

2.3-P20. THE VARIETY OF INFRASOUND SOURCES RECORDED BY KAZAKHSTANI STATIONS

The Institute of Geophysical Researches (IGR) of the Atomic Energy Agency of Kazakhstan Republic possesses records from Kazakhstani seismic and infrasound stations for the period from sixties of the twenty century till present. Digital and analog records from the infrasound and seismic stations and arrays were used for the study purposes. Infrasound signals from natural and industrial sources were extracted. These sources are ocean storms, gas flares at oil fields, quarry blasts, aircrafts, spaceship launches and deorbiting, earthquakes, thunderstorms, meteoroids and even volcano eruptions. Moreover, IGR analog archives contain large amount of historical records with infrasound signals from atmosphere nuclear tests conducted at Semipalatinsk and Novaya Zemlya Test Sites (1961-1962), and large chemical explosion “Massa” (1981) conducted near Almaty city. Waveform analysis for the sources of different nature is presented.

Primary author: SMIRNOV, Alexandr (Kazakhstan National Data Centre)

Presenter: SMIRNOV, Alexandr (Kazakhstan National Data Centre)

Track Classification: 2. Events and their characterization