

Earthquake Location Capability of the Thailand Seismic Network



Patinya Pornsopin¹, Nattawut Dandee¹, and Weerachat Wiwegwin²

¹Thai Meteorological Department (TMD), ²Department of Mineral Resources (DMR)

P3.5-329

The analysis focused on the earthquake detection and localization of Thailand's seismic network. A total of 173 seismic stations were used to assess the P-wave impulse amplitude, determining the detection threshold and completeness magnitude, Mc for the network. The average Mc for earthquake location is ~2.9, based on data from at least four stations. Notably, in Chiang Mai Province can detection of earthquakes M<1.5 due to the dense station.

Come over to see our poster if you would like to find out more about:

- Thailand seismic network
 - Seismic station, Equipment types
 - Methodology to analyse earthquake location capability of seismic network.
- Thailand earthquake catalogues.

