A Big Earth Data Platform for Three Poles

**Near seismic waveform of nangabawa short period dense seismic array (2020.06-2020.07)**

1、Description

The data is the near seismic waveform of nangabawa short period dense seismic array, which contains the original seismic waveform and the preprocessed seismic waveform. The original data are the seismic waveforms cut according to four near earthquake events (Ms 5.2 in Tangshan, Hebei, Ms 5.4 in Huocheng, Xinjiang, Ms 4.2 and Ms 4.0 in Bomi, Tibet). The waveform length is 120s before P wave and 1800s after P wave. Preprocessing includes re-cut the waveform (- 20-100s), band-pass filtering (the frequency band range used in Tangshan, Hebei and Huocheng, Xinjiang is 0.1-1hz, and Bomi, in Tibet is 0.1-2hz), rtrend, rmean, and the ZNE component is rotated to the ZRT component. The quality of the data is good.The fine structure of underground lithosphere can be analyzed by near earthquake waveform.

2、Keywords

Theme：Short-period seismograph,Seismology
Discipline：Solid earth
Places：Nanjiabawa
Time：2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：5500.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.4 | - |
| west：94.2 | - | east：96.0 |
| - | south：29.0 | - |

5、Time frame:2020-06-13 16:00:00+00:00--2020-07-27 03:59:59+00:00

6、Reference method

References to data:

SHEN Xuzhang. Near seismic waveform of nangabawa short period dense seismic array (2020.06-2020.07). A Big Earth Data Platform for Three Poles, doi:10.11888/Disas.tpdc.2717132021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: SHEN Xuzhang
unit: School of Earth Science and Engineering, Sun Yat-Sen University
email: shenxzh5@mail.sysu.edu.cn