
























## DANMARKS KLIMAFORHOLD 2009

## THE CLIMATE OF DENMARK 2009

| TEMPERATUR (°C)                                       | TEMPERATURE (degrees C)                            | jan          | feb          | mar         | apr         | maj         | jun         | jul         | aug         | sep         | okt         | nov         | dec          | året         |  |
|---|--|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--|
| <b>Middeltemperatur</b>                               | <b>Mean temperature</b>                            | <b>1,0</b>   | <b>0,8</b>   | <b>4,0</b>  | <b>9,4</b>  | <b>11,5</b> | <b>13,9</b> | <b>17,2</b> | <b>17,4</b> | <b>14,1</b> | <b>7,9</b>  | <b>7,3</b>  | <b>0,8</b>   | <b>8,8</b>   |  |
| normal  | normals  | 0,0          | 0,0          | 2,1         | 5,7         | 10,8        | 14,3        | 15,6        | 15,7        | 12,7        | 9,1         | 4,7         | 1,6          | 7,7          |  |
| <b>Temperatur, Nordjylland</b>                        | <b>Temperature, North Jutland</b>                  | <b>1,1</b>   | <b>0,4</b>   | <b>3,7</b>  | <b>9,1</b>  | <b>11,2</b> | <b>14,1</b> | <b>16,7</b> | <b>16,8</b> | <b>13,7</b> | <b>7,5</b>  | <b>6,9</b>  | <b>0,3</b>   | <b>8,5</b>   |  |
| normal  | normals  | -0,2         | -0,3         | 1,9         | 5,5         | 10,5        | 14,2        | 15,5        | 15,4        | 12,3        | 8,9         | 4,6         | 1,6          | 7,5          |  |
| <b>Temperatur, Midt- og Vestjylland</b>               | <b>Precipitation, West Jutland</b>                 | <b>1,1</b>   | <b>0,9</b>   | <b>4,1</b>  | <b>9,5</b>  | <b>11,1</b> | <b>13,7</b> | <b>16,5</b> | <b>16,8</b> | <b>13,6</b> | <b>7,7</b>  | <b>7,2</b>  | <b>0,7</b>   | <b>8,6</b>   |  |
| normal  | normals  | 0,1          | 0,0          | 2,1         | 5,7         | 10,6        | 13,9        | 15,3        | 15,3        | 12,4        | 9,0         | 4,7         | 1,8          | 7,6          |  |
| <b>Temperatur, Østjylland</b>                         | <b>Temperature, East Jutland</b>                   | <b>0,8</b>   | <b>0,8</b>   | <b>3,9</b>  | <b>9,5</b>  | <b>11,3</b> | <b>13,8</b> | <b>16,9</b> | <b>17,1</b> | <b>13,7</b> | <b>7,7</b>  | <b>7,2</b>  | <b>0,7</b>   | <b>8,7</b>   |  |
| normal  | normals  | -0,1         | -0,2         | 2,0         | 5,7         | 10,7        | 14,2        | 15,4        | 15,4        | 12,4        | 8,9         | 4,6         | 1,5          | 7,6          |  |
| <b>Temperatur, Syd- og Sønderjylland</b>              | <b>Temperature, South Jutland</b>                  | <b>1,0</b>   | <b>1,3</b>   | <b>4,3</b>  | <b>9,9</b>  | <b>11,7</b> | <b>13,8</b> | <b>17,2</b> | <b>17,4</b> | <b>14,1</b> | <b>8,2</b>  | <b>7,7</b>  | <b>0,8</b>   | <b>9,0</b>   |  |
| normal  | normals  | 0,3          | 0,2          | 2,4         | 5,9         | 10,9        | 14,2        | 15,4        | 15,5        | 12,7        | 9,3         | 5,0         | 1,8          | 7,8          |  |
| <b>Temperatur, Fyn</b>                                | <b>Temperature, Funen</b>                          | <b>1,2</b>   | <b>1,2</b>   | <b>4,3</b>  | <b>9,7</b>  | <b>11,8</b> | <b>13,8</b> | <b>17,7</b> | <b>18,0</b> | <b>14,5</b> | <b>8,5</b>  | <b>7,7</b>  | <b>1,4</b>   | <b>9,2</b>   |  |
| normal  | normals  | 0,4          | 0,2          | 2,4         | 6,0         | 11,0        | 14,9        | 16,1        | 16,2        | 13,2        | 9,8         | 5,3         | 2,3          | 8,2          |  |
| <b>Temperatur, Vest- og Sydsjæl., Lolland/Falster</b> | <b>Temperature, West Zealand</b>                   | <b>0,8</b>   | <b>0,7</b>   | <b>3,9</b>  | <b>9,1</b>  | <b>12,0</b> | <b>14,0</b> | <b>18,0</b> | <b>18,2</b> | <b>14,9</b> | <b>8,2</b>  | <b>7,5</b>  | <b>1,2</b>   | <b>9,1</b>   |  |
| normal  | normals  | 0,1          | 0,0          | 2,1         | 5,8         | 11,0        | 14,9        | 16,1        | 16,2        | 13,2        | 9,5         | 5,2         | 1,9          | 8,0          |  |
| <b>Temperatur, København og Nordsjælland</b>          | <b>Temperature, Copenhagen</b>                     | <b>0,6</b>   | <b>0,3</b>   | <b>3,6</b>  | <b>9,3</b>  | <b>11,9</b> | <b>14,3</b> | <b>18,0</b> | <b>18,0</b> | <b>14,6</b> | <b>7,7</b>  | <b>7,2</b>  | <b>0,9</b>   | <b>8,9</b>   |  |
| normal  | normals  | -0,2         | -0,3         | 2,0         | 5,9         | 11,1        | 15,0        | 16,3        | 16,1        | 12,9        | 9,3         | 4,8         | 1,5          | 7,9          |  |
| <b>Temperatur, Bornholm</b>                           | <b>Temperature, Bornholm</b>                       | <b>1,3</b>   | <b>0,5</b>   | <b>2,9</b>  | <b>7,9</b>  | <b>10,7</b> | <b>13,3</b> | <b>18,0</b> | <b>18,4</b> | <b>15,3</b> | <b>8,2</b>  | <b>7,3</b>  | <b>1,8</b>   | <b>8,8</b>   |  |
| normal  | normals  | 0,2          | -0,2         | 1,5         | 4,5         | 9,5         | 14,2        | 16,5        | 16,4        | 13,3        | 9,6         | 5,6         | 2,1          | 7,8          |  |
| <b>Højeste maksimumtemperatur</b>                     | <b>Highest maximum temperature</b>                 | <b>7,3</b>   | <b>8,7</b>   | <b>13,7</b> | <b>23,8</b> | <b>26,0</b> | <b>27,9</b> | <b>29,9</b> | <b>32,7</b> | <b>28,1</b> | <b>17,2</b> | <b>14,2</b> | <b>9,7</b>   | <b>32,7</b>  |  |
| dato <sup>1</sup>                                     | date <sup>1</sup>                                  | 10/1         | 28/2         | 1/4         | 1/5         | 1/6         | 1/7         | 5/7         | 21/8        | 2/9         | 7/10        | 21/11       | 7/12         | 21/8         |  |
| stationsnummer  | station number                                     | 06030        | 06070        | 06186       | 06168       | 06186       | 06186       | 06049       | 06116       | 06154       | 06116       | 06118       | 06116        | 06116        |  |
| normal  | normals  | 8,3          | 9,1          | 14,0        | 20,0        | 25,7        | 29,4        | 29,5        | 29,3        | 24,5        | 20,0        | 13,8        | 10,4         | 31,3         |  |
| 1874-2009   | 1874-2009  | 12,4         | 15,8         | 22,2        | 28,6        | 32,8        | 35,5        | 35,3        | 36,4        | 32,3        | 24,1        | 18,5        | 14,5         | 36,4         |  |
| år  | year   | 2005         | 1990         | 1990        | 1993        | 1892        | 1947        | 1941        | 1975        | 1906        | 1978        | 1968        | 1953         | 1975         |  |
| <b>Middel af daglig maksimumtemperatur</b>            | <b>Mean of daily maximum temperature</b>           | <b>2,7</b>   | <b>2,6</b>   | <b>6,6</b>  | <b>14,7</b> | <b>15,7</b> | <b>18,2</b> | <b>21,6</b> | <b>21,4</b> | <b>17,9</b> | <b>10,7</b> | <b>8,9</b>  | <b>2,6</b>   | <b>12,0</b>  |  |
| normal  | normals  | 2,0          | 2,2          | 4,9         | 9,6         | 15,0        | 18,7        | 19,8        | 20,0        | 16,4        | 12,1        | 7,0         | 3,7          | 10,9         |  |
| <b>Laveste minimumtemperatur</b>                      | <b>Lowest minimum temperature</b>                  | <b>-13,0</b> | <b>-13,9</b> | <b>-8,0</b> | <b>-2,9</b> | <b>-0,1</b> | <b>0,2</b>  | <b>5,7</b>  | <b>7,1</b>  | <b>0,4</b>  | <b>-4,9</b> | <b>-3,0</b> | <b>-19,0</b> | <b>-19,0</b> |  |
| dato <sup>1</sup>                                     | date <sup>1</sup>                                  | 6/1          | 18/2         | 25/3        | 3/4         | 2/5         | 6/6         | 1/8         | 23/8        | 30/9        | 14/10       | 1/12        | 20/12        | 20/12        |  |
| stationsnummer  | station number                                     | 06110        | 06170        | 06188       | 06174       | 06156       | 06068       | 06068       | 06135       | 06068       | 06068       | 06104       | 06102        | 06102        |  |
| normal  | normals  | -16,3        | -15,8        | -12,3       | -7,1        | -3,6        | 0,0         | 2,9         | 1,5         | -1,2        | -3,7        | -9,2        | -14,7        | -20,6        |  |
| 1874-2009   | 1874-2009  | -31,2        | -29,0        | -27,0       | -19,0       | -8,0        | -3,5        | -0,9        | -2,0        | -5,6        | -11,9       | -21,3       | -25,6        | -31,2        |  |
| år  | year   | 1982         | 1942         | 1888        | 1922        | 1900        | 1936        | 1903        | 1885        | 1886        | 1880        | 1973        | 1981         | 1982         |  |
| <b>Middel af daglig minimumtemperatur</b>             | <b>Mean of daily minimum temperature</b>           | <b>-1,1</b>  | <b>-1,5</b>  | <b>1,3</b>  | <b>4,5</b>  | <b>7,2</b>  | <b>9,4</b>  | <b>13,0</b> | <b>13,6</b> | <b>10,4</b> | <b>4,9</b>  | <b>5,5</b>  | <b>-1,4</b>  | <b>5,5</b>   |  |
| normal  | normals  | -2,9         | -2,8         | -0,8        | 2,1         | 6,5         | 9,9         | 11,5        | 11,3        | 9,1         | 6,1         | 2,3         | -0,7         | 4,3          |  |
| <b>Døgn med frost (minimum &lt; 0°C)</b>              | <b>Frost days (minimum &lt; 0 degrees C)</b>       | <b>17,8</b>  | <b>19,5</b>  | <b>6,8</b>  | <b>1,2</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>2,3</b>  | <b>0,8</b>  | <b>18,6</b>  | <b>66,9</b>  |  |
| normal  | normals  | 19           | 19           | 15          | 6,6         | 0,7         | *           | 0,0         | 0,0         | 0,2         | 1,8         | 7,3         | 15           | 84           |  |
| <b>Isdøgn (maksimum &lt; 0°C)</b>                     | <b>Ice days (maximum &lt; 0 degrees C)</b>         | <b>3,1</b>   | <b>2,3</b>   | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>6,2</b>   | <b>11,5</b>  |  |
| normal  | normals  | 8,6          | 7,5          | 2,2         | 0,1         | 0,0         | 0,0         | 0,0         | 0,0         | 0,0         | 0,0         | 0,6         | 4,0          | 23           |  |
| <b>Sommerdage (maximum &gt; 25°C)</b>                 | <b>Summer days (maximum &gt; 25 degrees C)</b>     | <b>0,0</b>   | <b>0,0</b>   | <b>0,0</b>  | <b>0,0</b>  | *           | <b>1,8</b>  | <b>4,1</b>  | <b>4,1</b>  | <b>0,6</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>   | <b>10,7</b>  |  |
| normal  | normals  | 0,0          | 0,0          | 0,0         | 0,0         | 0,2         | 1,9         | 2,6         | 2,3         | 0,1         | 0,0         | 0,0         | 0,0          | 7,2          |  |
| <b>Tropenætter (minimum &gt; 20°C)</b>                | <b>Tropical nights (minimum &gt; 20 degrees C)</b> | <b>0,0</b>   | <b>0,0</b>   | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | *           | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>  | <b>0,0</b>   | *            |  |
| normal  | normals  | 0,0          | 0,0          | 0,0         | 0,0         | 0,0         | 0,0         | 0,0         | *           | 0,0         | 0,0         | 0,0         | 0,0          | *            |  |
| <b>Graddage</b>                                       | <b>Degree days</b>                                 | <b>497</b>   | <b>453</b>   | <b>403</b>  | <b>227</b>  | <b>170</b>  | <b>106</b>  | <b>21</b>   | <b>19</b>   | <b>90</b>   | <b>282</b>  | <b>290</b>  | <b>501</b>   | <b>3061</b>  |  |
| normal  | normals  | 522          | 491          | 461         | 337         | 198         | 84          | 43          | 47          | 128         | 243         | 361         | 469          | 3382         |  |

\* betyder, at antallet er større end 0,0, men mindre end 0,1.

<sup>1</sup> Datoen for de observerede ekstremværdier er anført som datoen, hvor det pågældende meteorologiske døgn slutter.

\* means that the number is larger then 0,0, but smaller than 0,1.

<sup>1</sup> The date of the observed extremes is determined as the date of the end of meteorological day in question.

| NEDBØR (mm)                                      |  | PRECIPITATION (mm)                    |  | jan   | feb   | mar   | apr   | maj   | jun   | jul   | aug   | sep   | okt   | nov   | dec   | året  | DMI |
|--|--|---------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Nedbørmængde, Danmark                            |  | Precipitation, Denmark                |  | 41    | 34    | 53    | 10    | 56    | 63    | 86    | 68    | 45    | 79    | 126   | 71    | 732   |     |
| normal   |  | normals                               |  | 57    | 38    | 46    | 41    | 48    | 55    | 66    | 67    | 73    | 76    | 79    | 66    | 712   |     |
| Nedbørmængde, Nordjylland                        |  | Precipitation, North Jutland          |  | 48    | 31    | 59    | 18    | 54    | 77    | 96    | 88    | 39    | 72    | 121   | 74    | 776   |     |
| normal   |  | normals                               |  | 54    | 36    | 44    | 39    | 49    | 53    | 64    | 66    | 71    | 75    | 74    | 62    | 686   |     |
| Nedbørmængde, Midt- og Vestjylland               |  | Precipitation, West Jutland           |  | 60    | 40    | 57    | 11    | 52    | 38    | 83    | 97    | 56    | 95    | 138   | 72    | 799   |     |
| normal   |  | normals                               |  | 64    | 42    | 51    | 41    | 51    | 58    | 66    | 73    | 86    | 93    | 94    | 76    | 792   |     |
| Nedbørmængde, Østjylland                         |  | Precipitation, East Jutland           |  | 38    | 27    | 50    | 8     | 59    | 53    | 99    | 70    | 43    | 77    | 133   | 75    | 731   |     |
| normal   |  | normals                               |  | 57    | 40    | 46    | 41    | 49    | 54    | 66    | 64    | 70    | 74    | 76    | 65    | 702   |     |
| Nedbørmængde, Syd- og Sønderjylland              |  | Precipitation, South Jutland          |  | 48    | 36    | 60    | 12    | 72    | 41    | 98    | 80    | 73    | 96    | 153   | 95    | 863   |     |
| normal   |  | normals                               |  | 68    | 43    | 54    | 46    | 51    | 62    | 72    | 78    | 86    | 95    | 98    | 80    | 833   |     |
| Nedbørmængde, Fyn                                |  | Precipitation, Funen                  |  | 30    | 30    | 48    | 7     | 52    | 55    | 79    | 41    | 35    | 71    | 121   | 68    | 637   |     |
| normal   |  | normals                               |  | 51    | 36    | 41    | 38    | 46    | 52    | 61    | 60    | 59    | 61    | 67    | 57    | 629   |     |
| Nedbørmængde, Vest- og Sydsjæl., Lolland/Falster |  | Precipitation, West Zealand           |  | 22    | 36    | 48    | 5     | 49    | 91    | 71    | 28    | 22    | 58    | 101   | 49    | 581   |     |
| normal   |  | normals                               |  | 46    | 31    | 38    | 38    | 43    | 49    | 62    | 59    | 56    | 52    | 61    | 54    | 589   |     |
| Nedbørmængde, København og Nordsjælland          |  | Precipitation, Copenhagen             |  | 24    | 36    | 40    | 6     | 53    | 138   | 60    | 39    | 28    | 67    | 94    | 57    | 639   |     |
| normal   |  | normals                               |  | 46    | 30    | 39    | 38    | 42    | 52    | 67    | 63    | 60    | 55    | 60    | 55    | 608   |     |
| Nedbørmængde, Bornholm                           |  | Precipitation, Bornholm               |  | 23    | 45    | 55    | 1     | 66    | 61    | 66    | 17    | 31    | 57    | 85    | 62    | 569   |     |
| normal   |  | normals                               |  | 50    | 31    | 39    | 37    | 36    | 41    | 53    | 53    | 61    | 59    | 74    | 61    | 596   |     |
| Døgn med nedbør ≥ 0,1 mm                         |  | Days with precipitation ≥ 0,1 mm      |  | 12,8  | 16,1  | 16,0  | 4,3   | 14,2  | 11,0  | 19,3  | 15,9  | 11,8  | 17,4  | 27,2  | 17,9  | 183,9 |     |
| normal   |  | normals                               |  | 17    | 13    | 14    | 12    | 12    | 12    | 13    | 13    | 15    | 16    | 18    | 17    | 171   |     |
| Døgn med nedbør ≥ 10,0 mm                        |  | Days with precipitation ≥ 10,0 mm     |  | 0,9   | 0,3   | 0,3   | 0,1   | 0,8   | 1,7   | 2,5   | 1,7   | 1,1   | 2,2   | 3,2   | 1,9   | 16,8  |     |
| normal   |  | normals                               |  | 1,1   | 0,5   | 0,7   | 0,7   | 1,1   | 1,5   | 1,8   | 1,8   | 2,0   | 2,2   | 2,0   | 1,6   | 17    |     |
| Største nedbør i 24 timer ved en station         |  | Largest 24 hour precipitation         |  | 28,0  | 18,0  | 17,5  | 25,5  | 29,3  | 99,7  | 56,8  | 54,7  | 50,0  | 34,3  | 32,2  | 29,6  | 99,7  |     |
| dato <sup>1</sup>                                |  | date <sup>1</sup>                     |  | 13/ 1 | 7/2   | 13/3  | 8/4   | 22/5  | 12/6  | 19/7  | 10/8  | 5/9   | 4/10  | 2/11  | 17/12 | 12/6  |     |
| stationsnummer                                   |  | station number                        |  | 24200 | 21125 | 20000 | 21120 | 31500 | 30075 | 31420 | 24170 | 24305 | 26407 | 28385 | 23320 | 30075 |     |
| normal   |  | normals                               |  | 29    | 25    | 26    | 31    | 42    | 60    | 71    | 59    | 53    | 47    | 39    | 34    | 89    |     |
| 1874-2009  |  | 1874-2009                             |  | 50,0  | 61,8  | 54,8  | 66,5  | 94,0  | 153,1 | 168,9 | 151,2 | 132,7 | 100,8 | 62,3  | 62,0  | 168,9 |     |
| år   |  | year                                  |  | 1886  | 1881  | 1970  | 1969  | 2007  | 1880  | 1931  | 1959  | 1968  | 1982  | 1981  | 1985  | 1931  |     |
| Største månedsnedbør ved en station              |  | Largest monthly precipitation         |  | 84,2  | 56,4  | 75,0  | 36,9  | 92,5  | 171,4 | 159,2 | 163,1 | 104,6 | 129,4 | 179,7 | 130,2 | 179,7 |     |
| stationsnummer                                   |  | station number                        |  | 24200 | 24200 | 20570 | 27008 | 26400 | 30146 | 20010 | 24170 | 26400 | 24170 | 25339 | 26014 | 25339 |     |
| normal   |  | normals                               |  | 108   | 75    | 87    | 79    | 98    | 129   | 152   | 154   | 140   | 152   | 154   | 122   | 224   |     |
| Døgn med sne <sup>2</sup>                        |  | Days with snow <sup>2</sup>           |  | 3,1   | 9,4   | 1,2   | 0,0   | 0,0   | 0,0   | 0,0   | 0,0   | 0,0   | 0,2   | 0,0   | 6,1   | 20,0  |     |
| normal   |  | normals                               |  | 7,6   | 6,4   | 5,3   | 2,6   | 0,2   | 0,0   | 0,0   | 0,0   | 0,0   | 0,1   | 2,3   | 5,8   | 30    |     |
| Døgn med snedække kl. 07/08                      |  | Days with snow cover at 07/08 o'clock |  | 2,2   | 9,4   | 0,3   | 0,0   | 0,0   | -     | -     | -     | 0,0   | 0,0   | 0,0   | 13,2  | 25,1  |     |
| normal   |  | normals                               |  | 12    | 9,3   | 4,6   | 0,7   | 0,0   | 0,0   | 0,0   | 0,0   | 0,0   | *     | 1,3   | 5,1   | 33    |     |
| Døgn med tåge <sup>2</sup>                       |  | Days with fog <sup>2</sup>            |  | 10,5  | 12,6  | 10,5  | 10,7  | 5,7   | 7,0   | 7,5   | 4,3   | 7,7   | 3,5   | 4,2   | 9,8   | 93,9  |     |
| normal   |  | normals                               |  | 10    | 9,3   | 9,2   | 7,5   | 5,1   | 2,6   | 2,6   | 3,2   | 4,3   | 7,0   | 5,7   | 7,0   | 74    |     |
| Døgn med torden <sup>2</sup>                     |  | Days with thunder <sup>2</sup>        |  | 0,0   | 0,0   | 0,0   | 0,7   | 3,1   | 1,9   | 5,5   | 4,2   | 1,2   | 0,0   | 1,1   | 0,2   | 17,8  |     |
| normal   |  | normals                               |  | 0,1   | 0,1   | 0,1   | 0,2   | 1,3   | 2,0   | 2,3   | 2,2   | 1,3   | 0,6   | 0,3   | 0,1   | 11    |     |

\* betyder, at antallet er større end 0,0, men mindre end 0,1.

<sup>1</sup> Datoen for de observerede ekstremværdier er anført som datoen, hvor det pågældende meteorologiske døgn slutter.

<sup>2</sup> landstal og normaler beregnet på grundlag af 7 stationer.


\* means that the number is larger then 0,0, but smaller than 0,1.

<sup>1</sup> The date of the observed extremes is determined as the date of the end of meteorological day in question.

<sup>2</sup> contrywise values and adjoining normals calculated using 7 stations.

## DANMARKS KLIMAFORHOLD 2009

## THE CLIMATE OF DENMARK 2009

| <b>SOL, SKYDÆKKE</b>  | <b>SUNSHINE, CLOUD COVER</b>                               | jan           | feb           | mar           | apr           | maj           | jun           | jul           | aug           | sep           | okt           | nov           | dec           | året          |  |
|---|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--|
| <b>Soltimer, Danmark<sup>4</sup></b>                            | <b>Hours of bright sunshine, Denmark<sup>4</sup></b>       | <b>39</b>     | <b>56</b>     | <b>106</b>    | <b>272</b>    | <b>274</b>    | <b>280</b>    | <b>220</b>    | <b>200</b>    | <b>160</b>    | <b>114</b>    | <b>26</b>     | <b>46</b>     | <b>1793</b>   |  |
| normal  | normals  | 43            | 69            | 110           | 162           | 209           | 209           | 196           | 186           | 128           | 87            | 54            | 43            | 1495          |  |
| <b>Soltimer, Nordjylland<sup>4</sup></b>                        | <b>Hours of bright sunshine, North Jutland<sup>4</sup></b> | <b>39</b>     | <b>69</b>     | <b>129</b>    | <b>260</b>    | <b>282</b>    | <b>320</b>    | <b>201</b>    | <b>189</b>    | <b>160</b>    | <b>117</b>    | <b>27</b>     | <b>58</b>     | <b>1852</b>   |  |
| normal  | normals  | 40            | 71            | 116           | 167           | 209           | 216           | 207           | 187           | 130           | 86            | 56            | 42            | 1528          |  |
| <b>Soltimer, Midt- og Vestjylland<sup>4</sup></b>               | <b>Hours of bright sunshine, West Jutland<sup>4</sup></b>  | <b>32</b>     | <b>59</b>     | <b>115</b>    | <b>252</b>    | <b>266</b>    | <b>282</b>    | <b>207</b>    | <b>179</b>    | <b>151</b>    | <b>112</b>    | <b>27</b>     | <b>56</b>     | <b>1738</b>   |  |
| normal  | normals  | 41            | 68            | 109           | 159           | 200           | 203           | 189           | 178           | 122           | 82            | 52            | 40            | 1443          |  |
| <b>Soltimer, Østjylland<sup>4</sup></b>                         | <b>Hours of bright sunshine, East Jutland<sup>4</sup></b>  | <b>34</b>     | <b>53</b>     | <b>101</b>    | <b>262</b>    | <b>266</b>    | <b>284</b>    | <b>214</b>    | <b>195</b>    | <b>156</b>    | <b>117</b>    | <b>25</b>     | <b>45</b>     | <b>1752</b>   |  |
| normal  | normals  | 41            | 68            | 108           | 160           | 205           | 208           | 191           | 186           | 126           | 85            | 55            | 42            | 1476          |  |
| <b>Soltimer, Syd- og Sønderjylland<sup>4</sup></b>              | <b>Hours of bright sunshine, South Jutland<sup>4</sup></b> | <b>39</b>     | <b>50</b>     | <b>94</b>     | <b>260</b>    | <b>271</b>    | <b>246</b>    | <b>223</b>    | <b>190</b>    | <b>148</b>    | <b>115</b>    | <b>25</b>     | <b>45</b>     | <b>1707</b>   |  |
| normal  | normals  | 44            | 69            | 104           | 153           | 201           | 195           | 179           | 176           | 119           | 83            | 51            | 42            | 1416          |  |
| <b>Soltimer, Fyn<sup>4</sup></b>                                | <b>Hours of bright sunshine, Funen<sup>4</sup></b>         | <b>48</b>     | <b>46</b>     | <b>94</b>     | <b>291</b>    | <b>293</b>    | <b>269</b>    | <b>242</b>    | <b>218</b>    | <b>166</b>    | <b>117</b>    | <b>26</b>     | <b>38</b>     | <b>1849</b>   |  |
| normal  | normals  | 40            | 66            | 106           | 160           | 210           | 209           | 194           | 187           | 129           | 90            | 55            | 41            | 1487          |  |
| <b>Soltimer, Vest- og Sydsjæl., Lolland/Falster<sup>4</sup></b> | <b>Hours of bright sunshine, West Zealand<sup>4</sup></b>  | <b>49</b>     | <b>54</b>     | <b>100</b>    | <b>304</b>    | <b>281</b>    | <b>275</b>    | <b>237</b>    | <b>227</b>    | <b>178</b>    | <b>110</b>    | <b>26</b>     | <b>34</b>     | <b>1874</b>   |  |
| normal  | normals  | 42            | 67            | 109           | 164           | 216           | 214           | 202           | 192           | 134           | 94            | 57            | 44            | 1535          |  |
| <b>Soltimer, København og Nordsjælland<sup>4</sup></b>          | <b>Hours of bright sunshine, Copenhagen</b>                | <b>44</b>     | <b>60</b>     | <b>110</b>    | <b>312</b>    | <b>265</b>    | <b>291</b>    | <b>226</b>    | <b>226</b>    | <b>169</b>    | <b>110</b>    | <b>25</b>     | <b>32</b>     | <b>1872</b>   |  |
| normal  | normals  | 46            | 69            | 113           | 167           | 217           | 215           | 199           | 191           | 132           | 92            | 57            | 43            | 1539          |  |
| <b>Soltimer, Bornholm<sup>4</sup></b>                           | <b>Hours of bright sunshine, Bornholm<sup>4</sup></b>      | <b>43</b>     | <b>45</b>     | <b>82</b>     | <b>259</b>    | <b>268</b>    | <b>285</b>    | <b>265</b>    | <b>279</b>    | <b>194</b>    | <b>84</b>     | <b>35</b>     | <b>18</b>     | <b>1856</b>   |  |
| normal  | normals  | 37            | 60            | 107           | 169           | 238           | 241           | 225           | 211           | 139           | 90            | 47            | 36            | 1602          |  |
| <b>Døgn med klart vejr (skydække &lt; 20%)<sup>2</sup></b>      | <b>Clear days (cloud cover &lt; 20 %) <sup>2</sup></b>     | <b>0,7</b>    | <b>0,4</b>    | <b>1,2</b>    | <b>8,3</b>    | <b>3,0</b>    | <b>4,4</b>    | <b>1,3</b>    | <b>2,3</b>    | <b>3,8</b>    | <b>2,0</b>    | <b>0,0</b>    | <b>0,4</b>    | <b>27,8</b>   |  |
| normal  | normals  | 1,5           | 2,1           | 2,8           | 3,3           | 3,9           | 3,8           | 2,7           | 3,3           | 2,2           | 1,9           | 1,6           | 1,4           | 31            |  |
| <b>Døgn med skyet vejr (skydække &gt; 80%)<sup>2</sup></b>      | <b>Cloudy days (cloud cover &gt; 80 %) <sup>2</sup></b>    | <b>21,0</b>   | <b>18,0</b>   | <b>15,5</b>   | <b>1,7</b>    | <b>3,7</b>    | <b>3,6</b>    | <b>4,5</b>    | <b>5,7</b>    | <b>6,4</b>    | <b>11,2</b>   | <b>18,0</b>   | <b>17,9</b>   | <b>127,1</b>  |  |
| normal  | normals  | 19            | 15            | 14            | 11            | 9,4           | 8,3           | 9,3           | 7,7           | 9,0           | 13            | 15            | 17            | 146           |  |
| <b>Middel skydække i %<sup>2</sup></b>                          | <b>Mean cloud cover %<sup>2</sup></b>                      | <b>81</b>     | <b>79</b>     | <b>74</b>     | <b>42</b>     | <b>54</b>     | <b>50</b>     | <b>58</b>     | <b>58</b>     | <b>56</b>     | <b>63</b>     | <b>82</b>     | <b>78</b>     | <b>65</b>     |  |
| normal  | normals  | 79            | 73            | 69            | 63            | 60            | 59            | 62            | 59            | 63            | 70            | 74            | 77            | 67            |  |
| <b>VIND (m/sek)</b>   | <b>WIND (m/sec)</b>  |               |               |               |               |               |               |               |               |               |               |               |               |               |  |
| <b>Middelvindhastighed i m/sek</b>                              | <b>Mean velocity, m/sec</b>                                | <b>4,8</b>    | <b>4,3</b>    | <b>4,9</b>    | <b>3,8</b>    | <b>4,8</b>    | <b>4,5</b>    | <b>4,2</b>    | <b>4,5</b>    | <b>5,0</b>    | <b>4,9</b>    | <b>5,8</b>    | <b>4,4</b>    | <b>4,7</b>    |  |
| normal  | normals  | 6,5           | 6,1           | 6,3           | 5,6           | 5,2           | 5,1           | 5,3           | 5,0           | 5,8           | 6,0           | 6,5           | 6,5           | 5,8           |  |
| <b>Højeste vindstød i m/sek</b>                                 | <b>Highest gust, m/sec</b>                                 | <b>27,8</b>   | <b>23,1</b>   | <b>25,2</b>   | <b>20,6</b>   | <b>26,8</b>   | <b>27,8</b>   | <b>29,8</b>   | <b>27,8</b>   | <b>29,8</b>   | <b>32,9</b>   | <b>38,6</b>   | <b>25,7</b>   | <b>38,6</b>   |  |
| <b>Hyppighed af hastighed ≥ 10,8 m/sek (6Bf)</b>                | <b>Frequency of speed ≥ 10,8 m/sec (6Bf)</b>               | <b>8</b>      | <b>3</b>      | <b>4</b>      | <b>1</b>      | <b>5</b>      | <b>5</b>      | <b>3</b>      | <b>3</b>      | <b>6</b>      | <b>7</b>      | <b>9</b>      | <b>3</b>      | <b>5</b>      |  |
| normal  | normals  | 15            | 11            | 13            | 8             | 6             | 5             | 5             | 5             | 9             | 12            | 15            | 15            | 10            |  |
| <b>Hyppigste vindretning<sup>3</sup></b>                        | <b>Most frequent wind direction<sup>3</sup></b>            | <b>SV23</b>   | <b>Ø18</b>    | <b>V21</b>    | <b>Ø28</b>    | <b>V23</b>    | <b>V24</b>    | <b>V33</b>    | <b>V26</b>    | <b>V32</b>    | <b>Ø19</b>    | <b>SV27</b>   | <b>SØ24</b>   | <b>V19</b>    |  |
| normal  | normals  | V19           | Ø18           | V22           | V20           | V20           | V29           | V35           | V28           | V28           | V22           | V22           | V23           | V24           |  |
| <b>FUGTIGHED (%)</b>  | <b>HUMIDITY (%)</b>  |               |               |               |               |               |               |               |               |               |               |               |               |               |  |
| <b>Relativ luftfugtighed kl. 07</b>                             | <b>Relative humidity at 07 o'clock</b>                     | <b>91</b>     | <b>94</b>     | <b>92</b>     | <b>86</b>     | <b>83</b>     | <b>82</b>     | <b>87</b>     | <b>87</b>     | <b>89</b>     | <b>89</b>     | <b>92</b>     | <b>93</b>     | <b>89</b>     |  |
| <b>Relativ luftfugtighed kl. 13</b>                             | <b>Relative humidity at 13 o'clock</b>                     | <b>88</b>     | <b>88</b>     | <b>80</b>     | <b>62</b>     | <b>64</b>     | <b>63</b>     | <b>68</b>     | <b>66</b>     | <b>68</b>     | <b>74</b>     | <b>90</b>     | <b>90</b>     | <b>75</b>     |  |
| <b>Relativ luftfugtighed kl. 22</b>                             | <b>Relative humidity at 22 o'clock</b>                     | <b>90</b>     | <b>93</b>     | <b>90</b>     | <b>82</b>     | <b>83</b>     | <b>83</b>     | <b>86</b>     | <b>84</b>     | <b>86</b>     | <b>85</b>     | <b>92</b>     | <b>93</b>     | <b>87</b>     |  |
| <b>Middel af relativ luftfugtighed</b>                          | <b>Mean of relative humidity</b>                           | <b>90</b>     | <b>92</b>     | <b>87</b>     | <b>76</b>     | <b>76</b>     | <b>76</b>     | <b>80</b>     | <b>78</b>     | <b>81</b>     | <b>83</b>     | <b>92</b>     | <b>92</b>     | <b>84</b>     |  |
| normal  | normals  | 91            | 90            | 87            | 80            | 75            | 77            | 79            | 79            | 83            | 87            | 89            | 90            | 84            |  |
| <b>Middeldugpunktstemperatur (°C)</b>                           | <b>Mean of dewpoint temperature (degrees C)</b>            | <b>-0,6</b>   | <b>-0,4</b>   | <b>1,9</b>    | <b>5,0</b>    | <b>7,1</b>    | <b>9,3</b>    | <b>13,4</b>   | <b>13,2</b>   | <b>10,7</b>   | <b>5,1</b>    | <b>6,0</b>    | <b>-0,3</b>   | <b>5,9</b>    |  |
| <b>Middeldamptryk (hPa)</b>                                     | <b>Mean of vapour pressure (hPa)</b>                       | <b>6,0</b>    | <b>6,0</b>    | <b>7,1</b>    | <b>8,9</b>    | <b>10,2</b>   | <b>12,0</b>   | <b>15,5</b>   | <b>15,4</b>   | <b>13,0</b>   | <b>8,9</b>    | <b>9,5</b>    | <b>6,2</b>    | <b>9,9</b>    |  |
| <b>LUFTTRYK (hectopascal/mb)</b>                                | <b>BAROMETRIC PRESSURE (hectopascal/mb)</b>                |               |               |               |               |               |               |               |               |               |               |               |               |               |  |
| <b>Middellufttryk, Ålborg lufthavn</b>                          | <b>Mean of sealevel pressure, Ålborg</b>                   | <b>1012,3</b> | <b>1011,6</b> | <b>1009,9</b> | <b>1017,5</b> | <b>1017,6</b> | <b>1015,1</b> | <b>1008,9</b> | <b>1014,1</b> | <b>1016,3</b> | <b>1015,5</b> | <b>1001,7</b> | <b>1008,8</b> | <b>1012,4</b> |  |
| normal  | normals  | 1012,1        | 1014,3        | 1012,3        | 1013,0        | 1014,6        | 1013,4        | 1012,5        | 1012,8        | 1012,6        | 1012,9        | 1009,8        | 1010,3        | 1012,5        |  |
| <b>Middellufttryk, Kastrup lufthavn</b>                         | <b>Mean of sealevel pressure, Kastrup</b>                  | <b>1014,1</b> | <b>1011,6</b> | <b>1010,7</b> | <b>1018,1</b> | <b>1018,3</b> | <b>1014,6</b> | <b>1010,6</b> | <b>1015,8</b> | <b>1017,7</b> | <b>1015,6</b> | <b>1004,6</b> | <b>1008,9</b> | <b>1013,4</b> |  |
| normal  | normals  | 1013,4        | 1014,8        | 1013,2        | 1013,2        | 1015,1        | 1014,0        | 1013,3        | 1013,8        | 1014,0        | 1014,5        | 1011,3        | 1011,6        | 1013,5        |  |

\* betyder, at antallet er større end 0,0, men mindre end 0,1.

<sup>2</sup> landstal og normaler beregnet på grundlag af 7 stationer.

<sup>3</sup> N = nord, Ø = øst, S = syd, V = vest

<sup>4</sup> DMI observerer nu antallet af solskinstimer vha. globalstrålingsmåling i stedet for ved hjælp af solautograf.

Den nye metode er mere præcis, men betyder samtidig at nye og gamle solskinstimemålinger ikke direkte kan sammenlignes: De nye værdier er typisk lavere om sommeren og højere om vinteren end de gamle.

Fra årbog 2002 er solskinstimetallet angivet svarende til den nye metode.

Forskellen i solskinstimer målt med gammel og ny metode er f.eks. beskrevet i

Ellen Vaarby Laursen and Stig Rosenørn. New hours of bright sunshine normal for Denmark, 1961-1990

DMI Technical Report 02-25, 2002, der kan hentes på DMIs hjemmeside:

<http://www.dmi.dk/f+u/publikation/tekrap/2002/Tr02-25.pdf>

\* means that the number is larger then 0,0, but smaller than 0,1.

<sup>2</sup> contrywise values and adjoining normals calculated using 7 stations.

<sup>3</sup> N = north, Ø = east, S = south, V = west

<sup>4</sup>DMI now observes the hours of bright sunshine using measurements of global radiation instead of measurements from a traditional Campbell-Stokes sunshine recorder.

The new method is without question more precise than the old one, but implies at the same time that "new" and "old" hours of bright sunshine not directly can be compared.

Typically values are lower during the summertime and higher during winter compared to the "old" values.

Since "The Climate of Denmark 2002" the hours of bright sunshine are given according to the new method.

The difference in the hours of bright sunshine measured with the old and new method are described in

i.e. Ellen Vaarby Laursen and Stig Rosenørn. New hours of bright sunshine normals for Denmark,

1961-1990. DMI Technical Report 02-25, 2002, which can be downloaded from the DMI website:

<http://www.dmi.dk/f+u/publikation/tekrap/2002/Tr02-25.pdf>