A Big Earth Data Platform for Three Poles

**Photo collection and data of the impact of disaster chain and typical disaster chain on engineering structures in the Himalayas and its surrounding areas**

1、Description

On the basis of satellite image recognition, this data set catalogues and photographs the debris flow disaster chain and landslide disaster chain observed in the Himalayas and its surrounding areas; And fill in the data form, scientific examination log file and distribution map. Discipline scope of this data set: information and system science related engineering and technology - > systematic application of information technology - > geographic information system. This data mainly determines the location and type of disaster and disaster chain through field investigation, and then arranges it into tables and generates original data such as vector data and scientific research logs. The field scientific research areas include Nyingchi, Shannan, Bomi, Basu, Shigatse, Ali and other areas of the Tibet Autonomous Region, and the South-North rift areas such as Yadong, Nyalam, Chentang village, Jilong and Pulan of the South Asia channel.

2、Keywords

Theme：photo,Engineering Geology,disaster chain of landslide,landslide,Formation,South Asia channel,the distribution of landslide and debris flow,tectonic rock zones,regional tectonic background,Himalayan area,Others,disaster chain
Discipline：Solid earth
Places：Motuo, Medog, Yadong, Basu, Rikaze, JilongAli,
Time：2020-2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：110000.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.5 | - |
| west：80.1 | - | east：95.33 |
| - | south：27.48 | - |

5、Time frame:2021-04-30 16:00:00+00:00--2021-09-17 16:00:00+00:00

6、Reference method

References to data:

DENG Hongyan . Photo collection and data of the impact of disaster chain and typical disaster chain on engineering structures in the Himalayas and its surrounding areas. A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2722442022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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