

Title	ALOS Woody biomass (50m) 2009
Abstract	This raster represents the above ground vegetation biomass at 50m resolution. It is based on radar imagery from the Palsar instrument on the Japanese ALOS satellite, and is calibrated to field measurements of biomass. It is used for carbon accounting, vegetation mapping and modelling applications
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>ALOS Woody biomass (50m) 2009 Data Quality Statement</p> <p>Function: download</p>
ALOS Data	<p>Name: ALOS Data</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Download Data Package</p> <p>Function: download</p>
ALOS Woody biomass (50m) 2009 Journal Paper	<p>Name: ALOS Woody biomass (50m) 2009 Journal Paper</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Download Journal Paper</p> <p>Function: download</p>
Unique resource identifier	
Code	7737ed44-039b-4680-b230-179425969db2
Presentation form	Document digital
Edition	Not known
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/7737ed44-039b-4680-b230-179425969db2
Purpose	This is a research grade product generated using L-band radar imagery from ALOS PALSAR. The model was calibrated using field plot measurements of tree diameters from which above ground biomass (AGB) was estimated using allometric equations. Empirical relationships were established between HH and HV backscatter and AGB. The study also explored the impact of surface moisture conditions on biomass retrieval using L-band radar. The full method is published in Lucas et al. (2010). The product is unvalidated but may be useful for woody vegetation change monitoring and carbon accounting applications.
Status	Completed

Spatial representation type grid

Spatial reference system

Code identifying the spatial reference system 4283

Spatial resolution 50 m

Additional information source Any use of this data should acknowledge the data sources as "This map is a research product developed by the Joint Remote Sensing Research Program (University of Queensland, Qld DERM, NSW OEH), the University of Aberystwyth (Wales, UK) and the Queensland Herbarium within the framework of the JAXA Kyoto and Carbon Initiative (◆ JAXA/METI)". This product has not been validated.

Topic category

Keyword set	
keyword value	PHOTOGRAPHY-AND-IMAGERY-Remote-Sensing VEGETATION
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	141
East bounding longitude	154
North bounding latitude	-38
South bounding latitude	-28
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	2009-06-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Unknown
Contact info	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact
Lineage	Data processing history found in the Imagine image's internal metadata.
Limitations on public access	

Scope	dataset
DQ Completeness Commission	
Effective date	2001-01-01
DQ Completeness Omission	
Effective date	2001-01-01
DQ Conceptual Consistency	
Effective date	1900-01-01
DQ Topological Consistency	
Effective date	1900-01-01
DQ Absolute External Positional Accuracy	
Effective date	1900-01-01
DQ Non Quantitative Attribute Correctness	
Effective date	1900-01-01
Responsible party	
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Responsible party role	pointOfContact
Metadata date	2024-02-26T13:41:22.152217
Metadata language	