

detection of celestial objects

I. H. Hamama , M. N. ElGabry, H. M. Hussein National Research Institute of Astronomy and Geophysics, 11421 Helwan, Egypt . Infrasound is one of the most important technology which used in detection of surface nuclear explosions. The very low frequency of sound waves are still the secret to detect very far objectives, surface explosion In the early morning of 7th of October 2008, infrasound signals which are related to the explosion of the asteroid TC3, These signal are recorded over 2487 Km in Kenya Infrasound station . In 2013 a small meteor approached to the earth and entered the atmosphere with high speed and destroyed over Chelyabinsk, This event is one of the largest events which is recorded by infrasound technology. On Feb. 6, at about 14:00 UTC, a tiny chunk of interplanetary material plunged into Earth's atmosphere and burned up—likely exploding—about 30 kilometers above the Atlantic Ocean. The energy released was equivalent to the detonation of 13,000 tons of TNT.

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