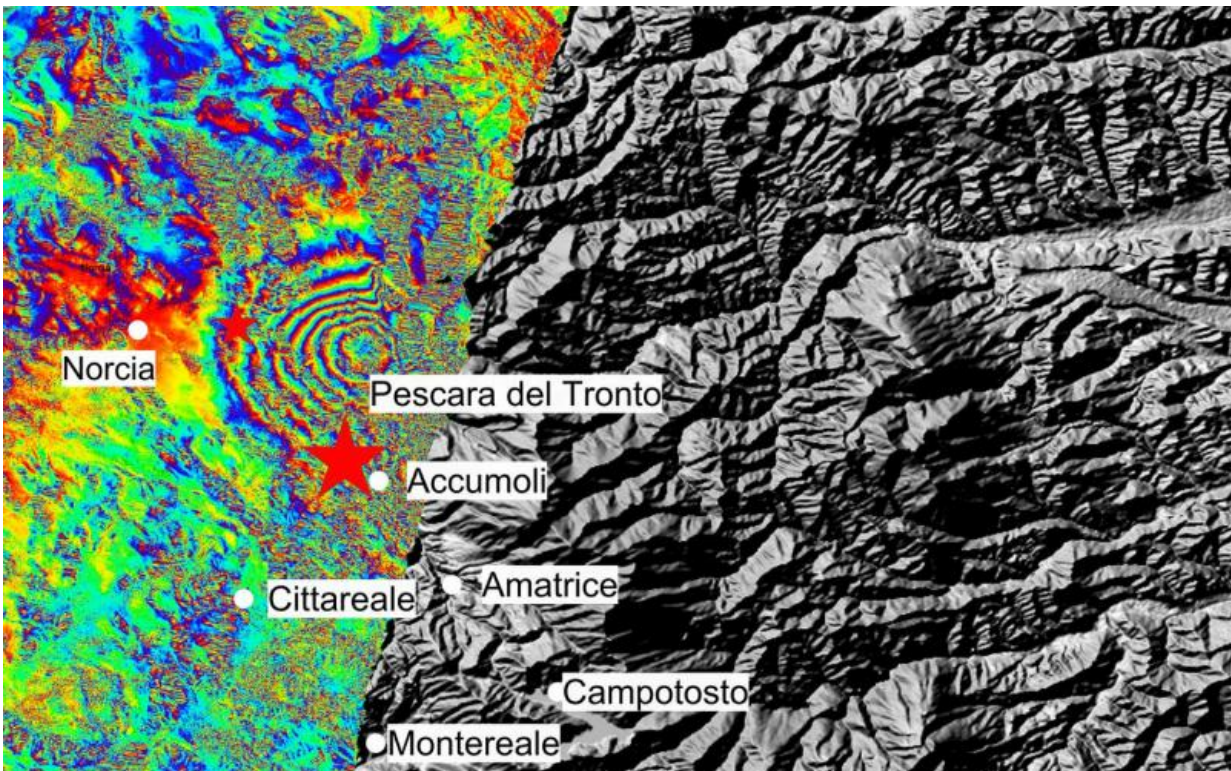


Image: Land shifts in Italy

August 29 2016



Credit: Contains modified Copernicus Sentinel data (2016)/ESA/ CNR-IREA

Combining two Sentinel-1 radar scans from 20 August (Sentinel-1B) and 26 August 2016 (Sentinel-1A), this interferogram shows changes that occurred during the 24 August earthquake that struck central Italy.

The seven interferometric 'fringes' correspond to about 20 cm of [surface deformation](#) in the radar sensor line of sight. Each fringe (which is

associated to a colour cycle) corresponds to approximately 2.8 cm of [displacement](#).

Although Sentinel-1 has a swath width of 250 km over land surfaces, its pass over Italy on 26 August did not cover the entire area affected. Another acquisition planned for 27 August will cover the entire earthquake zone.

Provided by European Space Agency

Citation: Image: Land shifts in Italy (2016, August 29) retrieved 26 April 2024 from <https://phys.org/news/2016-08-image-shifts-italy.html>

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