

Co-seismic crustal deformation associated with the 2007 Noto Hanto Earthquake, central Japan

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We attempted to portrait of crustal deformation with the use of 1m-Digital Elevation Model (1m-DEM) by airborne LIDAR before and immediately after the Noto Hanto Earthquake in 2007. Height of former shorelines of Middle terrace I surface (MI) which compared MIS5e consistent with pattern of distribution of former shoreline and crustal deformation of MI by The Noto Hanto Earthquake in 2007. If similar the earthquake recurred, recurrence period is 1,700 year, average uplift rate is about 0.3mm/yr at the region of amount of maximum coseismic uplift.