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# WIND CHILL FOR OCTOBER 1984

## YWG - WINNIPEG MANITOBA

EXPRESSED IN WATTS/50.M.

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
DAY																								
1	0	0	0	0	0	1015	1034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	994	968	997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1173	0	0	0	0	0	0	1120	0	1116	0	0	0	0	0	0	1199	1227	1205	1245	1249	1213	1291	1161
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1295	1325	1330	1337	1387	1402	1417	1414	1402	1337	1323	1327
28	1312	1319	1236	1243	1192	1290	1288	1282	1357	1270	1325	1278	1174	1232	1241	1274	1284	1275	1306	1315	1281	1318	1302	1295
29	1329	1291	1316	1223	1232	1157	1058	1055	0	1130	1401	1394	1283	1269	1352	1355	1296	1204	0	1258	1334	1395	1327	1327
30	1430	1437	1351	1448	1387	1443	1468	1365	1365	1475	1369	1336	1291	1279	1243	1313	1322	0	0	1284	1284	1241	1329	1288
31	1290	1250	1335	1259	1312	1289	1240	1256	1201	1147	1166	1178	1148	1143	1150	1120	1046	977	963	1012	1411	1504	1634	1662

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### SUMMARY

RANGE	1200-1599 W/50.M	1600-1999 W/50.M	2000-2299 W/50.M	> 2299 W/50.M
NUMBER OF HOURS=	90	2	0	0
NUMBER OF DAYS=	6	1	0	0
LONGEST CONSECUTIVE HOURS				

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF OCTOBER

ALL TIMES ARE C.S.T. VELOCITY IN KILOMETERS PER HOUR

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	
1	SSE	SSE	SSE	S	S	SSE	S	SSE	S	S	S	S	S	S	S	SSE	S	SSE	S	S	S	SSW	WSW	W	
2	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W
3	W	WNW	W	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ENE
4	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE
5	C	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SSE
6	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW
7	N	N	NNE	NNE	N	N	N	N	N	NNE	NNE	N	N	N	N	NNE	N	N	N	N	N	N	N	N	N
8	N	NNW	C	NNW	NNW	NNW	C	N	NE	E	C	SW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
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
10	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
11	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
12	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
13	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
14	SW	SW	SW	W	C	SW	S	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
15	NNE	N	N	N	N	N	N	N	NNE	NNE	NNE	N	N	N	N	NNE	N	N	N	N	N	N	N	N	N
16	SSE	SE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S

PEAK GUSTS

HOUR (CST)

S 52  
NW 56  
1257  
1648  
ENE 41  
1526  
W 50  
1540  
S 37  
1722  
SE 65  
1232  
S 65  
1224  
S 63  
0008  
SE 72  
2253  
S 98  
0448

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF OCTOBER LOCAL STANDARD TIME

ALL TEMPERATURES IN DEGREES CELSIUS

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.	2.8	1.4	2.0	1.6	3	-8	-4	3.0	7.1	11.1	14.4	15.7	17.1	18.2	18.8	19.2	18.7	18.4	15.3	15.1	13.9	12.6	12.3	
2.	12.5	10.4	8.7	8.0	7.8	8.3	6.1	6.1	8.7	9.6	11.3	14.8	17.4	18.6	19.6	19.3	18.6	15.6	14.4	11.7	8.9	7.5	4.1	4.0
3.	4.0	2.8	2.3	1.6	3	2	3	7	4.3	8.4	11.3	12.9	14.6	15.6	16.5	15.4	16.6	13.8	13.2	11.4	11.3	11.6	11.0	
4.	9.6	9.5	9.3	9.3	8.8	8.4	7.8	7.4	8.4	9.1	10.5	11.4	12.3	13.6	13.4	13.2	12.2	11.0	9.9	8.5	7.4	6.4	5.6	5.2
5.	5.0	4.7	4.7	4.8	5.2	5.8	6.1	6.8	8.3	11.2	14.8	15.9	18.5	21.0	21.3	23.2	21.5	20.5	20.8	21.4	20.4	17.5	15.0	
6.	16.1	17.0	16.4	15.8	15.1	14.8	13.8	13.1	13.7	14.9	15.5	17.2	18.0	19.0	18.2	18.0	17.0	16.8	15.8	15.3	14.3	12.1	11.5	10.7
7.	10.2	9.9	9.6	9.9	10.1	10.1	9.5	9.6	10.3	11.4	13.0	14.1	15.0	14.8	15.7	15.5	15.4	14.0	11.9	10.3	8.7	8.3	8.0	7.6
8.	6.3	5.7	5.0	5.2	3.6	3.5	3.2	3.6	5.8	8.8	12.0	14.2	16.8	19.2	20.0	20.2	19.6	18.8	17.0	15.0	14.7	13.2	12.5	11.2
9.	11.4	11.8	9.1	9.5	8.2	8.2	8.5	8.6	9.4	11.2	15.6	18.0	20.0	20.3	22.0	22.3	21.0	18.2	14.6	13.3	13.9	12.8	11.2	11.4
10.	11.7	10.1	9.0	9.1	9.3	9.0	9.3	10.8	11.5	12.3	14.2	16.0	17.9	17.9	17.7	17.5	17.0	16.5	16.2	16.7	15.4	14.5	14.2	14.6
11.	14.6	14.6	14.6	15.2	15.0	14.8	15.2	15.6	16.0	16.2	17.1	18.5	19.2	19.8	20.1	19.4	20.4	20.4	20.1	19.7	18.8	18.0	17.6	17.7
12.	17.5	17.5	16.8	16.3	16.3	16.6	16.5	16.4	16.4	16.5	16.9	17.6	19.0	20.6	22.2	23.0	22.7	21.7	20.7	20.2	20.8	20.4	18.2	18.2
13.	18.6	18.6	18.2	17.2	16.2	14.8	13.6	12.2	13.0	13.8	15.3	18.2	19.4	20.8	22.0	22.0	20.2	17.3	16.8	15.5	15.2	14.0	14.4	15.2
14.	13.9	14.4	13.7	12.7	11.6	10.4	9.2	9.7	10.0	11.0	12.3	15.0	15.6	15.4	15.3	14.6	14.2	13.5	13.0	13.4	11.8	10.3	9.3	9.3
15.	9.3	9.0	9.0	9.0	8.7	8.9	8.7	8.2	7.8	7.6	8.2	8.9	9.2	10.7	14.2	15.1	15.2	15.4	15.2	15.1	14.8	14.8	14.7	12.4
16.	9.0	7.3	6.1	4.7	4.1	4.3	4.0	3.7	3.5	4.2	4.5	5.0	5.6	6.2	6.4	6.4	6.3	6.1	5.8	5.3	5.2	4.8	4.3	3.9
17.	3.9	3.5	3.2	2.2	1.0	1.0	0.7	0.4	0.4	0.5	1.3	2.0	2.6	3.6	4.4	4.5	4.0	5.0	3.7	3.7	2.9	3.6	3.1	0.8
18.	1.3	-1.2	-3	-1.0	-4	-9	-1.3	-7	2.3	4.9	4.9	5.6	6.1	7.4	6.6	6.6	6.8	6.6	7.0	6.9	6.2	6.1	5.9	5.9
19.	5.7	5.7	5.7	5.5	5.4	5.2	4.8	5.5	3.8	4.1	4.5	4.5	4.5	4.7	3.6	4.4	3.9	3.5	3.7	3.9	4.4	4.5	4.3	4.6
20.	4.4	4.5	4.1	3.9	3.7	3.6	3.5	2.7	2.7	3.2	3.0	3.1	3.5	3.8	3.3	3.2	3.2	2.6	2.3	1.3	1.2	0.7	0.4	0.2
21.	0.2	0.2	0.3	0.3	0.2	0.2	0.4	0.4	0.5	0.6	0.8	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.2	0.9	1.2	1.2	1.6	1.2
22.	0.8	0.8	0.7	0.7	0.6	0.4	-1.1	-4	-2	0.6	2.1	2.5	3.3	3.2	3.6	4.8	4.6	3.1	2.9	3.1	3.2	3.2	3.2	1.6
23.	0.5	-0.5	-0.2	0.0	0.2	0.6	0.7	0.5	0.4	1.6	2.7	3.6	4.4	5.0	4.7	5.1	4.8	4.4	3.8	3.3	2.9	2.6	2.5	1.8
24.	1.0	0.6	0.3	0.2	0.3	0.8	0.7	0.6	0.6	0.6	1.0	1.6	1.4	0.7	0.6	0.6	0.6	-0.8	-1.6	-2.0	-2.1	-2.7	-3.5	-4.5
25.	-4.9	-4.7	-4.3	-4.2	-3.9	-3.9	-3.4	-3.2	-2.9	-2.1	1.1	0.4	1.0	1.8	2.0	2.4	2.6	2.7	2.6	2.8	3.3	3.7	4.3	4.2
26.	3.7	4.5	4.8	4.9	4.5	4.7	4.6	4.2	4.6	5.5	6.1	7.2	8.6	8.8	10.0	9.7	9.6	7.6	7.6	6.3	6.0	4.5	4.6	4.0
27.	4.5	4.5	3.9	3.4	3.2	2.7	2.6	1.7	1.1	1.0	0.4	0.1	-0.3	-0.7	-1.0	-2.1	-2.9	-3.8	-4.2	-4.1	-4.1	-4.2	-4.3	-4.4
28.	-4.5	-4.7	-5.0	-5.2	-6.7	-7.6	-8.6	-9.7	-9.7	-9.3	-8.7	-8.3	-7.5	-6.8	-7.1	-7.1	-7.4	-8.2	-9.2	-9.5	-8.4	-7.5	-7.0	-6.0
29.	-5.0	-3.9	-4.1	-3.8	-3.4	-3.4	-3.5	-3.4	-3.6	-3.5	-6.0	-5.8	-5.6	-5.2	-5.1	-5.2	-6.0	-7.1	-8.3	-8.3	-8.9	-10.1	-10.9	-11.2
30.	-12.0	-12.2	-12.0	-11.5	-11.8	-12.4	-13.2	-14.1	-14.1	-13.4	-12.6	-11.5	-10.0	-9.6	-8.4	-8.3	-8.6	-9.6	-10.4	-11.3	-11.3	-9.8	-8.8	-8.6
31.	-7.6	-7.4	-6.9	-6.6	-6.5	-5.8	-5.1	-4.8	-3.9	-3.1	-2.1	-1.2	-0.9	-0.2	-0.4	-0.7	-0.8	-0.7	-0.9	-0.7	-5.8	-7.9	-10.6	-12.2

MEAN	5.3	5.0	4.7	4.5	4.1	4.0	3.7	3.6	4.2	5.2	6.5	7.6	8.6	9.3	9.7	9.8	9.4	8.7	7.9	7.3	6.8	6.2	5.5	5.1
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MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAN	9.9	11.3	9.0	9.5	14.1	15.4	11.4	11.5	13.8	13.7	17.4	18.7	16.8	12.7	11.3	5.3

MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MEAN	2.6	3.6	4.6	2.8	0.9	2.0	2.3	-0.3	0.0	6.1	-0.2	-7.4	-5.8	-11.0	-4.2

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS		OCTOBER / OCTOBRE			19 84							
Temperature/Température — Celsius Precipitation/Précipitation — Millimetres (mm) Rainfall/Hauteur de pluie — Millimetres (mm) Snowfall/Hauteur de neige — Centimetres (cm) Wind speed/Vitesse du vent — Kilometres/par heure (km/h) Station pressure/Pression à la station — Kilopascals (kPa)	THIS MONTH CE MOIS-CI	PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						YEARS OF RECORD D'OBSERVATIONS			
		VALUE RELEVÉ	DATE		VALUE RELEVÉ	DATE	HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU				
					VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE				
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE	23.3	5	15.7	8	22.9	30.0	1	1922	13.3	3	1969	113		
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE	-14.3	30	-8.9	18	-8.9	-1.7	8	1927	-20.6	26	1936	113		
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	6.4		5.6		6.1	12.8		1963	0.3		1887	113		
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE	86.4		21.1		25.9	142.0		1898	0.3		1933	113		
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	13.0		0.5		5.2	38.6		1919	N11	SVR	YRS	113		
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	99.0		21.6		30.9	144.0		1898 1949	2.5		1976	113		
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE	16		11		8	16		1898 1984	2		1963	101		
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	37.0	15	5.6	2		74.4	10	1949				113		
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	4.6	27	0.5	11		24.6	30	1971				113		
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	37.0	15	5.6	2		74.4	10	1949				113		
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:														
5 MINUTES	1.7	15	0.6	3		3.3	11	1960				33		
10 MINUTES	2.6	15	0.9	10		3.8	11	1960				25		
15 MINUTES	3.7	15	1.1	3		4.6	15	1968				25		
30 MINUTES	5.8	15	1.9	3		7.4	15	1968				25		
60 MINUTES	10.8	15	2.5	3		10.8	15	1984				25		
24 CONSECUTIVE HOURS HEURES CONSECUTIVES	37.0	15	6.6*	2-3		74.4	10	1949				113		
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)	18.9		16.6		19.6	25.7		1949	12.7		1925	64		
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)	S 67	16	SSE50	9	58	NW85	10	1949				46		
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)	S 98	16	SSE 69	9	84	N114	15	1952				46		
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION	108.6		145.7		151.5	235.9		1963	72.4		1917	85		
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)	98.42		98.81		98.51	99.11		1957	98.20		1973 1968	46		
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)	99.84	24 30	100.22	29	100.21	100.92	6	1954				46		
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)	95.90	15	97.24	27	96.46				93.87	10	1949	46		
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES												TEN / DIX	YEARS DERNIÈRE ANNÉES	(10)
YEAR ANNÉE	MAXIMUM TEMP. MAXIMALE	MINIMUM TEMP. MINIMALE	MEAN TEMP. MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP. TOTALE	MEAN WINDSPEED VITESSE MOYENNE DES VENTS	MAXIMUM WINDSPEED VITESSE MAXIMALE DES VENTS	HOURS SUNSHINE HEURES INSOLATION	HEATING DEGREE-DAYS DEGRES JOURS DE CHAUFFE	GROWING DEGREE-DAYS DEGRES JOURS DE CROISSANCE			
1975	26.6	-6.1	6.9	36.7	2.8	38.3	18.3	WNW 50	137.3	345.7	95.7			
1976	28.1	-16.6	2.9	2.5	Tr.	2.5	18.3	NNW 54	130.0	470.1	56.5			
1977	23.3	-4.9	7.5	30.2	Tr.	30.2	18.1	NW 44	203.9	324.3	88.8			
1978	22.4	-5.6	6.3	9.4	0.8	10.2	17.8	SSW 59	117.5	363.6	67.3			
1979	21.4	-10.6	4.3	13.6	1.8	15.4	18.1	N 50	127.9	424.0	37.2			
1980	24.3	-8.9	4.1	29.5	3.5	33.0	18.7	N 65	143.3	432.7	46.3			
1981	20.3	-13.4	5.3	57.6	3.9	59.6	21.9	SSE 61	114.6	392.5	85.8			
1982	18.2	-4.2	6.2	61.4	0.8	62.0	16.9	W 46	111.0	365.7	67.0			
1983	15.7	-8.9	5.6	21.1	0.5	21.6	16.6	SSE 50	145.7	383.4	55.0			
1984	23.3	-14.3	6.4	86.4	13.0	99.0	18.9	S 67	108.6	362.2	127.4			

\*Precipitation (rain): 6.6 mm - October 2-3, 1983  
Snowfall: 6.0 cm - October 20-21, 1984