A Big Earth Data Platform for Three Poles

**Spectral characteristics of sample plots in typical countries along the belt (2015)**

1、Description

Using the Landsat8 OLI images at the summerof 2015, the spectral characteristics of satellite sensors were extracted in the Belt and Road's region. The bands included the band (0.45 - 0.51μm)、band (0.53 - 0.59μm)、band (0.64 - 0.67μm)、band (0.85 - 0.88μm)、band (1.57 - 1.65μm)、band (2.11 - 2.29 μm)、band (10.60 - 11.19 μm)和band (11.50 - 12.51 μm). And the Land cover data of the Belt and Road's region (Version 1.0) (2015) was used to extract the land cover/use at each location. Data includes the format of excel and shp. The data of shp format includes the spatial distribuition and the spectral characteristics of each sampling point.

2、Keywords

Theme：Galactic System
Discipline：Solar-Terrestrial Physics and Astronomy
Places：The Belt and Road's region
Time：2015

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：83.0 | - |
| west：12.0 | - | east：170.0 |
| - | south：13.0 | - |

5、Time frame:2015-06-08 08:00:00+00:00--2015-10-07 08:00:00+00:00

6、Reference method

References to data:

XU Erqi. Spectral characteristics of sample plots in typical countries along the belt (2015). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2702422019

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: XU Erqi
unit: Institute of Geographical Sciences and Natural Resource Research, CAS
email: xueq@igsnrr.ac.cn