A Big Earth Data Platform for Three Poles

**The SRTM digital elevation model of the Tibetan Plateau (2000)**

1、Description

This data set is a digital elevation model of the Tibetan Plateau and can be used to assist in analysis and research of basic geographic information for the Tibetan Plateau.
The raw data were the Shuttle Radar Topography Mission (SRTM) data, which were provided by Global Land Cover Network (GLCN), and the raw data were framing data , using the WGS84 coordinate system, including latitude and longitude, with a spatial resolution of 3″. After the mosaic processing, the Nodata (null data) generated in the mosaic process were interpolated and filled. After filling, the projection conversion process was performed to generate data as Albers equal area conical projection. After the conversion projection, the spatial resolution of the data was 90 m. Finally, the boundary of the Tibetan Plateau was used for cutting to obtain DEM data.
This data table has two fields.
Field 1: value
Data type: long integer
Interpretation: altitude elevation
Unit: m
Field 2: count
Data type: long integer
Interpretation: The number of map spots corresponding to the altitude elevation
Data accuracy: spatial resolution: 90 m

2、Keywords

Theme：Digital elevation model,Topography
Discipline：Terrestrial Surface
Places：Tibetan Plateau
Time：2010

3、Data details

1.Scale：None

2.Projection：Albers

3.Filesize：403.311MB

4.Data format：栅格

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.0 | - |
| west：73.0 | - | east：104.0 |
| - | south：28.0 | - |

5、Time frame:2000-02-19 08:00:00+00:00--2000-03-01 08:00:00+00:00

6、Reference method

References to data:

Food and Agriculture Organization of the United Nations. The SRTM digital elevation model of the Tibetan Plateau (2000). A Big Earth Data Platform for Three Poles, 2018

References to articles:

Farr, T.G., Rosen, P.A., Caro, E., Crippen, R., Duren, R., Hensley, S., Kobrick, M., Paller, M., Rodriguez, E., Roth, L., Seal, D., Shaffer, S., Shimada, J., Umland, J., Werner, M., Oskin, M., Burbank, D., Alsdorf, D. (2007), The Shuttle Radar Topography Mission, Rev. Geophys., 45, RG2004. https://doi.org/10.1029/2005RG000183

7、Supporting project information

8、Data resource provider

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