6.3

Magnitude

Place: 105 km WNW of Kirakira
Time: 27 January, 05:02 GMT
Depth: 17.68 km
Coord.: Lat: -10.11 Lon: 161.02
Populat.: 3,800 within 30 Km

Automatically generated SHAKE MAP powered by:
ADAM - Automated Disaster Analysis and Mapping

27 January 2020 07:20:37 GMT

MODIFIED MERCALLI INTENSITY SCALE:
6.4/10

Intensity class VI:
Felt by all; some are frightened and take cover. People have difficulty walking due to motion. Objects fall from shelves and dishes, glassware and ceramics may be broken. Pictures fall off walls. Furniture moves or is overturned. Weak plaster and masonry cracked. Damage slight in poorly constructed buildings. Trees, bushes shaken visibly or are heard rustling.

Concepts and definitions

Shake Map combines instrumental measurements of shaking with information about local geology and earthquake location and magnitude to estimate potential impacts throughout a geographic area. The estimated intensity map is derived from ground motions recorded by seismographs and represents Modified Mercalli Intensities (MMI’s) that are likely to have been associated with the ground motions.

Magnitude and Intensity measure different characteristics of earthquakes. Magnitude measures the energy released at the source of the earthquake. Magnitude is determined from measurements on seismographs. Intensity measures the strength of shaking produced by the earthquake at a certain location. Intensity is determined from effects on people, human structures, and the natural environment. (Source: USGS)