

Dataset Name:

Digital Elevation Model of Fentale volcano, Ethiopia

Collection Platform:

Pleiades-HR 1A

References:

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:

The raster DEM was generated from a point cloud, also uploaded to available from OpenTopography. This point cloud was generated from Pleiades stereo panchromatic optical images with 50 cm resolution. The data were processed using the Leica Photogrammetry Suite within ERDAS Imagine.

Dataset Acknowledgement:

Funding for Pleiades imagery was provided by a grant from COMET (NERC Centre for the Observation and Modelling of Earthquakes, Volcanoes, and Tectonics). Processing work was supported by a studentship from NERC as part of the Environmental Research DTP (University of Oxford).

Date Acquired (DD/MM/YYYY): 22/05/2014

---

Area: 178.52 km<sup>2</sup>

Pixel size: 0.5 m

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