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Detection Capability of the Mongolian Seismic Network

In 1957, international geophysical year, very first seismic station was installed in Mongolia and seismic monitoring started from this year. The Mongolia is seismically active region and generally, seismic activity of Mongolia is associated with the deformation induced by the collision between India and Eurasia. Several strong earthquakes took place in Mongolia last century. The Mongolian Seismic Network has been expanding year by year and now seismic stations including 5 mini-arrays (one of them belongs to CTBTO) are working at 12 separate points in Mongolian territory. A seismicity of Mongolia is recorded by The Mongolian Seismic Network, sparse network at present and determining and improving of detection capability of the Mongolian Seismic Network is important for seismic event detection and characterization in Mongolia. We will present Detection Capability of the Mongolian Seismic Network in this poster.

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