Ministry for the Environment
Manatū Mō Te Taiao

Percent of normal sunshine hours, 2014–16

Metadata
- File Identifier
  - AC17/088
- 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
2017-10-13

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
NZGD49 / New Zealand Map Grid

Identification Info
Data Identification
Citation
Citation
Title
Percent of normal sunshine hours, 2014–16

Date

Abstract
Sunshine is essential for our mental and physical well-being and plant growth. It is also important for tourism and recreation. More information on this dataset and how it relates to our environmental reporting indicators and topics can be found in the attached data quality pdf.

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

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      - 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-Meteorology

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

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Spatial Representation Type Code
grid
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

- Data Quality Info
  - DQ _ Data Quality
    - Scope
      - DQ _ Scope
        - Level
          - Scope Code
            - dataset
        - Level Description
          - Scope Description
            - Other
              - dataset
    - Lineage
      - LI _ Lineage
        - Statement

Source: NIWA Method: NIWA extracted data for sunshine hours from the Climate Database for all stations with data (approximately 90 stations across the country) for the particular year. NIWA then interpolated the data to create a regular 500m resolution grid of average annual sunshine hours for each year from 1972 to 2016. Missing data were infilled using Virtual Climate Station Network data (NIWA, nd). Be cautious when interpreting interpolated data because interpolation accuracy is affected by stations opening or closing over time, station density, and terrain complexity. The type of instrument used for recording sunshine hours may change over time which could also influence results. Data are for a calendar year (January–December). NIWA calculated percent of normal sunshine hours by comparing interpolations of the annual average for each year to the long-term average for 1981–2010. The most recent three-year average (2014–16) percent of normal annual sunshine hours was created by averaging the three individual year interpolations.

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