



## Units: percentage of normal sunshine hours 2003

### Metadata

#### File Identifier

161d7712-9e5a-4295-a742-a2d6c53abc22

#### Language

eng

#### Character Set

##### Character Set Code

utf8

#### Hierarchy Level

##### Scope Code

dataset

#### Hierarchy Level Name

dataset

### Contact

#### Responsible Party

##### Organisation Name

Environmental Reporting, Ministry for the Environment and Statistics New Zealand

##### Position Name

Analyst

#### Contact Info

##### Contact

##### Address

##### Address

##### Delivery Point

23 Kate Sheppard Place, PO Box 10362

##### City

Wellington 6143

##### Country

New Zealand

##### Electronic Mail Address

Environmental.Reporting@mfe.govt.nz

#### Role

##### Role Code

distributor

### Date Stamp

#### Date

2016-01-27

### Metadata Standard Name

ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata

### Metadata Standard Version

1.1

### Reference System Info

#### Reference System

##### Reference System Identifier

##### Identifier

##### Code

**Identification Info****Data Identification****Citation****Citation****Title**

Units: percentage of normal sunshine hours 2003

**Date****Abstract**

"Sunshine is important for our health and recreation, and for the environment. It is also important for our agriculture-based economy, for example, for plant growth. This layer shows percentage of normal sunshine hours across New Zealand for 2003 as part of the data series for years 1972 to 2013. Data is for a calendar year (January-December). The National Institute of Water and Atmospheric Research (NIWA) mapped mean annual sunshine hours from the virtual climate station network data (NIWA) generated from data in its National Climate Database, for the period 1981-2013. It generated the Units: percentage of normal by comparing the annual average to the long-term mean for 1981-2010. This dataset relates to the "Sunshine hours in New Zealand" measure on the Environmental Indicators, Te taiao Aotearoa website. Geometry: raster catalogue Unit: hrs/yr "

**Status****Progress Code**

completed

**Point Of Contact****Responsible Party****Organisation Name**

Environmental Reporting, Ministry for the Environment and Statistics New Zealand

**Position Name**

Analyst

**Contact Info****Contact****Address****Address****Delivery Point**

23 Kate Sheppard Place, PO Box 10362

**City**

Wellington 6143

**Country**

New Zealand

**Electronic Mail Address**

Environmental.Reporting@mfe.govt.nz

**Role****Role Code**

distributor

**Resource Maintenance****Maintenance Information****Maintenance And Update Frequency****Maintenance Frequency Code**

irregular

**Resource Format****Format****Name**

\*.xml

**Version**

Unknown

**Descriptive Keywords****Keywords**

**Keyword**

| New Zealand

**Type**

| Keyword Type Code

| theme

**Thesaurus Name**

**Citation**

**Title**

| ANZLIC Jurisdictions

**Date**

**Edition**

| Version 2.1

**Edition Date**

**Date**

| 2008-10-29

**Identifier**

**Identifier**

**Code**

| <http://asdd.ga.gov.au/asdd/profileinfo/anzlic-jurisdic.xml#anzlic-jurisdic>

**Cited Responsible Party**

**Responsible Party**

**Organisation Name**

| ANZLIC the Spatial Information Council

**Role**

**Role Code**

| custodian

**Descriptive Keywords**

**Keywords**

**Keyword**

| CLIMATE-AND-WEATHER

**Keyword**

| CLIMATE-AND-WEATHER-Radiation

**Type**

| Keyword Type Code

| theme

**Thesaurus Name**

**Citation**

**Title**

| ANZLIC Search Words

**Date**

**Edition**

| Version 2.1

**Edition Date**

**Date**

| 2008-05-16

**Identifier**

**Identifier**

**Code**

| <http://asdd.ga.gov.au/asdd/profileinfo/anzlic-theme.xml#anzlic-theme>

**Cited Responsible Party**

**Responsible Party**

**Organisation Name**

| ANZLIC the Spatial Information Council

Role  
Role Code  
custodian

Resource Constraints

Legal Constraints

Use Limitation

Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

Access Constraints

Restriction Code

license

Resource Constraints

Legal Constraints

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Use Constraints

Restriction Code

license

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

environment

Extent

EX\_ Extent

Geographic Element

EX\_ Geographic Description

Identifier

Authority

Citation

Title

ANZMet Lite Country codelist

Date

Edition

Version 1.0

Edition Date

Date

2009-03-31

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-country.xml#Country>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Role

Role Code

custodian

Code  
nzl

Extent

EX \_ Extent

Geographic Element

EX \_ Geographic Bounding Box

164.373835631-178.368273496-47.5566512869-33.826801176

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.mfe.govt.nz/layer/53212-units-percentage-of-normal-sunshine-hours-2003/>

Data Quality Info

DQ \_ Data Quality

Scope

DQ \_ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI \_ Lineage

Statement

Source: National Institute for Water and Atmospheric Research Method: "'Normal' has been calculated from the mean values from 1981-2010. The National Institute of Water and Atmospheric Research (NIWA) mapped mean annual sunshine hours from the virtual climate station network data (NIWA) generated from data in its National Climate Database, for the period 1981-2013. It generated the Units: percentage of normal by comparing the annual average to the long-term mean for 1981-2010. Maps were produced using the Virtual Climate Station network data. Data for each year are measured over the calendar year (January-December) . Care should be taken when comparing maps from year to year. There may be days missing from station observations used to build the sunshine hours GIS data set. As a result, data may have been interpolated to complete the data set. The interpolation accuracy is lowest in areas of high elevation, where there are fewer climate stations and the complex terrain affects accuracy. Also, climate stations may open and close over time, which will also affect the accuracy of the data provided. The accuracy of the data source is of high quality. "

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