A Big Earth Data Platform for Three Poles

**WATER: Dataset of chlorophyll content observations in the Yingke oasis and Linze grassland foci experimental areas**

1、Description

The dataset of chlorophyll content observations was obtained in the Yingke oasis and Linze grassland foci experimental areas. Observation items included:  
 (1) Chlorophyll content synchronizing with TM in Yingke oasis No. 1, 4 and 5 maize plots on May 20, 2008.  
 (2) Chlorophyll content synchronizing with ASTER and MODIS in Linze grassland foci experimental areas on May 24, 2008.  
 (3) Chlorophyll content synchronizing with ASTER and MODIS in Yingke oasis maize field on May 28, 2008.  
 (4) Chlorophyll content synchronizing with WiDAS (Wide-angle Infrared Dual-mode line/area Array Scanner) in Yingke oasis maize field on May 30, 2008.  
 (5) Chlorophyll content synchronizing with OMIS-II in Yingke oasis maize field on Jun. 16, 2008.  
 (6) Chlorophyll content synchronizing with WiDAS (Wide-angle Infrared Dual-mode line/area Array Scanner) in Yingke oasis maize field on Jun. 29, 2008.  
 (7) Chlorophyll content synchronizing with WiDAS (Wide-angle Infrared Dual-mode line/area Array Scanner) and TM in Yingke oasis maize field on Jul. 7, 2008.  
 (8) Chlorophyll content synchronizing with WiDAS (Wide-angle Infrared Dual-mode line/area Array Scanner) in Yingke oasis maize field on Jul. 11, 2008.

2、Keywords

Theme：Microwave remote sensing,Vegetation,Chlorophyll,Image spectrometer OMIS-II,Surface Freeze-thaw Cycle/state Remote Sensing,Remote Sensing Technology,Wide-angle infrared dual-mode line/Area array scanner,Visible remote sensing  
Discipline：Terrestrial Surface,Remote Sensing Technology,Cryosphere  
Places：Heihe River Basin, Arid Region Hydrology in the Middle Reaches,   
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.23MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.268 | - |
| west：100.037 | - | east：100.46 |
| - | south：38.734 | - |

5、Time frame:2008-05-31 00:00:00+00:00--2008-07-22 00:00:00+00:00

6、Reference method

References to data:

ZHOU Mengwei. WATER: Dataset of chlorophyll content observations in the Yingke oasis and Linze grassland foci experimental areas. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0143.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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