

MONTHLY METEOROLOGICAL SUMMARY

SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada

Environnement Canada

WINNIPEG INTL A (YWG) MONTH/MOIS: November/novembre 2003

DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRES-JOURS			REL HUMIDITY HUMIDITE REL		PRECIPITATION PRECIPITATIONS			Snow On Ground neige au sol cm
	MAX	MIN	MEAN	Heating	Growing	Cooling	MAX	MIN	Rainfall	Snowfall	Total	
	C	C	C	de chauffe base 18	de crois- sance base 5	de refri- geration base 18	%	%	de pluie hauteur mm	de neige hauteur cm	precip. totales mm	
1	-0.9	-11.9	-6.4	24.4	0.0	0.0	91	64				0.5
2	-2.1	-15.6	-8.9	26.9	0.0	0.0	91	68				TR
3	-6.2	-18.6	-12.4	30.4	0.0	0.0	97	51				0.0
4	-4.0	-8.7	-6.4	24.4	0.0	0.0	97	79				2.5
5	-5.2	-13.3	-9.3	27.3	0.0	0.0	98	80				1.5
6	-8.2	-15.6	-11.9	29.9	0.0	0.0	93	70				0.5
7	-13.8	-20.7	-17.3	35.3	0.0	0.0	88	77				0.0
8	-6.8	-20.6	-13.7	31.7	0.0	0.0	84	60				0.5
9	-2.8	-8.4	-5.6	23.6	0.0	0.0	98	76				0.0
10	0.8	-9.1	-4.2	22.2	0.0	0.0	100	93				0.0
11	1.9	-7.1	-2.6	20.6	0.0	0.0	97	72				0.0
12	-0.7	-12.2	-6.5	24.5	0.0	0.0	91	69				0.0
13	2.5	-12.0	-4.8	22.8	0.0	0.0	90	71				0.0
14	3.9	-7.8	-2.0	20.0	0.0	0.0	96	66				0.0
15	3.4	-6.9	-1.8	19.8	0.0	0.0	100	78				0.0
16	2.2	-4.9	-1.4	19.4	0.0	0.0	100	98				0.5
17	6.0	1.5	3.8	14.2	0.0	0.0	100	89				0.5
18	2.3	-2.0	0.2	17.8	0.0	0.0	100	90				0.5
19	1.3	-3.8	-1.3	19.3	0.0	0.0	98	84				TR
20	1.7	-8.2	-3.3	21.3	0.0	0.0	97	73				0.5
21	-6.6	-16.2	-11.4	29.4	0.0	0.0	91	63				0.0
22	-9.1	-16.7	-12.9	30.9	0.0	0.0	93	67				0.0
23	-10.7	-14.8	-12.8	30.8	0.0	0.0	91	67				TR
24	-7.9	-19.2	-13.6	31.6	0.0	0.0	90	55				0.0
25	-6.6	-10.0	-8.3	26.3	0.0	0.0	93	81				3.5
26	-4.6	-17.0	-10.8	28.8	0.0	0.0	94	76				0.0
27	-4.0	-11.8	-7.9	25.9	0.0	0.0	97	84				1.5
28	-6.7	-18.9	-12.8	30.8	0.0	0.0	100	73				1.0
29	1.0	-8.6	-3.8	21.8	0.0	0.0	96	73				0.0
30	-1.1	-7.9	-4.5	22.5	0.0	0.0	100	57				0.5
TOTAL				754.6	0.0	0.0			0.0	0.0	14.0	totale
MEAN	-2.7	-11.6	-7.2				95	73				moyenne
NORMAL	-0.9	-9.6	-5.3	698.0	4.1	0.0			6.1	21.4	25.0	normale

- NOTE/AVIS:
1. Climatological Day / Journee Climatologique: 00 01 LST - 00 00 LST
 2. 30 Yr Normals / Normales duree 30 ans.
 3. TR = Trace.
 4. No entry = Missing / Pas de valeur = Manquant.

WINNIPEG INTL A (YWG) MONTH/MOIS: November/novembre 2003

DRY BULB TEMPERATURES / TEMPERATURES DU THERMOMETRE SEC

HR / HEURE

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	-86	-93	-99	-106	-107	-110	-113	-117	-108	-90	-71	-48	-30	-20	-15	-19	-11	-16	-16	-16	-26	-22	-22	-22
2	-23	-23	-32	-39	-57	-69	-72	-62	-66	-68	-52	-45	-53	-62	-67	-71	-77	-103	-128	-142	-153	-128	-137	-139
3	-153	-162	-147	-159	-177	-156	-179	-163	-165	-148	-125	-97	-72	-71	-66	-64	-68	-91	-95	-87	-82	-81	-79	-77
4	-71	-62	-60	-60	-59	-60	-61	-63	-61	-59	-57	-54	-49	-47	-43	-43	-47	-61	-81	-76	-64	-59	-58	-58
5	-59	-59	-67	-71	-70	-75	-84	-78	-73	-70	-64	-59	-58	-56	-56	-55	-57	-66	-69	-89	-104	-116	-126	-132
6	-129	-127	-134	-135	-138	-147	-145	-140	-141	-130	-122	-110	-98	-92	-86	-85	-86	-92	-99	-98	-115	-120	-139	-148
7	-155	-184	-188	-168	-205	-200	-179	-197	-192	-191	-167	-162	-153	-149	-139	-140	-145	-167	-168	-167	-175	-181	-182	-170
8	-183	-180	-183	-191	-190	-200	-197	-200	-185	-166	-151	-135	-119	-114	-108	-108	-107	-111	-117	-114	-99	-84	-77	-71
9	-69	-70	-65	-58	-54	-55	-61	-70	-79	-73	-66	-48	-42	-34	-30	-29	-34	-47	-67	-66	-79	-72	-74	-74
10	-80	-91	-85	-79	-71	-63	-59	-56	-50	-38	-24	-17	-7	-1	5	5	2	0	1	2	-2	-6	-13	-22
11	-28	-32	-47	-60	-59	-68	-58	-58	-61	-48	-31	-15	-5	11	17	16	3	-4	-20	-30	-27	-28	-11	-14
12	-9	-13	-19	-32	-40	-43	-49	-66	-88	-71	-46	-32	-21	-8	-9	-15	-35	-61	-83	-97	-115	-113	-109	-120
13	-115	-120	-111	-111	-107	-111	-117	-100	-94	-86	-63	-47	-33	-24	-4	15	24	14	-9	-8	-5	-19	-19	-22
14	-28	-43	-61	-55	-58	-59	-73	-74	-72	-47	-26	-4	25	33	36	31	27	20	6	6	-12	-18	-21	-35
15	-40	-40	-41	-47	-49	-56	-57	-68	-63	-42	-10	-2	14	20	28	34	6	-6	-7	-8	-11	-17	-19	-24
16	-27	-32	-36	-41	-45	-48	-38	-32	-27	-20	-13	-4	1	9	13	16	19	18	21	20	18	14	13	12
17	15	17	17	22	24	24	20	21	25	33	37	43	50	59	58	53	56	57	57	51	45	41	34	26
18	23	13	8	5	3	0	1	-4	-8	-4	-1	-1	3	5	2	1	1	-5	-10	-12	-13	-12	-20	-18
19	-15	-17	-20	-36	-20	-18	-20	-21	-21	-20	-15	-12	-10	-15	-17	-20	-19	-19	-19	-21	-20	-18	-11	2
20	12	17	16	12	-1	1	-11	-11	-11	-14	-13	-11	-9	-11	-20	-30	-38	-57	-50	-45	-48	-61	-49	-68
21	-82	-68	-81	-86	-93	-97	-103	-106	-113	-103	-92	-83	-81	-75	-72	-79	-88	-111	-124	-131	-132	-136	-148	-144
22	-139	-151	-154	-153	-162	-160	-153	-138	-127	-125	-120	-110	-104	-96	-95	-98	-103	-111	-123	-122	-124	-122	-124	-121
23	-118	-120	-121	-119	-118	-117	-116	-121	-121	-122	-116	-115	-114	-111	-109	-110	-112	-121	-125	-129	-129	-145	-141	-145
24	-147	-157	-162	-162	-170	-175	-178	-179	-182	-164	-142	-132	-111	-103	-94	-89	-102	-120	-109	-104	-107	-100	-96	-90
25	-83	-88	-88	-87	-85	-84	-82	-84	-81	-78	-75	-71	-71	-69	-69	-71	-76	-85	-83	-81	-81	-85	-86	-74
26	-71	-69	-68	-66	-87	-120	-142	-160	-163	-147	-114	-100	-89	-76	-64	-60	-63	-77	-83	-54	-59	-54	-52	-57
27	-89	-92	-63	-75	-115	-98	-81	-113	-108	-97	-77	-46	-46	-42	-53	-51	-65	-68	-70	-65	-68	-71	-76	-88
28	-81	-105	-118	-133	-149	-162	-175	-181	-184	-155	-137	-125	-108	-105	-105	-107	-110	-105	-103	-100	-95	-90	-83	-77
29	-67	-67	-69	-63	-65	-61	-56	-43	-47	-39	-15	1	9	-1	1	0	-20	-49	-49	-50	-52	-57	-70	-80
30	-73	-69	-62	-54	-46	-29	-28	-21	-14	-21	-19	-21	-19	-21	-16	-21	-24	-24	-30	-30	-37	-39	-40	-44

NOTE/AVIS: 1. Unit = 0.1 C

1. Unite = 0.1 C

PRECIPITATION OCCURRENCES / EVENEMENT DES PRECIPITATIONS

Hour / Heure

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1																									
2												S	S												
3																									
4						S	S	S	S	S	S	S	S	S	S	S	S	S	S						
5	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S						
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17											RW														
18	L																								
19	S																								
20										S	S														
21																									
22																									
23							S																		
24																									
25		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S							
26																									
27												S													
28																									
29		S																							
30																									

Note/avis:

R = Rain/pluie : S = Snow/neige : W = Showers/averse de : T = Thunderstorm/orage : L = Drizzle/bruise : Z = Freezing/verglacante
 SP = Snow Pellets/neige roulée : SG = Snow Grains/neige en grains : A = Hail/grele : IP = Ice Pellets/grésil

WINNIPEG INTLA (YWG) MONTH/MOIS: November/novembre 2003

		WINDS (km/h)													DES VENTS (km/h)													Pk Hour
Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Gust: Hour			
Date																										Rafale		
1	WSW	W	WSW	SW	SW	SW	S	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	S	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	1400		
2	SW	SW	WSW	W	W	WNW	W	W	W	NNW	NNW	NNW	NNW	N	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	1500		
3	W	WNW	W	C	W	SW	W	SW	C	NW	NNW	C	NNE	NE	NNE	NNE	N	NNE	NNE	NE	NE	NE	NE	NE	NE	1500		
4	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NNE	NE	NE	NNE	NNE	N	N	N	N	NNW	NNW	NNW	NNW	1300		
5	NW	NW	NW	W	WNW	W	W	WNW	WNW	W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	2200		
6	SW	SW	SW	SW	WSW	W	W	W	W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	1500		
7	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	300		
8	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	1600		
9	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	100		
10	S	S	S	S	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	1600		
11	SSW	WSW	WSW	SW	WSW	WSW	W	WNW	W	W	W	W	W	W	W	WSW	W	NW	NW	N	NNW	N	NNW	N	NNW	1600		
12	NNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	1300		
13	W	W	W	WSW	W	WSW	WSW	SSW	SSW	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW	48		
14	SSW	SSW	S	S	S	S	S	S	S	SSE	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	1300	
15	S	S	S	S	S	S	S	S	S	C	SSW	SSE	S	S	SSW	S	S	S	S	S	S	S	S	S	S	SSW	9	
16	S	S	S	S	S	S	S	SSE	S	S	S	SSE	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	2200	
17	S	S	S	S	S	S	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	200	
18	W	W	W	SW	WSW	WSW	WSW	WSW	WSW	W	W	WNW	WNW	NW	WNW	W	W	W	W	W	WSW	W	WSW	WSW	WSW	1400		
19	WNW	NW	W	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	700		
20	S	S	S	SW	SSW	W	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	1000		
21	WSW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	NW	WNW	W	WNW	WNW	WNW	NNE	NNE	N	N	NW	NNW	NW	WNW	100			
22	C	C	C	NW	W	NW	NW	NNW	NNE	NNE	NNE	N	NNE	NNE	NNE	N	N	N	N	NNE	N	N	NNE	N	NNE	15		
23	NE	NE	NNE	NE	NNE	NNE	NNE	N	N	NNE	N	N	NNE	NNE	N	N	NNE	NNE	N	N	N	NNW	N	NNE	NNE	15		
24	N	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	N	NNE	NE	C	SE	SSE	S	SSE	SSE	SSE	SE	S	SSE	SSE	SSE	SSE	1700		
25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0	
26	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	500		
27	WSW	WSW	SSW	SSW	SSW	SSW	S	S	S	S	SE	SSE	SE	SSE	SE	SSE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	1100		
28	SE	NE	E	E	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	1700		
29	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	W	W	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	39		
30	24	24	19	19	15	11	13	15	13	11	7	4	7	15	17	19	22	26	33	41	43	39	50	43	72	0		
31	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	100		
32	61	52	48	37	46	35	30	28	19	15	20	17	32	33	24	19	17	6	9	11	11	13	11	11	72	100		
33	WSW	WSW	W	WSW	WSW	WSW	W	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	1100		
34	9	13	13	13	13	13	15	17	32	32	39	46	41	35	41	30	39	37	33	35	35	35	33	32	67	1100		

SUMMARY / SOMMAIRE

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pdir	SSW	W	NE	ENE	W	WSW	WNW	S	S	W	WNW	SSW	S	S	S	SE	W	NW	NW	WNW	N	SSE	SSE	ESE	NNW	S	NNW	W	W	W	
avgV	26	16	7	14	14	23	16	25	18	24	11	17	21	11	10	16	20	16	18	26	15	9	23	12	16	9	18	22	25	28	
dir2	NNE													NNE													W				

NOTE/AVIS: * indicates/indique < 24 hrs and/et >=18 hrs

Pdir=Prevailing direction/Direction dominante

dir2=2nd Pdir/2ieme Pdir