A Big Earth Data Platform for Three Poles

**WATER: Dataset of ground truth measurements synchronizing with the airborne microwave radiometers (L&K bands) mission in the Linze grassland foci experimental area on Jul. 8, 2008**

1、Description

The dataset of ground truth measurements synchronizing with the airborne microwave radiometers (L&K bands) mission was obtained along the sample lines 1, 2, 3, 4, 5 and 6 of the Linze grassland foci experimental area on Jul. 8, 2008. 25 points at intervals of 100m were selected along each line.  
 Simultaneous with the satellite overpass, numerous ground data were collected, soil gravimetric moisture, volumetric moisture, and soil bulk density by the cutting ring, the mean soil temperature from 0-5cm by the probe thermometer, the canopy and the land surface temperature by the hand-held infrared thermometer.  
 See WATER: Dataset of setting of the sampling plots and stripes in the foci experimental area of Linze station for more information.

2、Keywords

Theme：Soil,Surface radiation temperature,Vegetation,Earth SurFace Processes,Soil temperature,Canopy temperature,Soil moisture/Water content,Terrestrial Surface Remote Sensing,Ground verification information  
Discipline：Terrestrial Surface  
Places：Heihe River Basin, Arid Region Hydrology in the Middle Reaches,   
Time：2008-07-08, 2008

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：5.22MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.268 | - |
| west：100.037 | - | east：100.095 |
| - | south：39.225 | - |

5、Time frame:2008-07-21 16:00:00+00:00--2008-07-21 16:00:00+00:00

6、Reference method

References to data:

GE Yingchun, HU Xiaoli, ZHU Shijie, GE Chunmei, LI Xiaoyu, YU Fan. WATER: Dataset of ground truth measurements synchronizing with the airborne microwave radiometers (L&K bands) mission in the Linze grassland foci experimental area on Jul. 8, 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0072.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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