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Type: **Poster**

monitoring of deorbiting Soyuz crafts on the territory of Central Kazakhstan

Since 1994, a contemporary digital network of seismic and infrasound stations of the IGR NNC RK located throughout the perimeter of the Republic territory has been operating successfully in Kazakhstan. At the present time, KNDC receives in real time mode and processes data from 4 infrasound arrays: Aktyubinsk IS31, Kurchatov KURIS, Makanchi MKIAR, and Russian station Zalesovo IS46. Since May 2011, the bulletins of infrasound detections of signals are made using the data of KURIS station, since March 2012 by Zalesovo I46 station, since 2007 by I31 station, and since 2017 by MKIAR. At the present time the bulletin of infrasound events is created on a regular basis, a huge work is conducted on the source type discrimination. The work shows the infrasound and seismic records of deorbiting Soyuz crafts for the territory of Central Kazakhstan. The peculiarities of the wave pattern of infrasound and seismic signals generated during the deorbiting crafts entering the sensible atmosphere and supersonic motion are considered. These signals were compared with bolide signals. The obtained results can be used for improving the reliability of the KNDC infrasound bulletin events discrimination and replenishment of the reference events database.

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