A Big Earth Data Platform for Three Poles

**The slope aspect map of the Tibetan Plateau (2000)**

1、Description

This data set contains the digital slope aspect distribution and slope aspect degree data of the Tibetan Plateau, which can be used to assist in basic geographic information analysis and research work on the Tibetan Plateau region.
The raw data were the Shuttle Radar Topography Mission (SRTM) data provided by Global Land Cover Network (GLCN) using the WGS84 coordinate system, and the raw data were framing data, including latitude and longitude data, with a spatial resolution of 3″. After the mosaic processing, the Nodata (null data) generated in the mosaic process were interpolated and filled, and after filling, a projection conversion process was performed to generate an equal-area conical projection of the data bit Albers, after conversion projection, the spatial resolution was 90 m. Finally, the boundary of the Tibetan Plateau was used for cutting to obtain DEM data. Use the spatial analysis module under ArcMap to calculate the slope aspect and generate the slope aspect map.
Pixel data: value
Data type: floating point
Interpretation: slope degree
Dimension: degree
Data accuracy: spatial resolution 90 m

2、Keywords

Theme：Aspect,Topography
Discipline：Terrestrial Surface
Places：Tibetan Plateau
Time：2000

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1028.742MB

4.Data format：栅格

4、Space scope

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

5、Time frame:2000-02-17 16:00:00+00:00--2000-02-28 16:00:00+00:00

6、Reference method

References to data:

GLCN. The slope aspect map of the Tibetan Plateau (2000). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2705462018

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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