A Big Earth Data Platform for Three Poles

**WATER: Dataset of BRDF observations in the Linze station foci experimental area**

1、Description

The dataset of BRDF observations was obtained in the Linze station foci experimental area from May 25 to Jul. 11, 2008. Spectrum of the maize field quadrate and desert scrub quadrate in Wulidun farmland (May 25, 28, 30, Jun. 29 and Jul. 11), the desert transit zone strip (May 28 and 30) and Linze station quadrates (Jun. 25, 30 and Jul. 9) was measured by ASD Spectroradiometer (350～2 500 nm) from BNU, the reference board (40% before Jun. 15 and 20% hereafter), two observation platforms of BNU make and one of Institute of Remote Sensing Applications make. Raw spectral data were archived as binary files, which were recorded daily in detail, and pre-processed data on reflectance and transmittivity were archived as text files (.txt).  
 See the metadata record “WATER: Dataset of setting of the sampling plots and stripes in the Linze station foci experimental area” for more information of the quadrate locations.

2、Keywords

Theme：Canopy spectrum,Ground object spectral,Terrain spectrometer,Vegetation,Terrestrial Surface Remote Sensing,Canopy reflectance  
Discipline：Terrestrial Surface  
Places：Heihe River Basin, Arid Region Hydrology in the Middle Reaches, Closed observation area of Linze station  
Time：2008-05-25, 2008-06-30, 2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：71.1MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.379 | - |
| west：100.11 | - | east：100.201 |
| - | south：39.311 | - |

5、Time frame:2008-06-11 00:00:00+00:00--2008-07-28 00:00:00+00:00

6、Reference method

References to data:

WANG Yang, LI Shihua, YU Yingjie. WATER: Dataset of BRDF observations in the Linze station foci experimental area. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0299.db2013

References to articles:

7、Supporting project information

The CAS (Chinese Academy of Sciences) Action Plan for West Development Project  
National Program on Key Basic Research Project (973 Program

8、Data resource provider

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