

<p>Title</p>	<p>Water Modelling-Palaeo Stochastic Climate Data-Greater Sydney-Silo Station (xi of xi) ID 070101-070330</p>
<p>Abstract</p>	<p>The palaeo stochastic climate data include 10,000 replicates of 130-yr daily data sets of rainfall and potential evapotranspiration generated using observed data sets without and with combined palaeo climate data. This work has been undertaken by researchers at the University of Newcastle and used in modelling for Greater Sydney Water Strategy.</p> <p>This particular Asset (070101-070330) houses Silo Station IDs:</p> <ul style="list-style-type: none"> • 070105 - MOUNT FAIRY (MERIGAN) • 070119 - BIG HILL (GLEN DUSK) • 070124 - RICHLANDS (BOUVERIE) • 070131 - WOODHOUSELEE (LEESTON) • 070135 - MUMMELL (KANGAROOBIE) • 070143 - BRAYTON (LONGREACH) • 070144 - TARALGA (CIRCLE C) • 070147 - GOULBURN (HILLWOOD) • 070183 - WINDELLIMA (BUDJONG) • 070261 - JERRABATTGULLA (GILSTON) • 070263 - GOULBURN TAFE • 070330 - GOULBURN AIRPORT <hr/> <p>Note: If you would like to ask a question, make any suggestions, or tell us how you are using this dataset, please visit the NSW Water Hub which has an online forum you can join.</p>

Resource locator

[Data Quality Statement](#)

Name: Data Quality Statement
Protocol: WWW:DOWNLOAD-1.0-http--download
Description:
Data quality statement
Function: download

[070105_MOUNT FAIRY \(MERIGAN\)_FAO56](#)

Name: 070105_MOUNT FAIRY (MERIGAN)_FAO56
Protocol: WWW:DOWNLOAD-1.0-http--download
Description:
Paleo-Stochastic FAO56 data for 3250 replicates for 070105 (MOUNT FAIRY (MERIGAN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
Function: download

[070105_MOUNT FAIRY \(MERIGAN\)_Mwet](#)

Name: 070105_MOUNT FAIRY (MERIGAN)_Mwet
Protocol: WWW:DOWNLOAD-1.0-http--download
Description:
Paleo-Stochastic Mwet data for 3250 replicates for 070105 (MOUNT FAIRY (MERIGAN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
Function: download

[070105_MOUNT FAIRY \(MERIGAN\)_Rain](#)

Name: 070105_MOUNT FAIRY (MERIGAN)_Rain
Protocol: WWW:DOWNLOAD-1.0-http--download
Description:
Paleo-Stochastic Rain data for 3250 replicates for 070105 (MOUNT FAIRY (MERIGAN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
Function: download

Name: 070119 BIG HILL (GLEN DUSK) Rain

[070119_BIG HILL \(GLEN DUSK\)_Rain](#)

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070119 (BIG HILL (GLEN DUSK)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070124_RICHLANDS \(BOUVERIE\)_Rain](#)

Name: 070124_RICHLANDS (BOUVERIE)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070124 (RICHLANDS (BOUVERIE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070131_WOODHOUSELEE \(LEESTON\)_Rain](#)

Name: 070131_WOODHOUSELEE (LEESTON)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070131 (WOODHOUSELEE (LEESTON)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070135_MUMMELL \(KANGAROOBIE\)_Rain](#)

Name: 070135_MUMMELL (KANGAROOBIE)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070135 (MUMMELL (KANGAROOBIE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

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[070143_BRAYTON \(LONGREACH\)_Rain](#)

Name: 070143_BRAYTON (LONGREACH)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070143 (BRAYTON (LONGREACH)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070143_BRAYTON \(LONGREACH\)_Mwet](#)

Name: 070143_BRAYTON (LONGREACH)_Mwet

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

Description:

Paleo-Stochastic Mwet data for 3250 replicates for 070143 (BRAYTON (LONGREACH)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070143_BRAYTON \(LONGREACH\)_Mwet](#)

Name: 070143_BRAYTON (LONGREACH)_Mwet

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

Description:

Paleo-Stochastic Mwet data for 3250 replicates for 070143 (BRAYTON (LONGREACH)); each with 130 year daily timeseries; including metadata and

quality assurance pdfs.

Function: download

[070143_BRAYTON
\(LONGREACH\)_Rain](#)

Name: 070143_BRAYTON (LONGREACH)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070143 (BRAYTON (LONGREACH)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070144_TARALGA \(CIRCLE
C\)_Rain](#)

Name: 070144_TARALGA (CIRCLE C)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070144 (TARALGA (CIRCLE C)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

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[070147_GOULBURN
\(HILLWOOD\)_Rain](#)

Name: 070147_GOULBURN (HILLWOOD)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070147 (GOULBURN (HILLWOOD)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070147_GOULBURN
\(HILLWOOD\)_FAO56](#)

Name: 070147_GOULBURN (HILLWOOD)_FAO56

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

Description:

Paleo-Stochastic FAO56 data for 3250 replicates for 070147 (GOULBURN (HILLWOOD)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

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[070147_GOULBURN
\(HILLWOOD\)_Mwet](#)

Name: 070147_GOULBURN (HILLWOOD)_Mwet

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

Description:

Paleo-Stochastic Mwet data for 3250 replicates for 070147 (GOULBURN (HILLWOOD)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

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[070183_WINDELLIMA
\(BUDJONG\)_FAO56](#)

Name: 070183_WINDELLIMA (BUDJONG)_FAO56

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

Description:

Paleo-Stochastic FAO56 data for 3250 replicates for 070183 (WINDELLIMA (BUDJONG)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070183_WINDELLIMA
\(BUDJONG\)_Rain](#)

Name: 070183_WINDELLIMA (BUDJONG)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070183 (WINDELLIMA (BUDJONG)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

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[070183_WINDELLIMA \(BUDJONG\)_Mwet](#)

Name: 070183_WINDELLIMA (BUDJONG)_Mwet

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

Description:

Paleo-Stochastic Mwet data for 3250 replicates for 070183 (WINDELLIMA (BUDJONG)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

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[070261_JERRABATTGULLA \(GILSTON\)_Rain](#)

Name: 070261_JERRABATTGULLA (GILSTON)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070261 (JERRABATTGULLA (GILSTON)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070261_JERRABATTGULLA \(GILSTON\)_Mlake](#)

Name: 070261_JERRABATTGULLA (GILSTON)_Mlake

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

Description:

Paleo-Stochastic Mlake data for 3250 replicates for 070261 (JERRABATTGULLA (GILSTON)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070261_JERRABATTGULLA \(GILSTON\)_Rain](#)

Name: 070261_JERRABATTGULLA (GILSTON)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070261 (JERRABATTGULLA (GILSTON)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070261_JERRABATTGULLA \(GILSTON\)_Mwet](#)

Name: 070261_JERRABATTGULLA (GILSTON)_Mwet

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

Description:

Paleo-Stochastic Mwet data for 3250 replicates for 070261 (JERRABATTGULLA (GILSTON)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070263_GOULBURN TAFE_Rain](#)

Name: 070263_GOULBURN TAFE_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070263 (GOULBURN TAFE); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070263_GOULBURN TAFE_Mwet](#)

Name: 070263_GOULBURN TAFE_Mwet

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

Description:

Paleo-Stochastic Mwet data for 3250 replicates for 070263 (GOULBURN TAFE); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070263_GOULBURN TAFE_Rain](#)

Name: 070263_GOULBURN TAFE_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070263 (GOULBURN TAFE); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070263_GOULBURN TAFE_Mwet](#)

Name: 070263_GOULBURN TAFE_Mwet

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

Description:

Paleo-Stochastic Mwet data for 3250 replicates for 070263 (GOULBURN TAFE); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

[070330_GOULBURN AIRPORT AWS_Rain](#)

Name: 070330_GOULBURN AIRPORT AWS_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070330 (GOULBURN AIRPORT AWS); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

Unique resource identifier

Code 1c439442-b274-4e29-abea-e20d8bcaa502

Presentation form Table digital

Edition 1.0

Dataset language English

Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/1c439442-b274-4e29-abea-e20d8bcaa502>

Purpose

Climate data is a fundamental input dataset required for water modelling. The stochastic climate data is 10,000 years of daily data representing the variability of the long-term climate at a location generated. The primary purpose of the stochastic climate data is to be used as input data for water modelling to analysis water related outcomes of river basins under long-term climate and inform the development of water policies, planning and strategies for water management. Climate data is a fundamental input dataset required for water modelling. Rainfall and potential evapotranspiration are the two main types of climate required for the types of water models used for water planning. Temperature data is used in some of the water models (in particular for snowmelt modelling. water demand

modelling). Climate data in daily temporal resolution is used as input data to water models of varying types, purposes, and complexity. The water models transform this input data to produce a range of water related modelled data. Stochastic climate data has been generated based on observed climate dataset combined with paleo-climatic information. The observed data is downloaded from the SILO data-base of Australian climate data (<https://www.longpaddock.qld.gov.au/silo/>), which has climate data from 1889-present based on instrumental records at thousands of climate stations. The stochastic data are 10,000-year daily data sets of each climate data at different climate stations.

Status	On going
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Spatial representation type	textTable
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Spatial reference system	
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Code identifying the spatial reference system	4283
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Spatial resolution	1 km
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Additional information source	Raw data series commenced 01/01/0000 to 31/12/9999
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Topic category	
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Keyword set	
keyword value	WATER
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	150.2
East bounding longitude	151.5
North bounding latitude	-34.23
South bounding latitude	-33.35
NSW Place Name	Greater Sydney
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	0001-01-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	As needed
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

The stochastic data are 10,000-year daily data sets at different climate stations, which were generated using observed or derived data sets combined with palaeo-logical climate data information. This work was undertaken by researchers at University of Adelaide and University of Newcastle and used in Regional Water Strategies. The stochastic data were generated region by region with spatial and temporal consistency of the data between regions maintained. Stochastic datasets were generated using the observed climate data and paleo-climatic information. The observed and derived data is downloaded from the SILO data-base of Australian climate data (<https://www.longpaddock.qld.gov.au/silo/>), which has climate data from 1889-present.

Limitations on public access

Responsible party

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

Metadata point of contact

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

Metadata date 2024-02-26T13:31:46.064912

Metadata language