A Big Earth Data Platform for Three Poles

**Spectral reflectance data of typical features -- Ali, Tibet (2017)**

1、Description

This data set is the spectral reflectance data of typical features in Ali during August to September in 2017, using ASD FieldSpec 4. The day of spectral data obtaining was sunny, we recorded the cloud condition during measuring. The white board was calibrated before measurement; The longitude and latitude coordinates are recorded by GPS. We measured the spectral reflectance data of different vegetation types and soil surrounding them. The DN value (.asd format) recorded by instrument can be read by ViewSpecPro, then converted into reflectance using EXCEL with the white board data. Spectral reflectance data is used to extract spectral characteristics of different vegetation types, vegetation classification, inversion of vegetation coverage and so on.

2、Keywords

Theme：Vegetation,Remote Sensing Technology,Hyperspectral Remote Sensing  
Discipline：Terrestrial Surface,Remote Sensing Technology  
Places：Ali, Tibet Plateau  
Time：2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：120.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：34.78 | - |
| west：79.0 | - | east：88.52 |
| - | south：29.47 | - |

5、Time frame:2017-08-21 16:00:00+00:00--2017-09-11 16:00:00+00:00

6、Reference method

References to data:

LIU Linshan, ZHANG Binghua. Spectral reflectance data of typical features -- Ali, Tibet (2017). A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2719152021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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