ID: Type: **Poster**

T1.1-P08. EAST AFRICAN INFRASOUND STATION PERFORMANCE

Infrasound is one of the four techniques in the verification regime of the CTBT. IMS infrasound network is composed of 60 arrays; each array has 4 to 9 sensors disposed in various geometries and installed in different environment or condition. This network was designed to detect a nuclear explosion at a threshold of 0.5 kt. The purpose of this study is to identify the best infrasound station according to the geometry and the weather condition. Mack and Flinn method combined with temperature and wind speed effects on detection in each station were used. Results will be discussed for pentagon based, enhanced triangle and basic array.

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Track Classification: 1. The Earth as a complex system