A Big Earth Data Platform for Three Poles

**Distribution law of in-situ stress in major engineering areas of Qinghai Tibet Plateau**

1、Description

In situ stress refers to the stress existing in the earth's crust, that is, the force per unit area in the medium caused by rock deformation. This topic obtains in-situ stress data of major engineering areas through literature collection and borehole test in major engineering areas of Qinghai Tibet Plateau. The accuracy of the original data is reliable, and a special person is responsible for the quality review; After review by many people, the data integrity, position accuracy and attribute accuracy meet the requirements of relevant technical regulations and standards, and the quality is excellent and reliable. This data can provide basic data support for the study of the development law of major engineering disturbance disasters and major natural disasters in the Qinghai Tibet Plateau and other research work related to in-situ stress.

2、Keywords

Theme：crustal stress,Land Surface Parameter  
Discipline：Terrestrial Surface,Solid earth  
Places：Tibet Plateau  
Time：2004-2020

3、Data details

1.Scale：None

2.Projection：GCS\_China\_Geodetic\_Coordinate\_System\_2000

3.Filesize：2.25MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.27 | - |
| west：98.33 | - | east：105.7 |
| - | south：22.58 | - |

5、Time frame:2004-04-30 16:00:00+00:00--2020-10-31 03:59:59+00:00

6、Reference method

References to data:

QI Shengwen. Distribution law of in-situ stress in major engineering areas of Qinghai Tibet Plateau. A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2722082021

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7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: QI Shengwen  
unit:   
email: qishengwen@mail.iggcas.ac.cn