



## Sunshine hours 2002

### Metadata

#### File Identifier

1bfc58b4-8942-07ed-b35a-19a76c6b212b

#### 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  
2193

#### Identification Info

##### Data Identification

Citation  
Citation  
Title  
Sunshine hours 2002  
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 annual sunshine hours across New Zealand for 2002 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. Maps were produced using the Virtual Climate Station network data. Data for each year are measured over the calendar year (January–December). The accuracy of the data source is of high quality. This dataset relates to the ""Sunshine hours in New Zealand"" measure on the Environmental Indicators, Te taiao Aotearoa website. Geometry: grid 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

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### 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**

**Use Limitation**

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**Use Constraints**

**Restriction Code**

copyright

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**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/53255-sunshine-hours-2002/>

## 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: "This indicator assesses the annual number of sunshine hours around New Zealand and the annual sunshine anomaly (Units: percentage of normal) for New Zealand. '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. "

## Metadata Constraints

### Legal Constraints

#### Use Limitation

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#### Access Constraints

Restriction Code

license

Metadata Constraints

Legal Constraints

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Use Constraints

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