A Big Earth Data Platform for Three Poles

**WATER: Dateset of GPR (Ground Penetration Radar) observations in the A'rou foci experimental area from Mar to Jun , 2008**

1、Description

The dateset of GPR (Ground Penetration Radar) observations was obtained in the A'rou foci experimental area from Mar. 10 to Jun. 19, 2008. Those provide reliable dataset for retrieval of soil moisture and frozen depth from GPR observations.
 Observation items, sites and time were as follows:
 (1) GPR in No. 1 quadrate of A'rou on Mar. 10, 2008
 (2) GPR+TDR in No. 2 and 3 quadrates of A'rou on Mar. 11, 2008
 (3) GPR in No. 1 quadrate of A'rou on Mar. 12, 2008
 (4) GPR in No. 2 quadrate of A'rou on Mar. 14, 2008
 (5) GPR +TDR in No. 1 quadrate of A'rou on Mar. 15, 2008
 (6) GPR +TDR in L6 of A'rou on Mar. 16, 2008
 (7) GPR +TDR in L6 of A'rou on Mar. 17, 2008
 (8) GPR +TDR in L6 of A'rou on Mar. 18, 2008
 (9) GPR +TDR in L6 of A'rou on Mar. 19, 2008
 (10) GPR in L6 of A'rou on Mar. 20, 2008
 (11) GPR +TDR in No. 3 quadrate of A'rou on Mar. 21, 2008
 (12) GPR in No. 1 and 3 quadrates of A'rou on May. 31, 2008
 (13) GPR in No. 1 quadrate of A'rou on Jun. 20, 2008

2、Keywords

Theme：Soil,Depth of soil freezing,Remote Sensing Technology,Ground penetration radar,Soil moisture/Water content
Discipline：Terrestrial Surface,Remote Sensing Technology
Places：Heihe River Basin, the cold region hydrology experimental area in the upper reaches, A'rou flight zone
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：871.9MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.078 | - |
| west：100.411 | - | east：100.55 |
| - | south：38.015 | - |

5、Time frame:2008-03-26 00:00:00+00:00--2008-07-06 00:00:00+00:00

6、Reference method

References to data:

WATER: Dateset of GPR (Ground Penetration Radar) observations in the A'rou foci experimental area from Mar to Jun , 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0023.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