

Canterbury Earthquake (14 Feb 2016) Geodetic Marks

Metadata

File Identifier

a6160cf6-4547-461a-6477-2b4d0624d4a4

Language

eng

Character Set

Character Set Code

utf8

Hierarchy Level

Scope Code

dataset

Hierarchy Level Name

dataset

Contact

Responsible Party

Individual Name

omit

Organisation Name

LINZ - Land Information New Zealand

Position Name

Chief Geodesist - National Geodetic Office

Contact Info

Contact

Phone

Telephone

Voice

04 4600110

Address

Address

Delivery Point

155 The Terrace

City

Wellington

Postal Code

6011

Country

New Zealand

Electronic Mail Address

info@linz.govt.nz

Role**Role Code**

resourceProvider

Date Stamp**Date**

2016-04-12

Metadata Standard NameANZLIC 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**

Canterbury Earthquake (14 Feb 2016) Geodetic Marks

Date**Date****Abstract**

Coordinates computed from surveys undertaken after the 14 February 2016 Canterbury earthquake. These should be consistent with any observations made after this earthquake (neglecting any localised deformation such as that due to liquefaction). **For further information about this dataset, see [the Canterbury earthquake information](<http://www.linz.govt.nz/land/surveying/canterbury-earthquakes/geodetic-survey-control-network>).** These coordinates are only provisional. Analysis is ongoing as further data is collected. Coordinates were calculated using SNAP v2.5.33. Stations were constrained using coordinates of

distant PositionZ continuous GNSS stations that were unaffected by the earthquake. The standard deviations of coordinates are 0.01m horizontally and 0.02m vertically, relative to the PositionZ network. Coordinate changes due to the earthquake have been calculated by comparing pre and post-earthquake coordinates. Pre-earthquake coordinates were calculated relative to public and private continuous GNSS stations. These continuous GNSS stations had data processed for several days early in 2016 (before the earthquake). Other pre-earthquake geodetic data was then readjusted with the continuous GNSS data. Note that this means these coordinate changes may differ slightly from those that would be calculated by comparing the post-earthquake coordinates with those currently in the Geodetic Database. These coordinates are suitable for use in surveys and other geospatial activities in Canterbury and Christchurch.

Purpose

To support the geospatial reference frame in post-earthquake Canterbury, including Christchurch.

Status

Progress Code

onGoing

Point Of Contact

Responsible Party

Individual Name

omit

Organisation Name

LINZ - Land Information New Zealand

Position Name

Chief Geodesist - National Geodetic Office

Contact Info

Contact

Phone

Telephone

Voice

0800 665 463 or +64 4 460 0110

Facsimile

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Address

Address

Delivery Point

155 The Terrace

City

Wellington

Postal Code

6011

Country

New Zealand

Electronic Mail Address

info@linz.govt.nz

Role

Role Code

pointOfContact

Resource Maintenance

Maintenance Information

Maintenance And Update Frequency

Maintenance Frequency Code

asNeeded

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

LAND-Geodesy

Keyword

HAZARDS-Earthquake

Keyword

LAND-Cadastre

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

Security Constraints

Classification

Classification Code

unclassified

Resource Constraints

Legal Constraints

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Use Constraints

Restriction Code

license

Spatial Representation Type Code

textTable

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

location

Extent

EX _ Extent

Geographic Element

EX _ Geographic Bounding Box

172.481134684172.77109421-43.7027371215-43.3893206049

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/53322-canterbury-earthquake-14-feb-2016-geodetic-marks/>

Data Quality Info

DQ _ Data Quality

Scope

DQ _ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI _ Lineage

Statement

The standard deviations are 0.01m horizontally and 0.02m vertically. Coordinates derived from geodetic surveys carried out to Order 4 and 5 standards, as well as 24-hour Continuously Operating GNSS Station (CORS) data obtained from LINZ, GeoNet, GeoSystems and Global Survey. This layer will be updated as further geodetic data becomes available, until such time as the Geodetic Database is updated.

Metadata Constraints

Security Constraints

Classification

Classification Code

unclassified

Metadata Constraints

Legal Constraints

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