

| Date | Time (HH) | Wind speed (m/s) | Wind direction (deg) |
|------------|-----------|------------------|----------------------|
| 2017/12/5 | 0 | 0.06 | 101 |
| 2017/12/5 | 1 | 0.13 | 61 |
| 2017/12/5 | 2 | 0.10 | 89 |
| 2017/12/5 | 3 | 0.09 | 98 |
| 2017/12/5 | 4 | 0.07 | 62 |
| 2017/12/5 | 5 | 0.14 | 162 |
| 2017/12/5 | 6 | 0.03 | 178 |
| 2017/12/5 | 7 | 0.03 | 193 |
| 2017/12/5 | 8 | 0.02 | 284 |
| 2017/12/5 | 9 | 0.07 | 245 |
| 2017/12/5 | 10 | 0.02 | 218 |
| 2017/12/5 | 11 | 0.02 | 259 |
| 2017/12/5 | 12 | 0.03 | 324 |
| 2017/12/5 | 13 | 0.03 | 297 |
| 2017/12/5 | 14 | 0.02 | 233 |
| 2017/12/5 | 15 | 0.05 | 268 |
| 2017/12/5 | 16 | 0.03 | 168 |
| 2017/12/5 | 17 | 0.07 | 93 |
| 2017/12/5 | 18 | 0.09 | 55 |
| 2017/12/5 | 19 | 0.02 | 106 |
| 2017/12/5 | 20 | 0.29 | 187 |
| 2017/12/5 | 21 | 0.34 | 186 |
| 2017/12/5 | 22 | 0.32 | 184 |
| 2017/12/5 | 23 | 0.08 | 181 |
| 2017/12/6 | 0 | 0.16 | 176 |
| 2017/12/6 | 1 | 0.11 | 182 |
| 2017/12/6 | 2 | 0.12 | 187 |
| 2017/12/6 | 3 | 0.05 | 171 |
| 2017/12/6 | 4 | 0.02 | 106 |
| 2017/12/6 | 5 | 0.02 | 119 |
| 2017/12/6 | 6 | 0.02 | 183 |
| 2017/12/6 | 7 | 0.02 | 174 |
| 2017/12/6 | 8 | 0.09 | 138 |
| 2017/12/6 | 9 | 0.24 | 163 |
| 2017/12/6 | 10 | 0.31 | 181 |
| 2017/12/6 | 11 | 0.21 | 93 |
| 2017/12/6 | 12 | 0.08 | 211 |
| 2017/12/6 | 13 | 0.01 | 221 |
| 2017/12/6 | 14 | 0.26 | 108 |
| 2017/12/6 | 15 | 2.14 | 180 |
| 2017/12/6 | 16 | 0.96 | 195 |
| 2017/12/6 | 17 | 0.95 | 188 |
| 2017/12/6 | 18 | 1.03 | 162 |
| 2017/12/6 | 19 | 0.30 | 192 |
| 2017/12/6 | 20 | 0.04 | 133 |
| 2017/12/6 | 21 | 0.10 | 157 |
| 2017/12/6 | 22 | 0.02 | 212 |
| 2017/12/6 | 23 | 0.06 | 100 |
| 2017/12/11 | 0 | 0.03 | 256 |
| 2017/12/11 | 1 | 0.03 | 247 |
| 2017/12/11 | 2 | 0.02 | 151 |
| 2017/12/11 | 3 | 0.02 | 192 |
| 2017/12/11 | 4 | 0.03 | 104 |
| 2017/12/11 | 5 | 0.28 | 174 |
| 2017/12/11 | 6 | 0.28 | 185 |
| 2017/12/11 | 7 | 0.02 | 146 |
| 2017/12/11 | 8 | 0.05 | 69 |
| 2017/12/11 | 9 | 0.05 | 197 |
| 2017/12/11 | 10 | 0.08 | 252 |
| 2017/12/11 | 11 | 0.02 | 148 |
| 2017/12/11 | 12 | 0.02 | 229 |
| 2017/12/11 | 13 | 0.05 | 167 |
| 2017/12/11 | 14 | 0.03 | 167 |
| 2017/12/11 | 15 | 0.02 | 156 |
| 2017/12/11 | 16 | 0.63 | 185 |
| 2017/12/11 | 17 | 0.64 | 184 |
| 2017/12/11 | 18 | 0.36 | 160 |
| 2017/12/11 | 19 | 0.36 | 167 |
| 2017/12/11 | 20 | 0.12 | 116 |
| 2017/12/11 | 21 | 0.17 | 113 |
| 2017/12/11 | 22 | 0.04 | 128 |
| 2017/12/11 | 23 | 0.03 | 199 |

| Date | Time (HH) | Wind speed (m/s) | Wind direction (deg) |
|------------|-----------|------------------|----------------------|
| 2017/12/12 | 0 | 0.02 | 229 |
| 2017/12/12 | 1 | 0.03 | 236 |
| 2017/12/12 | 2 | 0.11 | 156 |
| 2017/12/12 | 3 | 0.02 | 93 |
| 2017/12/12 | 4 | 0.02 | 84 |
| 2017/12/12 | 5 | 0.08 | 166 |
| 2017/12/12 | 6 | 0.02 | 183 |
| 2017/12/12 | 7 | 0.02 | 178 |
| 2017/12/12 | 8 | 0.04 | 257 |
| 2017/12/12 | 9 | 0.05 | 203 |
| 2017/12/12 | 10 | 0.12 | 179 |
| 2017/12/12 | 11 | 0.03 | 219 |
| 2017/12/12 | 12 | 0.02 | 190 |
| 2017/12/12 | 13 | 0.03 | 178 |
| 2017/12/12 | 14 | 0.04 | 184 |
| 2017/12/12 | 15 | 0.08 | 153 |
| 2017/12/12 | 16 | 0.90 | 147 |
| 2017/12/12 | 17 | 0.43 | 100 |
| 2017/12/12 | 18 | 0.78 | 142 |
| 2017/12/12 | 19 | 0.38 | 147 |
| 2017/12/12 | 20 | 0.33 | 167 |
| 2017/12/12 | 21 | 0.63 | 162 |
| 2017/12/12 | 22 | 1.31 | 160 |
| 2017/12/12 | 23 | 0.17 | 112 |
| 2017/12/14 | 0 | 1.90 | 151 |
| 2017/12/14 | 1 | 2.88 | 158 |
| 2017/12/14 | 2 | 0.70 | 174 |
| 2017/12/14 | 3 | 0.06 | 173 |
| 2017/12/14 | 4 | 0.02 | 95 |
| 2017/12/14 | 5 | 0.05 | 170 |
| 2017/12/14 | 6 | 0.81 | 136 |
| 2017/12/14 | 7 | 1.49 | 165 |
| 2017/12/14 | 8 | 0.22 | 169 |
| 2017/12/14 | 9 | 0.24 | 123 |
| 2017/12/14 | 10 | 0.81 | 169 |
| 2017/12/14 | 11 | 0.22 | 167 |
| 2017/12/14 | 12 | 0.10 | 177 |
| 2017/12/14 | 13 | 0.06 | 194 |
| 2017/12/14 | 14 | 0.73 | 180 |
| 2017/12/14 | 15 | 1.40 | 149 |
| 2017/12/14 | 16 | 0.95 | 167 |
| 2017/12/14 | 17 | 0.30 | 163 |
| 2017/12/14 | 18 | 0.94 | 154 |
| 2017/12/14 | 19 | 0.61 | 133 |
| 2017/12/14 | 20 | 0.52 | 159 |
| 2017/12/14 | 21 | 0.02 | 123 |
| 2017/12/14 | 22 | 0.08 | 104 |
| 2017/12/14 | 23 | 0.08 | 137 |
| 2017/12/15 | 0 | 0.78 | 169 |
| 2017/12/15 | 1 | 0.64 | 166 |
| 2017/12/15 | 2 | 0.42 | 176 |
| 2017/12/15 | 3 | 0.06 | 100 |
| 2017/12/15 | 4 | 0.09 | 140 |
| 2017/12/15 | 5 | 0.06 | 140 |
| 2017/12/15 | 6 | 0.09 | 112 |
| 2017/12/15 | 7 | 0.10 | 134 |
| 2017/12/15 | 8 | 0.41 | 184 |
| 2017/12/15 | 9 | 0.25 | 96 |
| 2017/12/15 | 10 | 0.49 | 158 |
| 2017/12/15 | 11 | 1.28 | 177 |
| 2017/12/15 | 12 | 0.09 | 216 |
| 2017/12/15 | 13 | 0.04 | 300 |
| 2017/12/15 | 14 | 0.02 | 252 |
| 2017/12/15 | 15 | 0.03 | 101 |
| 2017/12/15 | 16 | 0.02 | 94 |
| 2017/12/15 | 17 | 0.02 | 70 |
| 2017/12/15 | 18 | 0.03 | 151 |
| 2017/12/15 | 19 | 0.16 | 202 |
| 2017/12/15 | 20 | 0.22 | 197 |
| 2017/12/15 | 21 | 0.11 | 192 |
| 2017/12/15 | 22 | 0.09 | 167 |
| 2017/12/15 | 23 | 0.02 | 164 |

| Date | Time (HH) | Wind speed (m/s) | Wind direction (deg) |
|------------|-----------|------------------|----------------------|
| 2017/12/20 | 0 | 0.09 | 255 |
| 2017/12/20 | 1 | 0.11 | 283 |
| 2017/12/20 | 2 | 0.13 | 269 |
| 2017/12/20 | 3 | 0.15 | 283 |
| 2017/12/20 | 4 | 0.18 | 292 |
| 2017/12/20 | 5 | 0.19 | 217 |
| 2017/12/20 | 6 | 0.08 | 271 |
| 2017/12/20 | 7 | 0.07 | 298 |
| 2017/12/20 | 8 | 0.18 | 306 |
| 2017/12/20 | 9 | 0.22 | 304 |
| 2017/12/20 | 10 | 0.21 | 229 |
| 2017/12/20 | 11 | 0.15 | 305 |
| 2017/12/20 | 12 | 0.22 | 277 |
| 2017/12/20 | 13 | 0.19 | 198 |
| 2017/12/20 | 14 | 0.14 | 253 |
| 2017/12/20 | 15 | 0.17 | 179 |
| 2017/12/20 | 16 | 0.11 | 296 |
| 2017/12/20 | 17 | 0.09 | 285 |
| 2017/12/20 | 18 | 0.05 | 292 |
| 2017/12/20 | 19 | 0.12 | 182 |
| 2017/12/20 | 20 | 0.04 | 194 |
| 2017/12/20 | 21 | 0.04 | 179 |
| 2017/12/20 | 22 | 0.12 | 283 |
| 2017/12/20 | 23 | 0.09 | 242 |
| 2017/12/21 | 0 | 0.03 | 168 |
| 2017/12/21 | 1 | 0.07 | 118 |
| 2017/12/21 | 2 | 0.11 | 149 |
| 2017/12/21 | 3 | 0.04 | 205 |
| 2017/12/21 | 4 | 0.10 | 292 |
| 2017/12/21 | 5 | 0.02 | 102 |
| 2017/12/21 | 6 | 0.03 | 185 |
| 2017/12/21 | 7 | 0.05 | 172 |
| 2017/12/21 | 8 | 0.04 | 129 |
| 2017/12/21 | 9 | 0.14 | 146 |
| 2017/12/21 | 10 | 0.08 | 142 |
| 2017/12/21 | 11 | 0.13 | 146 |
| 2017/12/21 | 12 | 1.75 | 151 |
| 2017/12/21 | 13 | 3.06 | 155 |
| 2017/12/21 | 14 | 3.78 | 169 |
| 2017/12/21 | 15 | 1.59 | 152 |
| 2017/12/21 | 16 | 1.33 | 171 |
| 2017/12/21 | 17 | 0.65 | 154 |
| 2017/12/21 | 18 | 0.06 | 51 |
| 2017/12/21 | 19 | 0.10 | 84 |
| 2017/12/21 | 20 | 0.06 | 45 |
| 2017/12/21 | 21 | 0.14 | 104 |
| 2017/12/21 | 22 | 0.05 | 187 |
| 2017/12/21 | 23 | 0.08 | 153 |
| 2017/12/23 | 0 | 0.68 | 144 |
| 2017/12/23 | 1 | 0.19 | 241 |
| 2017/12/23 | 2 | 1.19 | 198 |
| 2017/12/23 | 3 | 1.28 | 189 |
| 2017/12/23 | 4 | 0.80 | 186 |
| 2017/12/23 | 5 | 0.46 | 195 |
| 2017/12/23 | 6 | 0.02 | 186 |
| 2017/12/23 | 7 | 0.03 | 154 |
| 2017/12/23 | 8 | 0.02 | 102 |
| 2017/12/23 | 9 | 0.57 | 165 |
| 2017/12/23 | 10 | 0.30 | 129 |
| 2017/12/23 | 11 | 0.05 | 189 |
| 2017/12/23 | 12 | 0.18 | 282 |
| 2017/12/23 | 13 | 0.09 | 301 |
| 2017/12/23 | 14 | 0.03 | 232 |
| 2017/12/23 | 15 | 0.07 | 129 |
| 2017/12/23 | 16 | 0.07 | 126 |
| 2017/12/23 | 17 | 0.06 | 200 |
| 2017/12/23 | 18 | 0.02 | 177 |
| 2017/12/23 | 19 | 0.12 | 183 |
| 2017/12/23 | 20 | 0.23 | 187 |
| 2017/12/23 | 21 | 0.04 | 187 |
| 2017/12/23 | 22 | 0.10 | 109 |
| 2017/12/23 | 23 | 0.06 | 185 |

| Date | Time (HH) | Wind speed (m/s) | Wind direction (deg) |
|------------|-----------|------------------|----------------------|
| 2017/12/24 | 0 | 0.02 | 145 |
| 2017/12/24 | 1 | 0.02 | 83 |
| 2017/12/24 | 2 | 0.05 | 24 |
| 2017/12/24 | 3 | 0.02 | 30 |
| 2017/12/24 | 4 | 0.02 | 53 |
| 2017/12/24 | 5 | 0.05 | 81 |
| 2017/12/24 | 6 | 0.02 | 52 |
| 2017/12/24 | 7 | 0.06 | 66 |
| 2017/12/24 | 8 | 0.07 | 93 |
| 2017/12/24 | 9 | 0.04 | 157 |
| 2017/12/24 | 10 | 0.05 | 76 |
| 2017/12/24 | 11 | 0.06 | 180 |
| 2017/12/24 | 12 | 0.05 | 129 |
| 2017/12/24 | 13 | 0.08 | 202 |
| 2017/12/24 | 14 | 0.11 | 229 |
| 2017/12/24 | 15 | 0.11 | 276 |
| 2017/12/24 | 16 | 0.07 | 287 |
| 2017/12/24 | 17 | 0.04 | 328 |
| 2017/12/24 | 18 | 0.04 | 215 |
| 2017/12/24 | 19 | 0.03 | 180 |
| 2017/12/24 | 20 | 0.03 | 180 |
| 2017/12/24 | 21 | 0.04 | 208 |
| 2017/12/24 | 22 | 0.02 | 152 |
| 2017/12/24 | 23 | 0.02 | 210 |
| 2017/12/29 | 0 | 0.03 | 114 |
| 2017/12/29 | 1 | 0.02 | 125 |
| 2017/12/29 | 2 | 0.02 | 162 |
| 2017/12/29 | 3 | 0.02 | 162 |
| 2017/12/29 | 4 | 0.04 | 162 |
| 2017/12/29 | 5 | 0.08 | 174 |
| 2017/12/29 | 6 | 0.02 | 169 |
| 2017/12/29 | 7 | 0.02 | 169 |
| 2017/12/29 | 8 | 0.05 | 61 |
| 2017/12/29 | 9 | 0.03 | 81 |
| 2017/12/29 | 10 | 0.02 | 223 |
| 2017/12/29 | 11 | 0.46 | 188 |
| 2017/12/29 | 12 | 0.28 | 191 |
| 2017/12/29 | 13 | 0.29 | 250 |
| 2017/12/29 | 14 | 1.98 | 157 |
| 2017/12/29 | 15 | 2.95 | 170 |
| 2017/12/29 | 16 | 2.41 | 153 |
| 2017/12/29 | 17 | 3.19 | 162 |
| 2017/12/29 | 18 | 2.62 | 167 |
| 2017/12/29 | 19 | 2.43 | 161 |
| 2017/12/29 | 20 | 4.09 | 155 |
| 2017/12/29 | 21 | 3.07 | 173 |
| 2017/12/29 | 22 | 3.82 | 155 |
| 2017/12/29 | 23 | 2.27 | 168 |
| 2017/12/30 | 0 | 0.51 | 170 |
| 2017/12/30 | 1 | 0.17 | 180 |
| 2017/12/30 | 2 | 0.02 | 193 |
| 2017/12/30 | 3 | 0.09 | 146 |
| 2017/12/30 | 4 | 0.02 | 73 |
| 2017/12/30 | 5 | 0.02 | 128 |
| 2017/12/30 | 6 | 0.13 | 193 |
| 2017/12/30 | 7 | 0.04 | 141 |
| 2017/12/30 | 8 | 0.02 | 30 |
| 2017/12/30 | 9 | 0.08 | 288 |
| 2017/12/30 | 10 | 0.04 | 227 |
| 2017/12/30 | 11 | 0.02 | 207 |
| 2017/12/30 | 12 | 0.03 | 135 |
| 2017/12/30 | 13 | 0.06 | 168 |
| 2017/12/30 | 14 | 0.05 | 197 |
| 2017/12/30 | 15 | 0.07 | 177 |
| 2017/12/30 | 16 | 0.58 | 200 |
| 2017/12/30 | 17 | 0.43 | 191 |
| 2017/12/30 | 18 | 0.09 | 141 |
| 2017/12/30 | 19 | 0.28 | 176 |
| 2017/12/30 | 20 | 0.07 | 187 |
| 2017/12/30 | 21 | 0.11 | 255 |
| 2017/12/30 | 22 | 0.14 | 312 |
| 2017/12/30 | 23 | 0.05 | 218 |