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The on-site inspection area coordinate determination method

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This method allows us to determine the most reliable OSI area coordinates and the probability of the infrasound source occurrence by using the signal detection results, time of signal event and an azimuth of the signal according to information from IMS stations.

The method is based on the construction of the complex probability map and furthers its analysis according to CTBT OSI area limits. In the present research work, the chosen coordinate pitch, the pitch of source event time and its addition, and also a possibility of elimination from processing of associated but not identified signals are explained.

Promotional text

This method allows to determinate the most reliable OSI area coordinates and the probability of the infrasound source occurrence by using the signal detection results, time of signal event and an azimuth of the signal according on information from IMS stations.

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