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## Infrasound analysis associated with the Beirut explosions recorded on 4 August 2020

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An explosion was reported on the 4th of October in the Port of Beirut (Lebanon), by IMS infrasound stations. News reported that the explosion was due to a large quantity of ammonium nitrate stored in the port that exploded (equivalent to around 1.1KT of TNT). The infrasonic signal was observed by several infrasound IMS stations, among them the Tunisian one (IS48). Data was processed with DTK-PMCC software to categorize the wave parameters for other infrasound stations.

### Promotional text

Tunisian NDC monitor events detected by IMS stations and give a high importance to data analysis (SHI and R) in order to support the Comprehensive Nuclear test ban Treaty verification regime. Explosion happened in Beirut the 4th of October was the best challenge event on the 2020

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