A Big Earth Data Platform for Three Poles

**Thermal imaging data of corn and vegetable fields in the middle reaches of Heihe River (2012)**

1、Description

From June to September 2012, the thermal infrared image data of corn field and hot pepper field of No. 15 super station in the middle reaches of Heihe River were taken about 7 times a day, every two hours. The thermal image is processed by the SmartView software of the thermal imager, the vegetation temperature is distinguished, and the transpiration is calculated by the three temperature model.

2、Keywords

Theme：Vegetation,Evapotranspiration,Thermal infrared image  
Discipline：Terrestrial Surface  
Places：Heihe River Basin,   
Time：2012

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：32500.0MB

4.Data format：栅格

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.0 | - |
| west：98.0 | - | east：101.3 |
| - | south：38.0 | - |

5、Time frame:2012-06-03 03:00:00+00:00--2012-10-07 10:11:00+00:00

6、Reference method

References to data:

QIU Guoyu. Thermal imaging data of corn and vegetable fields in the middle reaches of Heihe River (2012). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.112.2014.db2015

References to articles:

7、Supporting project information

8、Data resource provider

name: QIU Guoyu  
unit:   
email: qiugy@pkusz.edu.cn