A Big Earth Data Platform for Three Poles

**WATER: Dataset of ground truth measurement synchronizing with ALOS PALSAR in the Linze station foci experimental area on Jun. 27, 2008**

1、Description

The dataset of ground truth measurement synchronizing with ALOS PALSAR was obtained in the Linze station foci experimental area on Jun. 27, 2008.
 The data were in FBD mode and HH/HV polarization combinations, and the overpass time was approximately at 23:41 BJT. Soil moisture (0-5cm) was acquired by the cutting ring (50cm^3) meanwhile in the west-east desert strip (the corner point in 40 subplots) and north-south strip (the corner point and the center point in 40 subplots). The quadrate location was listed in coordinates.xls file and data were archived as Excel files.
 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：Soil,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, Closed observation area of Linze station
Time：2008-06-27, 2008

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：3996.7MB

4.Data format：文本

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.362111 | - |
| west：100.144528 | - | east：100.151527 |
| - | south：39.355222 | - |

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

6、Reference method

References to data:

YU Yingjie, WANG Yang. WATER: Dataset of ground truth measurement synchronizing with ALOS PALSAR in the Linze station foci experimental area on Jun. 27, 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0104.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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