

Canterbury Earthquake Geodetic Marks (2010, 2011) - Simple

Title
| Canterbury Earthquake Geodetic Marks (2010, 2011) - Simple

Creator
| LINZ - Land Information New Zealand

Date
| 2013-02-07

Description
| The Canterbury region of New Zealand experienced a sequence of significant earthquakes during 2010 and 2011. These earthquakes occurred on 2010-09-04, 2011-02-22, 2011-06-13 and 2011-12-23. The coordinates in this layer account for all significant movements relating to these, so should be consistent with any observations made after the last earthquake to affect a given area (neglecting localised deformation such as that due to liquefaction). **Users may also be interested in the more comprehensive data in the companion layer [Canterbury Earthquake Geodetic Marks (2010, 2011) - Comprehensive] (<http://data.linz.govt.nz/layer/1588>).** These coordinates are only provisional. Analysis is ongoing as further data is collected. Coordinates were calculated using SNAP v2.3.61. Stations were constrained using coordinates calculated by GNS Science. Some coordinates were calculated from data provided by Christchurch City Council. No precise levelling data has been used. The estimated accuracy is 0.02m horizontally and 0.03m vertically. The deformation model `igns2011_working.grd` calculated from a model (v4) provided by GNS Science on 28 April 2011 was used to remove secular deformation. These coordinates are suitable for use in surveys and other geospatial activities in Canterbury and Christchurch. **For further information about this dataset, see [the Canterbury earthquake information] (<http://www.linz.govt.nz/survey-titles/canterbury-earthquake/canterbury-earthquake/geodetic-survey-control-coordinates>) on the LINZ website.**

Source
| The estimated accuracy is 0.02m horizontally and 0.03m vertically. This data is identical to that contained in the csv file at: http://www.linz.govt.nz/sites/default/files/survey-titles/cadastral-surveying/canterbury-earthquake/information-surveyors/canterbury_eq_linz_coords_simple_v0.6.csv

Coverage
| -44.02 171.23 -42.46 172.55

Identifier
| <https://data.linz.govt.nz/layer/51589-canterbury-earthquake-geodetic-marks-2010-2011-simple/>

Type
| textTable

Language
| eng

Subject
| New Zealand

Subject
| LAND-Geodesy

Subject
| HAZARDS-Earthquake

Subject
| LAND-Cadastre

Subject
| location