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Infrasound detections from Meteor events in 2019

Meteorites that penetrate the atmospheric layers can cause horror and may have an impact on population and infrastructure. When meteorites explodes in upper atmosphere it produces infrasound waves that can travel long distances with considerable no lose. The data of IMS infrasound stations used with PMCC algorism for interpretation, detecting the location and statistical analysis of two meteorites events. Two events in 2019 were well recorded at International Monitoring System IMS. The first one was a meteorite that exploded on 22 June 2019 detected in three stations (I08, I20, and I51). The second event was also meteorite penetrated 21 May 2019 detected with stations (I05, I22, I36, and I39). The IMS data were capable of locating both events with considerable resolution the first event was located over the Caribbean Sea at (21:30:43) GMT, 170 miles south of Puerto Rico .The second event was located over South Australia near Victoria (13:17:37) GMT. Although these events are irrelevant to the Comprehensive Nuclear Test Ban Treaty CTBT but location and identification of the nature of event is much helping in improving screening event in the verification System. Key Words: Meteorites -Fireball-Infrasound –International Monitoring System

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