

# EARTHQUAKE IN JAJARKOT & RUKUM DISTRICTS

## NEPAL

As Observed by Sentinel-1 image on 03 November 2023



### Description

This map shows the line of sight displacement generated from interferometric analysis using Sentinel-1 images (Ascending track), acquired before and after the Earthquake occurred on 3rd November 2023 with 5.6 magnitude on Richter scale near Jajarkot & Rukum Districts of Nepal.



**153**  
NUMBER OF DEATHS



**349**  
NUMBER OF INJURED



**17,740**  
DESTROYED BUILDINGS

Source: ReliefWeb OCHA 07 November 2023

### Legend

- District Boundary
- Roads
- Epicenter

### Line of sight Displacement Values(m)

- 0.002176123 to 0.046381197
- 0.046381197 to 0.066245556
- 0.066245556 to 0.081143824
- 0.081143824 to 0.096593881
- 0.096593881 to 0.138529748

Negative values indicate movement away from sensor (subsidence) and Positive values indicate movement towards the sensor (upliftment).

### Credits

Image Courtesy Sentinel Hub

### Data Source

#### Satellite Image:

Pre-disaster : Sentinel 1 SAR, 10 October 2023  
Post-disaster: Sentinel 1 SAR, 03 November 2023

**District Boundary & Roads:** diva-gis.org

### Disclaimer

"Accuracy of this product is not validated by ground truth data"



28°57'40"N

28°51'20"N

28°45'0"N

81°53'0"E

81°59'20"E

82°5'40"E

82°12'0"E

82°18'20"E

82°24'40"E

Scale 1:200,000

0 1.75 3.5 7 10.5 14 Kilometers

Coordinate System: GCS WGS 84  
Unit: Degree Minutes Seconds

Acquisition Date: 03 November 2023

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community