A Big Earth Data Platform for Three Poles

**Observation data of melting water flow in Jiagang snow mountain of Selinco Watershed (2016)**

1、Description

This dataset is the spatial distribution map of the marshes in the source area of the Yellow River near the Zaling Lake-Eling Lake, covering an area of about 21,000 square kilometers. The data set is classified by the Landsat 8 image through an expert decision tree and corrected by manual visual interpretation. The spatial resolution of the image is 30m, using the WGS 1984 UTM projected coordinate system, and the data format is grid format. The image is divided into five types of land, the land type 1 is “water body”, the land type 2 is “high-cover vegetation”, the land type 3 is “naked land”, and the land type 4 is “low-cover vegetation”, and the land type 5 is For "marsh", low-coverage vegetation and high-coverage vegetation are distinguished by vegetation coverage. The threshold is 0.1 to 0.4 for low-cover vegetation and 0.4 to 1 for high-cover vegetation.

2、Keywords

Theme：Surface Water,Snow,Water flow rate,Water depth,Discharge/Flow,Snow melt
Discipline：Terrestrial Surface,Cryosphere
Places：Selincuo, Jaggang Snow Mountain
Time：2016

3、Data details

1.Scale：1

2.Projection：None

3.Filesize：0.01MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：73.0 | - | east：104.0 |
| - | south：25.0 | - |

5、Time frame:2016-09-26 16:00:00+00:00--2016-09-27 15:59:59+00:00

6、Reference method

References to data:

Observation data of melting water flow in Jiagang snow mountain of Selinco Watershed (2016). A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2700242018

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider