



Australian Government
Bureau of Meteorology

Gridded Average Heating & Cooling Degree Days Metadata

Dataset	
Title	Average monthly and average annual heating and cooling degree days data (base climatological datasets)
Custodian	
Custodian	Bureau of Meteorology
Jurisdiction	Australia
Description	
Abstract	Average monthly and annual heating and cooling degree days grids. The grids show the heating and cooling degree day values across Australia in the form of two-dimensional array data. The data is based on the standard 30-year period 1961-1990. See LINEAGE below for more information.
Search Word(s)	Gridded, spline, analyses, climatology, heating, cooling, meteorology
Geographic Extent Names(s)	Australia
General Category	Gridded climatological data
General Custodian Jurisdiction	Australian Government Australia
Geographic Extent Polygon	Not applicable
Geographic Bounding Box	See below
North Bounding Latitude	-8.950
South Bounding Latitude	-45.050
East Bounding Longitude	160.050
West Bounding Longitude	109.950
Data Currency	
Beginning Date	1961
Ending Date	1990
Dataset Status	
Progress	Completed
Maintenance and Update frequency	Ongoing
Access	
Stored Data Format	Arc/Info grids – all Australia
Available Format Type	ASCII row major, Arc/Info grid Interchange (.e00), Shapefiles.
Access Constraint	Please note that the copyright for any data supplied by the Bureau of

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Data Quality	
Lineage	<p>The Heating Degree Days (HDD) and Cooling Degree Days (CDD) were based on daily temperature observations with each month having at least 25 records and no less than 15 years of data between 1961-1990.</p> <p>HDD and CDD are based on:</p> <ul style="list-style-type: none"> the average daily temperature ((maximum daily temperature + minimum daily temperature) / 2). the difference between the average temperature and the BASE temperature. The BASE values used in this case are 12°C or 18°C for heating and 18°C or 24°C for cooling. <p>The gridded data were generated using the ANU (Australian National University) 2-D Spline (surface fitting algorithm). The grid point resolution of the data is 0.1 degrees (approximately 10km).</p> <p>Approximately 350 stations were used in the analysis. All input station data underwent standard quality control before analysis.</p>
Positional Accuracy	The observational (station) data on which the analyses were based have an associated accuracy of the order of 0.01 degrees (approximately 1km) or better.
Attribute Accuracy	Grid point data are post processed. For more information please contact us.
Logical Consistency	Not applicable
Completeness	No missing data
Contact Information	
Contact Organisation	Bureau of Meteorology
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Metadata date	
Metadata date	2005
Additional Metadata	Additional information available on request (see contact above).