

of Infrasound Events Location and Source Discrimination in Central Eurasia Region

Kazakh NDC provides infrasound signal detection and event localization since 2013. Data come from a network consisting of two Kazakhstani infrasound arrays IS31 and Kurchatov and also Russian station IS46. Construction of another infrasound array at Kazakhstan is at the final stage. It is at the East of Kazakhstan. The station collocates with seismic array at Makanchy, PS23. For the moment event bulletins are available for almost three years of observations. Analysis of these data allows to extract regions with high density of infrasound sources. It is possible to study seasonal changes at the network detectability. Initial discrimination of some frequently acting sources is resolved. Unseasonable detectability changes are also preliminary explained.

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