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Stage of Works on Nuclear Explosions Historical Records Digitization

The IGR during the past twenty years has been conducting a work on digitizing of nuclear explosions records and scanning of seismograms recorded on photo- and ordinary paper and stored at archives of different related Organizations. This work in different years was conducted under some projects financed by: ISTC (1998 – 2000), LDEO (2013-2014), NORSAR (2012), CMR (2000-2002), and under the Kazakhstan grant (2005-2011). Under the different projects, the records of nuclear explosions conducted at different Test Sites of the world were digitized as well as “peaceful” nuclear explosions. It was managed to digitize the records of Central Asia stations that recorded the explosions from Semipalatinsk Test Site, Novaya Zemlya, peaceful nuclear explosions on the USSR territory, Lop Nor, Nevada et al. Currently there is a new project with AFTAC. In addition to seismic records, the project is also aimed at digitizing of microbarograph records that has recorded infrasound signals from the regions of the STS, Lop Nor, Novaya Zemlya Test Sites. The works on digitizing of analog seismograms result in unified format records, metadata generalized by common formats allowing creating a united database of digitized nuclear explosions by Central Asia stations.

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