

Event Parameters in Geotool Using Non-International Monitoring System Stations

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Version 3 of Geotool (aka GeotoolQt) provides a powerful, easy to use interface with data import facilities for International Monitoring System(IMS) and non-IMS stations. IMS-related information, including parameters of events and arrivals, as well as waveform data, can be imported directly from VDMS while non-IMS information can be directly retrieved from FDSN web services, including but not limited to IRIS and GFZ. We demonstrate these new features based on a use case where a reviewed Event Bulletin (REB) event and its related data is imported from VDMS. Additional waveform data of non-IMS stations are retrieved from GFZ. The REB event parameters (location, magnitude, gap etc.) are then refined with the additional arrivals on the non-IMS stations resulting in an improved event location and reduced error ellipse.

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Promotional text

Efficient refinement of event parameters using Geotool's new data import facilities.

Oral preference format

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