

Title

Australian Gridded Solar Climatology Web Data Services

Abstract

These datasets are long term averages of solar radiation at the surface over the Australian land mass. Applications of these data include solar energy, agriculture, building thermal design and water balance modelling. Climatologies are given for two radiation parameters: the global horizontal exposure, which is the total amount of solar energy falling on a horizontal surface over a time interval; and the direct normal exposure which is the total of the component of radiation from the sun's disk on a plane perpendicular to the beam. Climatologies of daily exposure are given as an annual average and as a set of twelve monthly averages. Climatologies of the diurnal cycle are given as monthly averages of hourly exposures through the day. These data sets are derived from 23 years (1990 - 2012) of data from satellites operated by Japan Meteorological Agency and the US National Oceanographic & Atmospheric Administration. NEII

Resource locator[HTML Metadata - Solar Climatology](#)

Name: HTML Metadata - Solar Climatology

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Metadata is data that defines or describes the content, quality, format or structure of a dataset or information asset (NSW Government Standard Approach to Metadata July 2014)

Function: download

[XML Metadata - Solar Climatology](#)

Name: XML Metadata - Solar Climatology

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Metadata is data that defines or describes the content, quality, format or structure of a dataset or information asset (NSW Government Standard Approach to Metadata July 2014). The Metadata is provided in an XML format to be utilised by other applications

Function: download

[Spatial Viewer](#)

Name: Spatial Viewer

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

The following link will redirect the user to an external page outside of SEED to access the resource. This could be another page or another portal.

Function: download

[NEII Framework](#)

Name: NEII Framework

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

The following link will provide access to further resources on the dataset

Function: download

[WMS - Solar Climatology](#)

Name: WMS - Solar Climatology

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Monthly-hourly climatology of hourly exposure (Global Horizontal Exposure)

Function: download

[WMS - Solar Climatology](#)

Name: WMS - Solar Climatology

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Monthly-hourly climatology of hourly exposure (Direct Normal Exposure)

Function: download

[WMS - Solar Climatology](#)

Name: WMS - Solar Climatology

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Monthly climatology of daily exposure (Global Horizontal Exposure)

Function: download

[WMS - Solar Climatology](#)

Name: WMS - Solar Climatology

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Monthly climatology of daily exposure (Direct Normal Exposure)

Function: download

[WMS - Solar Climatology](#)

Name: WMS - Solar Climatology

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Annual climatology of daily exposure (Global Horizontal Exposure)

Function: download

[WMS - Solar Climatology](#)

Name: WMS - Solar Climatology

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Annual climatology of daily exposure (Direct Normal Exposure)

Function: download

Unique resource identifier

Code a50a2f2d-d9b5-41f9-90f8-96ee174d29ab

Presentation form

Dataset language English

Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/a50a2f2d-d9b5-41f9-90f8-96ee174d29ab>

Spatial representation

Type vector

Spatial reference system

Code identifying the spatial reference system 4283

Topic category	
Keyword set	
keyword value	
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	112.025
East bounding longitude	153.975
North bounding latitude	-43.975
South bounding latitude	-10.025
Vertical extent information	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
Temporal extent	
Begin position	
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	
Contact info	
Contact position	Data Broker
Organisation name	Bureau of Meteorology
Responsible party role	pointOfContact
Limitations on public access	
Responsible party	
Contact position	Data Broker
Organisation name	Bureau of Meteorology
Responsible party role	pointOfContact

Metadata point of contact

Contact position

Data Broker

Organisation name

Bureau of Meteorology

Responsible party role

pointOfContact

Metadata date

2022-05-16T02:25:09.598397

Metadata language