

NZ Airborne Gravity Bouguer Anomalies at Ground Surface (2013-2014)

Metadata

File Identifier

72ad994a-b6e3-fc12-a01a-10f051c6782f

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

2017-01-31

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

4167

Identification Info

Data Identification

Citation

Citation

Title

NZ Airborne Gravity Bouguer Anomalies at Ground Surface (2013-2014)

Date

Abstract

The national airborne gravity dataset is comprised of more than 50,000 linear km of flight observations, covering the three main islands of New Zealand and up to 10km offshore. This dataset provides a 1 arc minute raster image of the Bouguer anomalies, which have been downward continued to the ground surface (McCubbine et al, 2017). The national airborne gravity dataset was collected as a joint project between Land Information New Zealand (LINZ), GNS Science (GNS) and Victoria University of Wellington (VUW). The airborne survey was completed in a total of eight months, over two campaigns: August – October 2013, and February – June 2014. **Users may also be interested in other layers created for the free-air anomalies at ground surface and the along track observations from the gravity flight

lines at flight elevation** [NZ Airborne Gravity Free-Air Anomalies at Ground Surface (2013-2014)](<https://data.linz.govt.nz/layer/3532>) and [NZ Airborne Gravity Flight Lines at Elevation (2013-2014)](<https://data.linz.govt.nz/layer/3531>). McCubbine, J. Stagpoole, V. Caratori-Tontini, F. Amos, M. Smith, E. and Winefield, R. (2017). Gravity anomaly grids for the New Zealand region. Manuscript submitted for publication New Zealand Journal of Geology and Geophysics.

Purpose

Purpose of this dataset is to supply the national airborne gravity dataset for use in geophysical research and mapping.

Credit

GNS Science

Credit

Victoria University of Wellington

Credit

Land Information New Zealand

Status

Progress Code

completed

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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155 The Terrace

City

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New Zealand

Electronic Mail Address

info@linz.govt.nz

Role

Role Code

pointOfContact

Point Of Contact

Responsible Party

Individual Name

omit

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Country

New Zealand

Electronic Mail Address

info@linz.govt.nz

Role

Role Code

resourceProvider

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

Descriptive Keywords

Keywords

Keyword
GEOSCIENCES-Geophysics

Keyword
LAND-Geodesy

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

Use Limitation

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Use Constraints

Restriction Code

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Use Constraints

Restriction Code

license

1.8

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

geoscientificInformation

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

163.983413179.483723-47.99976-32.99946

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/53530-nz-airborne-gravity-bouguer-anomalies-at-ground-surface-2013-2014/>

Data Quality Info

DQ _ Data Quality

Scope

DQ _ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI _ Lineage

Statement

This dataset is comprised of the downward continued Bouguer anomalies from the national airborne gravity survey. The downward continued process was completed using least squares collocation, a process which grids the dataset while reducing the data observed at elevation to the ground surface. The airborne survey was observed over a period of eight months, over two campaigns: August – October 2013, and February – June 2014.

Metadata Constraints

Security Constraints

Classification

Classification Code

unclassified

Metadata Constraints

Legal Constraints

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