

## Infrasound wave-trains from the Russian meteorite detected by CTBTO's infrasound observation network

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Infrasound is one of four technologies (including seismic, hydroacoustic and radionuclide) the CTBTO (Comprehensive nuclear-Test-Ban Treaty Organization) uses to monitor the globe for violations of the CTBT that bans all nuclear explosions. There are currently 45 infrasound array stations in the CTBTO's network that measure micropressure changes in the atmosphere and data from the stations is sent in near real time to Vienna, Austria, for analysis at the CTCTO/IDC (International Data Centre). And both the raw and analyzed data are provided to all Member States.

Infrasound wave-trains from the meteorite that passed and broke up over Russia on 15 February 2013 were detected by more than 10 infrasound stations in the CTBTO's network.

In the presentation, we introduce all infrasound records observed at stations in the CTBTO's network and try to discuss the estimated energy released and how the meteorite broke up.

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