

|           |             | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|-----------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/1/2017 | 上午 12:00:00 | -6.229                             | 21.001              | 90.595      | 313.185                   | 0.198               | 75.5                |
| 12/1/2017 | 上午 01:00:00 | -5.552                             | 20.472              | 92.707      | 162.448                   | 0.752               | 75.8                |
| 12/1/2017 | 上午 02:00:00 | -7.177                             | 20.502              | 90.27       | 168.315                   | 1.211               | 75.8                |
| 12/1/2017 | 上午 03:00:00 | -6.499                             | 20.465              | 89.446      | 60.451                    | 0.84                | 75.9                |
| 12/1/2017 | 上午 04:00:00 | -7.583                             | 20.369              | 90.854      | 120.485                   | 0.609               | 75.9                |
| 12/1/2017 | 上午 05:00:00 | -6.364                             | 20.359              | 89.788      | 106.33                    | 1.885               | 75.9                |
| 12/1/2017 | 上午 06:00:00 | -7.447                             | 20.281              | 90.603      | 254.899                   | 0.196               | 75.9                |
| 12/1/2017 | 上午 07:00:00 | 12.593                             | 20.194              | 90.692      | 191.181                   | 0.508               | 76                  |
| 12/1/2017 | 上午 08:00:00 | 68.245                             | 20.381              | 89.461      | 93.128                    | 0.611               | 76.1                |
| 12/1/2017 | 上午 09:00:00 | 135.677                            | 20.444              | 89.039      | 65.745                    | 1.652               | 76.2                |
| 12/1/2017 | 上午 10:00:00 | 147.186                            | 20.732              | 89.102      | 314.626                   | 0.202               | 76.2                |
| 12/1/2017 | 上午 11:00:00 | 192.818                            | 20.888              | 87.29       | 253.11                    | 0.456               | 76.2                |
| 12/1/2017 | 下午 12:00:00 | 156.394                            | 20.776              | 87.071      | 81.313                    | 0.46                | 76.2                |
| 12/1/2017 | 下午 01:00:00 | 102.232                            | 20.736              | 89.421      | 82.533                    | 0.19                | 76.2                |
| 12/1/2017 | 下午 02:00:00 | 121.188                            | 20.744              | 87.226      | 196.261                   | 0.194               | 76.2                |
| 12/1/2017 | 下午 03:00:00 | 31.414                             | 20.831              | 86.926      | 110.498                   | 0.193               | 76.2                |
| 12/1/2017 | 下午 04:00:00 | 16.926                             | 20.71               | 88.189      | 334.523                   | 0.372               | 76.2                |
| 12/1/2017 | 下午 05:00:00 | -6.499                             | 20.455              | 90.182      | 342.542                   | 0.344               | 76.2                |
| 12/1/2017 | 下午 06:00:00 | -6.77                              | 20.523              | 89.517      | 84.97                     | 0.192               | 76.2                |
| 12/1/2017 | 下午 07:00:00 | -6.229                             | 20.48               | 91.57       | 102.02                    | 0.867               | 76.2                |
| 12/1/2017 | 下午 08:00:00 | -2.302                             | 20.557              | 92.019      | 36.912                    | 0.189               | 76.9                |
| 12/1/2017 | 下午 09:00:00 | -4.739                             | 20.617              | 91.489      | 158.224                   | 0.566               | 76.9                |
| 12/1/2017 | 下午 10:00:00 | -5.552                             | 20.869              | 90.461      | 103.769                   | 0.861               | 76.9                |
| 12/1/2017 | 下午 11:00:00 | -4.198                             | 20.619              | 91.087      | 68.896                    | 0.74                | 76.9                |
| 12/2/2017 | 上午 12:00:00 | -5.416                             | 20.536              | 90.966      | 54.289                    | 0.358               | 76.9                |
| 12/2/2017 | 上午 01:00:00 | -1.354                             | 20.596              | 90.792      | 199.513                   | 0.492               | 76.9                |
| 12/2/2017 | 上午 02:00:00 | -5.687                             | 20.22               | 92.011      | 259.683                   | 0.197               | 76.9                |
| 12/2/2017 | 上午 03:00:00 | -6.229                             | 20.169              | 91.969      | 273.437                   | 0.197               | 76.9                |
| 12/2/2017 | 上午 04:00:00 | -6.499                             | 20.307              | 90.72       | 45.916                    | 0.784               | 77                  |
| 12/2/2017 | 上午 05:00:00 | -7.447                             | 19.917              | 91.248      | 199.352                   | 0.41                | 77                  |
| 12/2/2017 | 上午 06:00:00 | -4.333                             | 19.837              | 93.241      | 142.529                   | 0.582               | 77.1                |
| 12/2/2017 | 上午 07:00:00 | 0.948                              | 20.108              | 92.532      | 91.778                    | 0.192               | 77.2                |
| 12/2/2017 | 上午 08:00:00 | 36.695                             | 20.308              | 91.513      | 311.401                   | 0.203               | 77.3                |
| 12/2/2017 | 上午 09:00:00 | 34.799                             | 20.78               | 91.384      | 83.107                    | 0.46                | 77.4                |
| 12/2/2017 | 上午 10:00:00 | 166.549                            | 21.065              | 90.317      | 116.421                   | 1.411               | 77.4                |
| 12/2/2017 | 上午 11:00:00 | 133.24                             | 21.049              | 91.954      | 225.91                    | 0.193               | 77.4                |
| 12/2/2017 | 下午 12:00:00 | 141.093                            | 21.187              | 88.371      | 26.28                     | 0.814               | 77.4                |
| 12/2/2017 | 下午 01:00:00 | 204.328                            | 21.458              | 87.931      | 29.915                    | 1.284               | 77.4                |
| 12/2/2017 | 下午 02:00:00 | 113.47                             | 21.769              | 87.35       | 124.948                   | 0.672               | 77.4                |
| 12/2/2017 | 下午 03:00:00 | 106.971                            | 22.172              | 87.244      | 340.3                     | 0.81                | 77.5                |
| 12/2/2017 | 下午 04:00:00 | 24.644                             | 21.597              | 90.702      | 340.852                   | 0.203               | 77.5                |
| 12/2/2017 | 下午 05:00:00 | -3.656                             | 21.44               | 93.78       | 36.537                    | 0.189               | 77.6                |
| 12/2/2017 | 下午 06:00:00 | -5.281                             | 21.59               | 92.062      | 145.686                   | 1.336               | 77.6                |
| 12/2/2017 | 下午 07:00:00 | -3.656                             | 21.868              | 90.2        | 132.122                   | 2.231               | 77.6                |
| 12/2/2017 | 下午 08:00:00 | -2.844                             | 22.075              | 89.093      | 92.476                    | 0.749               | 77.6                |
| 12/2/2017 | 下午 09:00:00 | -4.468                             | 22.269              | 89.677      | 175.438                   | 0.843               | 77.6                |
| 12/2/2017 | 下午 10:00:00 | -6.499                             | 21.76               | 93.304      | 68.441                    | 1.482               | 77.7                |
| 12/2/2017 | 下午 11:00:00 | -8.395                             | 21.465              | 91.596      | 73.66                     | 1.096               | 77.7                |
| 12/3/2017 | 上午 12:00:00 | -7.041                             | 21.137              | 93.277      | 162.668                   | 0.999               | 77.7                |

|           |             | Pyranometer         | Temperature | RH     | Wind Direction | Wind Speed | Rain sensor |
|-----------|-------------|---------------------|-------------|--------|----------------|------------|-------------|
|           |             | [W/m <sup>2</sup> ] | [°C]        | [%RH]  | [angle]        | [m/s]      | [mm]        |
| 12/3/2017 | 上午 01:00:00 | -7.177              | 21.118      | 93.377 | 53.544         | 0.218      | 77.8        |
| 12/3/2017 | 上午 02:00:00 | -5.416              | 20.991      | 94.664 | 29.329         | 0.186      | 77.9        |
| 12/3/2017 | 上午 03:00:00 | -5.687              | 21.084      | 94.775 | 311.201        | 0.198      | 78          |
| 12/3/2017 | 上午 04:00:00 | -6.093              | 21.101      | 93.236 | 188.61         | 1.404      | 78.1        |
| 12/3/2017 | 上午 05:00:00 | -4.875              | 21.116      | 94.141 | 118.241        | 0.191      | 78.1        |
| 12/3/2017 | 上午 06:00:00 | -4.468              | 21.213      | 94.643 | 132.985        | 0.806      | 78.2        |
| 12/3/2017 | 上午 07:00:00 | 11.78               | 21.321      | 95.007 | 161.277        | 0.195      | 78.2        |
| 12/3/2017 | 上午 08:00:00 | 55.246              | 21.688      | 94.688 | 353.465        | 0.201      | 78.2        |
| 12/3/2017 | 上午 09:00:00 | 44.413              | 22.112      | 92.815 | 147.671        | 0.68       | 78.2        |
| 12/3/2017 | 上午 10:00:00 | 162.352             | 22.02       | 90.341 | 142.933        | 0.811      | 78.3        |
| 12/3/2017 | 上午 11:00:00 | 108.866             | 22.063      | 90.276 | 113.711        | 0.407      | 78.5        |
| 12/3/2017 | 下午 12:00:00 | 164.248             | 22.172      | 88.27  | 130.406        | 1.245      | 78.5        |
| 12/3/2017 | 下午 01:00:00 | 116.72              | 21.907      | 89.375 | 100.658        | 1.206      | 78.5        |
| 12/3/2017 | 下午 02:00:00 | 86.524              | 21.697      | 90.058 | 100.726        | 0.529      | 78.5        |
| 12/3/2017 | 下午 03:00:00 | 105.752             | 21.565      | 88.43  | 115.224        | 0.766      | 78.5        |
| 12/3/2017 | 下午 04:00:00 | 71.088              | 21.864      | 84.87  | 65.096         | 0.935      | 78.5        |
| 12/3/2017 | 下午 05:00:00 | 0.677               | 22.125      | 85.284 | 73.223         | 0.191      | 78.5        |
| 12/3/2017 | 下午 06:00:00 | -3.385              | 21.965      | 86.82  | 130.896        | 1.11       | 78.5        |
| 12/3/2017 | 下午 07:00:00 | -3.656              | 21.911      | 87.786 | 51.633         | 0.188      | 78.5        |
| 12/3/2017 | 下午 08:00:00 | -3.521              | 22          | 85.708 | 96.855         | 0.192      | 78.5        |
| 12/3/2017 | 下午 09:00:00 | -4.739              | 22.204      | 84.367 | 149.101        | 1.211      | 78.5        |
| 12/3/2017 | 下午 10:00:00 | -4.604              | 22.221      | 83.417 | 166.297        | 0.193      | 78.5        |
| 12/3/2017 | 下午 11:00:00 | -3.385              | 22.131      | 82.834 | 96.848         | 0.192      | 78.5        |
| 12/4/2017 | 上午 12:00:00 | -4.333              | 21.878      | 81.184 | 177.383        | 0.193      | 78.5        |
| 12/4/2017 | 上午 01:00:00 | -4.333              | 21.555      | 82.143 | 22.87          | 0.188      | 78.5        |
| 12/4/2017 | 上午 02:00:00 | -2.979              | 21.321      | 82.453 | 161.461        | 0.192      | 78.5        |
| 12/4/2017 | 上午 03:00:00 | -3.385              | 21.12       | 88.555 | 139.465        | 0.193      | 78.5        |
| 12/4/2017 | 上午 04:00:00 | -4.333              | 20.834      | 89.054 | 207.24         | 0.197      | 78.5        |
| 12/4/2017 | 上午 05:00:00 | -1.76               | 20.666      | 90.518 | 234.825        | 1.124      | 78.5        |
| 12/4/2017 | 上午 06:00:00 | -3.927              | 20.646      | 89.88  | 232.326        | 0.523      | 78.5        |
| 12/4/2017 | 上午 07:00:00 | 16.249              | 20.871      | 87.263 | 300.804        | 0.198      | 78.5        |
| 12/4/2017 | 上午 08:00:00 | 110.356             | 21.939      | 78.492 | 86.447         | 0.695      | 78.5        |
| 12/4/2017 | 上午 09:00:00 | 65.13               | 22.005      | 71.162 | 113.523        | 0.187      | 78.5        |
| 12/4/2017 | 上午 10:00:00 | 202.838             | 22.409      | 68.033 | 80.994         | 0.923      | 78.5        |
| 12/4/2017 | 上午 11:00:00 | 761.524             | 23.507      | 62.466 | 73.888         | 0.192      | 78.5        |
| 12/4/2017 | 下午 12:00:00 | 320.1               | 23.343      | 61.615 | 90.007         | 0.195      | 78.5        |
| 12/4/2017 | 下午 01:00:00 | 136.354             | 22.952      | 63.351 | 226.098        | 0.441      | 78.5        |
| 12/4/2017 | 下午 02:00:00 | 33.039              | 21.961      | 67.95  | 186.005        | 0.847      | 78.5        |
| 12/4/2017 | 下午 03:00:00 | 32.497              | 21.607      | 69.097 | 315.754        | 0.199      | 78.5        |
| 12/4/2017 | 下午 04:00:00 | 14.218              | 21.102      | 73.694 | 334.993        | 0.661      | 78.5        |
| 12/4/2017 | 下午 05:00:00 | -1.76               | 21.04       | 71.452 | 135.924        | 0.19       | 78.5        |
| 12/4/2017 | 下午 06:00:00 | -3.114              | 20.891      | 66.134 | 168.887        | 0.57       | 78.5        |
| 12/4/2017 | 下午 07:00:00 | -4.604              | 20.836      | 59.031 | 78.993         | 0.189      | 78.5        |
| 12/4/2017 | 下午 08:00:00 | -2.302              | 20.608      | 63.897 | 156.248        | 1.489      | 78.5        |
| 12/4/2017 | 下午 09:00:00 | -4.198              | 20.586      | 61.36  | 157.311        | 2.523      | 78.5        |
| 12/4/2017 | 下午 10:00:00 | -2.979              | 20.353      | 63.355 | 149.496        | 1.348      | 78.5        |
| 12/4/2017 | 下午 11:00:00 | -3.656              | 20.366      | 63.613 | 86.072         | 0.715      | 78.5        |
| 12/5/2017 | 上午 12:00:00 | -3.521              | 19.886      | 65.346 | 112.699        | 0.901      | 78.5        |
| 12/5/2017 | 上午 01:00:00 | -3.25               | 20.054      | 61.085 | 59.917         | 0.898      | 78.5        |

|           |             | Pyranometer         | Temperature | RH     | Wind Direction | Wind Speed | Rain sensor |
|-----------|-------------|---------------------|-------------|--------|----------------|------------|-------------|
|           |             | [W/m <sup>2</sup> ] | [°C]        | [%RH]  | [angle]        | [m/s]      | [mm]        |
| 12/5/2017 | 上午 02:00:00 | -3.114              | 20.118      | 60.09  | 183.824        | 1.041      | 78.5        |
| 12/5/2017 | 上午 03:00:00 | -4.875              | 19.94       | 58.595 | 130.536        | 0.949      | 78.5        |
| 12/5/2017 | 上午 04:00:00 | -3.656              | 19.196      | 64.822 | 42.717         | 0.188      | 78.5        |
| 12/5/2017 | 上午 05:00:00 | -3.25               | 19.08       | 66.191 | 273.425        | 0.196      | 78.5        |
| 12/5/2017 | 上午 06:00:00 | -11.78              | 18.19       | 73.171 | 145.69         | 0.675      | 78.5        |
| 12/5/2017 | 上午 07:00:00 | -6.229              | 17.286      | 80.314 | 120.343        | 1.082      | 78.8        |
| 12/5/2017 | 上午 08:00:00 | 5.552               | 17.234      | 82.714 | 153.392        | 0.618      | 79          |
| 12/5/2017 | 上午 09:00:00 | 16.79               | 17.516      | 79.556 | 126.461        | 0.19       | 79          |
| 12/5/2017 | 上午 10:00:00 | 28.706              | 17.775      | 78.408 | 58.933         | 0.214      | 79          |
| 12/5/2017 | 上午 11:00:00 | 22.071              | 17.787      | 76.715 | 152.99         | 0.259      | 79          |
| 12/5/2017 | 下午 12:00:00 | 26.54               | 17.843      | 76.008 | 120.711        | 0.188      | 79          |
| 12/5/2017 | 下午 01:00:00 | 20.04               | 17.484      | 78.885 | 133.084        | 0.258      | 79          |
| 12/5/2017 | 下午 02:00:00 | 36.56               | 17.729      | 75.419 | 326.863        | 0.489      | 79          |
| 12/5/2017 | 下午 03:00:00 | 28.029              | 17.959      | 75.146 | 6.819          | 0.183      | 79          |
| 12/5/2017 | 下午 04:00:00 | 2.844               | 17.685      | 76.794 | 120.534        | 0.887      | 79          |
| 12/5/2017 | 下午 05:00:00 | -2.302              | 17.677      | 72.868 | 302.289        | 0.841      | 79          |
| 12/5/2017 | 下午 06:00:00 | -2.573              | 17.611      | 71.573 | 94.695         | 1.248      | 79          |
| 12/5/2017 | 下午 07:00:00 | -3.521              | 17.657      | 70.23  | 125.915        | 0.674      | 79          |
| 12/5/2017 | 下午 08:00:00 | -4.198              | 17.401      | 70.149 | 151.033        | 2.231      | 79          |
| 12/5/2017 | 下午 09:00:00 | -3.114              | 17.432      | 67.37  | 106.105        | 1.45       | 79          |
| 12/5/2017 | 下午 10:00:00 | -2.979              | 17.57       | 65.089 | 63.922         | 0.575      | 79          |
| 12/5/2017 | 下午 11:00:00 | -3.385              | 17.572      | 65.537 | 110.355        | 1.045      | 79          |
| 12/6/2017 | 上午 12:00:00 | -3.114              | 17.601      | 62.276 | 140.267        | 0.191      | 79          |
| 12/6/2017 | 上午 01:00:00 | -4.739              | 17.859      | 61.469 | 206.769        | 0.938      | 79          |
| 12/6/2017 | 上午 02:00:00 | -4.468              | 17.683      | 63.493 | 91.317         | 2.539      | 79          |
| 12/6/2017 | 上午 03:00:00 | -3.521              | 17.541      | 63.303 | 75.016         | 1.219      | 79          |
| 12/6/2017 | 上午 04:00:00 | -4.198              | 17.687      | 63.18  | 163.572        | 0.19       | 79          |
| 12/6/2017 | 上午 05:00:00 | -4.198              | 17.635      | 65.134 | 149.808        | 0.192      | 79          |
| 12/6/2017 | 上午 06:00:00 | -11.78              | 17.175      | 70.286 | 116.407        | 0.751      | 79          |
| 12/6/2017 | 上午 07:00:00 | 9.749               | 17.43       | 68.129 | 142.248        | 1.29       | 79          |
| 12/6/2017 | 上午 08:00:00 | 32.227              | 17.759      | 67.608 | 130.66         | 0.188      | 79          |
| 12/6/2017 | 上午 09:00:00 | 32.633              | 17.855      | 67.729 | 131.273        | 1.827      | 79          |
| 12/6/2017 | 上午 10:00:00 | 99.523              | 18.031      | 69.057 | 20.138         | 1.119      | 79          |
| 12/6/2017 | 上午 11:00:00 | 71.765              | 18.342      | 68.613 | 77.383         | 1.001      | 79          |
| 12/6/2017 | 下午 12:00:00 | 22.748              | 17.743      | 76.666 | 139.047        | 0.19       | 79          |
| 12/6/2017 | 下午 01:00:00 | 114.418             | 17.476      | 81.698 | 94.988         | 2.267      | 79.1        |
| 12/6/2017 | 下午 02:00:00 | 44.142              | 17.768      | 83.555 | 211.497        | 0.705      | 79.1        |
| 12/6/2017 | 下午 03:00:00 | 54.839              | 17.629      | 83.851 | 81.305         | 0.945      | 79.2        |
| 12/6/2017 | 下午 04:00:00 | 4.062               | 17.731      | 85.291 | 103.112        | 0.785      | 79.2        |
| 12/6/2017 | 下午 05:00:00 | -3.521              | 17.865      | 84.314 | 13.456         | 0.187      | 79.2        |
| 12/6/2017 | 下午 06:00:00 | -5.822              | 17.914      | 84.012 | 119.875        | 1.331      | 79.2        |
| 12/6/2017 | 下午 07:00:00 | -5.822              | 17.867      | 86.304 | 247.275        | 0.193      | 79.3        |
| 12/6/2017 | 下午 08:00:00 | -8.666              | 17.88       | 87.632 | 93.671         | 0.343      | 79.3        |
| 12/6/2017 | 下午 09:00:00 | -7.854              | 17.85       | 87.49  | 80.256         | 0.186      | 79.4        |
| 12/6/2017 | 下午 10:00:00 | -7.447              | 17.937      | 89.249 | 27.248         | 0.184      | 79.6        |
| 12/6/2017 | 下午 11:00:00 | -6.364              | 17.816      | 91.596 | 118.703        | 0.186      | 79.7        |
| 12/7/2017 | 上午 12:00:00 | -5.958              | 17.939      | 90.932 | 92.212         | 0.187      | 80          |
| 12/7/2017 | 上午 01:00:00 | -5.01               | 17.726      | 93.066 | 157.341        | 1.187      | 80.2        |
| 12/7/2017 | 上午 02:00:00 | -3.927              | 18.002      | 93.49  | 310.76         | 0.194      | 80.3        |

|           |             | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|-----------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/7/2017 | 上午 03:00:00 | -5.01                              | 18.045              | 94.956      | 99.6                      | 0.186               | 80.8                |
| 12/7/2017 | 上午 04:00:00 | -3.656                             | 17.851              | 96.525      | 317.359                   | 0.195               | 82.6                |
| 12/7/2017 | 上午 05:00:00 | -2.708                             | 17.878              | 96.732      | 14.198                    | 0.184               | 83.4                |
| 12/7/2017 | 上午 06:00:00 | -5.416                             | 18.132              | 95.453      | 26.607                    | 0.184               | 83.8                |
| 12/7/2017 | 上午 07:00:00 | 10.562                             | 18.118              | 95.862      | 97.643                    | 0.187               | 84.4                |
| 12/7/2017 | 上午 08:00:00 | 43.736                             | 18.602              | 94.029      | 78.425                    | 0.183               | 84.5                |
| 12/7/2017 | 上午 09:00:00 | 171.559                            | 19.248              | 91.836      | 94.206                    | 0.184               | 84.5                |
| 12/7/2017 | 上午 10:00:00 | 148.405                            | 20.114              | 87.26       | 131.656                   | 0.192               | 84.6                |
| 12/7/2017 | 上午 11:00:00 | 153.144                            | 20.296              | 90.267      | 160.349                   | 0.69                | 84.6                |
| 12/7/2017 | 下午 12:00:00 | 97.222                             | 20.174              | 90.409      | 36.306                    | 0.186               | 84.7                |
| 12/7/2017 | 下午 01:00:00 | 70.547                             | 20.371              | 92.018      | 353.959                   | 0.198               | 84.9                |
| 12/7/2017 | 下午 02:00:00 | 31.414                             | 19.601              | 94.391      | 79.781                    | 0.187               | 86.4                |
| 12/7/2017 | 下午 03:00:00 | 33.852                             | 19.327              | 94.373      | 137.718                   | 0.189               | 87.3                |
| 12/7/2017 | 下午 04:00:00 | 12.322                             | 19.114              | 94.112      | 162.533                   | 0.911               | 88.1                |
| 12/7/2017 | 下午 05:00:00 | -2.979                             | 19.084              | 94.956      | 320.093                   | 0.197               | 88.4                |
| 12/7/2017 | 下午 06:00:00 | -5.145                             | 19.086              | 94.876      | 57.111                    | 0.19                | 88.7                |
| 12/7/2017 | 下午 07:00:00 | -3.791                             | 19.153              | 93.618      | 37.831                    | 0.186               | 89.2                |
| 12/7/2017 | 下午 08:00:00 | -3.791                             | 19.162              | 95.404      | 119.764                   | 0.187               | 90.2                |
| 12/7/2017 | 下午 09:00:00 | -4.468                             | 18.67               | 92.449      | 167.652                   | 0.19                | 90.7                |
| 12/7/2017 | 下午 10:00:00 | -5.416                             | 18.569              | 91.94       | 20.332                    | 0.182               | 91.2                |
| 12/7/2017 | 下午 11:00:00 | -4.062                             | 18.287              | 94.838      | 54.061                    | 0.186               | 92.8                |
| 12/8/2017 | 上午 12:00:00 | -2.979                             | 18.024              | 93.73       | 122.332                   | 0.186               | 94.5                |
| 12/8/2017 | 上午 01:00:00 | -3.656                             | 17.69               | 94.214      | 118.984                   | 0.187               | 96.2                |
| 12/8/2017 | 上午 02:00:00 | -4.468                             | 17.371              | 95.137      | 102.992                   | 0.654               | 97.2                |
| 12/8/2017 | 上午 03:00:00 | -3.114                             | 17.003              | 87.354      | 337.786                   | 0.198               | 99.4                |
| 12/8/2017 | 上午 04:00:00 | -3.656                             | 16.505              | 92.327      | 134.045                   | 0.191               | 99.9                |
| 12/8/2017 | 上午 05:00:00 | -3.927                             | 16.312              | 90.35       | 209.754                   | 0.503               | 100.2               |
| 12/8/2017 | 上午 06:00:00 | -3.927                             | 15.975              | 92.645      | 92.406                    | 0.675               | 100.7               |
| 12/8/2017 | 上午 07:00:00 | 0.677                              | 16.015              | 94.557      | 254.757                   | 0.193               | 101.6               |
| 12/8/2017 | 上午 08:00:00 | 8.26                               | 16.176              | 77.505      | 282.619                   | 0.196               | 101.8               |
| 12/8/2017 | 上午 09:00:00 | 83.139                             | 16.88               | 65.398      | 77.736                    | 0.184               | 101.8               |
| 12/8/2017 | 上午 10:00:00 | 223.014                            | 17.608              | 63.42       | 132.541                   | 0.189               | 101.8               |
| 12/8/2017 | 上午 11:00:00 | 217.598                            | 18.025              | 58.19       | 333.603                   | 0.199               | 101.8               |
| 12/8/2017 | 下午 12:00:00 | 132.156                            | 17.64               | 58.189      | 296.546                   | 0.926               | 101.8               |
| 12/8/2017 | 下午 01:00:00 | 23.425                             | 17.437              | 60.04       | 121.669                   | 1.065               | 101.8               |
| 12/8/2017 | 下午 02:00:00 | 27.623                             | 17.278              | 57.606      | 53.122                    | 0.44                | 101.8               |
| 12/8/2017 | 下午 03:00:00 | 27.487                             | 17.259              | 54.726      | 52.593                    | 0.189               | 101.8               |
| 12/8/2017 | 下午 04:00:00 | 10.291                             | 17.005              | 53.396      | 208.547                   | 0.439               | 101.8               |
| 12/8/2017 | 下午 05:00:00 | -3.114                             | 16.847              | 55.268      | 14.637                    | 0.184               | 101.8               |
| 12/8/2017 | 下午 06:00:00 | -3.385                             | 16.802              | 55.024      | 85.638                    | 0.186               | 101.8               |
| 12/8/2017 | 下午 07:00:00 | -2.573                             | 16.577              | 57.533      | 130.476                   | 0.186               | 101.8               |
| 12/8/2017 | 下午 08:00:00 | -4.604                             | 16.504              | 61.314      | 88.168                    | 0.629               | 101.8               |
| 12/8/2017 | 下午 09:00:00 | -10.426                            | 15.609              | 73.667      | 104.039                   | 0.546               | 101.8               |
| 12/8/2017 | 下午 10:00:00 | -6.635                             | 15.035              | 82.238      | 94.996                    | 0.295               | 102.2               |
| 12/8/2017 | 下午 11:00:00 | -5.552                             | 15.082              | 82.362      | 235.444                   | 0.192               | 102.4               |
| 12/9/2017 | 上午 12:00:00 | -4.062                             | 15.233              | 82.193      | 83.654                    | 0.185               | 102.4               |
| 12/9/2017 | 上午 01:00:00 | -3.656                             | 15.073              | 83.767      | 151.812                   | 0.381               | 102.5               |
| 12/9/2017 | 上午 02:00:00 | -6.635                             | 15.293              | 84.489      | 80.996                    | 0.186               | 102.6               |
| 12/9/2017 | 上午 03:00:00 | -4.198                             | 15.146              | 84.529      | 117.387                   | 0.606               | 102.6               |

|            |             | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/9/2017  | 上午 04:00:00 | -6.635                             | 15.122              | 85.293      | 48.046                    | 0.188               | 102.8               |
| 12/9/2017  | 上午 05:00:00 | -7.447                             | 15.246              | 82.636      | 138.8                     | 0.187               | 102.9               |
| 12/9/2017  | 上午 06:00:00 | -6.364                             | 15.29               | 83.693      | 46.429                    | 0.184               | 103.1               |
| 12/9/2017  | 上午 07:00:00 | 3.656                              | 15.559              | 80.399      | 238.022                   | 0.886               | 103.2               |
| 12/9/2017  | 上午 08:00:00 | 12.187                             | 15.31               | 85.247      | 148.15                    | 1.024               | 103.4               |
| 12/9/2017  | 上午 09:00:00 | 29.654                             | 15.412              | 90.061      | 97.015                    | 0.667               | 104                 |
| 12/9/2017  | 上午 10:00:00 | 62.151                             | 15.986              | 90.945      | 85.616                    | 0.797               | 104.4               |
| 12/9/2017  | 上午 11:00:00 | 95.867                             | 16.715              | 91.81       | 320.417                   | 0.193               | 104.9               |
| 12/9/2017  | 下午 12:00:00 | 61.881                             | 17.093              | 89.415      | 131.124                   | 0.836               | 105.1               |
| 12/9/2017  | 下午 01:00:00 | 124.167                            | 17.477              | 92.657      | 309.824                   | 0.194               | 105.5               |
| 12/9/2017  | 下午 02:00:00 | 71.63                              | 17.851              | 89.75       | 154.096                   | 0.189               | 105.6               |
| 12/9/2017  | 下午 03:00:00 | 69.057                             | 18.001              | 87.665      | 126.384                   | 0.551               | 105.6               |
| 12/9/2017  | 下午 04:00:00 | 64.318                             | 18.183              | 85.069      | 83.858                    | 0.185               | 105.6               |
| 12/9/2017  | 下午 05:00:00 | -1.083                             | 18.04               | 83.557      | 297.696                   | 0.193               | 105.6               |
| 12/9/2017  | 下午 06:00:00 | -6.499                             | 17.672              | 86.435      | 98.532                    | 1.001               | 105.6               |
| 12/9/2017  | 下午 07:00:00 | -6.229                             | 17.101              | 88.709      | 134.339                   | 0.511               | 105.6               |
| 12/9/2017  | 下午 08:00:00 | -6.229                             | 17.61               | 82.892      | 29.225                    | 0.181               | 105.6               |
| 12/9/2017  | 下午 09:00:00 | -7.177                             | 17.684              | 82.569      | 174.982                   | 0.189               | 105.6               |
| 12/9/2017  | 下午 10:00:00 | -9.072                             | 17.082              | 86.658      | 132.256                   | 0.263               | 105.6               |
| 12/9/2017  | 下午 11:00:00 | -6.635                             | 15.642              | 91.188      | 210.911                   | 0.986               | 105.6               |
| 12/10/2017 | 上午 12:00:00 | -6.77                              | 15.646              | 89.817      | 186.184                   | 0.192               | 105.6               |
| 12/10/2017 | 上午 01:00:00 | -7.447                             | 15.172              | 94.467      | 276.485                   | 0.193               | 105.6               |
| 12/10/2017 | 上午 02:00:00 | -6.229                             | 15.052              | 95.497      | 248.37                    | 0.627               | 105.6               |
| 12/10/2017 | 上午 03:00:00 | -7.854                             | 14.759              | 91.875      | 207.822                   | 0.191               | 105.6               |
| 12/10/2017 | 上午 04:00:00 | -8.395                             | 14.663              | 92.556      | 272.158                   | 0.193               | 105.6               |
| 12/10/2017 | 上午 05:00:00 | -7.718                             | 14.674              | 92.453      | 121.402                   | 0.185               | 105.6               |
| 12/10/2017 | 上午 06:00:00 | -5.822                             | 14.655              | 92.816      | 188.534                   | 0.19                | 105.6               |
| 12/10/2017 | 上午 07:00:00 | 28.977                             | 14.95               | 93.988      | 302.497                   | 0.194               | 105.6               |
| 12/10/2017 | 上午 08:00:00 | 135                                | 16.764              | 85.911      | 148.569                   | 0.188               | 105.6               |
| 12/10/2017 | 上午 09:00:00 | 436.414                            | 19.324              | 74.166      | 63.713                    | 0.93                | 105.6               |
| 12/10/2017 | 上午 10:00:00 | 509.398                            | 21.759              | 62.754      | 118.005                   | 0.525               | 105.6               |
| 12/10/2017 | 上午 11:00:00 | 566.674                            | 23.596              | 61.362      | 165.437                   | 0.193               | 105.6               |
| 12/10/2017 | 下午 12:00:00 | 730.516                            | 25.064              | 59.921      | 90.296                    | 0.19                | 105.6               |
| 12/10/2017 | 下午 01:00:00 | 158.425                            | 21.667              | 74.631      | 171.37                    | 0.591               | 105.6               |
| 12/10/2017 | 下午 02:00:00 | 544.739                            | 24.202              | 63.133      | 257.833                   | 0.2                 | 105.6               |
| 12/10/2017 | 下午 03:00:00 | 327.683                            | 24.877              | 61.521      | 104.081                   | 0.191               | 105.6               |
| 12/10/2017 | 下午 04:00:00 | 135.271                            | 23.84               | 67.443      | 76.084                    | 0.191               | 105.6               |
| 12/10/2017 | 下午 05:00:00 | 0.542                              | 21.622              | 77.767      | 268.972                   | 0.196               | 105.6               |
| 12/10/2017 | 下午 06:00:00 | -6.229                             | 20.79               | 79.959      | 303.139                   | 0.194               | 105.6               |
| 12/10/2017 | 下午 07:00:00 | -6.906                             | 19.461              | 87.799      | 117.653                   | 0.449               | 105.6               |
| 12/10/2017 | 下午 08:00:00 | -7.312                             | 18.968              | 88.933      | 88.193                    | 0.187               | 105.6               |
| 12/10/2017 | 下午 09:00:00 | -3.927                             | 19.258              | 88.251      | 101.525                   | 0.186               | 105.6               |
| 12/10/2017 | 下午 10:00:00 | -3.521                             | 20.174              | 81.774      | 89.566                    | 0.884               | 105.6               |
| 12/10/2017 | 下午 11:00:00 | -3.114                             | 19.945              | 78.448      | 261.222                   | 0.195               | 105.6               |
| 12/11/2017 | 上午 12:00:00 | -4.468                             | 20.093              | 74.626      | 120.691                   | 0.523               | 105.6               |
| 12/11/2017 | 上午 01:00:00 | -4.333                             | 19.806              | 71.881      | 305.659                   | 0.199               | 105.6               |
| 12/11/2017 | 上午 02:00:00 | -3.385                             | 19.861              | 67.502      | 29.111                    | 0.195               | 105.6               |
| 12/11/2017 | 上午 03:00:00 | -4.198                             | 19.638              | 64.381      | 123.166                   | 1.113               | 105.6               |
| 12/11/2017 | 上午 04:00:00 | -4.875                             | 19.231              | 65.649      | 138.46                    | 0.595               | 105.6               |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/11/2017 上午 05:00:00 | -4.604                             | 19.062              | 64.352      | 91.056                    | 0.188               | 105.6               |
| 12/11/2017 上午 06:00:00 | -5.822                             | 18.974              | 63.356      | 99.839                    | 0.187               | 105.6               |
| 12/11/2017 上午 07:00:00 | 9.885                              | 18.937              | 62.63       | 71.66                     | 0.92                | 105.6               |
| 12/11/2017 上午 08:00:00 | 62.016                             | 19.022              | 61.503      | 264.536                   | 0.469               | 105.6               |
| 12/11/2017 上午 09:00:00 | 124.574                            | 19.369              | 61.684      | 88.031                    | 0.185               | 105.6               |
| 12/11/2017 上午 10:00:00 | 156.936                            | 19.564              | 61.142      | 45.691                    | 2.465               | 105.6               |
| 12/11/2017 上午 11:00:00 | 193.766                            | 19.682              | 61.488      | 141.397                   | 0.203               | 105.6               |
| 12/11/2017 下午 12:00:00 | 140.958                            | 19.604              | 61.465      | 121.886                   | 1.011               | 105.6               |
| 12/11/2017 下午 01:00:00 | 111.71                             | 19.521              | 62.454      | 95.816                    | 0.193               | 105.6               |
| 12/11/2017 下午 02:00:00 | 73.39                              | 19.338              | 63.557      | 118.569                   | 0.596               | 105.6               |
| 12/11/2017 下午 03:00:00 | 37.507                             | 19.167              | 63.819      | 189.884                   | 0.717               | 105.6               |
| 12/11/2017 下午 04:00:00 | 18.686                             | 19.208              | 63.456      | 72.034                    | 0.553               | 105.6               |
| 12/11/2017 下午 05:00:00 | -2.844                             | 19.095              | 64.906      | 189.771                   | 1.357               | 105.6               |
| 12/11/2017 下午 06:00:00 | -4.739                             | 19.057              | 64.179      | 65.702                    | 0.187               | 105.6               |
| 12/11/2017 下午 07:00:00 | -4.198                             | 19.125              | 64.241      | 103.13                    | 0.52                | 105.6               |
| 12/11/2017 下午 08:00:00 | -4.062                             | 19.444              | 62.345      | 138.635                   | 0.186               | 105.6               |
| 12/11/2017 下午 09:00:00 | -3.791                             | 19.378              | 62.228      | 144.412                   | 2.913               | 105.6               |
| 12/11/2017 下午 10:00:00 | -4.875                             | 19.429              | 60.499      | 99.283                    | 2.375               | 105.6               |
| 12/11/2017 下午 11:00:00 | -5.01                              | 19.474              | 60.014      | 180.237                   | 1.698               | 105.6               |
| 12/12/2017 上午 12:00:00 | -3.791                             | 19.399              | 61.784      | 85.669                    | 1.181               | 105.6               |
| 12/12/2017 上午 01:00:00 | -4.604                             | 19.265              | 60.476      | 97.011                    | 0.184               | 105.6               |
| 12/12/2017 上午 02:00:00 | -4.739                             | 19.264              | 63.989      | 147.028                   | 2.007               | 105.6               |
| 12/12/2017 上午 03:00:00 | -6.093                             | 19.271              | 66.493      | 89.775                    | 0.515               | 105.6               |
| 12/12/2017 上午 04:00:00 | -3.521                             | 19.054              | 74.141      | 27.463                    | 0.927               | 105.6               |
| 12/12/2017 上午 05:00:00 | -10.155                            | 18.631              | 84.523      | 20.58                     | 0.186               | 105.6               |
| 12/12/2017 上午 06:00:00 | -6.635                             | 18.185              | 88.226      | 84.004                    | 0.185               | 105.6               |
| 12/12/2017 上午 07:00:00 | 6.093                              | 18.073              | 90.361      | 155.154                   | 0.189               | 105.6               |
| 12/12/2017 上午 08:00:00 | 20.446                             | 17.814              | 93.42       | 177.434                   | 1.09                | 106.4               |
| 12/12/2017 上午 09:00:00 | 34.258                             | 18.033              | 92.611      | 50.015                    | 0.543               | 107                 |
| 12/12/2017 上午 10:00:00 | 76.64                              | 18.214              | 94.185      | 342.881                   | 0.193               | 108.1               |
| 12/12/2017 上午 11:00:00 | 57.141                             | 18.875              | 92.295      | 33.92                     | 0.183               | 108.6               |
| 12/12/2017 下午 12:00:00 | 78.942                             | 18.613              | 91.186      | 62.162                    | 0.186               | 109.8               |
| 12/12/2017 下午 01:00:00 | 94.92                              | 18.531              | 91.833      | 206.691                   | 0.729               | 110.5               |
| 12/12/2017 下午 02:00:00 | 70.276                             | 18.675              | 90.64       | 337.872                   | 0.198               | 110.8               |
| 12/12/2017 下午 03:00:00 | 51.183                             | 18.613              | 93.279      | 50.623                    | 0.188               | 111.3               |
| 12/12/2017 下午 04:00:00 | 20.853                             | 18.679              | 95.274      | 16.275                    | 0.184               | 112.4               |
| 12/12/2017 下午 05:00:00 | -4.468                             | 18.482              | 93.038      | 105.841                   | 0.591               | 113.3               |
| 12/12/2017 下午 06:00:00 | -5.958                             | 18.635              | 92.252      | 75.934                    | 0.898               | 113.6               |
| 12/12/2017 下午 07:00:00 | -5.01                              | 18.717              | 92.204      | 55.987                    | 0.458               | 113.7               |
| 12/12/2017 下午 08:00:00 | -6.499                             | 18.443              | 92.755      | 263.065                   | 0.563               | 113.9               |
| 12/12/2017 下午 09:00:00 | -7.312                             | 18.565              | 90.382      | 105.632                   | 0.444               | 114                 |
| 12/12/2017 下午 10:00:00 | -5.281                             | 18.504              | 91.755      | 37.761                    | 0.815               | 114                 |
| 12/12/2017 下午 11:00:00 | -4.062                             | 18.783              | 89.413      | 75.25                     | 0.683               | 114                 |
| 12/13/2017 上午 12:00:00 | -6.77                              | 18.748              | 91.642      | 168.45                    | 1.263               | 114.1               |
| 12/13/2017 上午 01:00:00 | -6.499                             | 18.852              | 91.246      | 121.042                   | 0.961               | 114.2               |
| 12/13/2017 上午 02:00:00 | -6.499                             | 18.525              | 94.786      | 90.348                    | 0.188               | 114.2               |
| 12/13/2017 上午 03:00:00 | -3.656                             | 18.982              | 93.016      | 87.099                    | 0.906               | 114.2               |
| 12/13/2017 上午 04:00:00 | -4.604                             | 19.475              | 88.709      | 224.698                   | 0.575               | 114.3               |
| 12/13/2017 上午 05:00:00 | -5.687                             | 19.253              | 91.336      | 50.184                    | 1.322               | 114.3               |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/13/2017 上午 06:00:00 | -4.062                             | 19.54               | 88.85       | 153.149                   | 1.469               | 114.3               |
| 12/13/2017 上午 07:00:00 | 18.144                             | 19.31               | 92.312      | 139.122                   | 0.37                | 114.3               |
| 12/13/2017 上午 08:00:00 | 97.357                             | 19.801              | 90.912      | 68.422                    | 0.184               | 114.3               |
| 12/13/2017 上午 09:00:00 | 198.641                            | 19.612              | 89.721      | 337.966                   | 0.614               | 114.3               |
| 12/13/2017 上午 10:00:00 | 44.007                             | 19.389              | 90.901      | 125.519                   | 0.235               | 114.3               |
| 12/13/2017 上午 11:00:00 | 167.091                            | 19.216              | 91.179      | 59.657                    | 1.277               | 114.4               |
| 12/13/2017 下午 12:00:00 | 116.314                            | 19.224              | 88.531      | 228.533                   | 1.115               | 114.4               |
| 12/13/2017 下午 01:00:00 | 215.702                            | 20.259              | 84.688      | 68.682                    | 0.972               | 114.4               |
| 12/13/2017 下午 02:00:00 | 181.58                             | 20.519              | 82.368      | 24.136                    | 0.185               | 114.4               |
| 12/13/2017 下午 03:00:00 | 75.15                              | 19.921              | 84.627      | 135.558                   | 0.189               | 114.4               |
| 12/13/2017 下午 04:00:00 | 9.749                              | 19.286              | 89.377      | 16.932                    | 0.209               | 114.4               |
| 12/13/2017 下午 05:00:00 | -5.958                             | 18.942              | 89.899      | 52.096                    | 1.305               | 114.4               |
| 12/13/2017 下午 06:00:00 | -7.447                             | 18.376              | 90.414      | 319.177                   | 0.322               | 114.4               |
| 12/13/2017 下午 07:00:00 | -6.499                             | 17.864              | 90.808      | 142.811                   | 1.553               | 114.5               |
| 12/13/2017 下午 08:00:00 | -5.822                             | 17.941              | 91.067      | 129.621                   | 0.189               | 114.6               |
| 12/13/2017 下午 09:00:00 | -5.416                             | 17.814              | 90.704      | 113.767                   | 0.879               | 114.8               |
| 12/13/2017 下午 10:00:00 | -7.041                             | 17.778              | 90.806      | 44.65                     | 0.247               | 114.8               |
| 12/13/2017 下午 11:00:00 | -4.062                             | 17.958              | 87.564      | 164.025                   | 2.661               | 114.8               |
| 12/14/2017 上午 12:00:00 | -4.604                             | 17.963              | 87.319      | 330.23                    | 0.197               | 114.8               |
| 12/14/2017 上午 01:00:00 | -5.416                             | 18.06               | 85.268      | 159.618                   | 1.606               | 114.8               |
| 12/14/2017 上午 02:00:00 | -2.573                             | 18.286              | 80.823      | 102.226                   | 0.824               | 114.8               |
| 12/14/2017 上午 03:00:00 | -2.979                             | 18.881              | 76.635      | 77.122                    | 0.761               | 114.8               |
| 12/14/2017 上午 04:00:00 | -2.437                             | 18.928              | 82.718      | 212.866                   | 0.486               | 114.8               |
| 12/14/2017 上午 05:00:00 | -4.875                             | 19.053              | 82.471      | 255.18                    | 0.196               | 114.8               |
| 12/14/2017 上午 06:00:00 | -4.062                             | 19.421              | 80.243      | 9.537                     | 0.756               | 114.8               |
| 12/14/2017 上午 07:00:00 | 32.904                             | 19.506              | 78.204      | 75.341                    | 0.86                | 114.8               |
| 12/14/2017 上午 08:00:00 | 52.267                             | 20.006              | 77.138      | 134.923                   | 0.828               | 114.8               |
| 12/14/2017 上午 09:00:00 | 481.098                            | 22.358              | 70.558      | 246.9                     | 0.197               | 114.8               |
| 12/14/2017 上午 10:00:00 | 645.751                            | 22.963              | 71.395      | 101.649                   | 0.839               | 114.8               |
| 12/14/2017 上午 11:00:00 | 170.07                             | 22.446              | 73.066      | 64.641                    | 0.797               | 114.8               |
| 12/14/2017 下午 12:00:00 | 258.896                            | 23.183              | 69.82       | 44.83                     | 0.926               | 114.8               |
| 12/14/2017 下午 01:00:00 | 253.074                            | 22.063              | 75.72       | 53.144                    | 1.104               | 114.8               |
| 12/14/2017 下午 02:00:00 | 135.406                            | 21.716              | 75.349      | 80.644                    | 1.409               | 114.8               |
| 12/14/2017 下午 03:00:00 | 106.429                            | 21.579              | 77.91       | 13.311                    | 0.466               | 114.8               |
| 12/14/2017 下午 04:00:00 | 90.587                             | 21.236              | 80.086      | 169.914                   | 0.92                | 114.8               |
| 12/14/2017 下午 05:00:00 | 6.499                              | 21.02               | 80.304      | 107.619                   | 1.139               | 114.8               |
| 12/14/2017 下午 06:00:00 | -3.385                             | 21.035              | 79.699      | 95.608                    | 0.189               | 114.8               |
| 12/14/2017 下午 07:00:00 | -3.25                              | 21.2                | 79.578      | 17.328                    | 0.184               | 114.8               |
| 12/14/2017 下午 08:00:00 | -3.385                             | 21.141              | 81.55       | 283.165                   | 0.464               | 114.8               |
| 12/14/2017 下午 09:00:00 | -2.844                             | 21.061              | 83.983      | 271.702                   | 0.195               | 114.8               |
| 12/14/2017 下午 10:00:00 | -2.979                             | 20.752              | 88.795      | 113.447                   | 0.944               | 114.8               |
| 12/14/2017 下午 11:00:00 | -3.927                             | 20.595              | 90.716      | 298.439                   | 0.199               | 114.8               |
| 12/15/2017 上午 12:00:00 | -4.062                             | 20.625              | 90.277      | 291.435                   | 0.195               | 114.8               |
| 12/15/2017 上午 01:00:00 | -4.739                             | 20.28               | 92.375      | 134.863                   | 0.885               | 114.8               |
| 12/15/2017 上午 02:00:00 | -3.25                              | 20.306              | 90.123      | 76.352                    | 0.59                | 114.8               |
| 12/15/2017 上午 03:00:00 | -4.739                             | 20.626              | 86.681      | 58.881                    | 0.188               | 114.8               |
| 12/15/2017 上午 04:00:00 | -3.927                             | 20.842              | 83.519      | 55.903                    | 0.758               | 114.8               |
| 12/15/2017 上午 05:00:00 | -4.198                             | 20.923              | 84.828      | 99.476                    | 0.354               | 114.8               |
| 12/15/2017 上午 06:00:00 | -2.166                             | 20.549              | 87.888      | 43.797                    | 0.609               | 114.8               |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/15/2017 上午 07:00:00 | 16.79                              | 20.419              | 86.257      | 153.478                   | 0.191               | 114.8               |
| 12/15/2017 上午 08:00:00 | 329.037                            | 23.474              | 68.316      | 312.321                   | 0.204               | 114.8               |
| 12/15/2017 上午 09:00:00 | 232.221                            | 22.611              | 74.895      | 101.226                   | 2.137               | 114.8               |
| 12/15/2017 上午 10:00:00 | 227.076                            | 23.786              | 67.206      | 107.352                   | 1.266               | 114.8               |
| 12/15/2017 上午 11:00:00 | 747.035                            | 25.483              | 61.53       | 182.293                   | 0.7                 | 114.8               |
| 12/15/2017 下午 12:00:00 | 838.299                            | 24.919              | 64.141      | 102.375                   | 0.197               | 114.8               |
| 12/15/2017 下午 01:00:00 | 646.158                            | 25.584              | 59.765      | 68.518                    | 3.252               | 114.8               |
| 12/15/2017 下午 02:00:00 | 217.733                            | 25.894              | 58.961      | 227.173                   | 1.116               | 114.8               |
| 12/15/2017 下午 03:00:00 | 101.961                            | 25.064              | 60.953      | 86.957                    | 0.527               | 114.8               |
| 12/15/2017 下午 04:00:00 | 31.55                              | 24.337              | 63.345      | 26.572                    | 0.657               | 114.8               |
| 12/15/2017 下午 05:00:00 | 0.135                              | 24.015              | 63.091      | 163.999                   | 1.172               | 114.8               |
| 12/15/2017 下午 06:00:00 | -4.198                             | 23.696              | 63.112      | 111.408                   | 0.196               | 114.8               |
| 12/15/2017 下午 07:00:00 | -6.635                             | 23.474              | 59.792      | 148.508                   | 0.193               | 114.8               |
| 12/15/2017 下午 08:00:00 | -6.093                             | 22.446              | 66.588      | 59.7                      | 0.188               | 114.8               |
| 12/15/2017 下午 09:00:00 | -3.791                             | 22.053              | 67.214      | 28.225                    | 0.187               | 114.8               |
| 12/15/2017 下午 10:00:00 | -5.552                             | 21.72               | 70.796      | 154.836                   | 0.194               | 114.8               |
| 12/15/2017 下午 11:00:00 | -4.739                             | 21.414              | 73.068      | 74.55                     | 0.19                | 114.8               |
| 12/16/2017 上午 12:00:00 | -4.468                             | 21.132              | 75.505      | 170.604                   | 0.204               | 114.8               |
| 12/16/2017 上午 01:00:00 | -5.01                              | 20.993              | 76.587      | 231.426                   | 0.69                | 114.8               |
| 12/16/2017 上午 02:00:00 | -5.552                             | 20.846              | 78.635      | 270.591                   | 1.357               | 114.8               |
| 12/16/2017 上午 03:00:00 | -4.198                             | 20.736              | 80.414      | 157.077                   | 0.191               | 114.8               |
| 12/16/2017 上午 04:00:00 | -3.791                             | 20.808              | 81.851      | 57.63                     | 0.189               | 114.8               |
| 12/16/2017 上午 05:00:00 | -2.708                             | 20.492              | 86.087      | 20.57                     | 0.186               | 114.8               |
| 12/16/2017 上午 06:00:00 | -5.281                             | 19.879              | 94.22       | 347.641                   | 0.201               | 114.9               |
| 12/16/2017 上午 07:00:00 | 0.948                              | 20.052              | 95.545      | 66.566                    | 1.002               | 115.1               |
| 12/16/2017 上午 08:00:00 | 40.893                             | 20.571              | 89.004      | 147.983                   | 0.491               | 115.2               |
| 12/16/2017 上午 09:00:00 | 88.826                             | 20.745              | 82.811      | 77.167                    | 0.453               | 115.2               |
| 12/16/2017 上午 10:00:00 | 50.1                               | 20.412              | 88.621      | 356.295                   | 0.201               | 115.2               |
| 12/16/2017 上午 11:00:00 | 64.724                             | 20.523              | 84.86       | 136.414                   | 1.857               | 115.2               |
| 12/16/2017 下午 12:00:00 | 100.065                            | 19.56               | 85.224      | 162.777                   | 0.988               | 115.2               |
| 12/16/2017 下午 01:00:00 | 56.6                               | 19.226              | 83.275      | 322.282                   | 0.252               | 115.2               |
| 12/16/2017 下午 02:00:00 | 38.32                              | 18.619              | 84.379      | 156.589                   | 1.164               | 115.2               |
| 12/16/2017 下午 03:00:00 | 19.769                             | 17.813              | 82.015      | 151.857                   | 0.192               | 115.2               |
| 12/16/2017 下午 04:00:00 | 18.009                             | 17.262              | 80.857      | 79.132                    | 0.931               | 115.2               |
| 12/16/2017 下午 05:00:00 | -2.708                             | 16.519              | 80.576      | 160.048                   | 1.054               | 115.2               |
| 12/16/2017 下午 06:00:00 | -3.385                             | 16.072              | 81.883      | 156.967                   | 0.543               | 115.2               |
| 12/16/2017 下午 07:00:00 | -4.062                             | 15.949              | 84.519      | 169.255                   | 0.91                | 115.2               |
| 12/16/2017 下午 08:00:00 | -4.198                             | 15.941              | 84.671      | 305.575                   | 0.198               | 115.2               |
| 12/16/2017 下午 09:00:00 | -7.854                             | 15.573              | 87.094      | 17.207                    | 0.344               | 115.2               |
| 12/16/2017 下午 10:00:00 | -4.739                             | 15.219              | 87.476      | 82.29                     | 0.191               | 115.3               |
| 12/16/2017 下午 11:00:00 | -7.989                             | 14.858              | 87.233      | 146.567                   | 0.888               | 115.4               |
| 12/17/2017 上午 12:00:00 | -6.364                             | 14.723              | 88.18       | 97.856                    | 0.184               | 115.4               |
| 12/17/2017 上午 01:00:00 | -6.364                             | 14.513              | 86.872      | 205.096                   | 0.19                | 115.7               |
| 12/17/2017 上午 02:00:00 | -6.635                             | 14.227              | 87.072      | 107.425                   | 0.189               | 115.9               |
| 12/17/2017 上午 03:00:00 | -7.854                             | 14.016              | 85.259      | 10.546                    | 0.904               | 115.9               |
| 12/17/2017 上午 04:00:00 | -7.583                             | 13.842              | 86.404      | 85.638                    | 0.183               | 116                 |
| 12/17/2017 上午 05:00:00 | -8.666                             | 13.694              | 87.533      | 134.477                   | 1.277               | 116.1               |
| 12/17/2017 上午 06:00:00 | -7.447                             | 13.79               | 84.726      | 46.397                    | 0.912               | 116.1               |
| 12/17/2017 上午 07:00:00 | -1.083                             | 13.913              | 82.704      | 218.672                   | 0.467               | 116.2               |



|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/17/2017 上午 08:00:00 | 5.145                              | 13.93               | 84.453      | 88.34                     | 1.376               | 116.2               |
| 12/17/2017 上午 09:00:00 | 20.582                             | 13.985              | 90.167      | 179.268                   | 0.529               | 116.3               |
| 12/17/2017 上午 10:00:00 | 40.893                             | 14.27               | 89.421      | 87.292                    | 0.188               | 116.4               |
| 12/17/2017 上午 11:00:00 | 53.35                              | 14.37               | 90.35       | 118.127                   | 0.918               | 116.5               |
| 12/17/2017 下午 12:00:00 | 110.898                            | 15.01               | 88.687      | 243.825                   | 0.191               | 117                 |
| 12/17/2017 下午 01:00:00 | 29.112                             | 14.817              | 90.547      | 299.639                   | 0.196               | 117.2               |
| 12/17/2017 下午 02:00:00 | 48.069                             | 15.034              | 88.854      | 114.197                   | 2.032               | 117.3               |
| 12/17/2017 下午 03:00:00 | 27.081                             | 15.069              | 88.254      | 346.354                   | 1.2                 | 117.3               |
| 12/17/2017 下午 04:00:00 | 6.499                              | 14.897              | 88.035      | 65.701                    | 0.744               | 117.4               |
| 12/17/2017 下午 05:00:00 | -4.468                             | 14.662              | 91.713      | 95.021                    | 0.184               | 117.7               |
| 12/17/2017 下午 06:00:00 | -4.468                             | 14.843              | 88.512      | 82.963                    | 0.921               | 117.7               |
| 12/17/2017 下午 07:00:00 | -3.791                             | 15.076              | 86.638      | 56.331                    | 0.688               | 117.7               |
| 12/17/2017 下午 08:00:00 | -4.062                             | 15.066              | 87.049      | 295.382                   | 0.191               | 117.7               |
| 12/17/2017 下午 09:00:00 | -6.77                              | 15.245              | 84.666      | 36.795                    | 0.268               | 117.7               |
| 12/17/2017 下午 10:00:00 | -5.145                             | 15.465              | 81.363      | 134.56                    | 0.766               | 117.7               |
| 12/17/2017 下午 11:00:00 | -3.385                             | 15.462              | 82.934      | 29.459                    | 0.182               | 117.7               |
| 12/18/2017 上午 12:00:00 | -4.333                             | 15.591              | 82.419      | 168.263                   | 0.189               | 117.8               |
| 12/18/2017 上午 01:00:00 | -5.552                             | 15.703              | 80.62       | 20.926                    | 0.546               | 117.8               |
| 12/18/2017 上午 02:00:00 | -3.791                             | 15.814              | 80.601      | 126.498                   | 0.187               | 117.8               |
| 12/18/2017 上午 03:00:00 | -6.635                             | 15.62               | 84.079      | 79.837                    | 0.187               | 117.8               |
| 12/18/2017 上午 04:00:00 | -6.229                             | 15.592              | 88.226      | 120.532                   | 0.991               | 117.8               |
| 12/18/2017 上午 05:00:00 | -6.499                             | 15.326              | 91.647      | 143.123                   | 0.652               | 117.8               |
| 12/18/2017 上午 06:00:00 | -3.521                             | 15.171              | 94.387      | 177.104                   | 0.192               | 117.9               |
| 12/18/2017 上午 07:00:00 | -0.948                             | 15.207              | 97.184      | 41.74                     | 0.183               | 120                 |
| 12/18/2017 上午 08:00:00 | 12.187                             | 15.403              | 97.041      | 141.831                   | 0.187               | 121.6               |
| 12/18/2017 上午 09:00:00 | 68.651                             | 15.895              | 94.283      | 43.286                    | 0.182               | 121.9               |
| 12/18/2017 上午 10:00:00 | 50.642                             | 16.268              | 91.707      | 24.311                    | 0.186               | 122                 |
| 12/18/2017 上午 11:00:00 | 27.217                             | 16.317              | 91.507      | 20.498                    | 0.424               | 122                 |
| 12/18/2017 下午 12:00:00 | 93.701                             | 16.504              | 89.491      | 107.854                   | 1.679               | 122.1               |
| 12/18/2017 下午 01:00:00 | 160.185                            | 16.765              | 88.12       | 175.298                   | 1.092               | 122.1               |
| 12/18/2017 下午 02:00:00 | -9.749                             | 16.454              | 90.727      | 90.684                    | 0.185               | 0                   |
| 12/18/2017 下午 03:00:00 | -8.531                             | 16.168              | 90.922      | 112.997                   | 0.834               | 0.1                 |
| 12/18/2017 下午 04:00:00 | -6.635                             | 16.289              | 89.896      | 129.612                   | 0.52                | 0.2                 |
| 12/18/2017 下午 05:00:00 | -7.989                             | 16.319              | 89.756      | 185.993                   | 0.553               | 0.2                 |
| 12/18/2017 下午 06:00:00 | -6.77                              | 16.195              | 91.726      | 134.64                    | 0.753               | 0.2                 |
| 12/18/2017 下午 07:00:00 | -7.312                             | 16.204              | 93.054      | 225.783                   | 0.19                | 0.3                 |
| 12/18/2017 下午 08:00:00 | -7.447                             | 16.193              | 92.35       | 127.639                   | 0.869               | 0.4                 |
| 12/18/2017 下午 09:00:00 | -6.635                             | 16.158              | 92.869      | 109.256                   | 0.188               | 0.5                 |
| 12/18/2017 下午 10:00:00 | -7.177                             | 16.091              | 93.414      | 141.435                   | 0.185               | 0.7                 |
| 12/18/2017 下午 11:00:00 | -5.687                             | 16.005              | 92.973      | 184.774                   | 0.331               | 1                   |
| 12/19/2017 上午 12:00:00 | -6.499                             | 16.027              | 91.214      | 143.633                   | 1.537               | 1.2                 |
| 12/19/2017 上午 01:00:00 | -5.552                             | 15.835              | 93.838      | 256.163                   | 0.19                | 1.6                 |
| 12/19/2017 上午 02:00:00 | -6.77                              | 15.64               | 92.308      | 125.795                   | 0.662               | 3.2                 |
| 12/19/2017 上午 03:00:00 | -5.958                             | 15.519              | 91.927      | 76.021                    | 0.818               | 4.2                 |
| 12/19/2017 上午 04:00:00 | -2.844                             | 15.442              | 93.988      | 175.158                   | 0.987               | 5.6                 |
| 12/19/2017 上午 05:00:00 | 7.989                              | 15.081              | 90.634      | 75.315                    | 0.182               | 6.5                 |
| 12/19/2017 上午 06:00:00 | 38.32                              | 14.801              | 89.308      | 136.388                   | 0.924               | 7                   |
| 12/19/2017 上午 07:00:00 | 46.444                             | 15.04               | 91.1        | 93.949                    | 0.184               | 7.7                 |
| 12/19/2017 上午 08:00:00 | 71.63                              | 15.469              | 90.221      | 181.242                   | 0.734               | 8.3                 |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/19/2017 上午 09:00:00 | 19.092                             | 15.625              | 89.633      | 108.209                   | 0.513               | 8.3                 |
| 12/19/2017 上午 10:00:00 | 24.238                             | 15.888              | 90.756      | 77.901                    | 0.183               | 8.5                 |
| 12/19/2017 上午 11:00:00 | 20.176                             | 15.871              | 90.537      | 91.619                    | 0.768               | 8.5                 |
| 12/19/2017 下午 12:00:00 | 11.239                             | 15.746              | 93.934      | 137.294                   | 0.762               | 9.1                 |
| 12/19/2017 下午 01:00:00 | 6.635                              | 15.98               | 92.669      | 230.097                   | 0.216               | 9.3                 |
| 12/19/2017 下午 02:00:00 | -5.552                             | 15.972              | 93.717      | 92.406                    | 1.883               | 9.6                 |
| 12/19/2017 下午 03:00:00 | -6.229                             | 16.184              | 91.543      | 106.352                   | 0.186               | 10                  |
| 12/19/2017 下午 04:00:00 | -7.718                             | 16.123              | 89.45       | 215.908                   | 0.191               | 10.2                |
| 12/19/2017 下午 05:00:00 | -3.521                             | 16.048              | 86.695      | 356.481                   | 1.903               | 10.2                |
| 12/19/2017 下午 06:00:00 | -7.312                             | 15.786              | 89.39       | 93.195                    | 0.599               | 10.6                |
| 12/19/2017 下午 07:00:00 | -5.958                             | 15.779              | 89.931      | 83.376                    | 0.285               | 10.7                |
| 12/19/2017 下午 08:00:00 | -4.604                             | 16.027              | 87.494      | 319.084                   | 0.193               | 10.7                |
| 12/19/2017 下午 09:00:00 | -3.656                             | 16.357              | 82.54       | 237.016                   | 0.528               | 10.7                |
| 12/19/2017 下午 10:00:00 | -2.708                             | 16.434              | 88.201      | 132.522                   | 1.087               | 10.7                |
| 12/19/2017 下午 11:00:00 | -4.739                             | 16.108              | 90.28       | 129.265                   | 0.187               | 10.7                |
| 12/20/2017 上午 12:00:00 | -5.822                             | 16.12               | 86.872      | 43.163                    | 0.18                | 10.7                |
| 12/20/2017 上午 01:00:00 | -3.25                              | 16.074              | 87.879      | 341.708                   | 0.194               | 10.7                |
| 12/20/2017 上午 02:00:00 | -3.656                             | 16.135              | 86.512      | 72.808                    | 0.186               | 10.7                |
| 12/20/2017 上午 03:00:00 | -6.77                              | 16.344              | 81.84       | 157.976                   | 0.19                | 10.7                |
| 12/20/2017 上午 04:00:00 | 20.717                             | 16.56               | 75.822      | 75.543                    | 0.518               | 10.7                |
| 12/20/2017 上午 05:00:00 | 162.487                            | 17.594              | 69.768      | 182.968                   | 0.533               | 10.7                |
| 12/20/2017 上午 06:00:00 | 217.327                            | 19.292              | 60.46       | 71.849                    | 0.188               | 10.7                |
| 12/20/2017 上午 07:00:00 | 177.111                            | 19.359              | 53.378      | 225.917                   | 1.153               | 10.7                |
| 12/20/2017 上午 08:00:00 | 699.372                            | 20.708              | 48.054      | 48.289                    | 0.88                | 10.7                |
| 12/20/2017 上午 09:00:00 | 558.279                            | 21.068              | 47.733      | 153.34                    | 0.383               | 10.7                |
| 12/20/2017 上午 10:00:00 | 273.791                            | 20.173              | 49.911      | 106.026                   | 0.968               | 10.7                |
| 12/20/2017 上午 11:00:00 | 246.845                            | 19.826              | 52.709      | 300.717                   | 0.948               | 10.7                |
| 12/20/2017 下午 12:00:00 | 100.065                            | 18.965              | 59.695      | 33.472                    | 0.187               | 10.7                |
| 12/20/2017 下午 01:00:00 | 65.401                             | 18.662              | 61.805      | 52.974                    | 0.185               | 10.7                |
| 12/20/2017 下午 02:00:00 | 4.468                              | 17.826              | 63.874      | 87.564                    | 0.185               | 10.7                |
| 12/20/2017 下午 03:00:00 | -7.312                             | 17.286              | 63.918      | 128.426                   | 1.101               | 10.7                |
| 12/20/2017 下午 04:00:00 | -7.718                             | 16.751              | 67.335      | 62.045                    | 0.572               | 10.7                |
| 12/20/2017 下午 05:00:00 | -7.312                             | 16.218              | 70.372      | 176.588                   | 0.862               | 10.7                |
| 12/20/2017 下午 06:00:00 | -7.312                             | 15.489              | 74.289      | 134.895                   | 0.969               | 10.7                |
| 12/20/2017 下午 07:00:00 | -6.906                             | 15.138              | 73.09       | 178.267                   | 0.819               | 10.7                |
| 12/20/2017 下午 08:00:00 | -6.229                             | 15.032              | 72.89       | 57.307                    | 0.185               | 10.7                |
| 12/20/2017 下午 09:00:00 | -6.635                             | 15.164              | 70.757      | 90.97                     | 0.185               | 10.7                |
| 12/20/2017 下午 10:00:00 | -6.635                             | 15.42               | 66.058      | 340.139                   | 0.252               | 10.7                |
| 12/20/2017 下午 11:00:00 | -6.906                             | 15.229              | 68.19       | 66.775                    | 0.588               | 10.7                |
| 12/21/2017 上午 12:00:00 | -5.958                             | 15.199              | 67.713      | 128.811                   | 1.021               | 10.7                |
| 12/21/2017 上午 01:00:00 | -6.77                              | 15.787              | 62.399      | 53.703                    | 0.849               | 10.7                |
| 12/21/2017 上午 02:00:00 | -6.499                             | 15.413              | 66.241      | 78.002                    | 0.357               | 10.7                |
| 12/21/2017 上午 03:00:00 | -5.01                              | 15.904              | 63.706      | 114.36                    | 1.346               | 10.7                |
| 12/21/2017 上午 04:00:00 | 16.655                             | 16.057              | 58.192      | 251.221                   | 0.189               | 10.7                |
| 12/21/2017 上午 05:00:00 | 85.712                             | 16.604              | 57.024      | 5.529                     | 0.934               | 10.7                |
| 12/21/2017 上午 06:00:00 | 185.506                            | 16.965              | 57.633      | 73.996                    | 1.564               | 10.7                |
| 12/21/2017 上午 07:00:00 | 347.181                            | 18.326              | 51.448      | 143.636                   | 1.535               | 10.7                |
| 12/21/2017 上午 08:00:00 | 313.736                            | 18.609              | 51.28       | 102.547                   | 1.497               | 10.7                |
| 12/21/2017 上午 09:00:00 | 302.633                            | 18.701              | 52.202      | 274.915                   | 0.928               | 10.7                |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/21/2017 上午 10:00:00 | 275.551                            | 19.061              | 49.707      | 226.75                    | 0.988               | 10.7                |
| 12/21/2017 上午 11:00:00 | 662.271                            | 19.557              | 51.321      | 196.009                   | 0.206               | 10.7                |
| 12/21/2017 下午 12:00:00 | 406.76                             | 20.415              | 50.946      | 101.345                   | 1.396               | 10.7                |
| 12/21/2017 下午 01:00:00 | 214.619                            | 19.358              | 54.565      | 105.392                   | 0.194               | 10.7                |
| 12/21/2017 下午 02:00:00 | 7.583                              | 18.477              | 61.065      | 322.161                   | 0.202               | 10.7                |
| 12/21/2017 下午 03:00:00 | -5.822                             | 18.22               | 62.788      | 356.306                   | 0.617               | 10.7                |
| 12/21/2017 下午 04:00:00 | -6.635                             | 18.304              | 58.241      | 105.16                    | 0.991               | 10.7                |
| 12/21/2017 下午 05:00:00 | -5.958                             | 18.443              | 56.229      | 48.292                    | 0.752               | 10.7                |
| 12/21/2017 下午 06:00:00 | -5.958                             | 18.488              | 62.03       | 21.911                    | 0.199               | 10.7                |
| 12/21/2017 下午 07:00:00 | -6.229                             | 18.382              | 62.745      | 5.781                     | 0.18                | 10.7                |
| 12/21/2017 下午 08:00:00 | -5.552                             | 18.349              | 61.083      | 258.253                   | 0.195               | 10.7                |
| 12/21/2017 下午 09:00:00 | -7.854                             | 18.477              | 62.536      | 170.594                   | 0.188               | 10.7                |
| 12/21/2017 下午 10:00:00 | -9.072                             | 18.429              | 66.282      | 23.468                    | 0.798               | 10.7                |
| 12/21/2017 下午 11:00:00 | -7.989                             | 18.228              | 68.794      | 186.303                   | 0.189               | 10.7                |
| 12/22/2017 上午 12:00:00 | -8.395                             | 18.475              | 62.685      | 139.813                   | 0.349               | 10.7                |
| 12/22/2017 上午 01:00:00 | -8.395                             | 18.408              | 66.387      | 81.719                    | 0.358               | 10.7                |
| 12/22/2017 上午 02:00:00 | -7.177                             | 18.144              | 68.727      | 297.951                   | 0.319               | 10.7                |
| 12/22/2017 上午 03:00:00 | -8.124                             | 18.032              | 67.857      | 261.521                   | 0.606               | 10.7                |
| 12/22/2017 上午 04:00:00 | -8.395                             | 18.045              | 67.854      | 23.378                    | 0.186               | 10.7                |
| 12/22/2017 上午 05:00:00 | -6.364                             | 17.86               | 69.366      | 159.954                   | 0.187               | 10.7                |
| 12/22/2017 上午 06:00:00 | -7.854                             | 17.307              | 73.101      | 90.822                    | 0.62                | 10.7                |
| 12/22/2017 上午 07:00:00 | 20.176                             | 17.639              | 73.33       | 124.19                    | 0.41                | 10.7                |
| 12/22/2017 上午 08:00:00 | 232.221                            | 20.446              | 63.576      | 47.191                    | 0.187               | 10.7                |
| 12/22/2017 上午 09:00:00 | 431.268                            | 22.499              | 57.325      | 27.366                    | 0.683               | 10.7                |
| 12/22/2017 上午 10:00:00 | 581.569                            | 23.408              | 54.152      | 113.045                   | 0.642               | 10.7                |
| 12/22/2017 上午 11:00:00 | 676.353                            | 24.482              | 48.965      | 69.262                    | 0.921               | 10.7                |
| 12/22/2017 下午 12:00:00 | 689.894                            | 24.957              | 46.785      | 42.266                    | 0.835               | 10.7                |
| 12/22/2017 下午 01:00:00 | 643.72                             | 25.173              | 47.07       | 263.832                   | 0.521               | 10.7                |
| 12/22/2017 下午 02:00:00 | 529.438                            | 25.305              | 47.428      | 130.502                   | 2.509               | 10.7                |
| 12/22/2017 下午 03:00:00 | 369.117                            | 24.453              | 51.412      | 344.531                   | 0.721               | 10.7                |
| 12/22/2017 下午 04:00:00 | 173.997                            | 23.906              | 53.902      | 26.328                    | 0.188               | 10.7                |
| 12/22/2017 下午 05:00:00 | 5.281                              | 22.624              | 56.605      | 1.247                     | 0.193               | 10.7                |
| 12/22/2017 下午 06:00:00 | -7.312                             | 22.246              | 57.571      | 92.99                     | 1.464               | 10.7                |
| 12/22/2017 下午 07:00:00 | -7.718                             | 22.053              | 58.091      | 70.705                    | 0.673               | 10.7                |
| 12/22/2017 下午 08:00:00 | -7.583                             | 21.982              | 60.127      | 94.23                     | 0.779               | 10.7                |
| 12/22/2017 下午 09:00:00 | -6.906                             | 21.775              | 62.608      | 74.015                    | 1.005               | 10.7                |
| 12/22/2017 下午 10:00:00 | -8.937                             | 21.819              | 62.539      | 7.916                     | 0.398               | 10.7                |
| 12/22/2017 下午 11:00:00 | -7.447                             | 21.964              | 63.246      | 108.1                     | 0.496               | 10.7                |
| 12/23/2017 上午 12:00:00 | -6.77                              | 21.454              | 64.403      | 143.988                   | 0.627               | 10.7                |
| 12/23/2017 上午 01:00:00 | -6.635                             | 21.727              | 65.17       | 38.871                    | 0.187               | 10.7                |
| 12/23/2017 上午 02:00:00 | -5.822                             | 22.224              | 63.624      | 35.46                     | 0.191               | 10.7                |
| 12/23/2017 上午 03:00:00 | -6.635                             | 22.007              | 64.798      | 99.063                    | 0.184               | 10.7                |
| 12/23/2017 上午 04:00:00 | -6.229                             | 21.405              | 64.471      | 28.135                    | 0.189               | 10.7                |
| 12/23/2017 上午 05:00:00 | -7.718                             | 21.44               | 63.161      | 270.032                   | 0.193               | 10.7                |
| 12/23/2017 上午 06:00:00 | -5.958                             | 19.862              | 73.093      | 178.967                   | 0.189               | 10.7                |
| 12/23/2017 上午 07:00:00 | 17.738                             | 19.084              | 74.188      | 283.49                    | 1.09                | 10.7                |
| 12/23/2017 上午 08:00:00 | 225.857                            | 23.289              | 63.598      | 132.423                   | 0.193               | 10.7                |
| 12/23/2017 上午 09:00:00 | 420.842                            | 25.45               | 55.416      | 198.213                   | 0.194               | 10.7                |
| 12/23/2017 上午 10:00:00 | 570.059                            | 27.052              | 51.117      | 137.065                   | 1.61                | 10.7                |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/23/2017 上午 11:00:00 | 662.813                            | 27.859              | 43.848      | 124.214                   | 0.603               | 10.7                |
| 12/23/2017 下午 12:00:00 | 689.352                            | 27.913              | 42.889      | 89.411                    | 0.432               | 10.7                |
| 12/23/2017 下午 01:00:00 | 639.794                            | 27.886              | 45.542      | 203.655                   | 0.536               | 10.7                |
| 12/23/2017 下午 02:00:00 | 529.167                            | 28.105              | 49.428      | 118.264                   | 0.628               | 10.7                |
| 12/23/2017 下午 03:00:00 | 353.139                            | 27.542              | 51.497      | 102.85                    | 0.693               | 10.7                |
| 12/23/2017 下午 04:00:00 | 145.426                            | 25.865              | 56.526      | 149.869                   | 1.257               | 10.7                |
| 12/23/2017 下午 05:00:00 | 2.979                              | 24.911              | 60.61       | 133.161                   | 1.346               | 10.7                |
| 12/23/2017 下午 06:00:00 | -8.26                              | 24.248              | 63.502      | 77.254                    | 0.206               | 10.7                |
| 12/23/2017 下午 07:00:00 | -8.395                             | 23.028              | 68.811      | 124.504                   | 0.192               | 10.7                |
| 12/23/2017 下午 08:00:00 | -8.124                             | 21.989              | 73.151      | 259.741                   | 1.349               | 10.7                |
| 12/23/2017 下午 09:00:00 | -9.343                             | 21.252              | 76.476      | 213.852                   | 0.196               | 10.7                |
| 12/23/2017 下午 10:00:00 | -8.801                             | 20.492              | 80.299      | 75.643                    | 0.709               | 10.7                |
| 12/23/2017 下午 11:00:00 | -8.124                             | 19.576              | 85.489      | 321.409                   | 0.588               | 10.7                |
| 12/24/2017 上午 12:00:00 | -8.937                             | 19.577              | 84.347      | 203.007                   | 0.455               | 10.7                |
| 12/24/2017 上午 01:00:00 | -7.989                             | 18.866              | 87.399      | 243.262                   | 0.643               | 10.7                |
| 12/24/2017 上午 02:00:00 | -8.26                              | 18.595              | 87.882      | 106.257                   | 0.191               | 10.7                |
| 12/24/2017 上午 03:00:00 | -6.906                             | 17.988              | 90.477      | 265.594                   | 0.737               | 10.7                |
| 12/24/2017 上午 04:00:00 | -8.124                             | 18.128              | 90.478      | 267.839                   | 0.363               | 10.7                |
| 12/24/2017 上午 05:00:00 | -8.937                             | 18.088              | 87.521      | 334.717                   | 0.2                 | 10.7                |
| 12/24/2017 上午 06:00:00 | -5.416                             | 18.034              | 92.197      | 341.77                    | 0.811               | 10.7                |
| 12/24/2017 上午 07:00:00 | 3.521                              | 18.886              | 90.939      | 111.404                   | 0.189               | 10.7                |
| 12/24/2017 上午 08:00:00 | 101.284                            | 19.693              | 85.846      | 14.873                    | 0.184               | 10.7                |
| 12/24/2017 上午 09:00:00 | 138.25                             | 21.536              | 75.403      | 286.288                   | 0.612               | 10.7                |
| 12/24/2017 上午 10:00:00 | 179.548                            | 21.774              | 72.088      | 81.341                    | 0.791               | 10.7                |
| 12/24/2017 上午 11:00:00 | 142.989                            | 22.605              | 71.122      | 46.158                    | 0.588               | 10.7                |
| 12/24/2017 下午 12:00:00 | 217.056                            | 24.396              | 65.146      | 214.452                   | 0.198               | 10.7                |
| 12/24/2017 下午 01:00:00 | 673.916                            | 25.25               | 61.138      | 126.329                   | 0.776               | 10.7                |
| 12/24/2017 下午 02:00:00 | 514.543                            | 26.212              | 53.606      | 331.831                   | 0.857               | 10.7                |
| 12/24/2017 下午 03:00:00 | 436.278                            | 25.18               | 58.062      | 24.191                    | 0.514               | 10.7                |
| 12/24/2017 下午 04:00:00 | 70.682                             | 22.6                | 70.167      | 165.816                   | 0.195               | 10.7                |
| 12/24/2017 下午 05:00:00 | 9.208                              | 21.487              | 65.152      | 86.887                    | 0.189               | 10.7                |
| 12/24/2017 下午 06:00:00 | -5.687                             | 21.232              | 65.498      | 30.196                    | 1.18                | 10.7                |
| 12/24/2017 下午 07:00:00 | -6.499                             | 21.109              | 64.526      | 173.964                   | 1.443               | 10.7                |
| 12/24/2017 下午 08:00:00 | -5.822                             | 20.719              | 65.189      | 56.545                    | 0.19                | 10.7                |
| 12/24/2017 下午 09:00:00 | -4.739                             | 20.558              | 63.697      | 264.874                   | 0.195               | 10.7                |
| 12/24/2017 下午 10:00:00 | -5.958                             | 20.315              | 62.591      | 54.772                    | 0.191               | 10.7                |
| 12/24/2017 下午 11:00:00 | -5.822                             | 19.942              | 60.443      | 129.274                   | 1                   | 10.7                |
| 12/25/2017 上午 12:00:00 | -6.635                             | 19.641              | 58.623      | 139.192                   | 0.867               | 10.7                |
| 12/25/2017 上午 01:00:00 | -4.604                             | 19.307              | 56.55       | 157.67                    | 2.636               | 10.7                |
| 12/25/2017 上午 02:00:00 | -4.198                             | 19.047              | 55.06       | 109.952                   | 0.827               | 10.7                |
| 12/25/2017 上午 03:00:00 | -4.198                             | 18.675              | 55.362      | 121.202                   | 0.324               | 10.7                |
| 12/25/2017 上午 04:00:00 | -4.875                             | 18.266              | 53.789      | 149.9                     | 0.195               | 10.7                |
| 12/25/2017 上午 05:00:00 | -5.281                             | 17.858              | 50.632      | 158.62                    | 0.625               | 10.7                |
| 12/25/2017 上午 06:00:00 | -5.552                             | 17.609              | 51.555      | 217.005                   | 0.24                | 10.7                |
| 12/25/2017 上午 07:00:00 | 8.395                              | 17.698              | 53.717      | 75.822                    | 0.19                | 10.7                |
| 12/25/2017 上午 08:00:00 | 41.028                             | 17.679              | 54.372      | 125.309                   | 0.187               | 10.7                |
| 12/25/2017 上午 09:00:00 | 98.576                             | 17.912              | 54.432      | 79.482                    | 0.498               | 10.7                |
| 12/25/2017 上午 10:00:00 | 274.603                            | 18.283              | 54.776      | 64.747                    | 0.196               | 10.7                |
| 12/25/2017 上午 11:00:00 | 247.928                            | 18.443              | 56.224      | 170.119                   | 1.001               | 10.7                |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/25/2017 下午 12:00:00 | 211.64                             | 18.143              | 57.531      | 61.778                    | 0.736               | 10.7                |
| 12/25/2017 下午 01:00:00 | 191.058                            | 18.438              | 55.197      | 159.091                   | 1.266               | 10.7                |
| 12/25/2017 下午 02:00:00 | 529.438                            | 19.382              | 52.385      | 58.811                    | 4.011               | 10.7                |
| 12/25/2017 下午 03:00:00 | 328.36                             | 19.502              | 53.249      | 135.145                   | 2.068               | 10.7                |
| 12/25/2017 下午 04:00:00 | 117.262                            | 19.31               | 56.729      | 179.339                   | 0.194               | 10.7                |
| 12/25/2017 下午 05:00:00 | 15.03                              | 18.72               | 60.066      | 59.559                    | 1.091               | 10.7                |
| 12/25/2017 下午 06:00:00 | -7.718                             | 18.356              | 62.82       | 255.913                   | 0.249               | 10.7                |
| 12/25/2017 下午 07:00:00 | -5.281                             | 18.324              | 64.606      | 141.542                   | 1.322               | 10.7                |
| 12/25/2017 下午 08:00:00 | -5.01                              | 18.611              | 65.64       | 148.708                   | 1.229               | 10.7                |
| 12/25/2017 下午 09:00:00 | -4.875                             | 19.083              | 61.231      | 53.211                    | 0.939               | 10.7                |
| 12/25/2017 下午 10:00:00 | -6.364                             | 18.984              | 63.081      | 116.711                   | 1.154               | 10.7                |
| 12/25/2017 下午 11:00:00 | -7.177                             | 18.899              | 62.637      | 81.258                    | 1.249               | 10.7                |
| 12/26/2017 上午 12:00:00 | -7.312                             | 18.811              | 63.784      | 37.451                    | 0.187               | 10.7                |
| 12/26/2017 上午 01:00:00 | -6.499                             | 18.787              | 65.677      | 288.504                   | 0.197               | 10.7                |
| 12/26/2017 上午 02:00:00 | -6.906                             | 18.759              | 66.48       | 125.178                   | 0.564               | 10.7                |
| 12/26/2017 上午 03:00:00 | -4.333                             | 19.224              | 66.38       | 301.334                   | 0.195               | 10.7                |
| 12/26/2017 上午 04:00:00 | -4.198                             | 19.32               | 66.368      | 124.96                    | 1.769               | 10.7                |
| 12/26/2017 上午 05:00:00 | -4.875                             | 19.337              | 66.334      | 111.151                   | 0.959               | 10.7                |
| 12/26/2017 上午 06:00:00 | -4.468                             | 19.465              | 67.19       | 178.422                   | 0.658               | 10.7                |
| 12/26/2017 上午 07:00:00 | 0.812                              | 19.374              | 68.772      | 98.011                    | 0.508               | 10.7                |
| 12/26/2017 上午 08:00:00 | 37.372                             | 19.168              | 70.154      | 156.805                   | 2.227               | 10.7                |
| 12/26/2017 上午 09:00:00 | 109.273                            | 19.59               | 69.602      | 302.507                   | 0.198               | 10.7                |
| 12/26/2017 上午 10:00:00 | 205.817                            | 20.173              | 67.973      | 160.687                   | 0.804               | 10.7                |
| 12/26/2017 上午 11:00:00 | 241.564                            | 20.606              | 67.715      | 115.731                   | 0.847               | 10.7                |
| 12/26/2017 下午 12:00:00 | 910.199                            | 21.731              | 63.755      | 129.052                   | 0.835               | 10.7                |
| 12/26/2017 下午 01:00:00 | 268.916                            | 21.798              | 62.229      | 114.232                   | 1.17                | 10.7                |
| 12/26/2017 下午 02:00:00 | 235.877                            | 21.285              | 61.902      | 263.766                   | 0.336               | 10.7                |
| 12/26/2017 下午 03:00:00 | 162.352                            | 21.2                | 63.593      | 166.826                   | 0.5                 | 10.7                |
| 12/26/2017 下午 04:00:00 | 58.36                              | 20.534              | 65.291      | 167.007                   | 0.961               | 10.7                |
| 12/26/2017 下午 05:00:00 | 2.573                              | 19.908              | 68.598      | 319.544                   | 0.199               | 10.7                |
| 12/26/2017 下午 06:00:00 | -6.364                             | 19.626              | 70.221      | 271.845                   | 0.357               | 10.7                |
| 12/26/2017 下午 07:00:00 | -6.364                             | 19.804              | 68.637      | 161.005                   | 1.233               | 10.7                |
| 12/26/2017 下午 08:00:00 | -5.822                             | 19.792              | 67.491      | 86.484                    | 0.718               | 10.7                |
| 12/26/2017 下午 09:00:00 | -5.416                             | 19.446              | 68.73       | 316.959                   | 0.2                 | 10.7                |
| 12/26/2017 下午 10:00:00 | -8.124                             | 19.13               | 69.763      | 127.781                   | 2.25                | 10.7                |
| 12/26/2017 下午 11:00:00 | -6.77                              | 18.869              | 70.284      | 81.276                    | 0.657               | 10.7                |
| 12/27/2017 上午 12:00:00 | -5.416                             | 18.981              | 69.832      | 169.711                   | 1.573               | 10.7                |
| 12/27/2017 上午 01:00:00 | -6.499                             | 19.148              | 66.883      | 156.05                    | 0.574               | 10.7                |
| 12/27/2017 上午 02:00:00 | -5.687                             | 19.27               | 65.555      | 87.599                    | 0.892               | 10.7                |
| 12/27/2017 上午 03:00:00 | -5.822                             | 18.993              | 67.063      | 86.363                    | 0.827               | 10.7                |
| 12/27/2017 上午 04:00:00 | -6.364                             | 18.913              | 70.627      | 157.093                   | 2.809               | 10.7                |
| 12/27/2017 上午 05:00:00 | -6.635                             | 18.588              | 69.418      | 148.244                   | 1.007               | 10.7                |
| 12/27/2017 上午 06:00:00 | -6.499                             | 18.48               | 71.812      | 107.339                   | 2.17                | 10.7                |
| 12/27/2017 上午 07:00:00 | 13.947                             | 18.423              | 72.434      | 135.913                   | 1.09                | 10.7                |
| 12/27/2017 上午 08:00:00 | 67.838                             | 19.032              | 68.732      | 0.822                     | 0.643               | 10.7                |
| 12/27/2017 上午 09:00:00 | 52.402                             | 19.639              | 67.115      | 169.9                     | 2.243               | 10.7                |
| 12/27/2017 上午 10:00:00 | 153.55                             | 19.636              | 68.193      | 95.935                    | 0.874               | 10.7                |
| 12/27/2017 上午 11:00:00 | 245.356                            | 20.35               | 65.358      | 24.093                    | 0.188               | 10.7                |
| 12/27/2017 下午 12:00:00 | 145.291                            | 20.34               | 65.096      | 227.962                   | 0.926               | 10.7                |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/27/2017 下午 01:00:00 | 258.084                            | 22.008              | 59.954      | 163.785                   | 1.447               | 10.7                |
| 12/27/2017 下午 02:00:00 | 532.146                            | 23.15               | 57.184      | 114.203                   | 1.834               | 10.7                |
| 12/27/2017 下午 03:00:00 | 240.617                            | 22.428              | 58.196      | 110.661                   | 0.382               | 10.7                |
| 12/27/2017 下午 04:00:00 | 149.624                            | 21.888              | 60.494      | 93.007                    | 0.197               | 10.7                |
| 12/27/2017 下午 05:00:00 | 3.791                              | 21.248              | 64.035      | 92.378                    | 0.189               | 10.7                |
| 12/27/2017 下午 06:00:00 | -9.614                             | 20.621              | 67.07       | 19.531                    | 0.752               | 10.7                |
| 12/27/2017 下午 07:00:00 | -6.77                              | 20.318              | 69.282      | 82.74                     | 0.184               | 10.7                |
| 12/27/2017 下午 08:00:00 | -7.312                             | 20.405              | 67.602      | 172.797                   | 0.191               | 10.7                |
| 12/27/2017 下午 09:00:00 | -7.989                             | 20.527              | 68.78       | 64.097                    | 0.566               | 10.7                |
| 12/27/2017 下午 10:00:00 | -5.552                             | 20.678              | 69.361      | 125.474                   | 1                   | 10.7                |
| 12/27/2017 下午 11:00:00 | -4.604                             | 20.567              | 71.053      | 26.699                    | 0.188               | 10.7                |
| 12/28/2017 上午 12:00:00 | -7.718                             | 20.978              | 67.07       | 167.422                   | 0.65                | 10.7                |
| 12/28/2017 上午 01:00:00 | -8.124                             | 20.901              | 66.342      | 99.46                     | 0.652               | 10.7                |
| 12/28/2017 上午 02:00:00 | -7.989                             | 20.64               | 68.319      | 141.821                   | 1.77                | 10.7                |
| 12/28/2017 上午 03:00:00 | -6.499                             | 20.774              | 67.631      | 88.776                    | 0.692               | 10.7                |
| 12/28/2017 上午 04:00:00 | -9.072                             | 20.757              | 68.635      | 128.159                   | 1.072               | 10.7                |
| 12/28/2017 上午 05:00:00 | -7.989                             | 20.641              | 67.168      | 32.198                    | 0.691               | 10.7                |
| 12/28/2017 上午 06:00:00 | -7.854                             | 20.179              | 70.003      | 31.206                    | 1.002               | 10.7                |
| 12/28/2017 上午 07:00:00 | 16.79                              | 20.808              | 69.888      | 100.72                    | 0.191               | 10.7                |
| 12/28/2017 上午 08:00:00 | 79.483                             | 22.515              | 64.618      | 154.366                   | 0.431               | 10.7                |
| 12/28/2017 上午 09:00:00 | 416.374                            | 24.164              | 60.852      | 319.293                   | 0.199               | 10.7                |
| 12/28/2017 上午 10:00:00 | 374.533                            | 23.919              | 59.073      | 158.459                   | 1.694               | 10.7                |
| 12/28/2017 上午 11:00:00 | 727.807                            | 24.239              | 59.481      | 50.473                    | 1.994               | 10.7                |
| 12/28/2017 下午 12:00:00 | 845.34                             | 25.568              | 55.468      | 163.58                    | 1.085               | 10.7                |
| 12/28/2017 下午 01:00:00 | 389.157                            | 25.271              | 54.42       | 173.066                   | 0.235               | 10.7                |
| 12/28/2017 下午 02:00:00 | 372.367                            | 24.659              | 57.612      | 86.977                    | 1.299               | 10.7                |
| 12/28/2017 下午 03:00:00 | 96.003                             | 24.108              | 60.161      | 223.245                   | 1.631               | 10.7                |
| 12/28/2017 下午 04:00:00 | 68.38                              | 23.863              | 61.868      | 138.964                   | 0.195               | 10.7                |
| 12/28/2017 下午 05:00:00 | -2.844                             | 23.652              | 62.653      | 136.979                   | 0.189               | 10.7                |
| 12/28/2017 下午 06:00:00 | -6.093                             | 23.194              | 64.765      | 78.183                    | 0.192               | 10.7                |
| 12/28/2017 下午 07:00:00 | -6.229                             | 22.936              | 67.016      | 93.048                    | 0.192               | 10.7                |
| 12/28/2017 下午 08:00:00 | -6.364                             | 22.54               | 71.564      | 111.898                   | 0.189               | 10.7                |
| 12/28/2017 下午 09:00:00 | -6.093                             | 22.262              | 75.162      | 105.789                   | 0.599               | 10.7                |
| 12/28/2017 下午 10:00:00 | -5.416                             | 21.85               | 77.494      | 187.638                   | 0.194               | 10.7                |
| 12/28/2017 下午 11:00:00 | -3.656                             | 21.495              | 80.693      | 80.894                    | 0.624               | 10.7                |
| 12/29/2017 上午 12:00:00 | -5.687                             | 20.401              | 91.721      | 75.137                    | 1.065               | 10.9                |
| 12/29/2017 上午 01:00:00 | -4.198                             | 20.434              | 88.825      | 173.494                   | 0.192               | 10.9                |
| 12/29/2017 上午 02:00:00 | -6.364                             | 20.379              | 91.237      | 264.024                   | 0.196               | 10.9                |
| 12/29/2017 上午 03:00:00 | -6.364                             | 19.898              | 93.088      | 109.622                   | 0.188               | 10.9                |
| 12/29/2017 上午 04:00:00 | -3.791                             | 20.061              | 89.853      | 152.586                   | 0.19                | 10.9                |
| 12/29/2017 上午 05:00:00 | -5.281                             | 19.786              | 90.534      | 174.387                   | 0.193               | 10.9                |
| 12/29/2017 上午 06:00:00 | -3.791                             | 19.788              | 90.977      | 238.07                    | 0.196               | 10.9                |
| 12/29/2017 上午 07:00:00 | 2.031                              | 19.811              | 91.601      | 207.782                   | 0.195               | 10.9                |
| 12/29/2017 上午 08:00:00 | 84.493                             | 20.415              | 89.991      | 49.801                    | 0.189               | 10.9                |
| 12/29/2017 上午 09:00:00 | 106.429                            | 21.027              | 86.892      | 231.431                   | 0.197               | 10.9                |
| 12/29/2017 上午 10:00:00 | 149.353                            | 23.053              | 76.05       | 208.149                   | 0.196               | 10.9                |
| 12/29/2017 上午 11:00:00 | 770.46                             | 24.454              | 67.893      | 230.597                   | 1.066               | 10.9                |
| 12/29/2017 下午 12:00:00 | 241.294                            | 24.865              | 63.806      | 155.258                   | 0.196               | 10.9                |
| 12/29/2017 下午 01:00:00 | 308.455                            | 25.617              | 61.842      | 153.244                   | 1.323               | 10.9                |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/29/2017 下午 02:00:00 | 145.291                            | 23.323              | 73.846      | 226.68                    | 0.197               | 10.9                |
| 12/29/2017 下午 03:00:00 | 189.027                            | 23.564              | 72.796      | 105.428                   | 1.539               | 10.9                |
| 12/29/2017 下午 04:00:00 | 109.544                            | 22.089              | 79.999      | 105.244                   | 1.591               | 10.9                |
| 12/29/2017 下午 05:00:00 | 14.624                             | 21.072              | 85.249      | 138.664                   | 0.719               | 10.9                |
| 12/29/2017 下午 06:00:00 | -5.145                             | 20.174              | 94.48       | 114.155                   | 0.758               | 11.6                |
| 12/29/2017 下午 07:00:00 | -6.229                             | 19.962              | 97.053      | 36.765                    | 0.605               | 15.2                |
| 12/29/2017 下午 08:00:00 | -5.281                             | 20.109              | 96.272      | 6.131                     | 0.181               | 17.1                |
| 12/29/2017 下午 09:00:00 | -6.093                             | 20.423              | 93.05       | 254.89                    | 0.196               | 17.2                |
| 12/29/2017 下午 10:00:00 | -4.198                             | 20.252              | 92.816      | 75.797                    | 0.187               | 17.2                |
| 12/29/2017 下午 11:00:00 | -3.521                             | 20.159              | 93.15       | 17.477                    | 0.716               | 17.7                |
| 12/30/2017 上午 12:00:00 | -6.635                             | 20.229              | 90.109      | 154.675                   | 0.76                | 17.8                |
| 12/30/2017 上午 01:00:00 | -4.062                             | 19.931              | 88.749      | 38.657                    | 0.191               | 17.8                |
| 12/30/2017 上午 02:00:00 | -4.739                             | 19.7                | 90.796      | 94.39                     | 0.191               | 17.8                |
| 12/30/2017 上午 03:00:00 | -4.198                             | 19.473              | 92.545      | 138.339                   | 0.329               | 17.9                |
| 12/30/2017 上午 04:00:00 | -3.385                             | 19.55               | 93.835      | 99.963                    | 0.19                | 18                  |
| 12/30/2017 上午 05:00:00 | -4.739                             | 19.437              | 95.121      | 251.841                   | 0.196               | 18.2                |
| 12/30/2017 上午 06:00:00 | -4.875                             | 19.357              | 95.001      | 88.011                    | 0.191               | 18.4                |
| 12/30/2017 上午 07:00:00 | 1.354                              | 19.079              | 96.228      | 10.578                    | 0.185               | 19.1                |
| 12/30/2017 上午 08:00:00 | 11.239                             | 19.064              | 95.283      | 118.91                    | 0.685               | 19.6                |
| 12/30/2017 上午 09:00:00 | 63.37                              | 19.408              | 92.768      | 268.881                   | 0.196               | 19.8                |
| 12/30/2017 上午 10:00:00 | 85.035                             | 19.294              | 90.955      | 98.612                    | 1.686               | 19.9                |
| 12/30/2017 上午 11:00:00 | 135.135                            | 20.061              | 88.542      | 286.703                   | 0.198               | 19.9                |
| 12/30/2017 下午 12:00:00 | 340.14                             | 20.654              | 85.026      | 177.005                   | 1.003               | 19.9                |
| 12/30/2017 下午 01:00:00 | 830.716                            | 22.342              | 77.993      | 44.343                    | 0.582               | 20                  |
| 12/30/2017 下午 02:00:00 | 326.464                            | 21.943              | 73.72       | 71.288                    | 1.068               | 20                  |
| 12/30/2017 下午 03:00:00 | 170.882                            | 20.991              | 81.266      | 39.703                    | 0.323               | 20                  |
| 12/30/2017 下午 04:00:00 | 41.976                             | 19.899              | 87.213      | 164.563                   | 0.994               | 20                  |
| 12/30/2017 下午 05:00:00 | -3.385                             | 19.739              | 86.646      | 11.213                    | 0.189               | 20                  |
| 12/30/2017 下午 06:00:00 | -3.385                             | 19.395              | 86.046      | 113.567                   | 0.61                | 20                  |
| 12/30/2017 下午 07:00:00 | -3.25                              | 19.572              | 83.045      | 104.848                   | 1.038               | 20                  |
| 12/30/2017 下午 08:00:00 | -6.499                             | 19.097              | 89.586      | 110.945                   | 1.268               | 20                  |
| 12/30/2017 下午 09:00:00 | -4.604                             | 19.048              | 93.53       | 132.004                   | 0.189               | 20                  |
| 12/30/2017 下午 10:00:00 | -5.416                             | 18.977              | 94.617      | 104.6                     | 0.188               | 20.4                |
| 12/30/2017 下午 11:00:00 | -4.875                             | 19.147              | 90.895      | 326.636                   | 0.193               | 20.4                |
| 12/31/2017 上午 12:00:00 | -4.468                             | 19.082              | 89.003      | 44.641                    | 0.185               | 20.4                |
| 12/31/2017 上午 01:00:00 | -3.656                             | 19.075              | 88.718      | 52.804                    | 0.186               | 20.5                |
| 12/31/2017 上午 02:00:00 | -5.01                              | 18.393              | 94.645      | 111.127                   | 1.071               | 20.5                |
| 12/31/2017 上午 03:00:00 | -2.437                             | 18.336              | 91.495      | 333.912                   | 0.196               | 20.6                |
| 12/31/2017 上午 04:00:00 | -2.979                             | 17.874              | 95.122      | 113.623                   | 0.191               | 20.9                |
| 12/31/2017 上午 05:00:00 | -4.333                             | 17.835              | 94.476      | 28.216                    | 0.185               | 21.2                |
| 12/31/2017 上午 06:00:00 | -2.437                             | 17.889              | 95.018      | 75.409                    | 0.188               | 22                  |
| 12/31/2017 上午 07:00:00 | -2.302                             | 17.721              | 93.008      | 358.334                   | 0.195               | 22.2                |
| 12/31/2017 上午 08:00:00 | 25.863                             | 17.53               | 88.6        | 112.154                   | 0.188               | 22.2                |
| 12/31/2017 上午 09:00:00 | 21.394                             | 17.297              | 90.551      | 56.149                    | 0.817               | 22.2                |
| 12/31/2017 上午 10:00:00 | 16.113                             | 16.938              | 89.466      | 110.66                    | 0.189               | 22.3                |
| 12/31/2017 上午 11:00:00 | 25.186                             | 16.715              | 85.608      | 154.372                   | 1.159               | 22.3                |
| 12/31/2017 下午 12:00:00 | 27.894                             | 16.347              | 87.816      | 64.439                    | 0.186               | 22.3                |
| 12/31/2017 下午 01:00:00 | 37.237                             | 16.112              | 89.587      | 102.716                   | 0.189               | 22.3                |
| 12/31/2017 下午 02:00:00 | 53.621                             | 16.147              | 89.847      | 116.486                   | 0.188               | 22.3                |

|                        | Pyranometer<br>[W/m <sup>2</sup> ] | Temperature<br>[°C] | RH<br>[%RH] | Wind Direction<br>[angle] | Wind Speed<br>[m/s] | Rain sensor<br>[mm] |
|------------------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 12/31/2017 下午 03:00:00 | 56.871                             | 15.97               | 89.521      | 317.146                   | 0.197               | 22.3                |
| 12/31/2017 下午 04:00:00 | 8.531                              | 16.022              | 87.811      | 326.172                   | 1.061               | 22.3                |
| 12/31/2017 下午 05:00:00 | -1.625                             | 16.106              | 84.787      | 90.106                    | 1.17                | 22.3                |
| 12/31/2017 下午 06:00:00 | -4.198                             | 16.439              | 79.395      | 202.973                   | 0.645               | 22.3                |
| 12/31/2017 下午 07:00:00 | -3.114                             | 16.426              | 77.745      | 152.927                   | 0.796               | 22.3                |
| 12/31/2017 下午 08:00:00 | -4.333                             | 16.517              | 75.934      | 131.352                   | 2.365               | 22.3                |
| 12/31/2017 下午 09:00:00 | -4.468                             | 16.638              | 76.255      | 206.702                   | 0.538               | 22.3                |
| 12/31/2017 下午 10:00:00 | -4.062                             | 16.789              | 75.61       | 136.572                   | 1.615               | 22.3                |
| 12/31/2017 下午 11:00:00 | -4.739                             | 16.76               | 76.473      | 90.339                    | 1.505               | 22.3                |
| 1/1/2018 上午 12:00:00   | -3.114                             | 16.776              | 75.993      | 74.479                    | 0.183               | 22.3                |