A Big Earth Data Platform for Three Poles

**Evapotranspiration data set of Aral Sea Basin (2015-2018)**

1、Description

Data content: evapotranspiration data set of the Aral Sea basin from 2015 to 2018.
Data sources and processing methods: Based on IDL platform, SEBS algorithm and MODIS data of NASA were used to calculate the evapotranspiration results of the Aral Sea basin from 2015 to 2018.
Data quality: spatial resolution is 1000m × 1000m, temporal resolution is 8 days.
Results and prospects of data application: in the context of climate change, it can be used to analyze the correlation between meteorological elements and vegetation characteristics, and can also be combined with other vegetation data and ecological data to analyze land degradation.

2、Keywords

Theme：Galactic System
Discipline：Solar-Terrestrial Physics and Astronomy
Places：Aral Sea Basin
Time：2015-2018

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：3270.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：47.12 | - |
| west：53.37 | - | east：78.21 |
| - | south：33.48 | - |

5、Time frame:2014-12-31 16:00:00+00:00--2018-12-30 16:00:00+00:00

6、Reference method

References to data:

LIU Tie. Evapotranspiration data set of Aral Sea Basin (2015-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2711852021

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

name: LIU Tie
unit:
email: liutie@ms.xjb.ac.cn