Seismic signals light Intensity scale



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Earthquake characteristics

Importance of the seismic intensity

Historical development of the Modified Mercalli Scale

1902





Michele Stefano modifies it to Conte de Rossi y François-Alphonse XII degrees Forel develop a 10-degree scale to measure seismic effects

1883

spread:

Harry O. Wood **Giuseppe Mercalli** v Frank Neumann

Seismic waves diminish according to distance, and the physical features through which they

Acapulco

improve it and give way to the Modified Mercalli Intensity Scale presently in use

Why is it better to report the intensity of an earthquake?

Intensity

Describes the effects of an earthquake on people, soil and buildings



Magnitude

Unique value estimated to understand how much energy was liberated during the earthquake



Whenever here is an earthquake. Servicio Sismológico Nacional = National Seismological Service reports:







Magnitude Date and time

Depth

Geographical location

It is important

To be aware how intensity is distributed: that is. effects caused by an earthquake on people, soil, and buildings





Allocate priority of resources and foresee actions needed in case of possible damage





Identify exposed people and infrastructure

The closer to the epicenter, the stronger the way it is perceived

How does the intensity of an earthquake change?



Long distance will not permit the perception



Cuernavaca

Monterrey

