

Dataset Name:

Digital Elevation Model of Chabbi (East side of Corbetti volcano), Ethiopia

Collection Platform:

Airborne Lidar

References:

Hutchison, W., T. A. Mather, D. M. Pyle, J. Biggs, and G. Yirgu (2015). Structural controls on fluid pathways in an active rift system: A case study of the Aluto volcanic complex, *Geosphere*, 11(3), 542-562.

<https://doi.org/10.1130/GES01119.1>

Hunt, J. A., D. M. Pyle, and T. A. Mather (in review, 2019). The geomorphology, structure and lava flow dynamics of peralkaline rift volcanoes from high-resolution digital elevation models, *Geochemistry, Geophysics, Geosystems*

Dataset Overview:

Lidar data were acquired by the UK Natural Environmental Research Council's Airborne Research and Survey Facility (NERC ARSF) in November 2012. From this data, a DEM of 2 m resolution was generated using GRASS (Geographic Resources Analysis Support System; <http://grass.osgeo.org/>) as described in Hutchison et al. (2015).

Dataset Acknowledgement:

Airborne lidar data for Corbetti were collected during the NERC ARSF campaign ET 12-17, and initial processing was carried out by NERC ARSF Data Analysis Node.

Date Acquired: November 2012

Area: 126.72 km²

Pixel size: 2 m

Co-ordinate system: WGS84 / UTM Zone 37N [EPSG:32627]