A Big Earth Data Platform for Three Poles

**WATER: Dataset of ground truth measurements synchronizing with ALOS PALSAR in the Linze station foci experimental area on Jul. 10, 2008**

1、Description

The dataset of ground truth measurements synchronizing with ALOS PALSAR was obtained in the Linze station foci experimental area on Jul. 10, 2008.
 The ALOS PALSAR data were in FBS mode and HH polarization combinations, and the overpass time was approximately at 23:39 BJT.
 Soil moisture (0-5cm) data were measured by the cutting ring method (50cm^3) in LY07 and LY08 quadrates (repeated nine times). The quadrate location information was listed in coordinates.xls 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,Microwave remote sensing,Surface Freeze-thaw Cycle/state Remote Sensing,Soil moisture/Water content
Discipline：Terrestrial Surface,Cryosphere
Places：Heihe River Basin, Arid Region Hydrology in the Middle Reaches, Closed observation area of Linze station
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：2668.3MB

4.Data format：文本

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.36077 | - |
| west：100.14306 | - | east：100.15543 |
| - | south：39.35789 | - |

5、Time frame:2018-11-22 18:47:23.250472+00:00--2018-11-22 18:47:23.250476+00:00

6、Reference method

References to data:

PAN Xiaoduo, SONG Yi. WATER: Dataset of ground truth measurements synchronizing with ALOS PALSAR in the Linze station foci experimental area on Jul. 10, 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0102.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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