

Link to the International Seismological Centre Database Providing Access to Current and Historical Seismic Data

Wednesday, June 21, 2023 10:09 AM (1 minute)

The CTBTO link to the database of the International Seismological Centre (ISC) is a service provided on behalf of and by arrangement with the International Data Centre. The link provides the Provisional Technical Secretariat (PTS) and National Data Centres (NDC) with dedicated access to long term definitive global datasets maintained by the ISC. Functionality includes specially designed graphical interfaces, database queries and non-International Monitoring System (IMS) waveform requests. This service gives access to the ISC bulletins of natural seismicity of the Earth, mining induced events, nuclear and chemical explosions (specifically 1085 nuclear explosions from 1961 - 2017); the ISC-EHB dataset; the IASPEI Reference Event list and the ISC Event Bibliography. The link is a useful tool for accessing historical event data which can be used for training and calibration work commonly carried out by the NDCs and PTS. The searches are tailored to the needs of the monitoring community and allow for area-based searches and comparisons between the ISC bulletin and the Reviewed Event Bulletin. Additionally known historical nuclear explosions can be searched as a subset of both bulletins. Recently we have developed an expanded station search function for both IMS and non-IMS stations allowing the user to check suspected time periods of inverted polarities at openly available seismic stations.

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Promotional text

The CTBTO Link to ISC database is a tool for users to access present and historical data (including historical nuclear test data) enhancing the capabilities of the scientific community and contributing towards CTBTO training efforts

Oral preference format

in-person

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Session Classification: Lightning talks: P2.5, P4.1, P4.2, P4.3

Track Classification: Theme 2. Events and Nuclear Test Sites: T2.5 Historical Data from Nuclear Test Monitoring