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of Iraqi NDC events analysis

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Through the International Monitoring System (IMS) of the Comprehensive Nuclear Test Ban Treaty (CTBT) and through their continuous work despite COVID-19, we still benefit from IMS data and the International Data Center (IDC) products. We analyzed many events that occurred and detected via infrasound stations. As the meteor in Turkey on 27 May 2020 which was analyzed with software DTK-(G)PMCC and located with the Geotool and compared results with the catalog reference of analyzed events of NASA. As well as the explosion that occurred in Russia near Achinsk on 5 August 2019, which generated intense infrasound signals including both seismic and acoustic arrivals from infrasound and seismic stations of IMS, and also took the opportunity to analyze and locate event via both the DTK-(G)PMCC and the Geotool.

Through SeisComp3 software already installed in our Iraqi NDC an acquisition system to process the real-time data. We will display an earthquake that occurred On 3 June 2020 at the Iraq-Iran border, which was monitored by the Iraqi seismic stations and detected by SeisComp3 and our local stations not belonging to IMS stations and Geotool for analysis and comparing results.

Promotional text

Analysis of seismo-acoustic data for IMS by NDC Iraq using NDC -in- a -Box tools

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