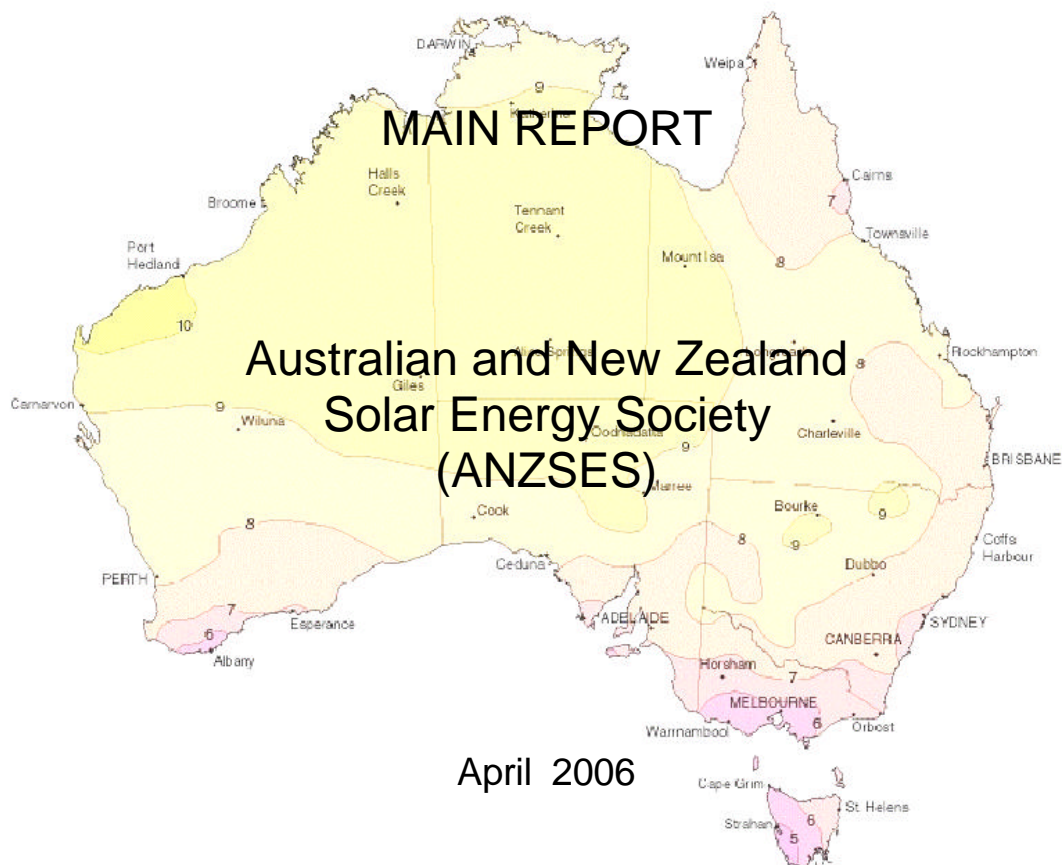


ANZSES
Australian and
New Zealand
Solar Energy Society

Australian Solar Radiation Data Handbook

(ASRDH)

Edition 4



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Australian Solar Radiation Data Handbook (ASRDH) - Edition 4

MAIN REPORT

On the Creation of a Revised and Fully Updated Edition

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Feedback and Enquiries

All comments, including critiques and suggestions for improvements in future editions, are welcome and should be addressed to ANZSES at the address below.

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Cover

The image on the front cover was obtained from the Bureau of Meteorology and was adapted from the original for aesthetic purposes. This image displays the annual average daily sunshine hours across Australia, collected over a 15 year period. For further information please refer to the Bureau of Meteorology website (<http://www.bom.gov.au>).

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Table 1. Data collection sites used in 2004 Handbook with various details

State Terr	Location	Elevation	Data type	Radiation data start date to May 2004	No. of days	% of days with estimated data only
NSW ACT	Canberra City	571 m	G&D	Mar 1976	10,301	24.2%
	Sydney RO	4 m	G&D	Aug 1983	7,604	29.4%
	Wagga Wagga AMO	224 m	G&D	July 1968	13,111	13.1%
	Williamtown AMO	12 m	G	Dec 1968	12,960	28.8%
QLD	Brisbane AMO	6 m	G&D	Jan 1983	7,805	22.2%
	Cairns AMO	3 m	EST	Oct 1990	4,962	28.9%
	Longreach	195 m	G	July 1968	13,093	23.9%
	Rockhampton AMO	8 m	G&D	Feb 1973	11,437	11.6%
	Townsville	4 m	EST	Mar 1971	12,128	21.7%
SA NT	Adelaide AMO	11 m	G&D	Jan 1983	7,816	16.2%
	Alice Springs AMO	547 m	G&D	July 1968	13,112	4.1%
	Darwin AMO	35 m	G	Oct 1968	13,021	9.8%
	Mt Gambier AMO	63 m	G&D	July 1968	13,108	5.2%
	Oodnadatta AMO	113 m	G	May 1969	12,798	42.5%
	Tennant Creek	375 m	EST	Oct 1990	4,962	6.1%
VIC TAS	East Sale AMO	14 m	EST	Oct 1990	4,962	51.8%
	Hobart RO	8 m	G&D	Oct 1967	13,367	18.3%
	Launceston AMO	171 m	EST	Oct 1990	4,962	51.9%
	Laverton AMO	14 m	G&D	Feb 1968	13,258	17.1%
	Melbourne HO	123 m	G&D	Jan 1967	13,660	25.6%
	Mildura AMO	53 m	G&D	Jan 1969	12,929	3.0%
WA	Albany AMO	71 m	G&D	June 1968	13,143	27.0%
	Forrest AMO	157 m	G	Nov 1969	12,623	29.6%
	Geraldton AMO	35 m	G&D	June 1968	13,124	6.5%
	Halls Creek AMO	423 m	G	May 1969	12,809	22.0%
	Kalgoorlie	360 m	EST	Feb 1979	9,240	4.9%
	Perth RO	11 m	G&D	Feb 1973	11,437	17.5%
	Port Hedland	8 m	G&D	Sep 1968	13,048	22.8%

Legend for Data Sources (listed in descending order of accuracy):

- AMO indicates that the station is an Airport Meteorological Office
- HO indicates that the station is Head Office of the Bureau of Meteorology, 150 Lonsdale Street, Melbourne
- RO indicates that the station is Regional Office
- G&D Locations using both global and diffuse measurements
- G Locations using global radiation measurements only, with the diffuse radiation estimated.
- EST Locations using only estimated data from cloud cover records

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