

NZ Government GNSS CORS

Metadata

File Identifier
| a588c881-c11c-da2b-4599-55822658df1e

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

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

| 2011-09-20

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

urn:ogc:def:crs:EPSG::4326

Identification Info

Data Identification

Citation

Citation

Title

NZ Government GNSS CORS

Date

Abstract

The NZGD2000 Government CORS provides the locations of GNSS Continuously Operating Reference Stations operated by GNS Science under the GeoNet project (<http://www.geonet.org.nz>). Coordinates are from the LINZ Geodetic Database, in NZGD2000. These are split into several different networks: - PositionNZ - stations predominantly funded by LINZ, with some GeoNet funding. These provide a nationwide coverage of ~120km spacing. More info [here](<http://apps.linz.govt.nz/positionz/>) - GeoNet - stations funded by the GeoNet project. These are located in areas of geophysical interest, usually on the East Coast of the North Island. More info [here](<http://www.geonet.org.nz>) - SAGENZ - stations funded by the University of Otago, GNS Science, MIT, University of Colorado and UNAVCO. These Southern Alps Geodetic Experiment - New Zealand stations are generally semi-continuous sites. - Tide Gauge - stations co-located with tide gauges at major ports. Data is managed through the GeoNet project also. 30" RINEX data from all of these sites is available from the [GeoNet website](<http://www.geonet.org.nz>) Real Time data is available from all PositionNZ stations, and some GeoNet stations. For more information, see the [PositionNZ-RT website](<http://apps.linz.govt.nz/positionz/rt/index.php>)

Status

Progress Code

historicalArchive

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

+64 4 460 0110

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
notPlanned

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

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Use Constraints

Restriction Code

license

Resource Constraints

Security Constraints

Classification

Classification Code

unclassified

Spatial Representation Type Code

vector

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

geoscientificInformation

Extent

EX _ Extent

Geographic Element

EX _ Geographic Bounding Box

166.57454768-175.630927882-77.8489849167-35.0689327111

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/51029-nz-government-gnss-cors/>

Data Quality Info

DQ _ Data Quality

Scope

DQ _ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI _ Lineage

Statement

These coordinates are generated by GNS Science by processing several days of GNSS data in the Bernese software package. They were then converted to NZGD2000, and loaded into Landonline. They are considered to be very consistent internally, however they have not been connected to local geodetic control. Because of this there may be inconsistencies between the coordinates of these CORS and local geodetic control marks. Initial stations were installed as early as 1995, operated by GNS Science. SAGENZ and Tide Gauge stations came online around 2000. PositionZ and GeoNet stations began construction in late 2002, and these networks have been expanding since. The PositionZ network is now at a stable number, however new GeoNet stations are still being installed.

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Classification

Classification Code

unclassified