A Big Earth Data Platform for Three Poles

**30m aster-gdem data in Qilian Mountain Area (2018)**

1、Description

This dataset is the Digital Elevation Model （DEM）in the Qilian Mountain， spatial resolution 30m. This dataset is based on the Advanced Spaceborne Thermal Emission and Reflection Radiometer Global Digital Elevation Model （ASTER-GDEM）. The data set has a vertical accuracy of 20 m and a horizontal accuracy of 30 m. Through the data download, preprocessing and splicing, the 30m×30m DEM data of Qilian Mountain is generated. This data set can extract a large amount of surface morphology information, which is an important basic data for terrain analysis and feature recognition in Qilian Mountain. The data will serve the ecological environment monitoring, ecological environmental protection and treatment project implementation, hydrology and water resources analysis and evaluation in Qilian Mountain area.

2、Keywords

Theme：Digital elevation model,Topography,Contour  
Discipline：Terrestrial Surface  
Places：Qilian Mountain  
Time：2018

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：2969.4MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.0 | - |
| west：89.0 | - | east：107.0 |
| - | south：34.0 | - |

5、Time frame:2018-01-14 16:00:00+00:00--2019-01-14 03:59:59+00:00

6、Reference method

References to data:

QI Yuan, ZHOU Shengming, ZHANG Jinlong, WANG Hongwei. 30m aster-gdem data in Qilian Mountain Area (2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2701482019

References to articles:

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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