

Teleseismic Study of Ecuador Earthquake Using IMS Stations in Africa

The African region is covered by 22 (primary and auxiliary) IMS seismic stations and 8 infrasound stations. The ability of these stations to be deployed for scientific purposes was assessed using two earthquakes that occurred in Ecuador on 12 August, 2010 and 16 April, 2016. The data from these stations were used to locate both events. Some of the stations recorded data that were used to locate the two events while some did not. This study presents a performance analysis of these stations on the date of the events and an analysis of both events.

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Track Classification: 1. The Earth as a complex system