

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 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

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 PositionNZ 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 PositionNZ 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

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Country

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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

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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

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