

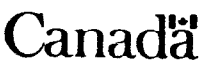
# MONTHLY METEOROLOGICAL SUMMARY / SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS: DECEMBER  
 AT/A: WINNIPEG INT'L AIRPORT

| DATE           | TEMPERATURE |         |       | DEGREE-DAYS |          |           | REL HUMIDITY |         | THUNDERSTORM ORAGE | PRECIPITATION |          |              | SNOW ON GROUND NEIGE AU SOL | AVERAGE SPEED VITESSE MOYENNE | WIND VENT            |                | BRIGHT SUNSHINE INSOLATION EFFECTIVE |                   |
|----------------|-------------|---------|-------|-------------|----------|-----------|--------------|---------|--------------------|---------------|----------|--------------|-----------------------------|-------------------------------|----------------------|----------------|--------------------------------------|-------------------|
|                | MAXIMUM     | MINIMUM | MEAN  | HEATING     | GROWING  | COOLING   | MAXIMUM      | MINIMUM |                    | RAINFALL      | SNOWFALL | TOTAL PRECIP |                             |                               | PREVAILING DIRECTION | MAX 2 MIN MEAN |                                      |                   |
|                | °C          | °C      | °C    | BASE 18°C   | BASE 5°C | BASE 18°C | %            | %       |                    | mm            | cm       | mm           |                             |                               | cm                   | km/h           |                                      | SPEED & DIRECTION |
| 1              | 0.5         | -4.1    | -1.8  | 19.8        |          |           | 93           | 80      |                    |               | 1.4      | 1.4          | 20                          | 24.2                          | NNW                  | NNW            | 39                                   | 0.0               |
| 2              | -4.0        | -14.0   | -9.0  | 27.0        |          |           | 100          | 73      |                    |               | TR       | TR           | 20                          | 13.7                          | SSW                  | NW             | 24                                   | 3.8               |
| 3              | -10.0       | -15.9   | -13.0 | 31.0        |          |           | 92           | 79      |                    |               | 0.4      | 0.4          | 19                          | 14.7                          | WNW                  | NW             | 22                                   | 4.2               |
| 4              | -10.4       | -20.1   | -15.3 | 33.3        |          |           | 84           | 65      |                    |               | TR       | TR           | 19                          | 17.2                          | WNW                  | NW             | 28                                   | 6.8               |
| 5              | -4.7        | -17.7   | -11.2 | 29.2        |          |           | 78           | 67      |                    |               |          |              | 19                          | 25.3                          | S                    | S              | 39                                   | 6.9               |
| 6              | -9.1        | -18.1   | -13.6 | 31.6        |          |           | 92           | 77      |                    |               |          |              | 19                          | 12.5                          | NW                   | S              | 19                                   | 3.7               |
| 7              | -11.9       | -19.5   | -15.7 | 33.7        |          |           | 92           | 71      |                    |               | TR       | TR           | 19                          | 6.5                           | S                    | SSE            | 13                                   | 0.5               |
| 8              | -4.9        | -14.1   | -9.5  | 27.5        |          |           | 93           | 78      |                    |               | TR       | TR           | 19                          | 25.5                          | SSE                  | SSE            | 37                                   | 1.5               |
| 9              | -3.5        | -10.6   | -7.1  | 25.1        |          |           | 100          | 85      |                    |               |          |              | 17                          | 23.5                          | S                    | SSE            | 33                                   | 0.0               |
| 10             | -5.2        | -17.5   | -11.4 | 29.4        |          |           | 93           | 71      |                    |               |          |              | 16                          | 22.7                          | NW                   | NW             | 43                                   | 3.3               |
| 11             | -6.3        | -18.5   | -12.4 | 30.4        |          |           | 93           | 72      |                    |               |          |              | 16                          | 18.9                          | SSE                  | SE             | 28                                   | 0.4               |
| 12             | -9.1        | -15.3   | -12.2 | 30.2        |          |           | 92           | 78      |                    |               |          |              | 16                          | 15.8                          | NNE                  | NNE            | 30                                   | 0.0               |
| 13             | -4.7        | -9.1    | -6.9  | 24.9        |          |           | 100          | 79      |                    |               | 14.8     | 12.2         | 18                          | 20.0                          | NNE                  | NE             | 30                                   | 0.0               |
| 14             | -5.6        | -8.2    | -6.9  | 24.9        |          |           | 93           | 86      |                    |               | TR       | TR           | 29                          | 22.1                          | S                    | S              | 41                                   | 0.0               |
| 15             | -2.3        | -10.3   | -6.3  | 24.3        |          |           | 93           | 85      |                    |               |          |              | 29                          | 19.3                          | S                    | S              | 35                                   | 0.0               |
| 16             | -2.3        | -20.1   | -11.2 | 29.2        |          |           | 100          | 64      |                    |               | TR       | TR           | 24                          | 18.0                          | NW                   | NW             | 35                                   | 2.4               |
| 17             | -17.4       | -21.2   | -19.3 | 37.3        |          |           | 77           | 64      |                    |               | TR       | TR           | 24                          | 9.7                           | S                    | SSW            | 17                                   | 4.7               |
| 18             | -14.6       | -19.9   | -17.3 | 35.3        |          |           | 78           | 70      |                    |               | 4.0      | 2.6          | 24                          | 17.0                          | NNE                  | NNE            | 28                                   | 0.0               |
| 19             | -17.9       | -27.2   | -22.6 | 40.6        |          |           | 77           | 58      |                    |               | 1.0      | 0.6          | 27                          | 15.5                          | WNW                  | W              | 24                                   | 4.2               |
| 20             | -19.1       | -30.4   | -24.8 | 42.8        |          |           | 70           | 57      |                    |               | 1.4      | 1.2          | 27                          | 10.5                          | W                    | W              | 17                                   | 2.5               |
| 21             | -17.5       | -23.1   | -20.3 | 38.3        |          |           | 77           | 54      |                    |               | 2.8      | 2.0          | 31                          | 17.5                          | N                    | NNE            | 33                                   | 5.6               |
| 22             | -16.3       | -22.5   | -19.4 | 37.4        |          |           | 77           | 58      |                    |               | 0.2      | TR           | 31                          | 14.5                          | S                    | WNW            | 26                                   | 3.1               |
| 23             | -22.6       | -30.8   | -26.7 | 44.7        |          |           | 69           | 52      |                    |               |          |              | 31                          | 18.0                          | WSW*                 | WNW            | 26                                   | 6.0               |
| 24             | -9.9        | -30.7   | -20.3 | 38.3        |          |           | 92           | 61      |                    |               | 3.4      | 2.0          | 31                          | 33.6                          | S                    | NW             | 59                                   | 0.7               |
| 25             | -18.5       | -30.2   | -24.4 | 42.4        |          |           | 70           | 57      |                    |               | 0.4      | 0.4          | 32                          | 31.5                          | WNW*                 | WNW            | 63                                   | 6.9               |
| 26             | -17.7       | -33.9   | -25.8 | 43.8        |          |           | 71           | 59      |                    |               | 3.6      | 2.0          | 32                          | 16.5                          | SSE                  | ESE            | 26                                   | 0.0               |
| 27             | -17.1       | -28.0   | -22.6 | 40.6        |          |           | 77           | 62      |                    |               | 1.2      | 0.4          | 36                          | 17.3                          | N                    | N              | 39                                   | 3.5               |
| 28             | -25.9       | -30.6   | -28.3 | 46.3        |          |           | 62           | 50      |                    |               | 0.8      | 0.6          | 36                          | 25.0                          | N                    | N              | 43                                   | 4.1               |
| 29             | -22.1       | -28.5   | -25.3 | 43.3        |          |           | 70           | 56      |                    |               | 1.8      | 1.4          | 34                          | 23.1                          | NNE                  | NNE            | 28                                   | 1.4               |
| 30             | -21.4       | -25.3   | -23.4 | 41.4        |          |           | 70           | 63      |                    |               | 2.2      | 1.4          | 35                          | 30.0                          | N                    | N              | 39                                   | 0.0               |
| 31             | -25.3       | -32.1   | -28.7 | 46.7        |          |           | 67           | 51      |                    |               | TR       | TR           | 36                          | 16.8                          | N*                   | N              | 30                                   | 5.4               |
| MEAN MOYENNE   | -12.2       | -20.9   | -16.6 | 1070.7      | 0.0      | 0.0       | 84           | 67      | 0                  | TR            | 40.4     | 29.2         | 19.2                        | S                             | WNW                  | 63             | 81.6                                 |                   |
| NORMAL NORMALE | -9.4        | -18.6   | -14.0 | 991.8       | 0.0      | 0.0       |              |         | 0                  | 0.9           | 20.7     | 19.2         | 18.6                        | S                             |                      |                | 92.6                                 |                   |

| 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 ANNÉE EN COURS | PREVIOUS YEAR ANNÉE PRÉCÉDENTE | NORMAL NORMALE | ABOVE 5°C AU-DESSUS DE 5°C                              | THIS YEAR ANNÉE EN COURS | PREVIOUS YEAR ANNÉE PRÉCÉDENTE | NORMAL NORMALE  | 02 OR MORE - OU PLUS | 10 OR MORE - OU PLUS | 100 OR MORE - OU PLUS | 500 OR MORE - OU PLUS | 02 OR MORE - OU PLUS                         | 10 OR MORE - OU PLUS | 20 OR MORE - OU PLUS | 100 OR MORE - OU PLUS | 500 OR MORE - OU PLUS |   |
| TOTAL FOR MONTH TOTAL DU MOIS                            | 1070.7                   | 896.2                          | 991.8          | TOTAL FOR MONTH TOTAL DU MOIS                           | 0.0                      | 0.0                            | 0.0   | 15                   | 9                    | 5                     | 1                     | 0  | 16                   | 12                   | 6                     | 1                     | 0 |
| ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET | 2510.6                   | 2402.1                         | 2279.9         | ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL | 1523.2                   | 2024.4                         | 1783.3  |                      |                      |                       |                       |  |                      |                      |                       |                       |   |

UDC 551 506 1 ( ) Note/Aviz 1 Climatological Day/Journée climatologique 00\_01 C ST - 23\_00 C ST  
 2 Normal/Normale 1951-1980  
 3 TR = Trace  
 4 M = Missing/Manquant  
 5 No entry/Pas de valeur = No occurrence/Pas d'événement  
 6 \* 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)  
 7 C = Calm/Calm  
 8 Price single issue \$3.00 annual (Jan to Dec) \$29.50 /Prix numéro individuel \$3.00 annual \$29.50 (janv à déc.)



| Temperature/Température<br>— ° Celsius<br>— Millimètres/millimètres (mm)<br>Précipitation/Précipitation<br>— Millimètres/millimètres (mm)<br>Régime/Hauteur de pluie<br>— Centimètres/centimètres (cm)<br>Snowfall/Hauteur de neige<br>— Kilomètres / kilomètres-h (km/h)<br>Wind speed/Vitesse du vent<br>— Kilopascals (kPa)<br>Station pressure/Pression à la station | THIS MONTH<br>CE MOIS-CI       |             | PREVIOUS YEAR<br>ANNÉE PRÉCÉDENTE |             | NORMAL<br>NORMALE | RECORD FOR THE MONTH<br>RECORD POUR LE MOIS |                 |             |               |                 |             | # OF YEARS<br># D'ANNÉES |
|--|--------------------------------|-------------|-----------------------------------|-------------|-------------------|---|-----------------|-------------|---------------|-----------------|-------------|--------------------------|
|  | HIGHEST EVER<br>MAXIMUM ABSOLU |             | LOWEST EVER<br>MINIMUM ABSOLU     |             |                   | YEAR<br>ANNÉE                               | VALUE<br>RELEVÉ | DAY<br>JOUR | YEAR<br>ANNÉE | VALUE<br>RELEVÉ | DAY<br>JOUR |                          |
|  | VALUE<br>RELEVÉ                | DAY<br>JOUR | VALUE<br>RELEVÉ                   | DAY<br>JOUR |                   |   |                 |             |               |                 |             |                          |
| HIGHEST TEMPERATURE (MAXIMUM)<br>TEMPÉRATURE MAXIMALE  | 0.5                            | 1           | 3.0                               | 21          |                   | 11.7  | 6               | 1939        |               |                 |             | 120                      |
| LOWEST TEMPERATURE (MINIMUM)<br>TEMPÉRATURE MINIMALE   | -33.9                          | 26          | -30.8                             | 15          |                   |   |                 |             | -47.8         | 24              | 1879        | 120                      |
| MEAN MONTHLY TEMPERATURE<br>TEMPÉRATURE MENSUELLE MOYENNE  | -16.6                          |             | -10.9                             |             | -14.0             | -3.4  |                 | 1877        | -25.9         |                 | 1879        | 120                      |
| TOTAL MONTHLY RAINFALL<br>HAUTEUR TOTALE MENSUELLE DE PLUIE  | TR                             |             | 0.8                               |             | 0.9               | 23.4  |                 | 1877        | 0.0           |                 | 1990        | 120                      |
| TOTAL MONTHLY SNOWFALL<br>HAUTEUR TOTALE MENSUELLE DE NEIGE  | 40.4                           |             | 31.2                              |             | 20.7              | 101.3                                       |                 | 1909        | 0.5           |                 | 1877        | 120                      |
| TOTAL MONTHLY PRECIPITATION<br>PRÉCIPITATION TOTALE MENSUELLE  | 29.2                           |             | 32.0                              |             | 19.2              | 101.3                                       |                 | 1909        | 2.5           |                 | 1892        | 120                      |
| NO OF DAYS WITH MEASURABLE PRECIPITATION<br>NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE   | 15                             |             | 15                                |             | 11                | 17  |                 | 1955        | 2             |                 | SVRL        | 120                      |
| GREATEST RAINFALL IN ONE DAY<br>HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE   | TR                             | 16          | 0.6                               | 19          |                   | 21.8  | 2               | 1982        |               |                 |             | 120                      |
| GREATEST SNOWFALL IN ONE DAY<br>HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE   | 14.8                           | 13          | 12.4                              | 6           |                   | 30.5  | 26              | 1916        |               |                 |             | 120                      |
| GREATEST PRECIPITATION IN ONE DAY<br>PRÉCIPITATION MAXIMALE EN UNE JOURNÉE   | 12.2                           | 13          | 12.4                              | 6           |                   | 30.5  | 26              | 1916        |               |                 |             | 120                      |
| MAXIMUM RAINFALL RECORDED IN:<br>HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:   |                                |             |                                   |             |                   |   |                 |             |               |                 |             |                          |
| 5 MINUTES  | TR                             | 16          | 0.0                               | 0           |                   | 2.0   | 2               | 1982        |               |                 |             | 39                       |
| 10 MINUTES   | TR                             | 16          | 0.0                               | 0           |                   | 3.8   | 2               | 1982        |               |                 |             | 39                       |
| 15 MINUTES   | TR                             | 16          | 0.0                               | 0           |                   | 4.0   | 2               | 1982        |               |                 |             | 39                       |
| 30 MINUTES   | TR                             | 16          | 0.0                               | 0           |                   | 4.3   | 2               | 1982        |               |                 |             | 39                       |
| 60 MINUTES   | TR                             | 16          | 0.0                               | 0           |                   | 7.8   | 2               | 1982        |               |                 |             | 39                       |
| 24 CONSECUTIVE HOURS<br>HEURES CONSECUTIVES  | TR                             | 16          | 0.6                               | 19          |                   | 15.2  | 22              | 1877        |               |                 |             | 120                      |
| MEAN WIND SPEED (km/h)<br>VITESSE MOYENNE DU VENT (km/h)   | 19.2                           |             | 25.6                              |             | 18.6              | 24.6  |                 | 1943        | 12.5          |                 | 1978        | 71                       |
| MAXIMUM SPEED (2 min. mean) (km/h)<br>VITESSE MAXIMALE (moyenne sur 2 min.) (km/h)   | WNW 63                         | 25          | WNW 67                            | 16          |                   | NW 74                                       | 99              | SVRL        |               |                 |             | 53                       |
| MAXIMUM GUST SPEED (km/h)<br>POINTE DU VENT MAXIMALE (km/h)  | WNW 82                         | 24          | WNW 98                            | 1           |                   | NW100                                       | 11              | 1946        |               |                 |             | 45                       |
| TOTAL HOURS OF SUNSHINE<br>TOTAL DES HEURES INSOLATION   | 81.6                           |             | 84.5                              |             | 92.6              | 141.8                                       |                 | 1989        | 31.7          |                 | 1920        | 110                      |
| MEAN STATION PRESSURE (kPa)<br>PRESSION MOYENNE À LA STATION (kPa)   | 98.86                          |             | 98.71                             |             | 99.26             | 99.26                                       |                 | 1983        | 98.29         |                 | 1953        | 53                       |
| GREATEST STATION PRESSURE (kPa)<br>PRESSION MAXIMALE À LA STATION (kPa)  | 101.41                         | 28          | 100.61                            | 18          |                   | 101.77                                      | 8               | 1982        |               |                 |             | 53                       |
| LEAST STATION PRESSURE (kPa)<br>PRESSION MINIMALE À LA STATION (kPa)   | 96.26                          | 1           | 96.71                             | 6           |                   |   |                 |             | 94.71         | 17              | 1967        | 53                       |

CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST  
DONNÉES CLIMATOLOGIQUES CE MOIS-CI POUR LES

YEARS  
DERNIÈRE ANNÉES

| YEAR<br>ANNÉE | MAXIMUM<br>TEMP<br>MAXIMALE | MINIMUM<br>TEMP<br>MINIMALE | MEAN TEMP<br>MOYENNE | RAINFALL<br>HAUTEUR DE<br>PLUIE | SNOWFALL<br>HAUTEUR DE<br>NEIGE | TOTAL<br>PRECIP<br>TOTALE | MEAN<br>WIND SPEED<br>VITESSE<br>MOYENNE<br>DES VENTS | MAXIMUM<br>WIND SPEED<br>VITESSE<br>MAXIMALE<br>DES VENTS | SUNSHINE<br>HOURS<br>INSOLATION | HEATING<br>DEGREE-DAYS<br>DEGRÉS-JOURS<br>DE CHAUFFE | GROWING<br>DEGREE-DAYS<br>DEGRÉS-JOURS<br>DE CROISSANCE | COOLING<br>DEGREE-DAYS<br>DEGRÉS-JOURS<br>DE RÉFRIGÉRATION | SNOWFALL<br>SEPT. 1 |
|---------------|-----------------------------|-----------------------------|----------------------|---------------------------------|---------------------------------|---------------------------|---|---|---------------------------------|--|---|--|---------------------|
| 1983          | -8.3                        | -33.0                       | -20.3                | 0.0                             | 8.8                             | 5.7                       | 13.9  | N 46  | 138.6                           | 1187.8   | 0.0   | 0.0  | 28.5                |
| 1984          | 3.4                         | -34.5                       | -17.6                | 0.0                             | 25.6                            | 22.3                      | 17.0  | NNW 50  | 93.2                            | 1102.8   | 0.0   | 0.0  | 55.4                |
| 1985          | 2.6                         | -31.9                       | -14.0                | TR                              | 15.9                            | 14.0                      | 15.2  | NNW 54  | 108.4                           | 1107.0   | 0.0   | 0.0  | 74.6                |
| 1986          | 1.5                         | -25.7                       | -10.1                | 0.2                             | 7.0                             | 6.4                       | 18.4  | NW 46   | 113.6                           | 869.8  | 0.0   | 0.0  | 54.4                |
| 1987          | 3.6                         | -25.8                       | -8.2                 | 5.8                             | 10.2                            | 14.6                      | 14.2  | N 43  | 62.9                            | 811.5  | 0.0   | 0.0  | 21.6                |
| 1988          | 6.5                         | -30.4                       | -12.8                | TR                              | 26.7                            | 22.5                      | 17.2  | S 37  | 100.3                           | 955.3  | 0.0   | 0.0  | 65.7                |
| 1989          | 4.3                         | -37.0                       | -19.8                | 0.2                             | 19.8                            | 17.0                      | 14.6  | NNW 48  | 141.8                           | 1172.2   | 0.0   | 0.0  | 37.6                |
| 1990          | 5.4                         | -35.3                       | -16.4                | 0.0                             | 27.1                            | 24.1                      | 18.1  | S 52  | 119.3                           | 1064.0   | 0.0   | 0.0  | 36.1                |
| 1991          | 3.0                         | -30.8                       | -10.9                | 0.8                             | 31.2                            | 32.0                      | 25.6  | WNW 67  | 84.5                            | 896.2  | 0.0   | 0.0  | 71.8                |
| 1992          | 0.5                         | -33.9                       | -16.6                | TR                              | 40.4                            | 29.2                      | 19.2  | WNW 63  | 81.6                            | 1070.7   | 0.0   | 0.0  | 82.0                |

Note/Avs 1. Climatological Day/Journée climatologique 00 01 C.S.T. - 23 00 C.S.T.

2. Normal/Normale 1951-1980
3. Extremes for period of record/Extrêmes pour la période de registre
4. Maximum rainfall recorded in: may overlap calendar days/Hauteur de pluie maximale enregistrée en: peut-être pour plus d'une journée du calendrier
5. \*\* Indicates most recent occurrence/Indique le plus récent
6. \* Indicates first of more than one occurrence/Indique le premier de plusieurs

DRY BULB TEMPERATURE SUMMARY  
 SOMMAIRE DES TEMPERATURES DU THERMOMETRE SEC

WINNIPEG INT'L AIRPORT

DECEMBER 1992  
 PAGE 3

| 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      | -7   | -5   | -10  | 0    | -7   | -6   | -9   | -18  | -26  | -29  | -29  | -20  | -10  | -21  | -25  | -26  | -32  | -32  | -33  | -32  | -33  | -37  | -38  | -22  |      |      |
| A      | -40  | -54  | -66  | -87  | -80  | -92  | -88  | -89  | -84  | -76  | -61  | -52  | -48  | -59  | -72  | -76  | -84  | -99  | -102 | -111 | -118 | -122 | -132 | -133 | -84  |      |
| T      | -138 | -154 | -145 | -158 | -145 | -125 | -122 | -130 | -127 | -120 | -119 | -118 | -113 | -108 | -109 | -109 | -115 | -121 | -119 | -111 | -104 | -106 | -105 | -103 | -122 |      |
| E      | -104 | -117 | -136 | -140 | -144 | -161 | -170 | -180 | -191 | -196 | -196 | -184 | -174 | -171 | -168 | -172 | -179 | -194 | -192 | -181 | -184 | -193 | -183 | -171 |      |      |
|        | -176 | -159 | -152 | -143 | -140 | -134 | -135 | -135 | -129 | -117 | -108 | -88  | -72  | -67  | -53  | -50  | -55  | -61  | -65  | -65  | -77  | -81  | -74  | -89  | -101 |      |
|        | -93  | -119 | -132 | -147 | -143 | -140 | -156 | -141 | -141 | -159 | -140 | -127 | -113 | -101 | -95  | -97  | -130 | -138 | -141 | -147 | -135 | -163 | -176 | -180 | -136 |      |
|        | -175 | -183 | -180 | -189 | -189 | -185 | -184 | -181 | -188 | -182 | -172 | -166 | -161 | -150 | -150 | -152 | -151 | -149 | -145 | -143 | -134 | -124 | -119 | -125 | -162 |      |
|        | -126 | -122 | -128 | -127 | -138 | -130 | -136 | -136 | -137 | -141 | -126 | -116 | -111 | -106 | -100 | -102 | -92  | -84  | -73  | -65  | -60  | -55  | -53  | -50  | -105 |      |
|        | -56  | -67  | -79  | -83  | -85  | -91  | -102 | -104 | -101 | -95  | -88  | -79  | -66  | -58  | -53  | -50  | -45  | -40  | -39  | -37  | -41  | -44  | -48  | -50  | -67  |      |
|        | -52  | -65  | -81  | -83  | -98  | -83  | -74  | -73  | -78  | -86  | -94  | -98  | -96  | -100 | -105 | -108 | -116 | -126 | -134 | -146 | -171 | -163 | -157 | -166 | -106 |      |
|        | -160 | -170 | -182 | -165 | -152 | -159 | -154 | -144 | -134 | -124 | -117 | -110 | -99  | -88  | -81  | -71  | -69  | -74  | -71  | -67  | -68  | -68  | -66  | -65  | -111 |      |
|        | -67  | -71  | -76  | -86  | -92  | -115 | -150 | -145 | -114 | -137 | -115 | -112 | -116 | -101 | -105 | -108 | -109 | -113 | -110 | -112 | -111 | -104 | -95  | -94  | -107 |      |
|        | -91  | -89  | -87  | -90  | -87  | -85  | -79  | -75  | -70  | -68  | -63  | -61  | -56  | -54  | -50  | -50  | -51  | -54  | -54  | -56  | -60  | -61  | -62  | -67  | -68  |      |
|        | -70  | -69  | -72  | -74  | -77  | -79  | -79  | -82  | -79  | -79  | -76  | -71  | -68  | -67  | -62  | -63  | -68  | -62  | -59  | -59  | -59  | -61  | -61  | -63  | -69  |      |
|        | -65  | -65  | -66  | -69  | -79  | -81  | -79  | -79  | -86  | -96  | -92  | -85  | -77  | -66  | -56  | -48  | -43  | -37  | -31  | -26  | -25  | -32  | -26  | -31  | -60  |      |
|        | -27  | -24  | -29  | -36  | -60  | -72  | -97  | -119 | -134 | -145 | -151 | -152 | -147 | -145 | -150 | -157 | -164 | -175 | -188 | -199 | -183 | -170 | -166 | -172 | -128 |      |
|        | -175 | -181 | -183 | -185 | -185 | -183 | -186 | -193 | -202 | -203 | -196 | -187 | -180 | -182 | -177 | -180 | -187 | -188 | -190 | -186 | -187 | -188 | -191 | -188 | -187 |      |
|        | -180 | -175 | -173 | -164 | -164 | -163 | -163 | -162 | -167 | -172 | -168 | -162 | -151 | -149 | -150 | -153 | -152 | -151 | -157 | -155 | -163 | -179 | -194 | -164 | -204 |      |
|        | -197 | -195 | -189 | -186 | -185 | -184 | -184 | -180 | -183 | -183 | -187 | -185 | -188 | -187 | -191 | -205 | -213 | -224 | -226 | -235 | -234 | -236 | -255 | -269 | -204 |      |
|        | -258 | -258 | -270 | -265 | -282 | -284 | -285 | -280 | -293 | -301 | -283 | -264 | -254 | -247 | -249 | -238 | -230 | -231 | -214 | -203 | -198 | -195 | -199 | -192 | -249 |      |
|        | -198 | -193 | -191 | -188 | -186 | -185 | -185 | -177 | -177 | -187 | -190 | -203 | -206 | -202 | -196 | -192 | -196 | -211 | -214 | -228 | -228 | -220 | -206 | -206 | -200 |      |
|        | -204 | -194 | -205 | -213 | -216 | -217 | -211 | -199 | -192 | -188 | -181 | -170 | -165 | -163 | -170 | -171 | -172 | -184 | -205 | -208 | -216 | -217 | -212 | -221 | -196 |      |
|        | -224 | -229 | -234 | -229 | -224 | -256 | -251 | -251 | -259 | -261 | -258 | -255 | -250 | -241 | -238 | -249 | -261 | -266 | -267 | -278 | -283 | -286 | -300 | -255 | -255 |      |
|        | -307 | -297 | -299 | -276 | -257 | -244 | -231 | -211 | -199 | -183 | -168 | -161 | -154 | -144 | -142 | -136 | -130 | -122 | -108 | -126 | -148 | -170 | -182 | -179 | -191 |      |
|        | -185 | -192 | -194 | -198 | -198 | -205 | -213 | -217 | -219 | -225 | -231 | -231 | -228 | -228 | -229 | -231 | -237 | -242 | -248 | -253 | -258 | -269 | -275 | -283 | -290 | -233 |
|        | -289 | -297 | -286 | -310 | -325 | -329 | -336 | -326 | -302 | -291 | -282 | -270 | -256 | -235 | -225 | -215 | -199 | -191 | -188 | -188 | -190 | -186 | -181 | -177 | -253 |      |
|        | -177 | -177 | -176 | -175 | -171 | -176 | -225 | -254 | -272 | -273 | -251 | -237 | -224 | -218 | -216 | -221 | -218 | -210 | -210 | -207 | -214 | -232 | -248 | -256 | -218 |      |
|        | -259 | -266 | -271 | -278 | -281 | -285 | -289 | -291 | -294 | -296 | -303 | -305 | -301 | -299 | -300 | -302 | -304 | -303 | -304 | -304 | -302 | -302 | -295 | -286 | -285 |      |
|        | -285 | -283 | -283 | -280 | -277 | -276 | -273 | -271 | -267 | -265 | -262 | -257 | -252 | -249 | -242 | -239 | -238 | -235 | -231 | -232 | -230 | -226 | -223 | -222 | -254 |      |
|        | -221 | -219 | -219 | -217 | -215 | -217 | -218 | -217 | -220 | -219 | -220 | -220 | -221 | -220 | -220 | -218 | -219 | -222 | -223 | -226 | -228 | -236 | -241 | -245 | -223 |      |
|        | -253 | -265 | -272 | -283 | -289 | -292 | -302 | -308 | -313 | -311 | -315 | -309 | -290 | -276 | -265 | -259 | -273 | -283 | -283 | -285 | -285 | -299 | -299 | -306 | -288 |      |

MEAN -157 -160 -163 -165 -167 -169 -173 -173 -174 -175 -170 -163 -157 -152 -150 -150 -150 -153 -155 -156 -157 -158 -161 -163 -166 -162  
 MOYENNE

\*TEMPERATURES IN TENTHS OF DEGREES CELSIUS  
 \*TEMPERATURES EN DIXIEME DEGRES CELSIUS

DEW POINT SUMMARY  
 SUMMAIRE DES TEMPERATURES DE ROSEE

WINNIPEG INT'L AIRPORT

DECEMBER 1992  
 PAGE 4

| 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      | -20  | -25  | -27  | -21  | -23  | -21  | -27  | -33  | -47  | -35  | -36  | -30  | -24  | -36  | -45  | -46  | -51  | -56  | -55  | -57  | -59  | -60  | -60  | -66  | -40  |
| A      | -60  | -72  | -87  | -100 | -94  | -102 | -99  | -98  | -91  | -84  | -75  | -74  | -74  | -93  | -106 | -110 | -113 | -122 | -127 | -135 | -139 | -142 | -147 | -149 | -104 |
| T      | -151 | -165 | -160 | -171 | -156 | -137 | -136 | -145 | -139 | -134 | -133 | -135 | -130 | -125 | -129 | -128 | -133 | -136 | -133 | -127 | -117 | -119 | -116 | -117 | -136 |
| E      | -133 | -145 | -168 | -171 | -173 | -186 | -190 | -221 | -231 | -235 | -234 | -227 | -228 | -216 | -213 | -212 | -217 | -220 | -234 | -222 | -226 | -231 | -225 | -208 | -208 |
|        | -217 | -204 | -194 | -179 | -172 | -164 | -167 | -168 | -165 | -158 | -152 | -134 | -121 | -112 | -101 | -95  | -97  | -101 | -105 | -109 | -117 | -122 | -123 | -133 | -142 |
|        | -134 | -146 | -158 | -167 | -163 | -156 | -169 | -151 | -148 | -172 | -150 | -140 | -125 | -117 | -116 | -120 | -153 | -159 | -155 | -160 | -150 | -192 | -208 | -212 | -155 |
|        | -204 | -214 | -215 | -217 | -217 | -217 | -211 | -208 | -218 | -210 | -199 | -191 | -188 | -173 | -172 | -175 | -174 | -176 | -163 | -168 | -155 | -141 | -133 | -143 | -187 |
|        | -144 | -140 | -148 | -148 | -160 | -149 | -159 | -161 | -160 | -165 | -145 | -134 | -133 | -126 | -117 | -124 | -107 | -101 | -95  | -89  | -84  | -77  | -70  | -66  | -125 |
|        | -71  | -83  | -89  | -95  | -97  | -102 | -111 | -113 | -110 | -103 | -97  | -88  | -74  | -65  | -61  | -60  | -56  | -52  | -51  | -49  | -50  | -53  | -58  | -62  | -77  |
|        | -65  | -77  | -92  | -96  | -112 | -92  | -88  | -90  | -100 | -107 | -117 | -126 | -123 | -127 | -135 | -144 | -152 | -158 | -166 | -175 | -213 | -195 | -191 | -189 | -130 |
|        | -191 | -199 | -214 | -194 | -179 | -189 | -184 | -175 | -159 | -143 | -141 | -133 | -127 | -120 | -111 | -101 | -97  | -98  | -96  | -94  | -89  | -86  | -84  | -138 |      |
|        | -83  | -86  | -88  | -96  | -98  | -127 | -163 | -155 | -123 | -151 | -130 | -130 | -135 | -124 | -129 | -138 | -144 | -144 | -143 | -142 | -138 | -127 | -122 | -119 | -126 |
|        | -120 | -117 | -114 | -107 | -99  | -97  | -90  | -84  | -79  | -78  | -73  | -72  | -65  | -63  | -60  | -59  | -60  | -63  | -64  | -67  | -72  | -75  | -74  | -74  | -80  |
|        | -79  | -79  | -79  | -81  | -85  | -88  | -92  | -91  | -91  | -91  | -89  | -88  | -86  | -84  | -79  | -79  | -82  | -78  | -75  | -77  | -76  | -77  | -76  | -77  | -82  |
|        | -78  | -77  | -78  | -81  | -90  | -91  | -88  | -88  | -95  | -105 | -110 | -106 | -100 | -85  | -78  | -73  | -62  | -53  | -49  | -50  | -51  | -51  | -51  | -50  | -77  |
|        | -49  | -43  | -34  | -47  | -73  | -87  | -119 | -147 | -157 | -172 | -179 | -176 | -171 | -168 | -194 | -203 | -214 | -222 | -232 | -245 | -221 | -211 | -211 | -216 | -158 |
|        | -223 | -234 | -234 | -236 | -239 | -230 | -232 | -236 | -243 | -240 | -235 | -228 | -227 | -224 | -218 | -218 | -218 | -220 | -224 | -218 | -218 | -224 | -224 | -222 | -228 |
|        | -213 | -206 | -203 | -194 | -192 | -194 | -192 | -192 | -199 | -206 | -199 | -203 | -194 | -183 | -182 | -180 | -186 | -184 | -181 | -188 | -188 | -197 | -215 | -230 | -196 |
|        | -234 | -234 | -226 | -224 | -223 | -221 | -221 | -216 | -221 | -220 | -224 | -226 | -229 | -229 | -233 | -258 | -268 | -279 | -275 | -288 | -285 | -292 | -302 | -312 | -248 |
|        | -303 | -306 | -316 | -315 | -327 | -331 | -333 | -325 | -339 | -345 | -328 | -314 | -304 | -303 | -305 | -294 | -288 | -284 | -268 | -260 | -252 | -247 | -240 | -229 | -298 |
|        | -237 | -231 | -229 | -227 | -224 | -222 | -214 | -214 | -225 | -230 | -247 | -255 | -256 | -254 | -258 | -255 | -268 | -269 | -280 | -278 | -270 | -270 | -258 | -251 | -247 |
|        | -252 | -237 | -244 | -252 | -257 | -257 | -253 | -240 | -234 | -229 | -219 | -210 | -206 | -209 | -217 | -221 | -223 | -236 | -252 | -256 | -265 | -268 | -267 | -276 | -241 |
|        | -276 | -277 | -281 | -277 | -289 | -298 | -297 | -297 | -303 | -306 | -316 | -315 | -317 | -311 | -306 | -304 | -310 | -315 | -317 | -320 | -324 | -330 | -331 | -345 | -307 |
|        | -354 | -345 | -346 | -322 | -304 | -292 | -279 | -264 | -247 | -225 | -204 | -194 | -182 | -171 | -169 | -161 | -153 | -142 | -121 | -143 | -165 | -206 | -217 | -212 | -226 |
|        | -221 | -231 | -232 | -236 | -247 | -255 | -261 | -262 | -270 | -279 | -279 | -278 | -279 | -279 | -282 | -290 | -297 | -304 | -310 | -312 | -319 | -323 | -328 | -338 | -280 |
|        | -337 | -338 | -328 | -359 | -370 | -374 | -380 | -373 | -346 | -336 | -327 | -314 | -301 | -283 | -278 | -272 | -261 | -242 | -231 | -229 | -229 | -226 | -219 | -217 | -299 |
|        | -216 | -216 | -215 | -216 | -213 | -213 | -265 | -294 | -310 | -323 | -295 | -280 | -267 | -261 | -259 | -263 | -261 | -253 | -258 | -256 | -262 | -281 | -298 | -305 | -262 |
|        | -312 | -317 | -321 | -330 | -336 | -337 | -340 | -343 | -347 | -350 | -359 | -365 | -365 | -362 | -365 | -365 | -363 | -362 | -365 | -367 | -360 | -352 | -344 | -343 | -349 |
|        | -344 | -342 | -339 | -333 | -330 | -328 | -327 | -322 | -317 | -315 | -311 | -308 | -305 | -301 | -294 | -289 | -286 | -283 | -279 | -280 | -276 | -273 | -271 | -269 | -305 |
|        | -268 | -266 | -264 | -263 | -263 | -261 | -264 | -265 | -267 | -268 | -267 | -269 | -269 | -270 | -268 | -267 | -265 | -270 | -269 | -272 | -278 | -285 | -290 | -295 | -270 |
|        | -303 | -318 | -323 | -336 | -344 | -346 | -352 | -357 | -361 | -360 | -361 | -357 | -343 | -328 | -323 | -320 | -335 | -337 | -338 | -342 | -350 | -353 | -356 | -359 | -342 |

MEAN -190 -193 -195 -196 -198 -199 -203 -204 -205 -206 -201 -197 -192 -187 -187 -188 -188 -190 -191 -191 -193 -194 -196 -197 -200 -196  
 MOYENNE

\*TEMPERATURES IN TENTHS OF DEGREES CELSIUS  
 \*TEMPERATURES EN DIXIEME DEGRES CELSIUS

WIND SUMMARY  
SUMMAIRE DES VENTS

WINNIPEG INT'L AIRPORT

DECEMBER 1992  
PAGE 5

| D<br>A<br>Y<br>O<br>N<br>T<br>H | HOUR -> | DIR. |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | PEAK WIND<br>SPEED | TIME |
|---------------------------------|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--------------------|------|
|                                 |         | 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                               | S       | S    | SW  | W   | NW  | NW  | N   | N   | N   | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | 46 | 15:12              |      |
|                                 | 15      | 17   | 15  | 17  | 13  | 9   | 19  | 19  | 20  | 19  | 19  | 26  | 37  | 37  | 37  | 39  | 33  | 32  | 30  | 24  | 26  | 26  |     |     |    |                    |      |
| 2                               | NW      | NW   | W   | NW  | NW  | NW  | N   | C   | C   | SW  | WSW | SW  | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW |    |                    |      |
|                                 | 24      | 19   | 19  | 17  | 13  | 15  | 13  | 0   | 0   | 4   | 13  | 9   | 13  | 13  | 15  | 19  | 15  | 15  | 13  | 15  | 17  | 13  | 15  |     |    |                    |      |
| 3                               | S       | SW   | W   | W   | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  |    |                    |      |
|                                 | 9       | 6    | 17  | 19  | 9   | 17  | 19  | 15  | 19  | 20  | 22  | 17  | 11  | 13  | 19  | 13  | 13  | 13  | 15  | 19  | 15  | 11  | 11  | 11  |    |                    |      |
| 4                               | NW      | NW   | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  |    |                    |      |
|                                 | 20      | 20   | 20  | 19  | 22  | 20  | 28  | 20  | 19  | 9   | 17  | 19  | 13  | 19  | 17  | 13  | 15  | 13  | 13  | 13  | 15  | 19  | 22  |     |    |                    |      |
| 5                               | S       | S    | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | 44 | 05:22              |      |
|                                 | 20      | 26   | 24  | 39  | 33  | 32  | 35  | 35  | 30  | 30  | 24  | 24  | 20  | 20  | 22  | 22  | 20  | 24  | 22  | 20  | 24  | 22  | 26  | 17  |    |                    |      |
| 6                               | S       | SSW  | S   | SSW | W   | W   | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  |    |                    |      |
|                                 | 13      | 9    | 19  | 6   | 7   | 4   | 7   | 11  | 13  | 19  | 17  | 13  | 15  | 15  | 7   | 13  | 19  | 7   | 11  | 19  | 17  | 19  | 9   | 11  |    |                    |      |
| 7                               | W       | W    | WSW | WSW | C   | W   | S   | SSW | SSW | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   |    |                    |      |
|                                 | 11      | 9    | 4   | 4   | 0   | 7   | 7   | 4   | 6   | 4   | 6   | 6   | 4   | 6   | 4   | 7   | 6   | 7   | 7   | 9   | 13  | 9   | 9   | 9   |    |                    |      |
| 8                               | SSE     | SSE  | S   | SSE | SSE | S   | SSE | S   | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | 57 | 13:32              |      |
|                                 | 13      | 17   | 13  | 17  | 19  | 28  | 22  | 22  | 28  | 22  | 30  | 33  | 32  | 37  | 32  | 33  | 28  | 26  | 20  | 22  | 28  | 30  | 30  | 30  |    |                    |      |
| 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   | 33 | 11:58              |      |
|                                 | 26      | 22   | 19  | 22  | 22  | 20  | 17  | 20  | 24  | 24  | 22  | 20  | 33  | 32  | 24  | 24  | 20  | 32  | 32  | 20  | 22  | 28  | 26  | 24  |    |                    |      |
| 10                              | S       | SSW  | SW  | W   | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | 44 | 09:53              |      |
|                                 | 22      | 19   | 17  | 24  | 26  | 37  | 32  | 37  | 35  | 33  | 43  | 30  | 35  | 32  | 22  | 24  | 19  | 22  | 19  | 13  | 4   | 0   | 0   | 0   |    |                    |      |
| 11                              | SSE     | SSW  | SSE | SE  | SSE | SSE | SSE | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | SE  | 37 | 09:52              |      |
|                                 | 2       | 6    | 4   | 7   | 9   | 19  | 13  | 19  | 19  | 22  | 28  | 26  | 26  | 26  | 22  | 22  | 19  | 26  | 26  | 26  | 22  | 22  | 20  | 19  |    |                    |      |
| 12                              | S       | S    | S   | S   | C   | C   | NW  | NW  | NW  | N   | NNE | NNE | NNE | NNE | NNE | NNE | N   | NNE | NNE | NNE | NNE | NNE | NNE | NNE | 37 | 22:14              |      |
|                                 | 17      | 15   | 9   | 7   | 0   | 0   | 11  | 9   | 6   | 7   | 17  | 15  | 17  | 15  | 17  | 15  | 19  | 22  | 30  | 30  | 28  | 13  | 30  | 30  |    |                    |      |
| 13                              | NNE     | NE   | NNE | NNE | NE  | NE  | NE  | NE  | NE  | NE  | NE  | NE  | NE  | NE  | NE  | NE  | N   | NW  | NW  | NW  | NW  | NW  | NW  | NW  | 33 | 04:52              |      |
|                                 | 28      | 26   | 28  | 26  | 26  | 30  | 26  | 22  | 22  | 20  | 22  | 24  | 20  | 20  | 20  | 13  | 15  | 15  | 13  | 15  | 11  | 13  | 13  | 15  |    |                    |      |
| 14                              | NW      | W    | W   | W   | W   | WSW | W   | SW  | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | 56 | 21:17              |      |
|                                 | 13      | 13   | 15  | 11  | 9   | 13  | 13  | 11  | 11  | 11  | 17  | 20  | 20  | 24  | 22  | 24  | 32  | 28  | 28  | 37  | 37  | 41  | 41  | 39  |    |                    |      |
| 15                              | S       | S    | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | S   | 43 | 01:47              |      |
|                                 | 35      | 32   | 35  | 28  | 26  | 26  | 24  | 20  | 17  | 13  | 7   | 7   | 11  | 19  | 13  | 13  | 15  | 13  | 19  | 24  | 24  | 11  | 19  | 11  |    |                    |      |
| 16                              | W       | NW   | NW  | N   | NNE | N   | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | 41 | 06:31              |      |
|                                 | 9       | 15   | 11  | 20  | 30  | 22  | 30  | 35  | 32  | 26  | 28  | 22  | 17  | 20  | 13  | 15  | 15  | 15  | 11  | 11  | 11  | 7   | 9   | 9   |    |                    |      |

| HOUR ->               | DIRECTION |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | DIR. | PEAK WIND SPEED | TIME  |
|-----------------------|-----------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----------------|-------|
|                       | 00        | 01           | 02  | 03  | 04  | 05  | 06  | 07  | 08  | 09  | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  |      |                 |       |
| 17                    | NW        | NW           | N   | NE  | E   | NNE | SSE | SSE | SSE | S   | S   | SSW | S   | S   | S   | S   | SSE | S   | S   | SSE | SSE | SSE | SSE | SSE | N    | 82              | 20:22 |
| 18                    | SSE       | S            | SE  | ENE | E   | E   | NE  | NE  | NNE | NE  | NE  | NNE | NNE | NNE | NNE | NNE | NNE | N   | N   | N   | N   | N   | N   | N   | N    | 37              | 07:00 |
| 19                    | NW        | NW           | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | N    | 44              | 12:01 |
| 20                    | W         | W            | WSW | W   | W   | W   | SW  | WSW | SW  | SSE | S   | SSE | SSE | SE  | E   | E   | E   | NE  | NE  | NE  | NE  | NE  | NE  | NE  | N    | 32              | 00:14 |
| 21                    | NE        | NNE          | NE  | NE  | NNE | NNE | NNE | NNE | NNE | N   | N   | N   | N   | N   | N   | N   | N   | N   | N   | N   | N   | N   | N   | N   | N    | 50              | 23:16 |
| 22                    | C         | S            | SSE | S   | SSE | S   | S   | SSW | SSW | S   | SW  | WSW | WSW | W   | W   | NW  | NW  | W   | W   | W   | NW  | NW  | NW  | NW  | N    | 78              | 00:01 |
| 23                    | W         | NW           | W   | NW  | NW  | W   | W   | NW  | W   | W   | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | S    | 82              | 20:22 |
| 24                    | S         | S            | SSE | SSE | S   | SSE | SSE | SE  | SE  | SE  | SSE | SSE | S   | S   | S   | S   | SSW | W   | NW  | NW  | NW  | NW  | NW  | NW  | NW   | 50              | 23:16 |
| 25                    | 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   | 44              | 12:01 |
| 26                    | W         | WSW          | WSW | SSE | S   | S   | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SE  | SE  | ESE | ESE | SE  | E   | ESE | ESE | ESE | ESE | ESE | ESE  | 50              | 23:16 |
| 27                    | ESE       | E            | ESE | E   | ENE | NNE | N   | N   | N   | N   | NW  | NW  | NW  | NW  | NW  | NW  | N   | N   | N   | N   | N   | N   | N   | N   | N    | 50              | 23:16 |
| 28                    | 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    | 44              | 00:07 |
| 29                    | NE        | NNE          | NNE | NE  | NE  | NNE | NNE | NNE | NNE | NNE | NNE | NNE | NNE | NNE | NNE | NNE | NNE | N   | N   | N   | N   | N   | N   | N   | N    | 44              | 00:07 |
| 30                    | 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    | 44              | 12:01 |
| 31                    | 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    | 32              | 00:14 |
| EQUAL TO OR OVER      |           | 10           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |                 |       |
| NUMBER OF HOURS       | 631       |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 508  |                 |       |
| NUMBER OF DAYS        | 31        |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30   |                 |       |
| MAX CONSECUTIVE HOURS | 93        |              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 63   |                 |       |
|                       |           | WINDSPEED IS |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      | IN KM/HR        |       |

1. Overcast with periods of snow. Maximum temperature above normal, minimum well above normal. Winds light increasing to moderate by afternoon.
2. Overcast becoming clear early evening. Temperatures near normal. Winds light.
3. Clear becoming overcast with snow late morning. Maximum temperature slightly below normal, minimum near normal. Winds light.
4. Variable cloudiness with early morning ice crystals. Maximum temperature slightly below normal, minimum below normal. Winds light.
5. Overcast becoming clear early afternoon. Temperatures near normal. Winds moderate decreasing to light late evening.
6. Mainly sunny. Temperatures near normal. Winds light.
7. Mainly cloudy with visibility reduced to less than 1 km in snow and ice fog in early morning. Temperatures slightly below normal. Winds light.
8. Clear becoming mainly cloudy with snow mid morning. Snow ending late morning. Temperatures slightly above normal. Winds light increasing to moderate early morning.
9. Variable cloudiness with visibility reduced to less than 1 km in fog mid morning. Temperatures above normal. Winds light to moderate.
10. Variable cloudiness. Maximum temperature slightly above normal, minimum near normal. Winds moderate decreasing to light late afternoon.
11. Variable cloudiness. Temperatures near normal. Winds light increasing to moderate late morning then decreasing to light late evening.
12. Overcast. Temperatures near normal. Winds light increasing to moderate early evening.
13. Overcast with visibility reduced to less than 1 km in snow early morning. Maximum temperature slightly above normal, minimum well above normal. Winds moderate decreasing to light mid afternoon.
14. Overcast with light snow mid-morning to early afternoon. Maximum temperature slightly above normal, minimum well above normal. Winds light increasing to moderate early evening.
15. Overcast. Temperatures well above normal. Winds moderate decreasing to light early morning.
16. Overcast with freezing drizzle ending early morning and snow ending early afternoon. Maximum temperature well above normal, minimum near normal. Winds light increasing to moderate early morning then decreasing to light early afternoon.
17. Variable cloudiness with ice crystals late evening. Maximum temperature well below normal, minimum near normal. Winds light.
18. Overcast with snow. Maximum temperature below normal, minimum near normal. Winds light increasing to moderate early afternoon, then decreasing to light late evening.
19. Overcast with snow ending late morning. Clearing by early evening. Temperatures well below normal. Winds light.
20. Clear becoming overcast with snow late evening. Temperatures well below normal. Winds light.
21. Variable cloudiness with snow ending late morning. Snow beginning again overnight. Maximum temperature well below normal, minimum slightly below normal. Winds moderate decreasing to light early afternoon.
22. Variable cloudiness with snow ending early afternoon. Maximum temperature below normal, minimum slightly below normal. Winds light.
23. Clear. Temperatures well below normal. Winds light to moderate.
24. Clear becoming overcast with snow early morning. Visibilities reduced to less than one kilometer in snow and blowing snow early afternoon and overnight. Maximum temperature near normal, minimum well below normal. Winds moderate increasing to strong gusting gale late morning. Winds then increasing to gale late evening.
25. Mainly cloudy with visibilities less than 1 kilometer in blowing snow overnight then clearing early morning. Temperatures well below normal. Winds gale decreasing to strong early morning, then decreasing to light early evening.
26. Clear becoming overcast with snow beginning late afternoon. Temperatures well below normal. Winds light increasing to moderate early evening.
27. Variable cloudiness with snow ending early morning. Maximum temperature below normal, minimum well below normal. Winds light increasing to moderate early evening then increasing to strong late evening.
28. Overcast with snow and blowing snow ending late morning. Temperatures well below normal. Winds moderate decreasing to light late evening.
29. Overcast with snow. Temperatures well below normal. Winds light to moderate.
30. Overcast with snow and blowing snow. Maximum temperature well below normal, minimum slightly below normal. Winds moderate.
31. Variable cloudiness becoming clear midafternoon. Temperatures well below normal. Winds moderate decreasing to light mid-morning.

Like last year, the month can be divided into two halves with very different weather conditions. The first half of December, 1992 was cloudy and mild while the second half was sunny and very cold. However, both halves of the month were snowy, each with approximately the monthly average. Monthly total snowfall of 40.4 cm was twice the 1951-1980 normal for the second month in a row. Some people are wondering if they should remove the snow from the roof of their dwelling, others already have. The table below illustrates how the temperature changed from the first to the second half of the month.

|         | <u>TEMPERATURE</u> |       |       |
|---------|--------------------|-------|-------|
|         | High               | Low   | Mean  |
| 1-16th  | -5.8               | -14.6 | -10.2 |
| 17-31st | -18.9              | -27.6 | -23.3 |

The mean temperature for the month ended up 2.6 degrees below normal, mostly on the strength of the last 10 days in the month. The 10 day "festive" period, from the 22nd to the 31st was very cold and much different from last year. The mean temperature from the 22nd to the 31st was -24.5 degrees almost 20 degrees colder than the -4.6 degrees that we enjoyed last year.

Like most of the other months in 1992, December was cloudy and offered only 81.6 hours of sunshine compared to a normal of 92.6 hours.