



Gridded Average Wind Velocity Metadata

Dataset	
Title	Average monthly wind velocity grids (2004 – 2008)
Custodian	
Custodian	Bureau of Meteorology
Jurisdiction	Australia
Description	
Abstract	Average monthly wind speed and direction grids across Australia. The data are based on the period 1 st January 2004 – 31 st December 2008. See LINEAGE below for more information.
Search Word(s)	Gridded, analyses, wind, speed, direction, velocity, meteorology
Geographic Extent Names(s)	Australia
General Category	Gridded monthly data
General Custodian Jurisdiction	Australian Government Australia
Geographic Extent Polygon	Not applicable
Geographic Bounding Box	See Below
North Bounding Latitude	4.938
South Bounding Latitude	-55.063
East Bounding Longitude	169.938
West Bounding Longitude	94.938
Data Currency	
Beginning Date	2004
Ending Date	2008
Dataset Status	
Progress	Completed
Maintenance and Update frequency	Ongoing

Access	
Stored Data Format	Arc/Info grids—all Australia
Available Format Type	ASCII row major
Access Constraint	Please note that the copyright for any data supplied by the Bureau of Meteorology is held in the Commonwealth of Australia and the purchaser shall give acknowledgement of the source in reference to the data. Apart from dealings under the Copyright Act 1968, the purchaser shall not reproduce (electronically or otherwise), modify or supply (by sale or otherwise) these data without written permission from the supplier. Please contact us (see details below) for more information.
Data Quality	
Lineage	<p>Gridded data were generated by the MesoLAPS_PT125 Numerical Weather Prediction (NWP) dynamical model which is operated by the Bureau of Meteorology. The resolution of the data are 0.125 degrees (approximately 12.5 km). The model's 10 metre zonal (u) and meridional (v) wind components at 00 UTC was used in deriving the grids.</p> <p>The NWP model is used to provide operational guidance in weather forecasting. The LAPS PT375 model performs the assimilation and analysis, which is then interpolated to 0.125 degrees resolution. The model performs its own forecast.</p> <p>NetCDF files describe their content using three types of metadata:</p> <ul style="list-style-type: none"> • Dimensions, which define the size of the different variables. • Variables, which specify the type of data the file contains. • Global attributes, which provide additional information that applies to all the data in the file. <p>The variables consist of the coordinates in space and time plus the physical field itself. Other variables with additional information may also be included.</p>
Positional Accuracy	Various types of data are used as part of the assimilation process in the model. These include synoptic, metar, ship, buoys and sonde as well as satellite driven observations. These observational data generally have an associated accuracy within the model resolution.
Attribute Accuracy	Not applicable
Logical Consistency	Not applicable
Completeness	No missing data
Contact Information	
Contact Organisation	Bureau of Meteorology
Contact Position	Climate Data Services
Mail Address	PO BOX 1289, Melbourne 3001, Australia
Locality	
State	Victoria
Country	Australia
Postcode	3001
Telephone	(03) 9669 4082
Facsimile	(03) 9669 4515
Electronic Mail	climatedata@bom.gov.au
Metadata date	
Metadata date	2011
Additional	Additional information available on request (see contact above).

Metadata	
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