Upper Yangtze River Scientific Data Center

**12.5m ALOS Digital Elevation Model (DEM) in the upper reaches of the Yangtze River,Southwest China and surrounding areas**

1、Description

The data in this dataset are framing data 12.5m ALOS digital elevation model (DEM) in the upper reaches of the Yangtze River,Southwest China and surrounding areas. The data is derived from the high-resolution ground correction data of Advanced Land Observing Satellite (ALOS) PALSAR of Alaska Satellite Facility (ASF).
The data format is TIF, the spatial resolution is 12.5 meters, and the coordinate system is WGS\_ 1984\_ UTM zonal projection. The data range covers the upper reaches of the Yangtze River, the southwest and surrounding areas. From the perspective of administrative regions, it includes Chongqing, Sichuan, Guizhou, Yunnan and Guangxi, as well as eastern Tibet, southern Qinghai, Gansu, Shaanxi, western Guangdong, Hainan Island, Hunan and western Hubei. The data exists in the form of tiles. If multiple adjacent data are required, the data shall be embedded after downloading. The data can be used for various terrain analysis.

2、Keywords

Theme：Remote Sensing Product,Digital elevation model(DEM),Remote Sensing Technology,Geomorphology,Terrestrial Surface Remote Sensing,Landform
Discipline：Terrestrial Surface,Remote Sensing Technology
Places：Yunnan, upper reaches of the Yangtze River, Guizhou, Southwest China, Chongqing, Sichuan
Time：2006, 2011

3、Data details

1.Scale：None

2.Projection：UTM

3.Filesize：78300.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.0 | - |
| west：88.0 | - | east：114.0 |
| - | south：18.0 | - |

5、Time frame:2005-12-31 16:00:00+00:00--2011-12-30 16:00:00+00:00

6、Reference method

References to data:

TIAN Yongzhong , DAAC ASF . 12.5m ALOS Digital Elevation Model (DEM) in the upper reaches of the Yangtze River,Southwest China and surrounding areas. Upper Yangtze River Scientific Data Center, doi:10.5067/Z97HFCNKR6VA2022

References to articles:

7、Supporting project information

8、Data resource provider

name: TIAN Yongzhong
unit: Southwest University
email: 983162391@qq.com

name: DAAC ASF
unit: Japan Aerospace Exploration Agency (JAXA)
email: 983162391@qq.com