

Temporary aftershock observation for the 2004 off Sumatra earthquake at Banda Aceh

Muzli .[1]; Hiroaki Negishi[2]

[1] BMG; [2] NIED

Meteorological and Geophysical Agency of Indonesia conducted the temporal observation of the aftershocks of the 2004 off Sumatra earthquake. They placed only one station in Banda Aceh, but many earthquakes have recorded. We try to determine these hypocenters using single station, three-component waveform data. Totally 72 hypocenters can be determined for the events during the period from December 29, 2004 to January 9, 2005. Magnitude of the 18 events are larger than 4. These data is very important in the clarification of this earthquake due to the lack of the seismic network for micro earthquakes around the region.