

AD conversion of earthquake records on old analogue tapes and making a waveform database

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Waveform records on the old analogue tapes are useful for study on long-term changes in some characteristics of earthquakes. Data on analogue tapes are digitized as a whole at 16 times high speed than at recorded time. Then, the data are divided into event records by the automatic reading of time codes. After that the data are transformed into data base system. In actual, more than 1000 volumes of analogue tapes recorded at the Kamitakara Observatory, Kyoto University from 1977 to 1993 are processed and digital records of more than 20GB are produced. These data are also stored in 42 volumes of cd-roms in the form of the Win-format system.