A Big Earth Data Platform for Three Poles

**Structural geological mapping profile data of the Hoh Xil (2020-2021)**

1、Description

Structural geological profile along the survey line of deep reflection seismic profile (Dogcuoren Lake-Whale Lake section, with a total length of about 200 km) (scale of 1:100000). The section is mainly drawn based on the field geological survey along the reflection section survey line and the 1:250000 Regional Geological Map of the area where the survey line is located. Combined with the field occurrence data and 1:250000 Regional geological map data, the structural geological section is drawn with CorelDRAW and other software. The geological structure profile drawn at the scale of 1:100000 can roughly reflect the geological structure and structural characteristics along the reflection profile. The geometric structure information obtained from the geological structure section can provide shallow structural constraints for the structural interpretation of the later deep reflection seismic section and the production of the equilibrium section.

2、Keywords

Theme：geologic map,Crustal Motion,neotectonics,Tectonics  
Discipline：Solid earth  
Places：Hoh Xil  
Time：In 2021

3、Data details

1.Scale：100000

2.Projection：

3.Filesize：8.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.0 | - |
| west：88.5 | - | east：89.5 |
| - | south：34.5 | - |

5、Time frame:None--None

6、Reference method

References to data:

GUO Xiaoyu . Structural geological mapping profile data of the Hoh Xil (2020-2021). A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2723932022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: GUO Xiaoyu   
unit: School of Earth Sciences and Engineering, Sun Yat-sen University  
email: guoxy37@mail.sysu.edu.cn