

Winnipeg International Airport

Aéroport International du Winnipeg

January
1999
janvier

Monthly
Meteorological
Summary

Sommaire
Météorologique
Mensuel

Commercial Weather Services /
Services météorologiques commerciaux

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MONTHLY METEOROLOGICAL SUMMARY

SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada

Environnement Canada

WINNIPEG INTL A (YWG) MONTH/MOIS: January/janvier 1999

| DATE | TEMPERATURE TEMPERATURE | | | DEGREE-DAYS DEGRES-JOURS | | | REL HUMIDITY HUMIDITE REL | | PRECIPITATION PRECIPITATIONS | | | Snow On Ground |
|---------------|----------------------------|-------|-------|-----------------------------|---------|---------|------------------------------|-----|---------------------------------|----------|-------|----------------------|
| | MAX | MIN | MEAN | Heating | Growing | Cooling | MAX | MIN | Rainfall | Snowfall | Total | neige au sol |
| | C | C | C | base 18 | base 5 | base 18 | % | % | mm | cm | mm | cm |
| 1 | -19.2 | -27.5 | -23.4 | 41.4 | 0.0 | 0.0 | 72 | 55 | 0.0 | 2.0 | 1.8 | 10 |
| 2 | -19.4 | -21.2 | -20.3 | 38.3 | 0.0 | 0.0 | 74 | 67 | 0.0 | 3.0 | 2.0 | 12 |
| 3 | -21.2 | -29.3 | -25.3 | 43.3 | 0.0 | 0.0 | 68 | 59 | 0.0 | TR | TR | 12 |
| 4 | -21.5 | -30.6 | -26.1 | 44.1 | 0.0 | 0.0 | 69 | 57 | 0.0 | TR | TR | 10 |
| 5 | -17.9 | -26.5 | -22.2 | 40.2 | 0.0 | 0.0 | 74 | 62 | 0.0 | TR | TR | 11 |
| 6 | -21.4 | -30.3 | -25.9 | 43.9 | 0.0 | 0.0 | 66 | 54 | 0.0 | 0.0 | 0.0 | 11 |
| 7 | -19.8 | -26.9 | -23.4 | 41.4 | 0.0 | 0.0 | 63 | 48 | 0.0 | 0.0 | 0.0 | 11 |
| 8 | -22.4 | -29.7 | -26.1 | 44.1 | 0.0 | 0.0 | 66 | 47 | 0.0 | 0.0 | 0.0 | 11 |
| 9 | -21.2 | -30.5 | -25.9 | 43.9 | 0.0 | 0.0 | 77 | 58 | 0.0 | 0.4 | 0.4 | 11 |
| 10 | -24.1 | -32.8 | -28.5 | 46.5 | 0.0 | 0.0 | 65 | 52 | 0.0 | 0.0 | 0.0 | 11 |
| 11 | -22.9 | -33.4 | -28.2 | 46.2 | 0.0 | 0.0 | 70 | 58 | 0.0 | 1.0 | 1.0 | 11 |
| 12 | -28.6 | -37.0 | -32.8 | 50.8 | 0.0 | 0.0 | 76 | 54 | 0.0 | 0.0 | 0.0 | 11 |
| 13 | -17.6 | -30.8 | -24.2 | 42.2 | 0.0 | 0.0 | 73 | 57 | 0.0 | 2.0 | 2.0 | 11 |
| 14 | -12.5 | -20.9 | -16.7 | 34.7 | 0.0 | 0.0 | 93 | 73 | 0.0 | 2.0 | 2.0 | 9 |
| 15 | 1.8 | -12.7 | -5.5 | 23.5 | 0.0 | 0.0 | 100 | 83 | 0.2 | 3.0 | 4.0 | 8 |
| 16 | -0.2 | -6.7 | -3.5 | 21.5 | 0.0 | 0.0 | 82 | 70 | 0.0 | 0.0 | 0.0 | 8 |
| 17 | -4.3 | -13.1 | -8.7 | 26.7 | 0.0 | 0.0 | 92 | 80 | 0.0 | 0.0 | 0.0 | 7 |
| 18 | -10.7 | -24.9 | -17.8 | 35.8 | 0.0 | 0.0 | 91 | 69 | 0.0 | 0.0 | 0.0 | 7 |
| 19 | -16.4 | -25.6 | -21.0 | 39.0 | 0.0 | 0.0 | 78 | 71 | 0.0 | 2.8 | 1.4 | 10 |
| 20 | -18.8 | -30.0 | -24.4 | 42.4 | 0.0 | 0.0 | 73 | 64 | 0.0 | TR | TR | 8 |
| 21 | -6.1 | -23.8 | -15.0 | 33.0 | 0.0 | 0.0 | 88 | 71 | 0.0 | 0.0 | 0.0 | 7 |
| 22 | -6.8 | -9.1 | -8.0 | 26.0 | 0.0 | 0.0 | 95 | 86 | 0.0 | 1.0 | 1.0 | 9 |
| 23 | -8.6 | -9.7 | -9.2 | 27.2 | 0.0 | 0.0 | 90 | 85 | 0.0 | 1.5 | 1.5 | 12 |
| 24 | -9.6 | -19.5 | -14.6 | 32.6 | 0.0 | 0.0 | 94 | 81 | 0.0 | TR | TR | 12 |
| 25 | -11.4 | -21.3 | -16.4 | 34.4 | 0.0 | 0.0 | 85 | 75 | 0.0 | 0.0 | 0.0 | 11 |
| 26 | -7.6 | -21.5 | -14.6 | 32.6 | 0.0 | 0.0 | 94 | 74 | 0.0 | 0.0 | 0.0 | 11 |
| 27 | -7.9 | -14.0 | -11.0 | 29.0 | 0.0 | 0.0 | 89 | 76 | 0.0 | 0.0 | 0.0 | 10 |
| 28 | -7.5 | -17.3 | -12.4 | 30.4 | 0.0 | 0.0 | 94 | 78 | 0.0 | 0.0 | 0.0 | 10 |
| 29 | -1.6 | -10.7 | -6.2 | 24.2 | 0.0 | 0.0 | 85 | 67 | 0.0 | 0.0 | 0.0 | 10 |
| 30 | -3.7 | -8.7 | -6.2 | 24.2 | 0.0 | 0.0 | 87 | 77 | 0.0 | 0.0 | 0.0 | 10 |
| 31 | -0.4 | -8.7 | -4.6 | 22.6 | 0.0 | 0.0 | 86 | 62 | 0.0 | 0.0 | 0.0 | 9 |
| TOTAL | | | | 1106.1 | 0.0 | 0.0 | | | 0.2 | 18.7 | 17.1 | totale |
| MEAN | -13.2 | -22.1 | -17.7 | | | | 81 | 67 | | | | moyenne |
| NORMAL | -13.2 | -23.6 | -18.3 | 1129.1 | 0.0 | 0.0 | | | 0.3 | 22.6 | 19.3 | 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 INTLA (YWG) MONTH/MOIS: January/janvier 1999

DRY BULB TEMPERATURES / TEMPERATURES DU THERMOMETRE SEC

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 | -270 | -268 | -267 | -266 | -270 | -273 | -269 | -265 | -262 | -261 | -253 | -247 | -234 | -222 | -212 | -202 | -198 | -193 | -193 | -195 | -194 | -194 | -194 | -194 |
| 2 | -195 | -200 | -200 | -199 | -201 | -202 | -203 | -204 | -201 | -203 | -209 | -211 | -211 | -209 | -208 | -203 | -202 | -198 | -197 | -202 | -202 | -210 | -208 | -207 |
| 3 | -212 | -223 | -226 | -233 | -246 | -252 | -256 | -257 | -268 | -265 | -266 | -259 | -242 | -241 | -242 | -240 | -244 | -259 | -269 | -275 | -271 | -277 | -287 | -292 |
| 4 | -291 | -297 | -297 | -298 | -299 | -298 | -289 | -296 | -298 | -294 | -282 | -267 | -256 | -234 | -247 | -243 | -241 | -238 | -233 | -233 | -230 | -228 | -225 | -216 |
| 5 | -215 | -213 | -215 | -218 | -227 | -223 | -228 | -235 | -211 | -193 | -193 | -190 | -184 | -184 | -180 | -188 | -217 | -225 | -219 | -216 | -225 | -221 | -233 | -242 |
| 6 | -265 | -263 | -282 | -292 | -297 | -285 | -286 | -265 | -275 | -286 | -259 | -249 | -237 | -229 | -221 | -215 | -215 | -221 | -234 | -224 | -227 | -229 | -233 | -239 |
| 7 | -244 | -240 | -246 | -249 | -253 | -262 | -263 | -257 | -260 | -268 | -251 | -236 | -225 | -216 | -209 | -209 | -202 | -202 | -200 | -204 | -212 | -221 | -236 | -245 |
| 8 | -246 | -264 | -268 | -282 | -286 | -275 | -275 | -274 | -277 | -277 | -260 | -258 | -248 | -239 | -233 | -226 | -229 | -237 | -246 | -258 | -262 | -269 | -274 | -282 |
| 9 | -282 | -286 | -286 | -294 | -288 | -291 | -300 | -299 | -293 | -298 | -275 | -255 | -245 | -233 | -224 | -220 | -217 | -216 | -223 | -236 | -251 | -247 | -233 | -238 |
| 10 | -241 | -256 | -267 | -272 | -278 | -291 | -305 | -313 | -324 | -314 | -291 | -278 | -270 | -265 | -258 | -256 | -262 | -269 | -279 | -269 | -274 | -278 | -262 | -256 |
| 11 | -250 | -255 | -259 | -265 | -248 | -242 | -235 | -235 | -233 | -231 | -232 | -232 | -233 | -232 | -233 | -230 | -238 | -285 | -287 | -302 | -314 | -328 | -311 | -318 |
| 12 | -326 | -334 | -338 | -339 | -331 | -300 | -288 | -294 | -325 | -339 | -314 | -307 | -300 | -294 | -287 | -286 | -293 | -306 | -305 | -330 | -333 | -322 | -336 | -306 |
| 13 | -306 | -282 | -280 | -272 | -269 | -266 | -258 | -252 | -245 | -238 | -233 | -227 | -223 | -212 | -202 | -188 | -179 | -181 | -181 | -188 | -190 | -187 | -186 | -181 |
| 14 | -184 | -187 | -196 | -209 | -202 | -203 | -188 | -178 | -174 | -181 | -170 | -160 | -144 | -138 | -139 | -139 | -140 | -142 | -142 | -136 | -133 | -135 | -135 | -127 |
| 15 | -126 | -126 | -124 | -121 | -118 | -116 | -109 | -103 | -102 | -101 | -97 | -88 | -75 | -62 | -53 | -41 | -47 | -41 | -34 | -2 | 4 | 12 | 17 | 11 |
| 16 | -3 | -11 | -11 | -8 | -11 | -16 | -24 | -32 | -42 | -46 | -39 | -33 | -20 | -10 | -6 | -4 | -8 | -23 | -39 | -47 | -56 | -48 | -53 | -61 |
| 17 | -61 | -69 | -91 | -116 | -117 | -125 | -118 | -103 | -106 | -99 | -90 | -76 | -68 | -62 | -51 | -45 | -43 | -48 | -55 | -60 | -60 | -63 | -69 | -86 |
| 18 | -104 | -150 | -162 | -174 | -175 | -181 | -186 | -188 | -190 | -195 | -187 | -175 | -162 | -146 | -138 | -136 | -146 | -184 | -202 | -222 | -216 | -214 | -228 | -233 |
| 19 | -236 | -230 | -233 | -245 | -239 | -245 | -224 | -216 | -206 | -201 | -200 | -188 | -180 | -177 | -172 | -166 | -167 | -167 | -172 | -180 | -200 | -191 | -193 | -182 |
| 20 | -202 | -225 | -244 | -270 | -248 | -252 | -288 | -291 | -280 | -262 | -251 | -233 | -221 | -212 | -196 | -190 | -195 | -212 | -212 | -226 | -223 | -225 | -233 | -239 |
| 21 | -229 | -223 | -197 | -164 | -162 | -155 | -146 | -142 | -137 | -130 | -119 | -95 | -80 | -82 | -73 | -67 | -62 | -62 | -66 | -71 | -66 | -65 | -69 | -70 |
| 22 | -68 | -68 | -71 | -74 | -76 | -78 | -79 | -80 | -81 | -84 | -82 | -78 | -76 | -73 | -75 | -75 | -74 | -75 | -84 | -88 | -86 | -88 | -88 | -89 |
| 23 | -90 | -92 | -92 | -91 | -89 | -89 | -89 | -88 | -88 | -88 | -90 | -88 | -89 | -90 | -88 | -90 | -89 | -88 | -91 | -92 | -93 | -94 | -95 | -95 |
| 24 | -97 | -107 | -106 | -110 | -110 | -118 | -122 | -124 | -130 | -160 | -167 | -149 | -148 | -148 | -145 | -143 | -151 | -154 | -188 | -177 | -173 | -173 | -174 | -175 |
| 25 | -185 | -183 | -193 | -199 | -207 | -204 | -213 | -210 | -212 | -200 | -190 | -177 | -157 | -139 | -118 | -120 | -118 | -117 | -116 | -121 | -138 | -130 | -141 | -153 |
| 26 | -151 | -153 | -142 | -152 | -168 | -176 | -178 | -164 | -202 | -196 | -169 | -153 | -130 | -97 | -77 | -98 | -97 | -107 | -113 | -116 | -126 | -126 | -140 | -139 |
| 27 | -135 | -126 | -125 | -126 | -119 | -120 | -118 | -119 | -121 | -130 | -119 | -112 | -103 | -98 | -91 | -83 | -84 | -92 | -91 | -98 | -98 | -112 | -124 | -116 |
| 28 | -136 | -149 | -128 | -126 | -138 | -144 | -153 | -164 | -160 | -155 | -126 | -116 | -105 | -91 | -84 | -81 | -77 | -79 | -76 | -78 | -80 | -80 | -90 | -86 |
| 29 | -91 | -87 | -97 | -90 | -68 | -62 | -61 | -68 | -94 | -90 | -67 | -52 | -39 | -33 | -28 | -38 | -38 | -47 | -45 | -31 | -52 | -54 | -62 | -68 |
| 30 | -68 | -64 | -59 | -62 | -71 | -76 | -82 | -82 | -83 | -85 | -75 | -70 | -61 | -48 | -43 | -38 | -40 | -47 | -52 | -53 | -49 | -55 | -62 | -67 |
| 31 | -73 | -76 | -80 | -82 | -84 | -85 | -86 | -72 | -64 | -54 | -42 | -39 | -28 | -20 | -15 | -13 | -18 | -12 | -14 | -9 | -9 | -11 | -13 | -13 |

NOTE/AVIS: 1. Unit = 0.1 C 1. Unite = 0.1 C

WINNIPEG INTL A (YWG) MONTH/MOIS: January/janvier 1999

PRECIPITATION OCCURRENCES / EVENEMENT DES PRECIPITATIONS

| Date | HOUR / HEURE | | | | | | | | | | | | | | | | | | | | | | | |
|------|--------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 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 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 2 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 3 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 4 | S | S | S | S | S | S | S | S | S | S | 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 | S | S | S | S | S |
| 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 |
| 7 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 8 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 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 |
| 10 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 11 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 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 |
| 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 |
| 14 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 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 |
| 16 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 17 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 18 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 19 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 20 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 21 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 22 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 23 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 24 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 25 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 26 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 27 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 28 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 29 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 30 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 31 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |

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

WINNIPEG INTLA (YWG) MONTH/MOIS: January/janvier 1999

| | | WINDS (km/h) | | | | | | | | | | DES VENTS (km/h) | | | | | | | | | | Pk Gust | Hour | | | | |
|------|------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|------|-----|-----|--------|--|
| Hour | 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 | Rafaie | |
| 1 | E | SE | S | SSE | SE | SE | SE | SE | SE | ESE | ESE | ESE | E | ESE | E | E | E | E | E | E | E | E | E | NE | ENE | | |
| 1 | | 13 | 15 | 13 | 11 | 13 | 11 | 13 | 15 | 15 | 15 | 19 | 13 | 17 | 19 | 20 | 19 | 17 | 19 | 20 | 13 | 17 | 11 | 11 | 11 | | |
| 2 | ENE | NE | NNE | NE | NE | NNE | NNE | NNE | NNE | N | N | N | N | N | N | N | N | NNW | NNW | N | N | N | N | N | N | | |
| 2 | | 13 | 11 | 13 | 15 | 13 | 15 | 17 | 15 | 11 | 15 | 17 | 19 | 17 | 15 | 13 | 13 | 13 | 15 | 17 | 17 | 15 | 19 | 22 | | | |
| 3 | N | NNW | N | NNW | NNW | NNW | NNW | NNW | NNW | NNW | NNW | NNW | N | N | NNW | NNW | NNW | NW | NW | NW | NNW | NNW | NW | NW | NW | 1400 | |
| 3 | | 20 | 17 | 22 | 24 | 20 | 20 | 19 | 20 | 20 | 20 | 24 | 20 | 24 | 26 | 30 | 26 | 22 | 24 | 20 | 17 | 20 | 19 | 13 | 11 | 35 | |
| 4 | NW | WNW | WNW | W | W | W | W | W | W | SW | SW | SW | SW | SW | S | S | S | S | S | S | S | S | S | S | S | | |
| 4 | | 13 | 15 | 17 | 15 | 13 | 13 | 13 | 15 | 11 | 13 | 11 | 15 | 13 | 19 | 20 | 22 | 22 | 24 | 22 | 24 | 24 | 22 | 28 | 24 | 33 | |
| 5 | S | SSW | S | S | S | S | S | S | S | SW | SW | WNW | NW | NW | NNW | NNW | NW | NW | NW | NW | NNW | NNW | NNW | NNW | S | | |
| 5 | | 22 | 24 | 20 | 15 | 19 | 15 | 9 | 6 | 6 | 9 | 13 | 13 | 19 | 19 | 15 | 13 | 9 | 13 | 19 | 17 | 15 | 15 | 19 | 33 | | |
| 6 | NW | NW | NW | W | WNW | NW | NW | WNW | W | W | W | W | W | W | W | W | W | W | WSW | W | W | W | W | W | W | | |
| 6 | | 15 | 20 | 15 | 15 | 15 | 19 | 17 | 22 | 19 | 15 | 20 | 22 | 26 | 26 | 22 | 19 | 20 | 15 | 20 | 26 | 26 | 26 | 22 | 35 | | |
| 7 | W | W | W | W | W | W | WSW | W | W | W | WSW | WSW | W | W | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | W | W | | |
| 7 | | 19 | 19 | 19 | 22 | 22 | 13 | 17 | 19 | 19 | 13 | 15 | 13 | 19 | 13 | 9 | 11 | 17 | 15 | 17 | 15 | 15 | 9 | 11 | 11 | | |
| 8 | W | NW | WNW | WNW | WNW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | WSW | | |
| 8 | | 11 | 13 | 11 | 17 | 13 | 13 | 13 | 13 | 15 | 19 | 19 | 15 | 15 | 13 | 17 | 17 | 15 | 15 | 20 | 13 | 17 | 13 | 9 | | | |
| 9 | W | W | W | W | W | WSW | S | SSW | SSW | S | SSW | SSW | SSW | SSW | S | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | | |
| 9 | | 15 | 13 | 13 | 13 | 13 | 11 | 9 | 11 | 13 | 13 | 15 | 19 | 17 | 20 | 19 | 19 | 20 | 13 | 11 | 9 | 20 | 20 | 24 | 28 | | |
| 10 | NNW | NNW | NNW | NW | NNW | NW | NNW | NW | NNW | W | W | W | WSW | WSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | | |
| 10 | | 32 | 22 | 19 | 20 | 20 | 15 | 11 | 11 | 11 | 13 | 13 | 15 | 13 | 15 | 13 | 15 | 13 | 17 | 13 | 11 | 9 | 13 | 11 | 7 | | |
| 11 | SSW | SSW | S | E | C | C | NNE | C | NNE | ENE | ENE | NE | NNE | NNE | NNE | N | WNW | W | NW | NNW | N | WSW | W | W | | | |
| 11 | | 7 | 6 | 4 | 4 | 0 | 0 | 4 | 0 | 4 | 9 | 7 | 7 | 9 | 13 | 11 | 9 | 6 | 15 | 13 | 17 | 17 | 7 | 6 | 11 | | |
| 12 | W | NW | NNW | NW | NNW | NNW | N | NNW | N | NNE | N | N | N | N | NNE | NNE | ENE | ENE | ENE | ENE | ENE | ENE | ENE | ENE | ENE | | |
| 12 | | 7 | 9 | 6 | 13 | 11 | 7 | 11 | 7 | 13 | 7 | 13 | 15 | 17 | 17 | 15 | 13 | 17 | 7 | 4 | 9 | 4 | 13 | 15 | | | |
| 13 | E | SE | SSE | SSE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | ESE | ESE | SE | SE | SE | SE | SE | SE | | |
| 13 | | 11 | 19 | 15 | 20 | 24 | 24 | 22 | 24 | 20 | 22 | 28 | 30 | 26 | 28 | 24 | 26 | 22 | 20 | 26 | 32 | 20 | 19 | 17 | 20 | | |
| 14 | SE | SE | SE | SE | SSE | SSE | SSE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | SSE | S | S | S | S | S | | |
| 14 | | 17 | 17 | 13 | 13 | 13 | 17 | 19 | 20 | 20 | 17 | 15 | 22 | 39 | 37 | 37 | 39 | 35 | 41 | 39 | 52 | 46 | 50 | 56 | 52 | | |
| 15 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SSW | SSW | SSW | SSW | SSW | SSW | | |
| 15 | | 57 | 59 | 57 | 56 | 57 | 44 | 43 | 43 | 41 | 46 | 35 | 28 | 17 | 15 | 11 | 11 | 15 | 13 | 11 | 13 | 30 | 28 | 28 | 28 | | |
| 16 | W | W | W | W | W | W | W | W | W | W | W | W | W | W | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | | |
| 16 | | 32 | 33 | 30 | 30 | 32 | 26 | 17 | 19 | 26 | 28 | 26 | 19 | 22 | 19 | 19 | 17 | 11 | 11 | 7 | 11 | 19 | 13 | 13 | | | |
| 17 | WSW | WSW | SSW | S | S | S | C | C | C | C | N | NE | NNE | NNE | N | N | N | N | N | N | N | NNE | N | N | N | | |
| 17 | | 9 | 9 | 11 | 11 | 13 | 9 | 4 | 6 | 0 | 0 | 0 | 9 | 9 | 13 | 20 | 20 | 22 | 24 | 26 | 15 | 19 | 20 | 28 | | | |
| 18 | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NNW | NW | NNW | NW | NNW | NNW | WNW | NW | NW | NNW | NNW | NNW | NNW | NNW | | | |
| 18 | | 19 | 15 | 13 | 15 | 17 | 15 | 19 | 13 | 22 | 13 | 13 | 11 | 13 | 15 | 19 | 11 | 9 | 6 | 13 | 7 | 7 | 7 | 4 | | | |
| 19 | C | NNE | C | C | C | C | NNE | ENE | C | NE | C | NE | NNE | NNE | NE | NE | NE | NE | NE | NNE | NNE | NNE | NNE | NNE | | | |
| 19 | | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 6 | 0 | 6 | 0 | 4 | 7 | 13 | 15 | 13 | 19 | 17 | 19 | 15 | 11 | 13 | 11 | | | |
| 20 | N | N | N | C | C | C | C | C | C | NE | C | C | C | C | N | N | NE | NE | NE | C | C | C | C | C | C | | |
| 20 | | 9 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 7 | 6 | 6 | 0 | 0 | 0 | 0 | | |
| 21 | C | C | ENE | ENE | ENE | E | E | E | E | E | ESE | ESE | ESE | E | ESE | E | E | NE | NE | ENE | ENE | NE | NE | ENE | | | |
| 21 | | 0 | 0 | 6 | 9 | 6 | 6 | 6 | 9 | 6 | 9 | 11 | 7 | 9 | 17 | 13 | 19 | 13 | 11 | 9 | 13 | 11 | 7 | 11 | 7 | | |
| 22 | E | ENE | NNE | NE | NE | NE | NNE | NE | NNE | NNE | NNE | NE | NNE | N | N | NNE | NE | N | NNE | NNE | NNE | NNE | NNE | NNE | | | |
| 22 | | 11 | 6 | 9 | 15 | 15 | 11 | 17 | 19 | 15 | 15 | 17 | 19 | 20 | 19 | 17 | 19 | 13 | 17 | 19 | 13 | 20 | 15 | 7 | | | |
| 23 | N | N | N | NNE | N | N | NNW | NNW | N | N | N | N | N | NW | NW | NNW | N | NNW | NNW | NNW | NNW | NNW | NNW | NNW | | | |
| 23 | | 9 | 9 | 7 | 13 | 7 | 7 | 11 | 9 | 9 | 13 | 15 | 11 | 15 | 15 | 17 | 15 | 19 | 9 | 13 | 15 | 17 | 20 | 17 | | | |
| 24 | NNW | NNW | NNW | NW | NW | NW | NNW | NW | NNW | NW | NNW | NNW | NW | NNW | NNW | NW | WNW | WNW | NW | WNW | WNW | WNW | WNW | WNW | | | |
| 24 | | 15 | 15 | 19 | 20 | 22 | 24 | 24 | 22 | 19 | 13 | 15 | 24 | 9 | 13 | 20 | 13 | 13 | 17 | 13 | 11 | 7 | 7 | 11 | 11 | | |
| 25 | SW | SW | SW | SSW | SW | SSW | SSW | SSW | SSW | S | S | S | SSW | SSW | SSW | S | S | S | S | S | S | S | S | S | S | | |
| 25 | | 15 | 19 | 17 | 15 | 15 | 19 | 22 | 24 | 28 | 32 | 37 | 33 | 28 | 28 | 33 | 26 | 28 | 22 | 30 | 30 | 20 | 20 | 15 | 11 | | |
| 26 | SSW | SSW | W | W | WNW | WNW | C | C | C | C | C | S | C | NNW | NNE | NE | NNE | NE | NNE | NE | NE | NE | NNE | NNE | | | |
| 26 | | 13 | 9 | 11 | 11 | 17 | 9 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 4 | 9 | 9 | 15 | 19 | 17 | 24 | 20 | 19 | 19 | 13 | | |
| 27 | NE | NE | NE | NE | NE | NNE | NE | NE | NE | NNE | NNE | NE | NE | NE | NNE | NNE | NNE | NE | NNE | NE | NNE | ENE | NE | E | SE | | |
| 27 | | 19 | 13 | 19 | 15 | 13 | 20 | 19 | 19 | 17 | 11 | 13 | 17 | 13 | 17 | 13 | 17 | 11 | 15 | 17 | 6 | 7 | 6 | 7 | 4 | | |
| 28 | NW | C | ESE | SE | SE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | | |
| 28 | | 4 | 0 | 9 | 13 | 11 | 11 | 11 | 13 | 15 | 7 | 19 | 19 | 22 | 22 | 26 | 35 | 20 | 32 | 35 | 41 | 41 | 41 | 32 | 33 | | |
| 29 | S | SSW | S | SW | W | W | WSW | W | W | WSW | WSW | W | C | S | S | SSE | S | S | S | S | S | S | S | S | S | | |
| 29 | | 28 | 26 | 22 | 17 | 22 | 24 | 19 | 20 | 13 | 15 | 15 | 11 | 4 | 0 | 9 | 17 | 11 | 17 | 22 | 30 | 30 | 28 | 30 | 32 | | |
| 30 | 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 | | |
| 30 | | 33 | 33 | 37 | 24 | 33 | 33 | 33 | 33 | 30 | 26 | 24 | 33 | 33 | 32 | 39 | 35 | 35 | 28 | 28 | 28 | 33 | 33 | 32 | 30 | | |
| 31 | 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 | | |
| 31 | | 26 | 28 | 28 | 26 | 32 | 30 | 24 | 33 | 37 | 44 | 44 | 43 | 48 | 50 | 48 | 43 | 48 | 44 | 35 | 43 | 41 | 43 | 46 | 48 | | |

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 | E | N | NNW | S | NW | W | W | W | SSW | SW | NNE | N | SE | S | S | W | N | NW | NNE | N | E | NNE | N | NW | SSW | NE | NE | S | S | S | S |
| avgV | 15 | 15 | 21 | 18 | 15 | 20 | 16 | 15 | 16 | 15 | 8 | 11 | 22 | 30 | 33 | 21 | 13 | 13 | 8 | 2 | 9 | 15 | 13 | 16 | 24 | 11 | 14 | 21 | 19 | 32 | 39 |
| dir2 | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NOTE/AVIS: * indicates/indique < 24 hrs and/et >=18 hrs Pdir=Prevailing direction/Direction dominante dir2=2nd Pdir/2ieme Pdir