

of the Infrasound Monitoring System and data transfer

The infrasound technology system has been designed for the detection of atmospheric nuclear explosions and/or Natural disaster and pressure fluctuations produced in the frequency range. The majority of the monitoring chains used in this network also record pressure fluctuations at lower frequencies. Also, the infrasound technology is the one of the International Monitoring System (IMS) network of Comprehensive Nuclear Test Ban Treaty Organization (CTBTO) for transfer the data from the station to the International Data Center (IDC). In this study, I want to demonstrate that the pressure fluctuations recorded by most IMS infrasound stations could be used to study GWs. Since IMS stations are regularly calibrated and record pressure fluctuations all over the Earth's surface, they provide an accurate and reliable stream of data useable to study the entire GW band on a worldwide scale.

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