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From Nuclear Explosions (WFNE)

Waveforms From Nuclear Explosions (WFNE) data repository will be open for the research community's access to source parameter data and associated waveforms from worldwide nuclear explosions. It is based on the former NEDB, which had contained data collected, analyzed and assembled by SAIC/Leidos, using a very large number of sources and ground truth information. It will now contain newly published or revised information, including the recent DPRK events. WFNE is a comprehensive repository on all 2157 nuclear explosions that were detonated in various locations of the world, and includes waveforms from atmospheric, underground and underwater detonations. Also available are raw and parametric data, meta-data summaries for the explosions detonated on different test sites, as well as information on the data providers that have been sourced. All events have parametric data collected from alternative publications and a preferred solution. Over 65,000 waveforms are associated to 678 of the nuclear explosions, ranging from digitized analog recordings for the oldest explosions to recent IMS data. The waveform data have associated station information, including available calibration and instrument responses. The information will be accessible via a web interface with a user account. The waveforms can be viewed, selected and downloaded from the web site.

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Track Classification: Theme 2. Events and Nuclear Test Sites