A Big Earth Data Platform for Three Poles

**Elevation data of Antarctic (2003)**

1、Description

This data set provides a 1 km resolution Digital Elevation Model (DEM) of Antarctica. The DEM combines measurements from the European Remote Sensing Satellite-1 (ERS-1) Satellite Radar Altimeter (SRA) and the Ice, Cloud, and land Elevation Satellite (ICESat) Geosciences Laser Altimeter System (GLAS). The ERS-1 data are from two long repeat cycles of 168 days initiated in March 1994, and the GLAS data are from 20 February 2003 through 21 March 2008. The data set is approximately 240 MB comprised of two gridded binary files and two Environment for Visualizing Images (ENVI) header files viewable using ENVI or other similar software packages. The data are available via FTP.

2、Keywords

Theme：Digital elevation model,Topography,The shadow of the mountain   
Discipline：Terrestrial Surface  
Places：Antarctica  
Time：2003

3、Data details

1.Scale：None

2.Projection：

3.Filesize：273.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：-60.0 | - |
| west：-180.0 | - | east：180.0 |
| - | south：-90.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

National Aeronautics and Space Administration. Elevation data of Antarctic (2003). A Big Earth Data Platform for Three Poles, 2019

References to articles:

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）

8、Data resource provider

name: National Aeronautics and Space Administration  
unit: National Aeronautics and Space Administration  
email: NONE