



Lightning, 2001–2016

Metadata

File Identifier

112e7479-c7bd-c26d-f302-7aa60ae2ee88

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

WGS 84

Identification Info

Data Identification

Citation

Citation

Title

Lightning, 2001-2016

Date

Abstract

Lightning is the discharge of electricity from thunderstorms and can occur within a cloud, between clouds, or between a cloud and the ground. By international standards, lightning does not occur frequently around New Zealand. However, ground strikes can injure or kill people and livestock, damage property and infrastructure, and, although rarely in New Zealand, spark forest fires. Thunderstorms are often associated with other severe weather events, such as strong wind gusts and hail. Thunderstorms may increase in frequency and intensity with climate change. 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

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-Extreme-weather-events

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

Creative Commons Attribution 4.0

Use Constraints

Restriction Code

copyright

Resource Constraints

Legal Constraints

Use Limitation

Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

Use Constraints
Restriction Code
license

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

Extent
EX_Extent
Geographic Element
EX_Geographic Bounding Box
166.00019999999998178.9997-47.9994-33.0006

Distribution Info
Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.mfe.govt.nz/layer/89428-lightning-20012016/>

Data Quality Info

DQ _ Data Quality

Scope

DQ _ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI _ Lineage

Statement

Source: MetService courtesy of Transpower New Zealand Limited Method: Lightning is the discharge of electricity from thunderstorms that equalises areas of positive and negative charge, for example, between a storm cloud and the ground. Thunderstorms form as a result of rapidly rising air with high moisture content (humidity). The New Zealand Lightning Detection Network (NZLDN) owned by Transpower and operated by MetService records the number of lightning ground strikes. Sensors around the country detect lightning over the New Zealand land mass and a short distance out to sea (approximately 500km). These sensors detect the electrical discharge, location, and other parameters, such as current strength. The NZLDN records both cloud-to-cloud and cloud-to-ground strikes. Generally, the location of cloud-to-ground strikes can be determined to within approximately 1 km.

Metadata Constraints

Legal Constraints

Use Limitation

Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

Access Constraints

Restriction Code

license

Metadata Constraints

Legal Constraints

Use Limitation

Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

Use Constraints

Restriction Code

license