A Big Earth Data Platform for Three Poles

**0.05° Resolution Daily Surface Water Change Database for Tibet Plateau from 1982-2020**

1、Description

Water cover is one of the basic parameters of water cycle and energy balance. Based on the AVHRR daily reflectance time series from 1982 to 2020, this data set has produced 39 year long-term daily water body mapping products (including water body icing information) on the Qinghai Tibet Plateau. This dataset contains 39 folders, named after the year (from 1982 to 2020). Each folder contains 365 / 366 GeoTIFF files, and each file contains two bands: (1) water mapping band (waterlayer); (2) Quality control information band (QC). This product provides data support for remote sensing monitoring of water bodies in the Qinghai Tibet Plateau.

2、Keywords

Theme：Surface Water,Remote Sensing Product,Others,spatio-temporal variations,Remote Sensing Technology,Lakes  
Discipline：Terrestrial Surface,Others,Remote Sensing Technology  
Places：Tibetan Plateau  
Time：From 2000 to 2018, Daily

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：526.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.25 | - |
| west：67.15 | - | east：107.1 |
| - | south：23.3 | - |

5、Time frame:1981-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

JI Luyan . 0.05° Resolution Daily Surface Water Change Database for Tibet Plateau from 1982-2020. A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2728112022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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