48	-51	-49	-43	-76	-74	-91	-41	
28	-77	-57	-43	-25	-16	-17	-23	-26	-30	-40	-34	-28	-22	-13	-4	-14	-21	-22	-21	-30	-34	-36	-39	-46	-31	
29	-37	-33	-37	-39	-40	-47	-51	-51	-52	-41	-28	-13	-3	0	0	0	-3	-15	-22	-22	-19	-13	-45	-60	-29	
30	-68	-74	-77	-82	-80	-84	-82	-81	-83	-80	-77	-70	-68	-66	-64	-65	-65	-67	-70	-67	-63	-62	-64	-66	-73	
Mean	-82	-82	-80	-82	-83	-82	-80	-82	-83	-80	-77	-74	-71	-70	-70	-71	-73	-76	-78	-79	-81	-82	-84	-86	-80	
Moyenne																										

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

COMPARATIVE RECORDS AT: **WINNIPEG INT'L AIRPORT** **November 1997**
 RELEVÉS COMPARATIFS À: **November 1997**

		THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						NO. OF YEARS NO. D'ANNÉES
		HIGHEST EVER MAXIMUM ABSOLU			LOWEST EVER MINIMUM ABSOLU								
		VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ		DAY JOUR	YEAR ANNÉE					
HIGHEST TEMPERATURE (MAXIMUM) TEMPÉRATURE MAXIMALE	*CELSIUS	5.8	29	10.4	3		23.9	5	1975				125
LOWEST TEMPERATURE (MINIMUM) TEMPÉRATURE MINIMALE	*CELSIUS	-21.7	23	-29.7	25					-36.7	26	1875	125
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	*CELSIUS	-5.7		-11.8		-4.7	1.3		1923	-13.9		1896	125
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE	Millimètres (mm) Millimètres (mm)	0.5		TR		5.3	62.2		1918	0.0		1933	125
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	Centimètres (cm) Centimètres (cm)	16.8		62.8		19.0	80.3		1955	TR		1928	125
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	Millimètres (mm) Millimètres (mm)	15.5		58.4		21.2	90.2		1955	0.8		1976	125
NUMBER OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		3		9		9	20		1955	1		1976	125
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	Millimètres (mm) Millimètres (mm)	0.5	8	TR	15		44.5	17	1918				125
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	Centimètres (cm) Centimètres (cm)	8.0	1	16.0	8		31.0	10	1919				125
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	Millimètres (mm) Millimètres (mm)	10.4	1	16.2	17		44.5	17	1918				125
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE ENREGISTRÉE EN:													
5 MINUTES	Millimètres (mm) Millimètres (mm)	M	M	M	M		1.3	14	1971				44
10 MINUTES	Millimètres (mm) Millimètres (mm)	M	M	M	M		1.8	14	1971				44
15 MINUTES	Millimètres (mm) Millimètres (mm)	M	M	M	M		2.0	14	1971				44
30 MINUTES	Millimètres (mm) Millimètres (mm)	M	M	M	M		2.8	14	1971				44
60 MINUTES	Millimètres (mm) Millimètres (mm)	M	M	M	M		3.8	14	1971				44
24 CONSECUTIVE HOURS HEURES CONSECUTIVES	Millimètres (mm) Millimètres (mm)	M	M	M	M		44.5	17	1918				125
MEAN WIND SPEED (KM/H) VITESSE MOYENNE DU VENTS (KM/H)		18.5		17.5		18.0	25.4		1953	13.7		1972	76
MAXIMUM WIND SPEED (2 MIN MEAN) (KM/H) VITESSE MAXIMALE (MOYENNE SUR 2 MIN.) (KM/H)		N 57	2	NNW 57	17		NNE 80	5	1952				58
MAXIMUM GUST SPEED (KM/H) POINTE DU VENT MAXIMALE (KM/H)		N 72	2	NNW 72	17		NNE124	21	1960				50
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		0.0		103.7		94.9	139.7		1976	25.1		1944	115
MEAN STATION PRESSURE (hPa) PRESSION MOYENNE À LA STATION (hPa)		98.76		99.24		98.66	99.24		1996	98.20		1949	58
GREATEST STATION PRESSURE (hPa) PRESSION MAXIMAL À LA STATION (hPa)		100.71	13	101.27	13		101.52	20	1978				58
LEAST STATION PRESSURE (hPa) PRESSION MINIMALE À LA STATION (hPa)		96.87	27	97.23	6					94.56	20	1962	58

CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST 10 YEARS
 DONNÉES CLIMATOLOGIQUES CE MOIS-CI POUR LES 10 DERNIÈRES ANNÉES

YEAR ANNÉE	MAXIMUM TEMPERATURE TEMPÉRATURE MAXIMALE	MINIMUM TEMPERATURE TEMPÉRATURE MINIMALE	MEAN TEMPERATURE TEMPÉRATURE MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECP. TOTALE	MEAN WIND SPEED VITESSE MOYENNE DES VENTS	MAXIMUM WIND SPEED VITESSE MAXIMALE DES VENTS	SUNSHINE HOURS INSOLATION	HEATING DEGREE DAYS DEGRÉS-JOURS DE CHAUFFE	CROWING DEGREE DAYS DEGRÉS-JOURS DE CROISSANCE	COOLING DEGREE DAYS DEGRÉS-JOURS DE RÉFRIGÉRATION	S.A.S. A.S.N.
1988	6.7	-21.1	-4.4	1.2	26.4	21.3	15.8	M 48	60.7	671.9	0.0	0.0	39.4
1989	8.0	-24.5	-7.7	2.0	16.4	17.4	15.9	NW 46	98.1	772.3	0.0	0.0	24.7
1990	14.2	-21.4	-4.3	13.7	7.8	19.6	17.0	S 44	103.3	668.6	2.0	0.0	17.6
1991	5.5	-24.0	-8.5	6.8	23.8	29.4	25.3	M 98	103.0	794.7	0.0	0.0	68.8
1992	5.1	-18.6	-4.7	0.6	39.8	39.4	16.6	M 43	46.5	681.7	0.0	0.0	53.4
1993	8.5	-21.6	-5.6	0.2	22.4	20.2	19.4	M 50	74.4	706.4	0.0	0.0	26.8
1994	9.6	-17.2	-1.8	22.0	14.2	36.2	21.6	WNW 56	111.9	594.7	0.3	0.0	23.4
1995	4.6	-26.9	-10.5	TR	50.0	44.6	18.8	NNW 54	74.8	857.5	0.0	0.0	60.9
1996	10.4	-29.7	-11.8	58.4	62.8	58.4	17.5	NW 57	103.7	895.8	0.0	0.0	72.3