

Status of the CTBTO Link to the ISC Database

The Link to the database of the International Seismological Centre (ISC) provides both PTS and National Data Centres a dedicated access to datasets maintained by ISC using specially designed graphical interfaces and database queries. This service gives access to several products: the ISC/ISS bulletins of natural seismicity of the Earth, mining induced events, nuclear and chemical explosions; the ISC-EHB bulletin and the IASPEI Reference Event list (GT) and ISC Event Bibliography.

The database searches are tailored to the needs of the monitoring community and divided into four categories: the Area based spatio-temporal search (based on ISC Bulletin), the REB based spatio-temporal search (based on specific REB events), the GT event based search and the IMS station based search (historical reporting patterns of stations close to IMS sites).

We made improvements to the waveform preview/request tool that deals with non-IMS waveform records of the REB and GT events as well as to the tool that allows on-line ISCloc/RSTT relocation of the REB events using additional station data available at ISC. We now provide references to scientific articles describing CTBT relevant events. The service has been extensively used by the NDCs and PTS and proved useful during a number of CTBTO Exercises.

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