

## APPENDIX A: MONTHLY AVERAGED DATA

In many instances monthly averaged data are sufficient for preliminary estimates of solar system performance. This section provides a summary of monthly averaged data for all sites in watt hours/meter<sup>2</sup> per hour or day. For each site and each solar measurement the data are presented in two tables. The first table gives long-term hourly average data. The hourly data are averaged for each month and then averaged over each year that has hourly data for that month. The second table has daily data averaged for each month for which data were gathered. This table also contains the monthly average daily insolation for each year. The bottom row contains the overall average daily data for each month and over all the years. The value is flagged with a '\*' if there are less than 15 days with data in the month. The bottom line contains the percent standard deviation from the average insolation.

Occasionally the overall monthly averages in the two tables may not match. This can occur, for example, when a few hours of data are missing for a day. When this happens, the daily total is not available but the hourly data that exist are used in the average. Also, for a few sites, only daily totals are available for the first few years. In this case, the hourly and the monthly values are averaged over different time periods.

Long term hourly average temperature data are given for sites where temperature measurements are made. The hourly data are averaged for each month and then averaged over each year that has hourly data for that month.

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University of Oregon

# Solar Radiation Monitoring Lab

Eugene, Oregon

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Welcome to the University of Oregon Solar Radiation Monitoring Lab.

The UO-SRML has solar monitoring stations around the Northwest and is dedicated to producing high quality solar radiation data for solar energy and climatic applications.

Click on the buttons on the left to find out more about the lab and its purpose. This page also has information relating to the instruments and equipment used in solar monitoring.

Also, there is a [list of all sites](#) in a text format for slower connections.



## Daily Data Available on Web Page

The UO Solar Monitoring Lab's Web page enables public access to information about our solar resource assessment efforts. The pages have been evolving since January 1996. Information about the program sponsors as well as the daily data files are accessible on our home page.

To find our home page, direct your Internet browser to <http://solardata.uoregon.edu/> and start exploring. The pages are best viewed with Internet Explorer 4.0 or Netscape version 2.0 or later.