A Big Earth Data Platform for Three Poles

**The Landsat ETM image dataset of the Yellow River Upstreams (1999-2010)**

1、Description

Ⅰ. Overview
Landsat5 was launched in April 1999. As a supplement and enhancement to the Landsat series, it carries an EMT+ sensor. The parameters of each band are close to that of Landsat5, but the panchromatic band with a resolution of 15 m is added, and the resolution of thermal infrared band is increased to 60 m.This dataset was collected in 1999-2010. There were 97 scenes of TM data in the upper reaches of the Yellow River. Due to sensor damage, there were bands in the images.
Ⅱ. Data processing description
Product level is L1 and has been geometrically corrected.
Ⅲ. Data content description
The naming method is L5 and row number and column number \_ column number and date (yyyymmdd), such as L75129032\_03220040816.
Ⅳ. Data usage description
The main applications are soil use/cover and desertification monitoring.

2、Keywords

Theme：Remote Sensing Technology,Visible remote sensing
Discipline：Remote Sensing Technology
Places：The upstream of the Yellow River
Time：1990-2010

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：17600.0MB

4.Data format：img

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.0 | - |
| west：95.0 | - | east：112.0 |
| - | south：32.0 | - |

5、Time frame:1999-07-19 19:57:00+00:00--2011-05-17 18:50:00+00:00

6、Reference method

References to data:

XUE Xian, DU Heqiang. The Landsat ETM image dataset of the Yellow River Upstreams (1999-2010). A Big Earth Data Platform for Three Poles, 2013

References to articles:

7、Supporting project information

8、Data resource provider

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