

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/01/2020 | 12:00:00 AM | -4.468                             | 32.335              | 62.489      | 93.682                    | 1.82                | 298.2               |
| 08/01/2020 | 1:00:00 AM  | -3.927                             | 31.968              | 64.916      | 165.972                   | 0.734               | 298.2               |
| 08/01/2020 | 2:00:00 AM  | -2.031                             | 31.951              | 63.651      | 355.591                   | 0.212               | 298.2               |
| 08/01/2020 | 3:00:00 AM  | -4.739                             | 31.765              | 63.53       | 166.957                   | 0.202               | 298.2               |
| 08/01/2020 | 4:00:00 AM  | -4.198                             | 31.47               | 64.684      | 162.948                   | 0.206               | 298.2               |
| 08/01/2020 | 5:00:00 AM  | -3.114                             | 31.17               | 65.94       | 91.113                    | 0.693               | 298.2               |
| 08/01/2020 | 6:00:00 AM  | 58.225                             | 31.43               | 65.117      | 138.026                   | 0.202               | 298.2               |
| 08/01/2020 | 7:00:00 AM  | 170.747                            | 33.151              | 58.42       | 118.842                   | 0.837               | 298.2               |
| 08/01/2020 | 8:00:00 AM  | 608.109                            | 34.338              | 56.091      | 49.733                    | 0.504               | 298.2               |
| 08/01/2020 | 9:00:00 AM  | 737.557                            | 34.816              | 53.529      | 98.642                    | 2.047               | 298.2               |
| 08/01/2020 | 10:00:00 AM | 891.107                            | 35.547              | 50.339      | 122.762                   | 3.172               | 298.2               |
| 08/01/2020 | 11:00:00 AM | 883.254                            | 36.277              | 49.047      | 353.067                   | 0.22                | 298.2               |
| 08/01/2020 | 12:00:00 PM | 1069.302                           | 36.201              | 49.376      | 352.494                   | 0.245               | 298.2               |
| 08/01/2020 | 1:00:00 PM  | 1010.4                             | 36.511              | 48.43       | 50.479                    | 1.078               | 298.2               |
| 08/01/2020 | 2:00:00 PM  | 902.481                            | 36.126              | 47.189      | 339                       | 1.252               | 298.2               |
| 08/01/2020 | 3:00:00 PM  | 182.527                            | 36.217              | 46.963      | 26.042                    | 1.483               | 298.2               |
| 08/01/2020 | 4:00:00 PM  | 510.21                             | 35.832              | 49.085      | 5.935                     | 0.772               | 298.2               |
| 08/01/2020 | 5:00:00 PM  | 55.246                             | 34.907              | 52.18       | 175.053                   | 2.054               | 298.2               |
| 08/01/2020 | 6:00:00 PM  | 19.905                             | 34.457              | 55.928      | 86.415                    | 1.169               | 298.2               |
| 08/01/2020 | 7:00:00 PM  | -4.604                             | 33.738              | 56.57       | 230.938                   | 0.262               | 298.2               |
| 08/01/2020 | 8:00:00 PM  | -3.385                             | 33.29               | 58.515      | 73.952                    | 0.215               | 298.2               |
| 08/01/2020 | 9:00:00 PM  | -2.708                             | 33.441              | 58.651      | 147.602                   | 0.202               | 298.2               |
| 08/01/2020 | 10:00:00 PM | -1.219                             | 32.262              | 64.119      | 258.231                   | 1.408               | 298.2               |
| 08/01/2020 | 11:00:00 PM | -2.708                             | 32.159              | 64.741      | 263.881                   | 0.646               | 298.2               |
| 08/02/2020 | 12:00:00 AM | -1.896                             | 31.636              | 68.432      | 189.63                    | 0.93                | 298.2               |
| 08/02/2020 | 1:00:00 AM  | -3.927                             | 31.096              | 70.042      | 272.06                    | 1.645               | 298.2               |
| 08/02/2020 | 2:00:00 AM  | -3.791                             | 30.681              | 72.13       | 234.54                    | 0.613               | 298.2               |
| 08/02/2020 | 3:00:00 AM  | -3.656                             | 30.187              | 74.36       | 135.217                   | 0.203               | 298.2               |
| 08/02/2020 | 4:00:00 AM  | -4.468                             | 29.724              | 77.164      | 128.528                   | 0.608               | 298.2               |
| 08/02/2020 | 5:00:00 AM  | -2.708                             | 29.629              | 76.85       | 338.518                   | 0.25                | 298.2               |
| 08/02/2020 | 6:00:00 AM  | 34.799                             | 29.525              | 77.855      | 138.661                   | 0.201               | 298.2               |
| 08/02/2020 | 7:00:00 AM  | 293.154                            | 31.5                | 69.546      | 118.302                   | 0.626               | 298.2               |
| 08/02/2020 | 8:00:00 AM  | 534.448                            | 34.353              | 59.578      | 147.844                   | 0.992               | 298.2               |
| 08/02/2020 | 9:00:00 AM  | 460.922                            | 34.435              | 57.19       | 174.719                   | 1.143               | 298.2               |
| 08/02/2020 | 10:00:00 AM | 916.157                            | 36.492              | 50.41       | 3.386                     | 0.191               | 298.2               |
| 08/02/2020 | 11:00:00 AM | 1031.523                           | 37.211              | 47.896      | 34.06                     | 0.526               | 298.2               |
| 08/02/2020 | 12:00:00 PM | 1097.06                            | 36.796              | 51.774      | 291.898                   | 0.215               | 298.2               |
| 08/02/2020 | 1:00:00 PM  | 421.925                            | 34.081              | 57.333      | 221.991                   | 1.106               | 298.2               |
| 08/02/2020 | 2:00:00 PM  | 588.204                            | 35.638              | 56.09       | 249.353                   | 0.212               | 298.2               |
| 08/02/2020 | 3:00:00 PM  | 312.788                            | 33.214              | 68.547      | 99.252                    | 0.592               | 298.2               |
| 08/02/2020 | 4:00:00 PM  | 392.407                            | 34.138              | 62.506      | 310.004                   | 0.209               | 298.2               |
| 08/02/2020 | 5:00:00 PM  | 97.763                             | 32.907              | 67.562      | 245.034                   | 0.537               | 298.2               |
| 08/02/2020 | 6:00:00 PM  | 37.507                             | 31.794              | 71.712      | 141.489                   | 0.576               | 298.2               |
| 08/02/2020 | 7:00:00 PM  | -4.062                             | 31.71               | 72.519      | 85.343                    | 0.621               | 298.2               |
| 08/02/2020 | 8:00:00 PM  | -4.062                             | 30.893              | 77.619      | 153.843                   | 0.204               | 298.2               |
| 08/02/2020 | 9:00:00 PM  | -4.198                             | 30.716              | 77.3        | 132.284                   | 0.237               | 298.2               |
| 08/02/2020 | 10:00:00 PM | -0.948                             | 30.475              | 77.137      | 189.077                   | 0.551               | 298.2               |
| 08/02/2020 | 11:00:00 PM | -2.979                             | 30.324              | 76.994      | 102.231                   | 0.206               | 298.2               |
| 08/03/2020 | 12:00:00 AM | -1.896                             | 29.485              | 84.748      | 99.88                     | 0.2                 | 298.4               |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/03/2020 | 1:00:00 AM  | -2.031                             | 29.227              | 81.772      | 237.586                   | 0.203               | 298.4               |
| 08/03/2020 | 2:00:00 AM  | -2.031                             | 29.031              | 82.275      | 234.649                   | 0.207               | 298.4               |
| 08/03/2020 | 3:00:00 AM  | -2.437                             | 28.7                | 81.651      | 113.063                   | 0.535               | 298.4               |
| 08/03/2020 | 4:00:00 AM  | -2.302                             | 28.393              | 82.615      | 291.991                   | 0.697               | 298.4               |
| 08/03/2020 | 5:00:00 AM  | -0.677                             | 28.55               | 82.896      | 139.923                   | 0.202               | 298.4               |
| 08/03/2020 | 6:00:00 AM  | 8.801                              | 29.473              | 80.988      | 23.272                    | 0.198               | 298.4               |
| 08/03/2020 | 7:00:00 AM  | 85.983                             | 28.867              | 87.859      | 99.773                    | 0.598               | 300.4               |
| 08/03/2020 | 8:00:00 AM  | 260.927                            | 29.478              | 85.324      | 252.023                   | 4.518               | 300.6               |
| 08/03/2020 | 9:00:00 AM  | 167.633                            | 28.697              | 89.044      | 250.78                    | 3.134               | 302.5               |
| 08/03/2020 | 10:00:00 AM | 98.44                              | 28.207              | 92.256      | 10.406                    | 0.195               | 310.6               |
| 08/03/2020 | 11:00:00 AM | 101.555                            | 28.051              | 93.755      | 309.128                   | 1.635               | 317.8               |
| 08/03/2020 | 12:00:00 PM | 24.915                             | 28.17               | 95.153      | 302.257                   | 0.204               | 325.2               |
| 08/03/2020 | 1:00:00 PM  | 49.829                             | 28.108              | 94.046      | 279.026                   | 1.636               | 331.2               |
| 08/03/2020 | 2:00:00 PM  | 51.319                             | 27.297              | 97.518      | 281.262                   | 3.659               | 364.2               |
| 08/03/2020 | 3:00:00 PM  | 241.835                            | 27.551              | 98.806      | 291.806                   | 0.728               | 379.2               |
| 08/03/2020 | 4:00:00 PM  | 221.118                            | 28.171              | 93.877      | 260.43                    | 1.497               | 380.8               |
| 08/03/2020 | 5:00:00 PM  | 41.434                             | 28.554              | 88.016      | 274.87                    | 3.09                | 381.4               |
| 08/03/2020 | 6:00:00 PM  | 9.614                              | 28.29               | 92.553      | 113.234                   | 0.197               | 385.1               |
| 08/03/2020 | 7:00:00 PM  | 2.708                              | 28.763              | 92.132      | 159.19                    | 0.198               | 385.3               |
| 08/03/2020 | 8:00:00 PM  | 1.083                              | 28.459              | 90.021      | 231.359                   | 0.204               | 385.3               |
| 08/03/2020 | 9:00:00 PM  | 2.302                              | 28.319              | 89.493      | 261.503                   | 1.709               | 385.3               |
| 08/03/2020 | 10:00:00 PM | 0.542                              | 28.361              | 86.505      | 97.968                    | 0.199               | 385.3               |
| 08/03/2020 | 11:00:00 PM | -1.219                             | 28.085              | 89.093      | 89.995                    | 0.198               | 385.3               |
| 08/04/2020 | 12:00:00 AM | -2.166                             | 27.969              | 89.485      | 58.096                    | 0.199               | 385.3               |
| 08/04/2020 | 1:00:00 AM  | -1.76                              | 27.343              | 90.622      | 107.923                   | 0.2                 | 385.3               |
| 08/04/2020 | 2:00:00 AM  | -2.844                             | 27.629              | 89.516      | 145.119                   | 0.2                 | 385.3               |
| 08/04/2020 | 3:00:00 AM  | -1.76                              | 27.525              | 90.302      | 345.67                    | 0.21                | 385.3               |
| 08/04/2020 | 4:00:00 AM  | -1.219                             | 27.532              | 87.403      | 182.512                   | 0.202               | 385.3               |
| 08/04/2020 | 5:00:00 AM  | -0.406                             | 27.344              | 88.027      | 164.214                   | 0.199               | 385.3               |
| 08/04/2020 | 6:00:00 AM  | 35.341                             | 27.616              | 84.986      | 291.597                   | 0.202               | 385.3               |
| 08/04/2020 | 7:00:00 AM  | 141.906                            | 28.162              | 84.391      | 149.535                   | 0.199               | 385.3               |
| 08/04/2020 | 8:00:00 AM  | 306.966                            | 31.483              | 71.402      | 58.695                    | 0.199               | 385.3               |
| 08/04/2020 | 9:00:00 AM  | 332.828                            | 32.003              | 65.961      | 255.202                   | 0.206               | 385.3               |
| 08/04/2020 | 10:00:00 AM | 511.022                            | 33.833              | 63.781      | 106.036                   | 0.199               | 385.3               |
| 08/04/2020 | 11:00:00 AM | 577.913                            | 34.709              | 59.366      | 9.62                      | 0.194               | 385.3               |
| 08/04/2020 | 12:00:00 PM | 432.081                            | 35.684              | 58.709      | 117.181                   | 0.201               | 385.3               |
| 08/04/2020 | 1:00:00 PM  | 74.744                             | 33.948              | 62.349      | 201.324                   | 0.204               | 385.3               |
| 08/04/2020 | 2:00:00 PM  | 79.619                             | 33.204              | 65.294      | 113.065                   | 0.201               | 385.3               |
| 08/04/2020 | 3:00:00 PM  | 11.645                             | 30.944              | 77.606      | 292.629                   | 1.177               | 385.3               |
| 08/04/2020 | 4:00:00 PM  | 58.225                             | 29.815              | 84.814      | 232.662                   | 1.105               | 385.5               |
| 08/04/2020 | 5:00:00 PM  | 69.057                             | 30.909              | 78.832      | 265.53                    | 0.202               | 385.6               |
| 08/04/2020 | 6:00:00 PM  | 8.124                              | 30.722              | 80.316      | 127.832                   | 0.202               | 385.6               |
| 08/04/2020 | 7:00:00 PM  | 0.135                              | 29.726              | 86.162      | 205.248                   | 0.204               | 385.6               |
| 08/04/2020 | 8:00:00 PM  | 0.406                              | 30.016              | 84.092      | 230.527                   | 0.383               | 385.6               |
| 08/04/2020 | 9:00:00 PM  | -4.333                             | 29.754              | 85.439      | 81.426                    | 0.199               | 385.6               |
| 08/04/2020 | 10:00:00 PM | -0.271                             | 27.999              | 95.1        | 227.227                   | 0.572               | 393.9               |
| 08/04/2020 | 11:00:00 PM | 0.135                              | 28.126              | 96.066      | 117.111                   | 0.198               | 397.4               |
| 08/05/2020 | 12:00:00 AM | -0.406                             | 28.425              | 93.594      | 68.544                    | 0.196               | 397.4               |
| 08/05/2020 | 1:00:00 AM  | 0.542                              | 28.453              | 91.784      | 234.521                   | 0.414               | 397.6               |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/05/2020 | 2:00:00 AM  | 1.219                              | 28.284              | 90.799      | 172.315                   | 1.229               | 397.6               |
| 08/05/2020 | 3:00:00 AM  | 1.896                              | 28.217              | 89.854      | 117.978                   | 0.199               | 397.6               |
| 08/05/2020 | 4:00:00 AM  | 2.844                              | 28.446              | 87.762      | 18.533                    | 0.194               | 397.6               |
| 08/05/2020 | 5:00:00 AM  | 1.219                              | 28.345              | 88.332      | 6.784                     | 0.194               | 397.6               |
| 08/05/2020 | 6:00:00 AM  | 73.525                             | 28.093              | 89.17       | 248.771                   | 0.253               | 397.6               |
| 08/05/2020 | 7:00:00 AM  | 335.536                            | 29.943              | 80.878      | 235.655                   | 0.202               | 397.6               |
| 08/05/2020 | 8:00:00 AM  | 319.694                            | 31.567              | 72.811      | 276.675                   | 0.826               | 397.6               |
| 08/05/2020 | 9:00:00 AM  | 308.59                             | 33.247              | 67.804      | 99.594                    | 0.198               | 397.6               |
| 08/05/2020 | 10:00:00 AM | 805.937                            | 34.018              | 63.62       | 140.349                   | 0.516               | 397.6               |
| 08/05/2020 | 11:00:00 AM | 648.46                             | 36.741              | 54.875      | 47.02                     | 0.201               | 397.6               |
| 08/05/2020 | 12:00:00 PM | 564.237                            | 36.507              | 47.002      | 124.901                   | 0.47                | 397.6               |
| 08/05/2020 | 1:00:00 PM  | 457.266                            | 36.224              | 49.966      | 225.875                   | 0.451               | 397.6               |
| 08/05/2020 | 2:00:00 PM  | 228.836                            | 34.894              | 52.933      | 236.84                    | 0.204               | 397.6               |
| 08/05/2020 | 3:00:00 PM  | 204.463                            | 35.021              | 54.92       | 56.169                    | 0.198               | 397.6               |
| 08/05/2020 | 4:00:00 PM  | 115.095                            | 34.48               | 54.33       | 137.407                   | 0.963               | 397.6               |
| 08/05/2020 | 5:00:00 PM  | 58.225                             | 34.169              | 57.06       | 103.653                   | 1.134               | 397.6               |
| 08/05/2020 | 6:00:00 PM  | 15.436                             | 33.31               | 61.458      | 4.892                     | 0.525               | 397.6               |
| 08/05/2020 | 7:00:00 PM  | -2.708                             | 32.503              | 64.569      | 139.041                   | 0.202               | 397.6               |
| 08/05/2020 | 8:00:00 PM  | -1.083                             | 32.031              | 66.74       | 85.842                    | 0.199               | 397.6               |
| 08/05/2020 | 9:00:00 PM  | -3.656                             | 30.948              | 77.122      | 248.824                   | 0.455               | 397.6               |
| 08/05/2020 | 10:00:00 PM | -2.031                             | 30.025              | 80.718      | 269.355                   | 1.091               | 397.6               |
| 08/05/2020 | 11:00:00 PM | -2.979                             | 29.396              | 82.542      | 223.583                   | 1.972               | 397.6               |
| 08/06/2020 | 12:00:00 AM | -1.625                             | 29.828              | 79.966      | 135.422                   | 0.2                 | 397.6               |
| 08/06/2020 | 1:00:00 AM  | -1.083                             | 29.219              | 83.811      | 269.66                    | 0.718               | 397.6               |
| 08/06/2020 | 2:00:00 AM  | -1.354                             | 29.155              | 81.882      | 220.12                    | 0.508               | 397.6               |
| 08/06/2020 | 3:00:00 AM  | -2.302                             | 29.039              | 82.027      | 259.395                   | 1.347               | 397.6               |
| 08/06/2020 | 4:00:00 AM  | -3.656                             | 28.765              | 82.605      | 267.589                   | 1.068               | 397.6               |
| 08/06/2020 | 5:00:00 AM  | -2.844                             | 28.433              | 84.11       | 238.163                   | 0.873               | 397.6               |
| 08/06/2020 | 6:00:00 AM  | 59.714                             | 28.604              | 82.001      | 244.107                   | 1.228               | 397.6               |
| 08/06/2020 | 7:00:00 AM  | 161.404                            | 30.015              | 76.481      | 76.953                    | 0.198               | 397.6               |
| 08/06/2020 | 8:00:00 AM  | 282.592                            | 31.095              | 71.301      | 194.401                   | 0.621               | 397.6               |
| 08/06/2020 | 9:00:00 AM  | 743.244                            | 35.018              | 60.565      | 264.776                   | 1.758               | 397.6               |
| 08/06/2020 | 10:00:00 AM | 898.825                            | 36.63               | 51.202      | 25.245                    | 0.67                | 397.6               |
| 08/06/2020 | 11:00:00 AM | 1103.965                           | 38.536              | 44.963      | 166.975                   | 0.205               | 397.6               |
| 08/06/2020 | 12:00:00 PM | 1044.928                           | 37.966              | 44.794      | 134.135                   | 0.202               | 397.6               |
| 08/06/2020 | 1:00:00 PM  | 989.954                            | 39.114              | 46.69       | 135.164                   | 0.788               | 397.6               |
| 08/06/2020 | 2:00:00 PM  | 919.136                            | 39.286              | 43.034      | 10.313                    | 0.198               | 397.6               |
| 08/06/2020 | 3:00:00 PM  | 241.971                            | 38.736              | 45.891      | 75.64                     | 0.21                | 397.6               |
| 08/06/2020 | 4:00:00 PM  | 520.365                            | 36.993              | 50.835      | 72.724                    | 0.828               | 397.6               |
| 08/06/2020 | 5:00:00 PM  | 67.026                             | 35.246              | 53.396      | 121.571                   | 1.059               | 397.6               |
| 08/06/2020 | 6:00:00 PM  | 30.331                             | 34.098              | 56.145      | 74.214                    | 0.201               | 397.6               |
| 08/06/2020 | 7:00:00 PM  | -5.822                             | 33.459              | 62.081      | 196.986                   | 1.427               | 397.6               |
| 08/06/2020 | 8:00:00 PM  | -3.114                             | 32.809              | 59.011      | 147.66                    | 1.262               | 397.6               |
| 08/06/2020 | 9:00:00 PM  | -3.385                             | 32.563              | 60.879      | 130.009                   | 0.941               | 397.6               |
| 08/06/2020 | 10:00:00 PM | -3.114                             | 32.486              | 55.56       | 78.425                    | 0.408               | 397.6               |
| 08/06/2020 | 11:00:00 PM | -2.573                             | 31.453              | 63.686      | 215.045                   | 0.706               | 397.6               |
| 08/07/2020 | 12:00:00 AM | -2.437                             | 30.741              | 67.866      | 242.376                   | 0.952               | 397.6               |
| 08/07/2020 | 1:00:00 AM  | -4.062                             | 30.107              | 71.522      | 269.713                   | 1.068               | 397.6               |
| 08/07/2020 | 2:00:00 AM  | -2.844                             | 29.451              | 74.895      | 32.08                     | 0.196               | 397.6               |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/07/2020 | 3:00:00 AM  | -2.573                             | 29.225              | 76.024      | 179.984                   | 0.203               | 397.6               |
| 08/07/2020 | 4:00:00 AM  | -0.677                             | 29.29               | 75.879      | 284.361                   | 0.205               | 397.6               |
| 08/07/2020 | 5:00:00 AM  | -1.625                             | 28.45               | 79.893      | 212.799                   | 0.208               | 397.6               |
| 08/07/2020 | 6:00:00 AM  | 29.654                             | 28.68               | 77.865      | 277.545                   | 1.714               | 397.6               |
| 08/07/2020 | 7:00:00 AM  | 294.373                            | 31.007              | 68.192      | 165.923                   | 0.531               | 397.6               |
| 08/07/2020 | 8:00:00 AM  | 523.886                            | 33.681              | 58.87       | 313.356                   | 1.294               | 397.6               |
| 08/07/2020 | 9:00:00 AM  | 723.339                            | 36.635              | 51.679      | 322.349                   | 0.209               | 397.6               |
| 08/07/2020 | 10:00:00 AM | 806.749                            | 37.146              | 48.076      | 151.484                   | 1.316               | 397.6               |
| 08/07/2020 | 11:00:00 AM | 944.593                            | 37.042              | 49.098      | 66.555                    | 0.202               | 397.6               |
| 08/07/2020 | 12:00:00 PM | 265.125                            | 37.616              | 45.765      | 91.207                    | 0.205               | 397.6               |
| 08/07/2020 | 1:00:00 PM  | 1103.83                            | 37.465              | 41.679      | 132.743                   | 0.954               | 397.6               |
| 08/07/2020 | 2:00:00 PM  | 220.712                            | 37.938              | 40.641      | 175.064                   | 0.211               | 397.6               |
| 08/07/2020 | 3:00:00 PM  | 281.238                            | 37.32               | 50.395      | 81.738                    | 0.201               | 397.6               |
| 08/07/2020 | 4:00:00 PM  | 517.793                            | 37.59               | 50.737      | 120.602                   | 0.206               | 397.6               |
| 08/07/2020 | 5:00:00 PM  | 122.542                            | 36.454              | 54.736      | 60.982                    | 0.393               | 397.6               |
| 08/07/2020 | 6:00:00 PM  | 22.748                             | 34.734              | 56.369      | 68.935                    | 0.639               | 397.6               |
| 08/07/2020 | 7:00:00 PM  | -2.979                             | 33.461              | 63.136      | 124.771                   | 0.2                 | 397.6               |
| 08/07/2020 | 8:00:00 PM  | -4.062                             | 33.043              | 66.353      | 155.244                   | 0.723               | 397.6               |
| 08/07/2020 | 9:00:00 PM  | -3.791                             | 32.417              | 67.914      | 157.458                   | 0.672               | 397.6               |
| 08/07/2020 | 10:00:00 PM | -2.979                             | 31.658              | 72.391      | 196.632                   | 0.205               | 397.6               |
| 08/07/2020 | 11:00:00 PM | -3.791                             | 31.252              | 73.103      | 261.368                   | 0.957               | 397.6               |
| 08/08/2020 | 12:00:00 AM | -3.521                             | 31.22               | 72.892      | 241.425                   | 0.502               | 397.6               |
| 08/08/2020 | 1:00:00 AM  | -3.521                             | 30.307              | 76.449      | 243.02                    | 1.262               | 397.6               |
| 08/08/2020 | 2:00:00 AM  | -2.166                             | 30.328              | 77.359      | 272.571                   | 1.469               | 397.6               |
| 08/08/2020 | 3:00:00 AM  | -2.437                             | 29.578              | 79.192      | 198.87                    | 0.663               | 397.6               |
| 08/08/2020 | 4:00:00 AM  | -2.573                             | 29.745              | 77.71       | 294.083                   | 0.206               | 397.6               |
| 08/08/2020 | 5:00:00 AM  | -1.354                             | 29.555              | 78.595      | 134.711                   | 0.202               | 397.6               |
| 08/08/2020 | 6:00:00 AM  | 55.246                             | 29.783              | 75.364      | 254.43                    | 0.204               | 397.6               |
| 08/08/2020 | 7:00:00 AM  | 252.261                            | 30.874              | 71.25       | 138.373                   | 0.949               | 397.6               |
| 08/08/2020 | 8:00:00 AM  | 485.431                            | 33.957              | 61.263      | 198.775                   | 0.204               | 397.6               |
| 08/08/2020 | 9:00:00 AM  | 288.821                            | 34.148              | 60.859      | 211.011                   | 0.617               | 397.6               |
| 08/08/2020 | 10:00:00 AM | 485.972                            | 36.257              | 53.215      | 196.057                   | 1.482               | 397.6               |
| 08/08/2020 | 11:00:00 AM | 1014.868                           | 37.807              | 49.726      | 253.641                   | 0.21                | 397.6               |
| 08/08/2020 | 12:00:00 PM | 285.03                             | 38.265              | 49.653      | 235.644                   | 0.207               | 397.6               |
| 08/08/2020 | 1:00:00 PM  | 222.472                            | 36.766              | 55.726      | 117.865                   | 0.812               | 397.6               |
| 08/08/2020 | 2:00:00 PM  | 759.086                            | 37.471              | 52.433      | 23.443                    | 0.203               | 397.6               |
| 08/08/2020 | 3:00:00 PM  | 360.18                             | 36.758              | 53.916      | 222.465                   | 0.622               | 397.6               |
| 08/08/2020 | 4:00:00 PM  | 43.601                             | 34.872              | 57.986      | 249.524                   | 0.208               | 397.6               |
| 08/08/2020 | 5:00:00 PM  | 66.62                              | 34.057              | 56.464      | 4.888                     | 0.186               | 397.6               |
| 08/08/2020 | 6:00:00 PM  | 12.593                             | 33.691              | 55.427      | 121.22                    | 0.203               | 397.6               |
| 08/08/2020 | 7:00:00 PM  | -5.01                              | 32.678              | 60.726      | 169.315                   | 0.989               | 397.6               |
| 08/08/2020 | 8:00:00 PM  | -3.656                             | 32.366              | 62.861      | 107.587                   | 0.202               | 397.6               |
| 08/08/2020 | 9:00:00 PM  | -4.333                             | 32.123              | 64.283      | 112.053                   | 0.201               | 397.6               |
| 08/08/2020 | 10:00:00 PM | -3.385                             | 31.514              | 66.327      | 165.935                   | 0.202               | 397.6               |
| 08/08/2020 | 11:00:00 PM | -4.062                             | 31.577              | 63.252      | 94.557                    | 0.2                 | 397.6               |
| 08/09/2020 | 12:00:00 AM | -5.281                             | 31.292              | 62.268      | 131.388                   | 1.593               | 397.6               |
| 08/09/2020 | 1:00:00 AM  | -3.385                             | 31.14               | 61.559      | 131.942                   | 0.661               | 397.6               |
| 08/09/2020 | 2:00:00 AM  | -3.385                             | 30.492              | 65.501      | 223.023                   | 0.687               | 397.6               |
| 08/09/2020 | 3:00:00 AM  | -4.875                             | 29.828              | 69.938      | 266.594                   | 0.804               | 397.6               |

|            |             | Pyranometer         | Temperature | RH     | Wind Direction | Wind Speed | Rain sensor |
|------------|-------------|---------------------|-------------|--------|----------------|------------|-------------|
|            |             | [W/m <sup>2</sup> ] | [°C]        | [%RH]  | [angle]        | [m/s]      | [mm]        |
| 08/09/2020 | 4:00:00 AM  | -1.354              | 29.329      | 71.085 | 217.683        | 1.139      | 397.6       |
| 08/09/2020 | 5:00:00 AM  | -1.76               | 28.985      | 71.482 | 345.361        | 0.209      | 397.6       |
| 08/09/2020 | 6:00:00 AM  | 29.519              | 28.878      | 72.098 | 215.942        | 0.942      | 397.6       |
| 08/09/2020 | 7:00:00 AM  | 119.97              | 29.591      | 71.283 | 100.905        | 0.2        | 397.6       |
| 08/09/2020 | 8:00:00 AM  | 230.867             | 30.664      | 68.753 | 211.786        | 0.205      | 397.6       |
| 08/09/2020 | 9:00:00 AM  | 421.654             | 32.96       | 61.379 | 13.734         | 0.197      | 397.6       |
| 08/09/2020 | 10:00:00 AM | 868.224             | 35.115      | 51     | 76.472         | 0.203      | 397.6       |
| 08/09/2020 | 11:00:00 AM | 399.583             | 35.127      | 51.279 | 12.214         | 0.586      | 397.6       |
| 08/09/2020 | 12:00:00 PM | 488.003             | 36.021      | 48.374 | 63.476         | 0.201      | 397.6       |
| 08/09/2020 | 1:00:00 PM  | 392.136             | 35.969      | 56.932 | 202.663        | 0.852      | 397.6       |
| 08/09/2020 | 2:00:00 PM  | 360.993             | 35.529      | 54.052 | 135.661        | 0.656      | 397.6       |
| 08/09/2020 | 3:00:00 PM  | 224.639             | 34.548      | 57.529 | 106.705        | 0.982      | 397.6       |
| 08/09/2020 | 4:00:00 PM  | 612.712             | 35.439      | 57.496 | 89.349         | 0.206      | 397.6       |
| 08/09/2020 | 5:00:00 PM  | 63.235              | 35.146      | 48.658 | 197.538        | 0.459      | 397.6       |
| 08/09/2020 | 6:00:00 PM  | 16.113              | 34.311      | 55.185 | 246.73         | 0.733      | 397.6       |
| 08/09/2020 | 7:00:00 PM  | -3.791              | 33.45       | 58.093 | 87.495         | 0.746      | 397.6       |
| 08/09/2020 | 8:00:00 PM  | -4.468              | 32.233      | 66.69  | 130.999        | 0.657      | 397.6       |
| 08/09/2020 | 9:00:00 PM  | -2.437              | 31.79       | 68.657 | 86.141         | 0.199      | 397.6       |
| 08/09/2020 | 10:00:00 PM | -2.437              | 31.289      | 71.705 | 254.388        | 1.521      | 397.6       |
| 08/09/2020 | 11:00:00 PM | -1.896              | 31.108      | 72.132 | 213.571        | 1.077      | 397.6       |
| 08/10/2020 | 12:00:00 AM | -2.302              | 30.538      | 75.164 | 269.342        | 2.245      | 397.6       |
| 08/10/2020 | 1:00:00 AM  | -3.114              | 30.086      | 76.375 | 252.132        | 2.651      | 397.6       |
| 08/10/2020 | 2:00:00 AM  | -2.573              | 29.653      | 77.494 | 255.256        | 0.208      | 397.6       |
| 08/10/2020 | 3:00:00 AM  | -0.677              | 29.577      | 76.769 | 190.042        | 0.204      | 397.6       |
| 08/10/2020 | 4:00:00 AM  | -2.844              | 29.058      | 79.781 | 10.553         | 0.195      | 397.6       |
| 08/10/2020 | 5:00:00 AM  | -3.114              | 29.093      | 78.956 | 155.411        | 0.202      | 397.6       |
| 08/10/2020 | 6:00:00 AM  | 49.288              | 29.35       | 78.296 | 123.125        | 0.199      | 397.6       |
| 08/10/2020 | 7:00:00 AM  | 364.919             | 31.985      | 68.312 | 170.663        | 0.203      | 397.6       |
| 08/10/2020 | 8:00:00 AM  | 303.851             | 33.289      | 65.576 | 349.152        | 0.211      | 397.6       |
| 08/10/2020 | 9:00:00 AM  | 303.58              | 35.361      | 57.773 | 96.998         | 0.566      | 397.6       |
| 08/10/2020 | 10:00:00 AM | 411.499             | 35.732      | 54.217 | 131.589        | 0.203      | 397.6       |
| 08/10/2020 | 11:00:00 AM | 280.832             | 37.021      | 49.862 | 5.583          | 0.714      | 397.6       |
| 08/10/2020 | 12:00:00 PM | 1122.381            | 37.283      | 48.599 | 180.712        | 0.209      | 397.6       |
| 08/10/2020 | 1:00:00 PM  | 313.6               | 36.821      | 52.653 | 143.377        | 0.411      | 397.6       |
| 08/10/2020 | 2:00:00 PM  | 304.393             | 35.629      | 56.739 | 151.423        | 0.49       | 397.6       |
| 08/10/2020 | 3:00:00 PM  | 241.158             | 36.909      | 53.077 | 91.818         | 0.203      | 397.6       |
| 08/10/2020 | 4:00:00 PM  | 30.737              | 34.43       | 61.857 | 52.571         | 1.99       | 397.6       |
| 08/10/2020 | 5:00:00 PM  | -0.812              | 32.125      | 73.313 | 268.609        | 0.205      | 397.8       |
| 08/10/2020 | 6:00:00 PM  | -3.114              | 30.188      | 88.063 | 167.39         | 0.206      | 398.5       |
| 08/10/2020 | 7:00:00 PM  | -4.875              | 29.621      | 89.568 | 104.729        | 0.451      | 399.2       |
| 08/10/2020 | 8:00:00 PM  | -1.896              | 29.625      | 88.883 | 115.795        | 0.681      | 401.6       |
| 08/10/2020 | 9:00:00 PM  | -1.625              | 29.502      | 90.293 | 16.041         | 0.198      | 402.9       |
| 08/10/2020 | 10:00:00 PM | -2.573              | 29.895      | 89.248 | 269.926        | 0.206      | 402.9       |
| 08/10/2020 | 11:00:00 PM | -1.219              | 29.384      | 89.81  | 192.449        | 0.205      | 402.9       |
| 08/11/2020 | 12:00:00 AM | -0.812              | 29.278      | 87.156 | 193.595        | 0.202      | 402.9       |
| 08/11/2020 | 1:00:00 AM  | -1.625              | 28.988      | 88.649 | 231.681        | 0.622      | 402.9       |
| 08/11/2020 | 2:00:00 AM  | -3.25               | 28.96       | 87.676 | 3.409          | 0.187      | 402.9       |
| 08/11/2020 | 3:00:00 AM  | -1.083              | 28.786      | 87.861 | 263.557        | 1.363      | 402.9       |
| 08/11/2020 | 4:00:00 AM  | -3.521              | 28.75       | 87.274 | 88.616         | 0.585      | 402.9       |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/11/2020 | 5:00:00 AM  | -3.114                             | 29.059              | 85.927      | 233                       | 0.205               | 402.9               |
| 08/11/2020 | 6:00:00 AM  | 47.934                             | 28.989              | 86.289      | 43.472                    | 0.197               | 402.9               |
| 08/11/2020 | 7:00:00 AM  | 159.373                            | 30.118              | 80.158      | 278.276                   | 0.207               | 402.9               |
| 08/11/2020 | 8:00:00 AM  | 641.418                            | 33.821              | 67.349      | 214.66                    | 0.206               | 402.9               |
| 08/11/2020 | 9:00:00 AM  | 848.048                            | 34.613              | 59.497      | 40.636                    | 0.199               | 402.9               |
| 08/11/2020 | 10:00:00 AM | 497.482                            | 34.278              | 64.5        | 81.365                    | 0.203               | 402.9               |
| 08/11/2020 | 11:00:00 AM | 958.946                            | 36.492              | 52.706      | 339.681                   | 1.33                | 402.9               |
| 08/11/2020 | 12:00:00 PM | 639.117                            | 37.109              | 53.172      | 172.446                   | 0.629               | 402.9               |
| 08/11/2020 | 1:00:00 PM  | 43.33                              | 34.771              | 64.089      | 65.369                    | 0.2                 | 402.9               |
| 08/11/2020 | 2:00:00 PM  | 7.041                              | 29.902              | 78.223      | 79.835                    | 0.622               | 402.9               |
| 08/11/2020 | 3:00:00 PM  | 12.187                             | 28.913              | 84.158      | 202.032                   | 0.204               | 403.1               |
| 08/11/2020 | 4:00:00 PM  | 45.09                              | 28.894              | 84.64       | 256.62                    | 0.791               | 403.2               |
| 08/11/2020 | 5:00:00 PM  | 39.674                             | 29.048              | 86.668      | 216.856                   | 0.775               | 403.5               |
| 08/11/2020 | 6:00:00 PM  | 10.697                             | 29.14               | 85.101      | 201.31                    | 0.582               | 403.5               |
| 08/11/2020 | 7:00:00 PM  | -1.76                              | 29.559              | 83.233      | 151.081                   | 0.198               | 403.5               |
| 08/11/2020 | 8:00:00 PM  | -1.625                             | 29.199              | 84.319      | 50.371                    | 0.198               | 403.5               |
| 08/11/2020 | 9:00:00 PM  | -2.302                             | 29.267              | 84.222      | 50.928                    | 0.199               | 403.5               |
| 08/11/2020 | 10:00:00 PM | -1.76                              | 29.422              | 81.264      | 59.96                     | 0.2                 | 403.5               |
| 08/11/2020 | 11:00:00 PM | -1.896                             | 28.906              | 85.582      | 161.858                   | 0.201               | 403.5               |
| 08/12/2020 | 12:00:00 AM | -1.489                             | 28.434              | 87.209      | 293.525                   | 0.478               | 403.5               |
| 08/12/2020 | 1:00:00 AM  | -3.791                             | 28.25               | 86.708      | 219.975                   | 1.093               | 403.5               |
| 08/12/2020 | 2:00:00 AM  | -2.844                             | 28.004              | 87.661      | 240.309                   | 0.204               | 403.5               |
| 08/12/2020 | 3:00:00 AM  | -2.437                             | 28.094              | 87.87       | 65.419                    | 0.652               | 403.5               |
| 08/12/2020 | 4:00:00 AM  | -3.25                              | 28.248              | 86.363      | 146.386                   | 0.198               | 403.5               |
| 08/12/2020 | 5:00:00 AM  | -2.437                             | 28.243              | 85.556      | 128.344                   | 0.483               | 403.5               |
| 08/12/2020 | 6:00:00 AM  | 34.258                             | 28.277              | 84.875      | 115.624                   | 0.246               | 403.5               |
| 08/12/2020 | 7:00:00 AM  | 292.206                            | 31.46               | 71.966      | 243.242                   | 0.205               | 403.5               |
| 08/12/2020 | 8:00:00 AM  | 529.031                            | 33.61               | 65.354      | 11.165                    | 0.197               | 403.5               |
| 08/12/2020 | 9:00:00 AM  | 730.245                            | 34.623              | 58.53       | 134.225                   | 0.886               | 403.5               |
| 08/12/2020 | 10:00:00 AM | 209.879                            | 36.007              | 57.523      | 54.262                    | 0.201               | 403.5               |
| 08/12/2020 | 11:00:00 AM | 1037.752                           | 37.505              | 49.436      | 151.886                   | 0.203               | 403.5               |
| 08/12/2020 | 12:00:00 PM | 1111.819                           | 37.119              | 50.341      | 269.059                   | 0.49                | 403.5               |
| 08/12/2020 | 1:00:00 PM  | 1026.649                           | 38.704              | 49.413      | 332.615                   | 0.213               | 403.5               |
| 08/12/2020 | 2:00:00 PM  | 138.791                            | 37.75               | 51.261      | 330.97                    | 0.212               | 403.5               |
| 08/12/2020 | 3:00:00 PM  | 59.308                             | 30.055              | 78.311      | 53.516                    | 0.697               | 411.4               |
| 08/12/2020 | 4:00:00 PM  | 59.443                             | 30.378              | 78.835      | 199.237                   | 0.205               | 411.4               |
| 08/12/2020 | 5:00:00 PM  | 40.216                             | 30.911              | 79.256      | 278.128                   | 1.414               | 411.4               |
| 08/12/2020 | 6:00:00 PM  | 16.384                             | 30.916              | 81.907      | 159.24                    | 0.203               | 411.4               |
| 08/12/2020 | 7:00:00 PM  | 0.135                              | 30.36               | 85.225      | 279.858                   | 0.347               | 411.4               |
| 08/12/2020 | 8:00:00 PM  | -0.812                             | 30.067              | 84.66       | 275.321                   | 1.837               | 411.4               |
| 08/12/2020 | 9:00:00 PM  | -2.979                             | 30.134              | 84.073      | 61.685                    | 0.198               | 411.4               |
| 08/12/2020 | 10:00:00 PM | -1.219                             | 29.803              | 85.223      | 263.317                   | 1.445               | 411.4               |
| 08/12/2020 | 11:00:00 PM | -3.656                             | 29.859              | 84.256      | 118.493                   | 0.2                 | 411.4               |
| 08/13/2020 | 12:00:00 AM | -2.979                             | 29.737              | 85.47       | 133.141                   | 0.201               | 411.4               |
| 08/13/2020 | 1:00:00 AM  | -2.708                             | 29.507              | 81.743      | 273.267                   | 0.202               | 411.4               |
| 08/13/2020 | 2:00:00 AM  | -3.791                             | 28.855              | 83.137      | 262.557                   | 1.56                | 411.4               |
| 08/13/2020 | 3:00:00 AM  | -3.656                             | 28.902              | 82.267      | 216.24                    | 0.204               | 411.4               |
| 08/13/2020 | 4:00:00 AM  | -4.198                             | 28.542              | 86.432      | 71.834                    | 0.198               | 411.4               |
| 08/13/2020 | 5:00:00 AM  | -2.573                             | 28.412              | 83.813      | 147.068                   | 0.684               | 411.4               |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/13/2020 | 6:00:00 AM  | 33.716                             | 28.229              | 84.816      | 96.644                    | 0.883               | 411.4               |
| 08/13/2020 | 7:00:00 AM  | 293.425                            | 31.271              | 73.418      | 151.715                   | 0.201               | 411.4               |
| 08/13/2020 | 8:00:00 AM  | 526.865                            | 33.134              | 64.911      | 306.095                   | 0.208               | 411.4               |
| 08/13/2020 | 9:00:00 AM  | 731.734                            | 35.625              | 56.364      | 59.088                    | 0.879               | 411.4               |
| 08/13/2020 | 10:00:00 AM | 563.695                            | 36.585              | 53.102      | 99.075                    | 0.201               | 411.4               |
| 08/13/2020 | 11:00:00 AM | 1117.641                           | 37.74               | 46.382      | 143.742                   | 0.871               | 411.4               |
| 08/13/2020 | 12:00:00 PM | 688.54                             | 38.973              | 43.236      | 353.961                   | 1.148               | 411.4               |
| 08/13/2020 | 1:00:00 PM  | 231.003                            | 36.675              | 55.099      | 110.665                   | 0.201               | 411.4               |
| 08/13/2020 | 2:00:00 PM  | 283.405                            | 35.665              | 61.095      | 24.68                     | 0.199               | 411.4               |
| 08/13/2020 | 3:00:00 PM  | 113.876                            | 34.002              | 68.241      | 124.008                   | 0.578               | 411.6               |
| 08/13/2020 | 4:00:00 PM  | 152.061                            | 34.791              | 61.329      | 190.495                   | 0.208               | 411.6               |
| 08/13/2020 | 5:00:00 PM  | 139.197                            | 34.06               | 63.975      | 298.605                   | 1.275               | 411.6               |
| 08/13/2020 | 6:00:00 PM  | 14.082                             | 29.517              | 87.846      | 79.18                     | 0.198               | 418                 |
| 08/13/2020 | 7:00:00 PM  | 2.166                              | 29.586              | 85.582      | 219.883                   | 1.135               | 418                 |
| 08/13/2020 | 8:00:00 PM  | -0.271                             | 29.278              | 85.663      | 356.138                   | 0.221               | 418                 |
| 08/13/2020 | 9:00:00 PM  | -0.948                             | 29.201              | 84.398      | 207.221                   | 0.713               | 418                 |
| 08/13/2020 | 10:00:00 PM | -1.219                             | 29.328              | 82.204      | 16.4                      | 0.199               | 418                 |
| 08/13/2020 | 11:00:00 PM | -2.979                             | 29.433              | 80.617      | 121.69                    | 0.2                 | 418                 |
| 08/14/2020 | 12:00:00 AM | -2.844                             | 28.884              | 83.563      | 62.474                    | 0.197               | 418                 |
| 08/14/2020 | 1:00:00 AM  | -3.114                             | 28.927              | 83.473      | 119.826                   | 0.635               | 418                 |
| 08/14/2020 | 2:00:00 AM  | -3.114                             | 28.194              | 84.192      | 228.933                   | 0.445               | 418                 |
| 08/14/2020 | 3:00:00 AM  | -2.979                             | 28.06               | 83.711      | 237.333                   | 0.736               | 418                 |
| 08/14/2020 | 4:00:00 AM  | -3.114                             | 27.683              | 86.43       | 254.363                   | 1.381               | 418                 |
| 08/14/2020 | 5:00:00 AM  | -3.927                             | 27.283              | 83.989      | 273.642                   | 0.939               | 418                 |
| 08/14/2020 | 6:00:00 AM  | 35.206                             | 27.372              | 80.493      | 260.625                   | 1.767               | 418                 |
| 08/14/2020 | 7:00:00 AM  | 288.009                            | 29.488              | 73.909      | 177.66                    | 1.122               | 418                 |
| 08/14/2020 | 8:00:00 AM  | 521.178                            | 32.402              | 63.629      | 150.22                    | 0.205               | 418                 |
| 08/14/2020 | 9:00:00 AM  | 721.714                            | 34.461              | 60.214      | 296.86                    | 0.754               | 418                 |
| 08/14/2020 | 10:00:00 AM | 875.671                            | 36.289              | 51.723      | 122.955                   | 0.2                 | 418                 |
| 08/14/2020 | 11:00:00 AM | 978.579                            | 36.401              | 51.858      | 70.911                    | 0.199               | 418                 |
| 08/14/2020 | 12:00:00 PM | 1100.445                           | 36.846              | 50.235      | 43.851                    | 0.442               | 418                 |
| 08/14/2020 | 1:00:00 PM  | 1002.14                            | 37.883              | 49.322      | 106.726                   | 0.227               | 418                 |
| 08/14/2020 | 2:00:00 PM  | 964.633                            | 38.456              | 42.475      | 247.95                    | 0.209               | 418                 |
| 08/14/2020 | 3:00:00 PM  | 821.238                            | 37.196              | 53.047      | 229.7                     | 0.773               | 418                 |
| 08/14/2020 | 4:00:00 PM  | 167.091                            | 33.447              | 65.743      | 261.674                   | 2.543               | 418                 |
| 08/14/2020 | 5:00:00 PM  | 89.774                             | 34.274              | 64.019      | 235.989                   | 0.206               | 418                 |
| 08/14/2020 | 6:00:00 PM  | 21.259                             | 28.995              | 86.695      | 133.921                   | 0.204               | 421.4               |
| 08/14/2020 | 7:00:00 PM  | 1.489                              | 29.331              | 81.725      | 88.14                     | 0.508               | 421.4               |
| 08/14/2020 | 8:00:00 PM  | -1.219                             | 29.387              | 82.729      | 101.083                   | 0.194               | 421.4               |
| 08/14/2020 | 9:00:00 PM  | -0.948                             | 29.227              | 79.804      | 104.027                   | 1.099               | 421.4               |
| 08/14/2020 | 10:00:00 PM | -4.198                             | 29.057              | 80.638      | 109.611                   | 0.763               | 421.4               |
| 08/14/2020 | 11:00:00 PM | -3.521                             | 29.24               | 79.352      | 147.754                   | 0.202               | 421.4               |
| 08/15/2020 | 12:00:00 AM | -2.844                             | 28.864              | 82.069      | 183.354                   | 0.204               | 421.4               |
| 08/15/2020 | 1:00:00 AM  | -2.437                             | 28.193              | 83.817      | 197.043                   | 0.569               | 421.4               |
| 08/15/2020 | 2:00:00 AM  | -1.489                             | 28.354              | 81.543      | 262.671                   | 2.1                 | 421.4               |
| 08/15/2020 | 3:00:00 AM  | -1.219                             | 27.887              | 85.061      | 290.676                   | 0.206               | 421.4               |
| 08/15/2020 | 4:00:00 AM  | -3.385                             | 28.243              | 83.275      | 40.016                    | 0.197               | 421.4               |
| 08/15/2020 | 5:00:00 AM  | -2.979                             | 28.115              | 82.659      | 94.947                    | 0.198               | 421.4               |
| 08/15/2020 | 6:00:00 AM  | 41.163                             | 28.04               | 81.04       | 139.67                    | 0.936               | 421.4               |

|            |             | Pyranometer         | Temperature | RH     | Wind Direction | Wind Speed | Rain sensor |
|------------|-------------|---------------------|-------------|--------|----------------|------------|-------------|
|            |             | [W/m <sup>2</sup> ] | [°C]        | [%RH]  | [angle]        | [m/s]      | [mm]        |
| 08/15/2020 | 7:00:00 AM  | 252.261             | 29.92       | 74.997 | 226.875        | 0.205      | 421.4       |
| 08/15/2020 | 8:00:00 AM  | 545.957             | 32.182      | 65.872 | 124.91         | 0.198      | 421.4       |
| 08/15/2020 | 9:00:00 AM  | 518.199             | 33.847      | 59.37  | 157.741        | 0.345      | 421.4       |
| 08/15/2020 | 10:00:00 AM | 641.825             | 35.532      | 53.559 | 200.339        | 0.207      | 421.4       |
| 08/15/2020 | 11:00:00 AM | 964.362             | 36.194      | 49.288 | 140.597        | 0.207      | 421.4       |
| 08/15/2020 | 12:00:00 PM | 384.012             | 37.078      | 49.673 | 53.605         | 0.202      | 421.4       |
| 08/15/2020 | 1:00:00 PM  | 1023.941            | 36.734      | 51.934 | 18.031         | 1.618      | 421.4       |
| 08/15/2020 | 2:00:00 PM  | 219.764             | 36.378      | 49.627 | 19.498         | 0.202      | 421.4       |
| 08/15/2020 | 3:00:00 PM  | 235.2               | 36.035      | 46.526 | 120.492        | 0.772      | 421.4       |
| 08/15/2020 | 4:00:00 PM  | 109.814             | 34.154      | 53.227 | 149.8          | 0.644      | 421.4       |
| 08/15/2020 | 5:00:00 PM  | 66.891              | 31.306      | 66.8   | 262.419        | 1.148      | 421.4       |
| 08/15/2020 | 6:00:00 PM  | 12.728              | 31.758      | 63.515 | 284.923        | 0.208      | 421.4       |
| 08/15/2020 | 7:00:00 PM  | -2.708              | 31.067      | 68.467 | 147.238        | 0.202      | 421.4       |
| 08/15/2020 | 8:00:00 PM  | -4.333              | 30.169      | 71.099 | 197.502        | 0.203      | 421.4       |
| 08/15/2020 | 9:00:00 PM  | -4.604              | 30.092      | 72.704 | 266.474        | 1.083      | 421.4       |
| 08/15/2020 | 10:00:00 PM | -3.385              | 29.373      | 77.031 | 261.738        | 1.369      | 421.4       |
| 08/15/2020 | 11:00:00 PM | -3.385              | 29.206      | 77.406 | 266.715        | 2.255      | 421.4       |
| 08/16/2020 | 12:00:00 AM | -2.573              | 28.876      | 79.162 | 315.585        | 0.961      | 421.4       |
| 08/16/2020 | 1:00:00 AM  | -3.385              | 28.895      | 78.667 | 229.559        | 0.973      | 421.4       |
| 08/16/2020 | 2:00:00 AM  | -3.114              | 28.382      | 81.383 | 106.85         | 0.675      | 421.4       |
| 08/16/2020 | 3:00:00 AM  | -2.437              | 28.52       | 80.476 | 250.772        | 0.203      | 421.4       |
| 08/16/2020 | 4:00:00 AM  | -3.385              | 28.27       | 81.967 | 83.965         | 0.199      | 421.4       |
| 08/16/2020 | 5:00:00 AM  | -3.25               | 27.941      | 82.866 | 88.337         | 0.718      | 421.4       |
| 08/16/2020 | 6:00:00 AM  | 52.538              | 28.013      | 81.962 | 156.224        | 0.199      | 421.4       |
| 08/16/2020 | 7:00:00 AM  | 266.208             | 29.558      | 76.167 | 255.027        | 1.553      | 421.4       |
| 08/16/2020 | 8:00:00 AM  | 536.885             | 31.738      | 67.428 | 246.35         | 0.817      | 421.4       |
| 08/16/2020 | 9:00:00 AM  | 737.015             | 34.365      | 56.581 | 144.98         | 0.2        | 421.4       |
| 08/16/2020 | 10:00:00 AM | 907.085             | 36.211      | 51.745 | 239.622        | 0.208      | 421.4       |
| 08/16/2020 | 11:00:00 AM | 1114.798            | 37.778      | 45.796 | 61.121         | 0.453      | 421.4       |
| 08/16/2020 | 12:00:00 PM | 288.144             | 36.914      | 47.244 | 41.921         | 0.204      | 421.4       |
| 08/16/2020 | 1:00:00 PM  | 291.123             | 36.748      | 46.514 | 192.834        | 0.572      | 421.4       |
| 08/16/2020 | 2:00:00 PM  | 645.21              | 35.765      | 47.559 | 115.83         | 0.562      | 421.4       |
| 08/16/2020 | 3:00:00 PM  | 152.467             | 35.647      | 50.951 | 332.708        | 0.215      | 421.4       |
| 08/16/2020 | 4:00:00 PM  | 39.539              | 34.099      | 61.866 | 238.585        | 2.036      | 421.4       |
| 08/16/2020 | 5:00:00 PM  | 62.151              | 32.699      | 62.547 | 310.533        | 0.209      | 421.4       |
| 08/16/2020 | 6:00:00 PM  | 15.978              | 32.809      | 58.86  | 120.042        | 0.204      | 421.4       |
| 08/16/2020 | 7:00:00 PM  | -3.385              | 32.366      | 60.837 | 107.259        | 0.897      | 421.4       |
| 08/16/2020 | 8:00:00 PM  | -2.708              | 32.084      | 62.544 | 72.934         | 1.972      | 421.4       |
| 08/16/2020 | 9:00:00 PM  | -2.166              | 32.066      | 62.661 | 140.504        | 0.672      | 421.4       |
| 08/16/2020 | 10:00:00 PM | -4.468              | 32.004      | 63.435 | 141.102        | 0.771      | 421.4       |
| 08/16/2020 | 11:00:00 PM | -2.708              | 32          | 61.701 | 52.513         | 1.317      | 421.4       |
| 08/17/2020 | 12:00:00 AM | -2.031              | 31.579      | 64.323 | 245.128        | 0.207      | 421.4       |
| 08/17/2020 | 1:00:00 AM  | -3.25               | 31.343      | 64.933 | 11.928         | 0.769      | 421.4       |
| 08/17/2020 | 2:00:00 AM  | -2.031              | 31.414      | 64.228 | 149.229        | 0.907      | 421.4       |
| 08/17/2020 | 3:00:00 AM  | -2.437              | 30.564      | 68.578 | 201.462        | 0.598      | 421.4       |
| 08/17/2020 | 4:00:00 AM  | -2.979              | 30.626      | 67     | 130.528        | 1.183      | 421.4       |
| 08/17/2020 | 5:00:00 AM  | -2.166              | 30.848      | 65.913 | 143.269        | 1.262      | 421.4       |
| 08/17/2020 | 6:00:00 AM  | 21.8                | 30.832      | 66.174 | 86.183         | 1.145      | 421.4       |
| 08/17/2020 | 7:00:00 AM  | 280.426             | 32.282      | 61.854 | 55.695         | 0.201      | 421.4       |



|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/17/2020 | 8:00:00 AM  | 518.064                            | 33.53               | 58.169      | 69.839                    | 0.794               | 421.4               |
| 08/17/2020 | 9:00:00 AM  | 493.961                            | 32.79               | 59.701      | 152.11                    | 0.881               | 421.4               |
| 08/17/2020 | 10:00:00 AM | 737.557                            | 34.675              | 55.03       | 151.764                   | 1.064               | 421.4               |
| 08/17/2020 | 11:00:00 AM | 400.396                            | 34.083              | 54.856      | 24.735                    | 0.206               | 421.4               |
| 08/17/2020 | 12:00:00 PM | 1161.242                           | 35.125              | 52.542      | 353.158                   | 0.329               | 421.4               |
| 08/17/2020 | 1:00:00 PM  | 1057.386                           | 35.636              | 51.662      | 194.415                   | 1.571               | 421.4               |
| 08/17/2020 | 2:00:00 PM  | 772.221                            | 35.338              | 51.698      | 143.315                   | 1.247               | 421.4               |
| 08/17/2020 | 3:00:00 PM  | 258.896                            | 34.858              | 54.411      | 140.67                    | 0.737               | 421.4               |
| 08/17/2020 | 4:00:00 PM  | 219.629                            | 34.973              | 53.562      | 204.128                   | 0.816               | 421.4               |
| 08/17/2020 | 5:00:00 PM  | 299.247                            | 33.707              | 57.455      | 82.859                    | 1.774               | 421.4               |
| 08/17/2020 | 6:00:00 PM  | 24.508                             | 33.126              | 57.704      | 71.174                    | 0.202               | 421.4               |
| 08/17/2020 | 7:00:00 PM  | -5.552                             | 32.38               | 60.282      | 210.77                    | 0.205               | 421.4               |
| 08/17/2020 | 8:00:00 PM  | -3.791                             | 32.142              | 61.464      | 142.709                   | 0.647               | 421.4               |
| 08/17/2020 | 9:00:00 PM  | -4.198                             | 31.971              | 61.043      | 230.802                   | 0.805               | 421.4               |
| 08/17/2020 | 10:00:00 PM | -3.521                             | 31.722              | 62.525      | 141.496                   | 1.584               | 421.4               |
| 08/17/2020 | 11:00:00 PM | -4.875                             | 31.756              | 62.663      | 17.594                    | 0.196               | 421.4               |
| 08/18/2020 | 12:00:00 AM | -4.062                             | 31.585              | 63.29       | 145.984                   | 0.603               | 421.4               |
| 08/18/2020 | 1:00:00 AM  | -4.468                             | 31.47               | 63.565      | 88.448                    | 0.201               | 421.4               |
| 08/18/2020 | 2:00:00 AM  | -3.114                             | 31.281              | 64.277      | 220.597                   | 0.206               | 421.4               |
| 08/18/2020 | 3:00:00 AM  | -2.979                             | 31.116              | 64.611      | 182.646                   | 2.085               | 421.4               |
| 08/18/2020 | 4:00:00 AM  | -4.333                             | 31.006              | 65.755      | 85.727                    | 0.959               | 421.4               |
| 08/18/2020 | 5:00:00 AM  | -5.281                             | 31.314              | 64.729      | 90.079                    | 0.198               | 421.4               |
| 08/18/2020 | 6:00:00 AM  | 29.112                             | 31.656              | 64.111      | 167.656                   | 0.565               | 421.4               |
| 08/18/2020 | 7:00:00 AM  | 52.267                             | 31.789              | 62.602      | 145.833                   | 3.349               | 421.4               |
| 08/18/2020 | 8:00:00 AM  | 112.116                            | 31.776              | 62.975      | 97.857                    | 0.923               | 421.4               |
| 08/18/2020 | 9:00:00 AM  | 138.25                             | 32.214              | 60.356      | 26.627                    | 0.201               | 421.4               |
| 08/18/2020 | 10:00:00 AM | 109.408                            | 31.324              | 63.424      | 154.477                   | 0.201               | 421.4               |
| 08/18/2020 | 11:00:00 AM | 403.916                            | 32.539              | 57.056      | 140.993                   | 0.79                | 421.4               |
| 08/18/2020 | 12:00:00 PM | 482.452                            | 33.77               | 52.973      | 92.827                    | 1.424               | 421.4               |
| 08/18/2020 | 1:00:00 PM  | 880.546                            | 35.717              | 47.34       | 17.573                    | 1.624               | 421.4               |
| 08/18/2020 | 2:00:00 PM  | 822.05                             | 36.17               | 48.006      | 52.061                    | 1.519               | 421.4               |
| 08/18/2020 | 3:00:00 PM  | 565.997                            | 35.473              | 52.341      | 127.12                    | 1.546               | 421.4               |
| 08/18/2020 | 4:00:00 PM  | 216.921                            | 34.509              | 55.266      | 148.744                   | 1.291               | 421.4               |
| 08/18/2020 | 5:00:00 PM  | 256.188                            | 34.138              | 56.608      | 22.839                    | 0.2                 | 421.4               |
| 08/18/2020 | 6:00:00 PM  | 16.79                              | 33.529              | 59.358      | 30.361                    | 0.199               | 421.4               |
| 08/18/2020 | 7:00:00 PM  | -2.437                             | 32.931              | 61.343      | 87.487                    | 2.185               | 421.4               |
| 08/18/2020 | 8:00:00 PM  | -3.791                             | 32.473              | 63.369      | 99.311                    | 0.375               | 421.4               |
| 08/18/2020 | 9:00:00 PM  | -3.114                             | 32.549              | 64.137      | 266.637                   | 0.205               | 421.4               |
| 08/18/2020 | 10:00:00 PM | -5.01                              | 32.296              | 64.716      | 193.648                   | 1.43                | 421.4               |
| 08/18/2020 | 11:00:00 PM | -3.521                             | 32.291              | 64.514      | 157.966                   | 2.327               | 421.4               |
| 08/19/2020 | 12:00:00 AM | -3.385                             | 32.439              | 64.465      | 153.197                   | 0.2                 | 421.4               |
| 08/19/2020 | 1:00:00 AM  | -5.822                             | 32.142              | 63.97       | 89.541                    | 1.392               | 421.4               |
| 08/19/2020 | 2:00:00 AM  | -4.062                             | 31.346              | 68.012      | 266.552                   | 1.344               | 421.4               |
| 08/19/2020 | 3:00:00 AM  | -4.198                             | 29.657              | 75.901      | 184.378                   | 0.989               | 421.4               |
| 08/19/2020 | 4:00:00 AM  | -2.979                             | 28.893              | 78.994      | 206.012                   | 0.622               | 421.4               |
| 08/19/2020 | 5:00:00 AM  | -3.791                             | 29.361              | 75.357      | 341.44                    | 0.209               | 421.4               |
| 08/19/2020 | 6:00:00 AM  | 37.507                             | 29.271              | 78.591      | 120.642                   | 0.199               | 421.4               |
| 08/19/2020 | 7:00:00 AM  | 287.602                            | 31.259              | 67.925      | 100.404                   | 0.587               | 421.4               |
| 08/19/2020 | 8:00:00 AM  | 518.605                            | 34.111              | 58.449      | 54.635                    | 0.964               | 421.4               |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/19/2020 | 9:00:00 AM  | 735.661                            | 34.982              | 51.76       | 150.403                   | 2.472               | 421.4               |
| 08/19/2020 | 10:00:00 AM | 898.419                            | 36.039              | 43.566      | 83.417                    | 1.17                | 421.4               |
| 08/19/2020 | 11:00:00 AM | 984.402                            | 36.943              | 41.181      | 262.131                   | 0.211               | 421.4               |
| 08/19/2020 | 12:00:00 PM | 992.933                            | 37.594              | 39.154      | 108.284                   | 0.517               | 421.4               |
| 08/19/2020 | 1:00:00 PM  | 951.769                            | 38.717              | 37.815      | 80.716                    | 0.702               | 421.4               |
| 08/19/2020 | 2:00:00 PM  | 835.32                             | 37.81               | 42.045      | 32.724                    | 0.77                | 421.4               |
| 08/19/2020 | 3:00:00 PM  | 650.626                            | 36.238              | 47.138      | 68.552                    | 1.04                | 421.4               |
| 08/19/2020 | 4:00:00 PM  | 414.342                            | 35.826              | 47.62       | 110.885                   | 3.302               | 421.4               |
| 08/19/2020 | 5:00:00 PM  | 165.06                             | 35.174              | 48.769      | 14.819                    | 1.027               | 421.4               |
| 08/19/2020 | 6:00:00 PM  | 17.197                             | 34.066              | 51.747      | 55.768                    | 0.956               | 421.4               |
| 08/19/2020 | 7:00:00 PM  | -6.77                              | 33.036              | 57.007      | 147.864                   | 1.776               | 421.4               |
| 08/19/2020 | 8:00:00 PM  | -7.989                             | 32.341              | 58.771      | 320.138                   | 0.212               | 421.4               |
| 08/19/2020 | 9:00:00 PM  | -7.041                             | 31.774              | 57.532      | 177.001                   | 0.41                | 421.4               |
| 08/19/2020 | 10:00:00 PM | -5.958                             | 31.647              | 61.604      | 146.421                   | 0.905               | 421.4               |
| 08/19/2020 | 11:00:00 PM | -6.364                             | 31.603              | 61.581      | 182.195                   | 0.318               | 421.4               |
| 08/20/2020 | 12:00:00 AM | -7.312                             | 31.63               | 62.105      | 131.267                   | 0.622               | 421.4               |
| 08/20/2020 | 1:00:00 AM  | -5.958                             | 31.428              | 64.473      | 175.155                   | 0.199               | 421.4               |
| 08/20/2020 | 2:00:00 AM  | -6.229                             | 31.094              | 66.221      | 203.182                   | 0.593               | 421.4               |
| 08/20/2020 | 3:00:00 AM  | -5.687                             | 30.339              | 65.438      | 122.595                   | 0.202               | 421.4               |
| 08/20/2020 | 4:00:00 AM  | -5.416                             | 29.726              | 71.33       | 116.715                   | 0.609               | 421.4               |
| 08/20/2020 | 5:00:00 AM  | -5.687                             | 29.285              | 73.232      | 140.248                   | 0.202               | 421.4               |
| 08/20/2020 | 6:00:00 AM  | 40.351                             | 29.146              | 71.866      | 211.89                    | 0.775               | 421.4               |
| 08/20/2020 | 7:00:00 AM  | 251.72                             | 31.212              | 65.515      | 147.55                    | 0.704               | 421.4               |
| 08/20/2020 | 8:00:00 AM  | 491.118                            | 35.05               | 54.099      | 355.104                   | 0.212               | 421.4               |
| 08/20/2020 | 9:00:00 AM  | 699.101                            | 35.644              | 46.747      | 99.337                    | 0.821               | 421.4               |
| 08/20/2020 | 10:00:00 AM | 875.4                              | 36.202              | 41.882      | 88.63                     | 0.82                | 421.4               |
| 08/20/2020 | 11:00:00 AM | 959.758                            | 36.822              | 39.318      | 99.436                    | 0.549               | 421.4               |
| 08/20/2020 | 12:00:00 PM | 991.849                            | 36.509              | 45.257      | 160.637                   | 1.307               | 421.4               |
| 08/20/2020 | 1:00:00 PM  | 952.582                            | 37.098              | 46.186      | 354.581                   | 0.957               | 421.4               |
| 08/20/2020 | 2:00:00 PM  | 843.173                            | 37.326              | 45.005      | 334.816                   | 0.213               | 421.4               |
| 08/20/2020 | 3:00:00 PM  | 666.604                            | 36.229              | 48.107      | 101.247                   | 0.704               | 421.4               |
| 08/20/2020 | 4:00:00 PM  | 408.385                            | 35.821              | 49.972      | 210.734                   | 0.678               | 421.4               |
| 08/20/2020 | 5:00:00 PM  | 181.309                            | 35.116              | 52.072      | 25.054                    | 0.499               | 421.4               |
| 08/20/2020 | 6:00:00 PM  | 11.78                              | 34.06               | 55.83       | 111.567                   | 0.201               | 421.4               |
| 08/20/2020 | 7:00:00 PM  | -4.604                             | 33.256              | 58.116      | 126.968                   | 1.438               | 421.4               |
| 08/20/2020 | 8:00:00 PM  | -5.958                             | 32.945              | 59.826      | 3.847                     | 0.183               | 421.4               |
| 08/20/2020 | 9:00:00 PM  | -7.041                             | 32.632              | 62.389      | 229.268                   | 0.835               | 421.4               |
| 08/20/2020 | 10:00:00 PM | -6.093                             | 32.388              | 63.636      | 80.976                    | 0.874               | 421.4               |
| 08/20/2020 | 11:00:00 PM | -6.77                              | 32.247              | 64.46       | 347.34                    | 0.211               | 421.4               |
| 08/21/2020 | 12:00:00 AM | -5.687                             | 32.046              | 65.26       | 85.943                    | 0.198               | 421.4               |
| 08/21/2020 | 1:00:00 AM  | -4.604                             | 31.758              | 67.615      | 160.769                   | 0.204               | 421.4               |
| 08/21/2020 | 2:00:00 AM  | -3.656                             | 30.62               | 73.495      | 91.716                    | 0.996               | 421.5               |
| 08/21/2020 | 3:00:00 AM  | -4.062                             | 29.897              | 77.836      | 194.82                    | 0.537               | 421.5               |
| 08/21/2020 | 4:00:00 AM  | -5.01                              | 29.595              | 78.739      | 345.27                    | 0.209               | 421.5               |
| 08/21/2020 | 5:00:00 AM  | -5.687                             | 30.5                | 72.611      | 150.242                   | 0.202               | 421.5               |
| 08/21/2020 | 6:00:00 AM  | 22.207                             | 31.044              | 69.939      | 134.888                   | 0.953               | 421.5               |
| 08/21/2020 | 7:00:00 AM  | 280.697                            | 32.816              | 62.739      | 36.948                    | 0.968               | 421.5               |
| 08/21/2020 | 8:00:00 AM  | 490.982                            | 34.412              | 58.41       | 159.668                   | 1.483               | 421.5               |
| 08/21/2020 | 9:00:00 AM  | 748.525                            | 35.226              | 52.692      | 87.671                    | 1.435               | 421.5               |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/21/2020 | 10:00:00 AM | 743.244                            | 35.08               | 54.968      | 113.718                   | 1.236               | 421.5               |
| 08/21/2020 | 11:00:00 AM | 571.955                            | 34.444              | 56.261      | 330.285                   | 0.453               | 421.5               |
| 08/21/2020 | 12:00:00 PM | 638.575                            | 34.91               | 55.058      | 355.277                   | 0.644               | 421.5               |
| 08/21/2020 | 1:00:00 PM  | 763.013                            | 36.159              | 50.47       | 118.47                    | 1.451               | 421.5               |
| 08/21/2020 | 2:00:00 PM  | 864.703                            | 36.66               | 46.328      | 208.392                   | 0.76                | 421.5               |
| 08/21/2020 | 3:00:00 PM  | 684.748                            | 35.949              | 47.763      | 138.361                   | 0.993               | 421.5               |
| 08/21/2020 | 4:00:00 PM  | 477.713                            | 34.246              | 55.146      | 2.442                     | 1.796               | 421.5               |
| 08/21/2020 | 5:00:00 PM  | 208.932                            | 33.112              | 56.93       | 88.517                    | 0.911               | 421.5               |
| 08/21/2020 | 6:00:00 PM  | 11.374                             | 32.38               | 58.412      | 40.861                    | 0.408               | 421.5               |
| 08/21/2020 | 7:00:00 PM  | -5.687                             | 31.763              | 60.018      | 31.067                    | 0.541               | 421.5               |
| 08/21/2020 | 8:00:00 PM  | -7.718                             | 31.452              | 60.981      | 126.275                   | 0.904               | 421.5               |
| 08/21/2020 | 9:00:00 PM  | -7.583                             | 31.671              | 61.263      | 59.081                    | 0.198               | 421.5               |
| 08/21/2020 | 10:00:00 PM | -6.635                             | 31.438              | 61.924      | 143.479                   | 0.287               | 421.5               |
| 08/21/2020 | 11:00:00 PM | -6.635                             | 31.619              | 63.205      | 131.911                   | 1.37                | 421.5               |
| 08/22/2020 | 12:00:00 AM | -9.749                             | 30.967              | 67.649      | 155.639                   | 1.48                | 421.5               |
| 08/22/2020 | 1:00:00 AM  | -4.062                             | 29.865              | 76.084      | 86.351                    | 0.712               | 421.5               |
| 08/22/2020 | 2:00:00 AM  | -4.875                             | 29.251              | 74.626      | 18.332                    | 0.49                | 421.5               |
| 08/22/2020 | 3:00:00 AM  | -2.573                             | 28.637              | 80.525      | 102.85                    | 0.204               | 421.6               |
| 08/22/2020 | 4:00:00 AM  | -4.062                             | 28.627              | 81.647      | 73.212                    | 0.208               | 421.6               |
| 08/22/2020 | 5:00:00 AM  | -0.135                             | 27.87               | 88.42       | 114.744                   | 0.886               | 422.3               |
| 08/22/2020 | 6:00:00 AM  | 32.633                             | 28.21               | 84.44       | 168.567                   | 0.202               | 422.3               |
| 08/22/2020 | 7:00:00 AM  | 719.277                            | 31.059              | 81.277      | 176.22                    | 0.207               | 0                   |
| 08/22/2020 | 8:00:00 AM  | 56.871                             | 30.328              | 82.716      | 86.972                    | 0.776               | 1.5                 |
| 08/22/2020 | 9:00:00 AM  | 821.238                            | 31.797              | 74.929      | 307.682                   | 0.21                | 2.3                 |
| 08/22/2020 | 10:00:00 AM | 245.22                             | 31.28               | 78.464      | 113.341                   | 0.249               | 2.5                 |
| 08/22/2020 | 11:00:00 AM | 215.973                            | 30.861              | 77.313      | 269.169                   | 0.207               | 2.7                 |
| 08/22/2020 | 12:00:00 PM | 119.97                             | 29.226              | 88.179      | 47.963                    | 0.197               | 5.4                 |
| 08/22/2020 | 1:00:00 PM  | 79.619                             | 29.616              | 85.909      | 267.062                   | 0.204               | 6.5                 |
| 08/22/2020 | 2:00:00 PM  | 2.302                              | 28.717              | 88.091      | 55.284                    | 0.962               | 9.5                 |
| 08/22/2020 | 3:00:00 PM  | -0.677                             | 29.139              | 88.404      | 354.262                   | 0.211               | 11.1                |
| 08/22/2020 | 4:00:00 PM  | 1.625                              | 28.577              | 88.355      | 91.069                    | 0.54                | 11.5                |
| 08/22/2020 | 5:00:00 PM  | 0.677                              | 28.517              | 90.747      | 247.162                   | 1.003               | 12.8                |
| 08/22/2020 | 6:00:00 PM  | -2.031                             | 28.59               | 88.696      | 260.31                    | 1.513               | 12.9                |
| 08/22/2020 | 7:00:00 PM  | 1.896                              | 28.555              | 87.247      | 272.269                   | 1.675               | 12.9                |
| 08/22/2020 | 8:00:00 PM  | -2.708                             | 28.624              | 85.018      | 239.047                   | 1.498               | 13                  |
| 08/22/2020 | 9:00:00 PM  | -2.031                             | 28.439              | 83.03       | 279.229                   | 1.425               | 13                  |
| 08/22/2020 | 10:00:00 PM | -1.625                             | 27.556              | 90.422      | 287.768                   | 1.425               | 13.9                |
| 08/22/2020 | 11:00:00 PM | -1.219                             | 27.977              | 91.671      | 326.246                   | 0.729               | 15.7                |
| 08/23/2020 | 12:00:00 AM | 0                                  | 27.737              | 90.333      | 352.517                   | 0.302               | 16.3                |
| 08/23/2020 | 1:00:00 AM  | -0.948                             | 27.739              | 89.537      | 303.742                   | 1.419               | 16.3                |
| 08/23/2020 | 2:00:00 AM  | 59.443                             | 28.242              | 88.009      | 300.022                   | 0.205               | 16.3                |
| 08/23/2020 | 3:00:00 AM  | 225.586                            | 29.052              | 87.774      | 289.88                    | 1.517               | 16.4                |
| 08/23/2020 | 4:00:00 AM  | 166.008                            | 30.988              | 77.814      | 10.923                    | 0.587               | 16.4                |
| 08/23/2020 | 5:00:00 AM  | 335.672                            | 30.735              | 76.063      | 240.767                   | 0.733               | 16.4                |
| 08/23/2020 | 6:00:00 AM  | 62.016                             | 30.753              | 76.047      | 289.588                   | 1.672               | 16.4                |
| 08/23/2020 | 7:00:00 AM  | 535.937                            | 32.343              | 62.545      | 192.98                    | 0.899               | 16.4                |
| 08/23/2020 | 8:00:00 AM  | 607.567                            | 33.329              | 57.491      | 64.426                    | 1.01                | 16.4                |
| 08/23/2020 | 9:00:00 AM  | 537.697                            | 34.079              | 54.517      | 37.828                    | 0.198               | 16.4                |
| 08/23/2020 | 10:00:00 AM | 168.851                            | 33.795              | 52.569      | 66.824                    | 0.903               | 16.4                |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/23/2020 | 11:00:00 AM | 700.455                            | 34.765              | 49.881      | 116.763                   | 0.202               | 16.4                |
| 08/23/2020 | 12:00:00 PM | 383.876                            | 34.853              | 49.262      | 61.273                    | 0.202               | 16.4                |
| 08/23/2020 | 1:00:00 PM  | 168.445                            | 33.827              | 51.255      | 61.157                    | 0.285               | 16.4                |
| 08/23/2020 | 2:00:00 PM  | -1.083                             | 32.777              | 55.732      | 38.62                     | 0.765               | 16.4                |
| 08/23/2020 | 3:00:00 PM  | -4.198                             | 31.873              | 61.112      | 134.393                   | 1.314               | 16.4                |
| 08/23/2020 | 4:00:00 PM  | -4.333                             | 31.534              | 63.522      | 76.376                    | 0.744               | 16.4                |
| 08/23/2020 | 5:00:00 PM  | -5.416                             | 31.356              | 64.286      | 253.947                   | 0.948               | 16.4                |
| 08/23/2020 | 6:00:00 PM  | -2.844                             | 30.666              | 70.715      | 282.557                   | 0.202               | 16.4                |
| 08/23/2020 | 7:00:00 PM  | -2.708                             | 30.597              | 72.867      | 230.236                   | 0.206               | 16.4                |
| 08/23/2020 | 8:00:00 PM  | -4.062                             | 30.405              | 73.725      | 50.906                    | 0.321               | 16.4                |
| 08/23/2020 | 9:00:00 PM  | -3.385                             | 30.123              | 73.058      | 236.09                    | 1.046               | 16.4                |
| 08/23/2020 | 10:00:00 PM | -4.468                             | 29.75               | 73.163      | 166.875                   | 3.367               | 16.4                |
| 08/23/2020 | 11:00:00 PM | -2.844                             | 29.436              | 74.066      | 347.279                   | 1.687               | 16.4                |
| 08/24/2020 | 12:00:00 AM | -3.114                             | 29.519              | 71.976      | 273.953                   | 0.206               | 16.4                |
| 08/24/2020 | 1:00:00 AM  | -4.739                             | 29.548              | 70.505      | 253.592                   | 1.536               | 16.4                |
| 08/24/2020 | 2:00:00 AM  | 35.612                             | 29.428              | 70.509      | 293.333                   | 0.799               | 16.4                |
| 08/24/2020 | 3:00:00 AM  | 162.893                            | 31.589              | 63.267      | 147.555                   | 0.202               | 16.4                |
| 08/24/2020 | 4:00:00 AM  | 404.864                            | 31.682              | 63.074      | 217.414                   | 0.205               | 16.4                |
| 08/24/2020 | 5:00:00 AM  | 310.486                            | 32.988              | 56.601      | 191.742                   | 2.199               | 16.4                |
| 08/24/2020 | 6:00:00 AM  | 619.076                            | 34.287              | 54.659      | 274.486                   | 1.64                | 16.4                |
| 08/24/2020 | 7:00:00 AM  | 679.197                            | 35.679              | 51.706      | 302.282                   | 2.323               | 16.4                |
| 08/24/2020 | 8:00:00 AM  | 826.112                            | 36.989              | 49.714      | 49.632                    | 0.637               | 16.4                |
| 08/24/2020 | 9:00:00 AM  | 947.301                            | 38.162              | 43.724      | 42.488                    | 0.204               | 16.4                |
| 08/24/2020 | 10:00:00 AM | 718.194                            | 38.37               | 41.604      | 284.806                   | 0.212               | 16.4                |
| 08/24/2020 | 11:00:00 AM | 526.323                            | 38.189              | 43.657      | 291.891                   | 0.921               | 16.4                |
| 08/24/2020 | 12:00:00 PM | 369.252                            | 37.885              | 42.275      | 272.667                   | 1.132               | 16.4                |
| 08/24/2020 | 1:00:00 PM  | 93.566                             | 35.954              | 54.539      | 253.05                    | 0.209               | 16.4                |
| 08/24/2020 | 2:00:00 PM  | -3.791                             | 34.811              | 61.746      | 133.309                   | 0.994               | 16.4                |
| 08/24/2020 | 3:00:00 PM  | -3.656                             | 33.88               | 66.486      | 173.992                   | 0.202               | 16.4                |
| 08/24/2020 | 4:00:00 PM  | -5.145                             | 32.964              | 71.643      | 69.098                    | 0.232               | 16.4                |
| 08/24/2020 | 5:00:00 PM  | -4.333                             | 32.563              | 73.777      | 250.148                   | 1.607               | 16.4                |
| 08/24/2020 | 6:00:00 PM  | -3.521                             | 31.927              | 75.118      | 229.182                   | 1.794               | 16.4                |
| 08/24/2020 | 7:00:00 PM  | -2.708                             | 31.124              | 76.42       | 16.222                    | 0.282               | 16.4                |
| 08/24/2020 | 8:00:00 PM  | -1.219                             | 30.294              | 72.825      | 228.674                   | 1.906               | 16.4                |
| 08/24/2020 | 9:00:00 PM  | -3.114                             | 29.762              | 75.799      | 185.392                   | 0.771               | 16.4                |
| 08/24/2020 | 10:00:00 PM | -3.521                             | 29.778              | 77.584      | 320.06                    | 0.703               | 16.4                |
| 08/24/2020 | 11:00:00 PM | -3.927                             | 28.963              | 78.7        | 167.606                   | 0.905               | 16.4                |
| 08/25/2020 | 12:00:00 AM | -2.302                             | 28.671              | 77.963      | 44.405                    | 0.196               | 16.4                |
| 08/25/2020 | 1:00:00 AM  | -2.573                             | 28.284              | 79.169      | 106.232                   | 0.599               | 16.4                |
| 08/25/2020 | 2:00:00 AM  | 80.296                             | 28.378              | 77.462      | 224.327                   | 1.012               | 16.4                |
| 08/25/2020 | 3:00:00 AM  | 334.318                            | 31.039              | 67.767      | 255.228                   | 0.208               | 16.4                |
| 08/25/2020 | 4:00:00 AM  | 502.898                            | 33.334              | 61.001      | 258.184                   | 0.694               | 16.4                |
| 08/25/2020 | 5:00:00 AM  | 739.994                            | 35.234              | 54.654      | 257.149                   | 1.059               | 16.4                |
| 08/25/2020 | 6:00:00 AM  | 887.18                             | 36.197              | 52.506      | 261.058                   | 1.12                | 16.4                |
| 08/25/2020 | 7:00:00 AM  | 955.154                            | 37.618              | 45.499      | 283.534                   | 1.064               | 16.4                |
| 08/25/2020 | 8:00:00 AM  | 962.06                             | 38.878              | 39.629      | 332.317                   | 1.156               | 16.4                |
| 08/25/2020 | 9:00:00 AM  | 901.533                            | 39.227              | 36.779      | 209.33                    | 1.267               | 16.4                |
| 08/25/2020 | 10:00:00 AM | 767.752                            | 38.971              | 39.153      | 244.862                   | 2.68                | 16.4                |
| 08/25/2020 | 11:00:00 AM | 547.04                             | 39.03               | 41.038      | 326.153                   | 0.54                | 16.4                |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/25/2020 | 12:00:00 PM | 352.868                            | 39.309              | 43.049      | 71.845                    | 0.596               | 16.4                |
| 08/25/2020 | 1:00:00 PM  | 117.803                            | 37.806              | 51.334      | 306.684                   | 0.212               | 16.4                |
| 08/25/2020 | 2:00:00 PM  | -1.083                             | 35.853              | 58.029      | 154.296                   | 0.738               | 16.4                |
| 08/25/2020 | 3:00:00 PM  | -2.437                             | 34.833              | 62.735      | 255.178                   | 1.188               | 16.4                |
| 08/25/2020 | 4:00:00 PM  | -4.468                             | 33.791              | 67.696      | 75.831                    | 0.56                | 16.4                |
| 08/25/2020 | 5:00:00 PM  | -4.468                             | 33.235              | 67.534      | 247.474                   | 1.553               | 16.4                |
| 08/25/2020 | 6:00:00 PM  | -3.791                             | 32.228              | 66.781      | 271.575                   | 0.206               | 16.4                |
| 08/25/2020 | 7:00:00 PM  | -3.25                              | 31.382              | 70.83       | 245.415                   | 3.461               | 16.4                |
| 08/25/2020 | 8:00:00 PM  | -2.166                             | 31.267              | 69.196      | 271.021                   | 1.737               | 16.4                |
| 08/25/2020 | 9:00:00 PM  | -3.521                             | 30.436              | 72.388      | 303.082                   | 0.928               | 16.4                |
| 08/25/2020 | 10:00:00 PM | -2.573                             | 29.65               | 78.158      | 257.084                   | 1.53                | 16.4                |
| 08/25/2020 | 11:00:00 PM | -3.656                             | 29.286              | 79.198      | 205.272                   | 0.204               | 16.4                |
| 08/26/2020 | 12:00:00 AM | -4.333                             | 29.441              | 77.789      | 208.771                   | 0.773               | 16.4                |
| 08/26/2020 | 1:00:00 AM  | -3.25                              | 29.305              | 78.853      | 243.14                    | 1.032               | 16.4                |
| 08/26/2020 | 2:00:00 AM  | 93.836                             | 29.337              | 80.2        | 143.556                   | 0.2                 | 16.4                |
| 08/26/2020 | 3:00:00 AM  | 304.799                            | 32.612              | 66.648      | 324.043                   | 0.214               | 16.4                |
| 08/26/2020 | 4:00:00 AM  | 545.009                            | 34.587              | 56.243      | 125.957                   | 0.203               | 16.4                |
| 08/26/2020 | 5:00:00 AM  | 742.702                            | 34.709              | 52.617      | 238.805                   | 3.709               | 16.4                |
| 08/26/2020 | 6:00:00 AM  | 872.015                            | 36.298              | 49.434      | 247.023                   | 3.957               | 16.4                |
| 08/26/2020 | 7:00:00 AM  | 973.434                            | 37.909              | 45.225      | 310.321                   | 2.037               | 16.4                |
| 08/26/2020 | 8:00:00 AM  | 975.194                            | 38.611              | 44.466      | 280.139                   | 2.679               | 16.4                |
| 08/26/2020 | 9:00:00 AM  | 555.029                            | 39.792              | 39.679      | 242.79                    | 0.516               | 16.4                |
| 08/26/2020 | 10:00:00 AM | 103.315                            | 30.355              | 67.584      | 173.332                   | 0.397               | 16.4                |
| 08/26/2020 | 11:00:00 AM | 220.576                            | 30.704              | 81.349      | 100.276                   | 1.003               | 18.3                |
| 08/26/2020 | 12:00:00 PM | 408.791                            | 32.276              | 67.452      | 262.391                   | 0.209               | 18.4                |
| 08/26/2020 | 1:00:00 PM  | 132.969                            | 33.202              | 62.271      | 220.716                   | 0.987               | 18.4                |
| 08/26/2020 | 2:00:00 PM  | -3.25                              | 31.873              | 69.858      | 136.156                   | 0.939               | 18.4                |
| 08/26/2020 | 3:00:00 PM  | -5.552                             | 30.841              | 71.924      | 236.673                   | 4.667               | 18.4                |
| 08/26/2020 | 4:00:00 PM  | -2.573                             | 30.609              | 72.606      | 128.867                   | 0.201               | 18.4                |
| 08/26/2020 | 5:00:00 PM  | -1.76                              | 30.187              | 73.852      | 223.648                   | 1.876               | 18.4                |
| 08/26/2020 | 6:00:00 PM  | -2.302                             | 30.048              | 72.654      | 234.764                   | 1.975               | 18.4                |
| 08/26/2020 | 7:00:00 PM  | -3.114                             | 29.648              | 75.205      | 133.817                   | 0.89                | 18.4                |
| 08/26/2020 | 8:00:00 PM  | -2.844                             | 29.262              | 75.518      | 6.379                     | 0.189               | 18.4                |
| 08/26/2020 | 9:00:00 PM  | -2.979                             | 28.751              | 76.32       | 251.02                    | 1.318               | 18.4                |
| 08/26/2020 | 10:00:00 PM | -1.896                             | 28.717              | 75.168      | 318.647                   | 0.21                | 18.4                |
| 08/26/2020 | 11:00:00 PM | -3.25                              | 28.514              | 77.465      | 148.072                   | 0.588               | 18.4                |
| 08/27/2020 | 12:00:00 AM | -2.302                             | 28.364              | 78.069      | 108.819                   | 0.203               | 18.4                |
| 08/27/2020 | 1:00:00 AM  | -4.062                             | 28.251              | 78.568      | 213.133                   | 0.478               | 18.4                |
| 08/27/2020 | 2:00:00 AM  | 78.265                             | 28.58               | 77.704      | 317.897                   | 1.518               | 18.4                |
| 08/27/2020 | 3:00:00 AM  | 313.736                            | 30.426              | 69.909      | 236.533                   | 0.75                | 18.4                |
| 08/27/2020 | 4:00:00 AM  | 571.143                            | 33.492              | 59.71       | 121.215                   | 0.963               | 18.4                |
| 08/27/2020 | 5:00:00 AM  | 668.364                            | 35.323              | 53.934      | 68.613                    | 0.2                 | 18.4                |
| 08/27/2020 | 6:00:00 AM  | 834.372                            | 36.202              | 51.818      | 140.778                   | 0.204               | 18.4                |
| 08/27/2020 | 7:00:00 AM  | 320.777                            | 36.966              | 51.608      | 72.905                    | 0.202               | 18.4                |
| 08/27/2020 | 8:00:00 AM  | 35.747                             | 33.281              | 63.461      | 211.429                   | 0.757               | 18.4                |
| 08/27/2020 | 9:00:00 AM  | 80.431                             | 29.6                | 89.386      | 183.945                   | 0.201               | 24.9                |
| 08/27/2020 | 10:00:00 AM | 23.967                             | 29.461              | 90.434      | 45.206                    | 0.201               | 26.5                |
| 08/27/2020 | 11:00:00 AM | 18.551                             | 27.849              | 96.133      | 136.332                   | 0.201               | 61.3                |
| 08/27/2020 | 12:00:00 PM | 43.33                              | 28.035              | 96.777      | 131.204                   | 0.81                | 71.3                |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/27/2020 | 1:00:00 PM  | 8.124                              | 27.711              | 93.845      | 324.116                   | 0.208               | 74.8                |
| 08/27/2020 | 2:00:00 PM  | 0.406                              | 27.649              | 94.148      | 257.561                   | 0.989               | 81.5                |
| 08/27/2020 | 3:00:00 PM  | -0.948                             | 27.51               | 93.819      | 151.21                    | 0.529               | 83.4                |
| 08/27/2020 | 4:00:00 PM  | 1.219                              | 28.166              | 90.807      | 178.108                   | 0.203               | 83.4                |
| 08/27/2020 | 5:00:00 PM  | -0.406                             | 27.856              | 89.292      | 149.108                   | 0.201               | 83.4                |
| 08/27/2020 | 6:00:00 PM  | -0.542                             | 27.846              | 88.853      | 126.174                   | 0.199               | 83.4                |
| 08/27/2020 | 7:00:00 PM  | -1.354                             | 28.124              | 88.513      | 113.888                   | 0.199               | 83.5                |
| 08/27/2020 | 8:00:00 PM  | -1.76                              | 27.903              | 89.581      | 294.146                   | 0.883               | 83.6                |
| 08/27/2020 | 9:00:00 PM  | -0.948                             | 27.916              | 87.736      | 255.774                   | 1.363               | 83.6                |
| 08/27/2020 | 10:00:00 PM | -1.625                             | 27.942              | 88.633      | 176.557                   | 0.198               | 83.6                |
| 08/27/2020 | 11:00:00 PM | -0.406                             | 27.953              | 86.896      | 224.238                   | 0.204               | 83.6                |
| 08/28/2020 | 12:00:00 AM | -0.948                             | 28.051              | 88.331      | 164.565                   | 0.201               | 83.6                |
| 08/28/2020 | 1:00:00 AM  | -1.896                             | 28.202              | 87.186      | 123.887                   | 0.476               | 83.6                |
| 08/28/2020 | 2:00:00 AM  | -0.135                             | 27.987              | 88.718      | 355.52                    | 0.21                | 83.6                |
| 08/28/2020 | 3:00:00 AM  | 0.406                              | 27.866              | 87.114      | 216.42                    | 0.199               | 83.6                |
| 08/28/2020 | 4:00:00 AM  | -2.166                             | 27.431              | 89.962      | 244.44                    | 0.203               | 83.6                |
| 08/28/2020 | 5:00:00 AM  | -0.271                             | 27.806              | 88.852      | 123.104                   | 0.845               | 83.6                |
| 08/28/2020 | 6:00:00 AM  | 40.893                             | 27.614              | 88.412      | 201.144                   | 0.2                 | 83.6                |
| 08/28/2020 | 7:00:00 AM  | 149.217                            | 28.75               | 85.419      | 113.305                   | 0.199               | 83.6                |
| 08/28/2020 | 8:00:00 AM  | 337.296                            | 31.034              | 74.591      | 2.417                     | 0.185               | 83.6                |
| 08/28/2020 | 9:00:00 AM  | 320.777                            | 32.432              | 66.51       | 252.963                   | 1.86                | 83.6                |
| 08/28/2020 | 10:00:00 AM | 481.368                            | 34.517              | 54.95       | 185.55                    | 0.207               | 83.6                |
| 08/28/2020 | 11:00:00 AM | 1015.681                           | 36.577              | 50.456      | 134.012                   | 0.205               | 83.6                |
| 08/28/2020 | 12:00:00 PM | 386.043                            | 36.518              | 53.866      | 69.109                    | 0.198               | 83.6                |
| 08/28/2020 | 1:00:00 PM  | 794.021                            | 35.721              | 54.107      | 93.497                    | 0.212               | 83.6                |
| 08/28/2020 | 2:00:00 PM  | 798.354                            | 36.527              | 52.14       | 146.908                   | 0.206               | 83.6                |
| 08/28/2020 | 3:00:00 PM  | 189.975                            | 35.817              | 55.952      | 227.338                   | 0.481               | 83.6                |
| 08/28/2020 | 4:00:00 PM  | 137.302                            | 33.914              | 63.657      | 319.966                   | 0.762               | 83.6                |
| 08/28/2020 | 5:00:00 PM  | 28.706                             | 33.193              | 65.784      | 13.344                    | 0.196               | 83.6                |
| 08/28/2020 | 6:00:00 PM  | 17.061                             | 32.777              | 65.791      | 224.944                   | 0.205               | 83.6                |
| 08/28/2020 | 7:00:00 PM  | -3.521                             | 32.218              | 69.099      | 162.533                   | 0.202               | 83.6                |
| 08/28/2020 | 8:00:00 PM  | -4.604                             | 31.436              | 75.118      | 265.558                   | 0.206               | 83.6                |
| 08/28/2020 | 9:00:00 PM  | -5.822                             | 30.71               | 75.799      | 255.562                   | 0.741               | 83.6                |
| 08/28/2020 | 10:00:00 PM | -3.927                             | 29.831              | 81.671      | 218.314                   | 1.31                | 83.6                |
| 08/28/2020 | 11:00:00 PM | -2.573                             | 29.875              | 77.948      | 261.173                   | 1.545               | 83.6                |
| 08/29/2020 | 12:00:00 AM | -3.656                             | 29.305              | 80.154      | 219.323                   | 0.703               | 83.6                |
| 08/29/2020 | 1:00:00 AM  | -3.656                             | 29.383              | 81.352      | 53.767                    | 0.198               | 83.6                |
| 08/29/2020 | 2:00:00 AM  | -1.489                             | 28.857              | 81.321      | 252.638                   | 0.204               | 83.6                |
| 08/29/2020 | 3:00:00 AM  | -1.896                             | 29.226              | 80.639      | 94.739                    | 0.2                 | 83.6                |
| 08/29/2020 | 4:00:00 AM  | -1.354                             | 28.844              | 81.561      | 249.925                   | 0.775               | 83.6                |
| 08/29/2020 | 5:00:00 AM  | -2.708                             | 28.884              | 83.35       | 102.329                   | 0.201               | 83.6                |
| 08/29/2020 | 6:00:00 AM  | 24.508                             | 28.843              | 82.707      | 185.461                   | 0.201               | 83.6                |
| 08/29/2020 | 7:00:00 AM  | 263.365                            | 31.374              | 72.518      | 311.445                   | 0.209               | 83.6                |
| 08/29/2020 | 8:00:00 AM  | 366.544                            | 33.513              | 63.4        | 270.538                   | 1.199               | 83.6                |
| 08/29/2020 | 9:00:00 AM  | 296.945                            | 34.579              | 60.517      | 269.206                   | 0.582               | 83.6                |
| 08/29/2020 | 10:00:00 AM | 502.221                            | 34.299              | 62.069      | 60.995                    | 0.199               | 83.6                |
| 08/29/2020 | 11:00:00 AM | 568.976                            | 35.779              | 57.535      | 133.382                   | 1.203               | 83.6                |
| 08/29/2020 | 12:00:00 PM | 160.998                            | 32.706              | 66.889      | 237.859                   | 0.209               | 83.6                |
| 08/29/2020 | 1:00:00 PM  | 268.51                             | 31.997              | 72.551      | 77.806                    | 0.201               | 83.6                |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/29/2020 | 2:00:00 PM  | 215.16                             | 32.029              | 74.07       | 185.556                   | 0.465               | 83.6                |
| 08/29/2020 | 3:00:00 PM  | 175.486                            | 32.043              | 73.256      | 187.323                   | 1.209               | 83.6                |
| 08/29/2020 | 4:00:00 PM  | 145.426                            | 32.138              | 74.058      | 130.667                   | 0.225               | 83.6                |
| 08/29/2020 | 5:00:00 PM  | 87.608                             | 32.025              | 76.777      | 157.805                   | 0.982               | 83.6                |
| 08/29/2020 | 6:00:00 PM  | 9.343                              | 31.494              | 77.209      | 72.781                    | 0.831               | 83.6                |
| 08/29/2020 | 7:00:00 PM  | -4.198                             | 31.584              | 73.051      | 264.827                   | 0.205               | 83.6                |
| 08/29/2020 | 8:00:00 PM  | -2.844                             | 31.939              | 68.731      | 254.976                   | 0.242               | 83.6                |
| 08/29/2020 | 9:00:00 PM  | -2.437                             | 31.994              | 67.222      | 148.268                   | 0.699               | 83.6                |
| 08/29/2020 | 10:00:00 PM | -4.333                             | 31.819              | 66.507      | 134.133                   | 0.676               | 83.6                |
| 08/29/2020 | 11:00:00 PM | -5.281                             | 31.558              | 68.297      | 241.542                   | 0.429               | 83.6                |
| 08/30/2020 | 12:00:00 AM | -5.281                             | 31.35               | 68.707      | 127.6                     | 0.867               | 83.6                |
| 08/30/2020 | 1:00:00 AM  | -2.844                             | 31.438              | 68.022      | 100.511                   | 0.204               | 83.6                |
| 08/30/2020 | 2:00:00 AM  | -3.927                             | 31.082              | 70.366      | 121.378                   | 0.72                | 83.6                |
| 08/30/2020 | 3:00:00 AM  | -2.031                             | 30.337              | 75.617      | 108.797                   | 0.773               | 83.6                |
| 08/30/2020 | 4:00:00 AM  | -3.927                             | 30.003              | 77.569      | 86.572                    | 0.197               | 83.6                |
| 08/30/2020 | 5:00:00 AM  | -4.062                             | 29.612              | 81.389      | 133.075                   | 0.2                 | 83.6                |
| 08/30/2020 | 6:00:00 AM  | 44.819                             | 29.617              | 82.871      | 330.054                   | 0.208               | 83.6                |
| 08/30/2020 | 7:00:00 AM  | 398.635                            | 31.552              | 71.689      | 230.73                    | 0.207               | 83.6                |
| 08/30/2020 | 8:00:00 AM  | 602.828                            | 33.887              | 64.032      | 164.138                   | 0.207               | 83.6                |
| 08/30/2020 | 9:00:00 AM  | 293.425                            | 33.398              | 61.504      | 30.501                    | 1.127               | 83.6                |
| 08/30/2020 | 10:00:00 AM | 925.636                            | 33.388              | 63.48       | 21.651                    | 0.521               | 83.6                |
| 08/30/2020 | 11:00:00 AM | 1074.989                           | 37.128              | 52.114      | 328.342                   | 0.214               | 83.6                |
| 08/30/2020 | 12:00:00 PM | 1022.451                           | 36.616              | 55.706      | 121.625                   | 0.879               | 83.6                |
| 08/30/2020 | 1:00:00 PM  | 839.517                            | 35.831              | 59.555      | 143.151                   | 1.006               | 83.6                |
| 08/30/2020 | 2:00:00 PM  | 846.829                            | 36.88               | 55.564      | 23.249                    | 0.901               | 83.6                |
| 08/30/2020 | 3:00:00 PM  | 668.229                            | 36.344              | 57.865      | 121.47                    | 0.203               | 83.6                |
| 08/30/2020 | 4:00:00 PM  | 450.496                            | 35.05               | 58.151      | 310.664                   | 1.167               | 83.6                |
| 08/30/2020 | 5:00:00 PM  | 208.661                            | 34.053              | 54.763      | 37.949                    | 0.202               | 83.6                |
| 08/30/2020 | 6:00:00 PM  | 6.635                              | 33.008              | 61.324      | 341.037                   | 0.211               | 83.6                |
| 08/30/2020 | 7:00:00 PM  | -3.114                             | 32.234              | 66.021      | 87.857                    | 0.625               | 83.6                |
| 08/30/2020 | 8:00:00 PM  | -4.198                             | 31.548              | 70.302      | 150.238                   | 0.217               | 83.6                |
| 08/30/2020 | 9:00:00 PM  | -4.198                             | 30.949              | 72.549      | 2.029                     | 0.636               | 83.6                |
| 08/30/2020 | 10:00:00 PM | -3.521                             | 30.657              | 77.375      | 191.16                    | 0.203               | 83.6                |
| 08/30/2020 | 11:00:00 PM | -4.062                             | 30.763              | 76.083      | 78.566                    | 0.558               | 83.6                |
| 08/31/2020 | 12:00:00 AM | -3.656                             | 30.604              | 77.672      | 289.554                   | 0.206               | 83.6                |
| 08/31/2020 | 1:00:00 AM  | -3.114                             | 30.125              | 81.215      | 96.612                    | 0.423               | 83.6                |
| 08/31/2020 | 2:00:00 AM  | -3.385                             | 30.114              | 79.616      | 207.229                   | 0.204               | 83.6                |
| 08/31/2020 | 3:00:00 AM  | -3.114                             | 29.77               | 80.701      | 148.654                   | 1.096               | 83.6                |
| 08/31/2020 | 4:00:00 AM  | -5.822                             | 29.364              | 83.264      | 122.139                   | 0.793               | 83.6                |
| 08/31/2020 | 5:00:00 AM  | -5.01                              | 29.087              | 83.393      | 306.21                    | 0.208               | 83.6                |
| 08/31/2020 | 6:00:00 AM  | 20.988                             | 28.181              | 85.701      | 65.409                    | 0.199               | 84.3                |
| 08/31/2020 | 7:00:00 AM  | 102.232                            | 28.781              | 83.178      | 279.999                   | 1.32                | 86.4                |
| 08/31/2020 | 8:00:00 AM  | 181.173                            | 31.916              | 70.86       | 257.438                   | 0.543               | 86.4                |
| 08/31/2020 | 9:00:00 AM  | 761.117                            | 34.463              | 61.543      | 225.727                   | 0.207               | 86.4                |
| 08/31/2020 | 10:00:00 AM | 271.489                            | 29.226              | 82.214      | 126.893                   | 1.809               | 90.1                |
| 08/31/2020 | 11:00:00 AM | 788.063                            | 33.869              | 68.206      | 120.766                   | 0.202               | 90.4                |
| 08/31/2020 | 12:00:00 PM | 473.109                            | 32.147              | 75.534      | 141.488                   | 0.203               | 91.4                |
| 08/31/2020 | 1:00:00 PM  | 884.201                            | 34.645              | 60.424      | 107.926                   | 0.207               | 91.4                |
| 08/31/2020 | 2:00:00 PM  | 1030.169                           | 34.725              | 57.824      | 167.77                    | 1.658               | 91.4                |

|            |             | 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] |
|------------|-------------|------------------------------------|---------------------|-------------|---------------------------|---------------------|---------------------|
| 08/31/2020 | 3:00:00 PM  | 153.415                            | 32.62               | 68.038      | 177.607                   | 0.476               | 91.4                |
| 08/31/2020 | 4:00:00 PM  | 34.122                             | 32.165              | 72.073      | 117.411                   | 1.036               | 91.4                |
| 08/31/2020 | 5:00:00 PM  | 118.074                            | 30.935              | 78.557      | 331.01                    | 0.207               | 92.2                |
| 08/31/2020 | 6:00:00 PM  | 15.03                              | 30.671              | 80.123      | 112.191                   | 0.2                 | 92.5                |
| 08/31/2020 | 7:00:00 PM  | -0.542                             | 29.622              | 85.042      | 228.358                   | 0.498               | 92.6                |
| 08/31/2020 | 8:00:00 PM  | -0.542                             | 29.43               | 86.851      | 58.792                    | 0.198               | 92.6                |
| 08/31/2020 | 9:00:00 PM  | -1.896                             | 30.069              | 84.522      | 261.531                   | 0.207               | 92.6                |
| 08/31/2020 | 10:00:00 PM | -2.573                             | 30.493              | 81.381      | 154.883                   | 0.203               | 92.6                |
| 08/31/2020 | 11:00:00 PM | -2.031                             | 30.228              | 81.444      | 327.998                   | 0.651               | 92.6                |