A Big Earth Data Platform for Three Poles

**SRTM DEM data on the Tibetan Plateau (2012)**

1、Description

This data set is mainly the SRTM terrain data obtained by International Center for Tropical Agriculture （CIAT）with the new interpolation algorithm, which better fills the data void of SRTM 90. The interpolation algorithm was adpoted from Reuter et al. (2007).   
SRTM's data organization method is as follows: divide a file into 24 rows (-60 to 60 degrees) and 72 columns (-180 to 180 degrees) in every 5 degrees of latitude and longitude grid, and the data resolution is 90 meters.  
Data usage: SRTM data are expressed as elevation values with 16-bit values (-/+/32767 m), maximum positive elevation of 9000m, and negative elevation (12000m below sea level). For null data use the -32767 standard.

2、Keywords

Theme：Digital elevation model,Topography,Galactic System  
Discipline：Terrestrial Surface,Solar-Terrestrial Physics and Astronomy  
Places：Tibetan Plateau  
Time：2012

3、Data details

1.Scale：None

2.Projection：

3.Filesize：16300.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.7 | - |
| west：60.9 | - | east：106.6 |
| - | south：22.9 | - |

5、Time frame:None--None

6、Reference method

References to data:

Food and Agriculture Organization of the United Nations（FAO）. SRTM DEM data on the Tibetan Plateau (2012). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2704862019

References to articles:

Void-filled seamless SRTM data V1, 2004, International Centre for Tropical Agriculture (CIAT), available from the CGIAR-CSI SRTM 90m Database:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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