

Metadata Report

Project Name

“High resolution point cloud over Santiago, Chile derived from SPOT satellite imagery acquired in 2014”

Summary

Personnel

- PI(s): Dr John R. Elliott – University of Leeds, UK
- Additional team: Dr Ekbal Hussain - British Geological Survey, UK

Site Information

- Location: Santiago, Chile
- Objective: Map the trace of the San Ramon Fault to the east of the city and look for fault scarps within the city.

Products

- Date of dataset: 2014
- WGS84
- 10 metres
- Data format: .laz format
- Photogrammetry analysis conducted using ERDAS 2015

Misc Notes

- Post processing of point cloud using lastools to remove floor noise
- Paper reference: Hussain, E., Elliott, J.R., Silva, V., Vilar-Vega, M. and Kane, D., Contrasting seismic risk for Santiago, Chile, from near-field and distant earthquake sources. *Natural Hazards & Earth Systems Sciences*, accepted