A Big Earth Data Platform for Three Poles

**Snow cover product for Sanjiangyuan (2002-2014)**

1、Description

This data set was derived from MODIS version 005 and the IMS data set. It is a daily cloudless snow area product processed by cloud removal. Value range: 0%-100%. 200: snow; 100: lake ice; 25: land; 37: sea. The spatial resolution is 0.005 degrees (approximately 500 m), and the temporal coverage is from July 5, 2002, to December 31, 2014.

2、Keywords

Theme：MODIS,Atmosphere Remote Sensing
Discipline：Atmosphere
Places：Tibetan Plateau , Three-River-Source National Park, Three Rivers Source
Time：2002-2014

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：430.0MB

4.Data format：geotiff

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.38 | - |
| west：89.15 | - | east：102.58 |
| - | south：30.79 | - |

5、Time frame:2002-07-16 16:00:00+00:00--2015-01-11 16:00:00+00:00

6、Reference method

References to data:

HAO Xiaohua. Snow cover product for Sanjiangyuan (2002-2014). A Big Earth Data Platform for Three Poles, doi:10.11888/Snow.tpdc.2700512018

References to articles:

Hao, X.H., Luo, S.Q., Che, T., Wang, J., Li, H.Y., Dai, L.Y., Huang, X.D., &Feng, Q.S. (2019). Accuracy assessment of four cloud-free snow cover products over the qinghai-tibetan plateau. International Journal of Digital Earth,12 (4), 375-393.

7、Supporting project information

8、Data resource provider

name: HAO Xiaohua
unit: Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
email: haoxh@lzb.ac.cn