A Big Earth Data Platform for Three Poles

**WATER: Dataset of the survey at the sampling plots in the transit zone between oasis and desert in the Linze station foci experimental area from May to Jun, 2008**

1、Description

The dataset of the survey at the sampling plots in the transit zone between oasis and desert was obtained in the Linze station foci experimental area. Observation items included:
 (1) soil moisture and temperature of the soil profiles (0-10cm, 10-20cm, 20-30cm and 30-40cm) measured by the cutting ring method (50cm^3, once each layer) and the probe thermometer (15cm, twice each layer) on May 25, 2008. Data were archived as Excel files.
 (2) biomass (green weight and dry weight, samples from 0.5m×0.5m) with photos measured by the plant harvesting in LY07 quadrate on Jun. 22, 2008. Data were archived as Excel files.
 (3) vegetation coverage measured by the diagonal method on Jun. 22, 2008. By estimating the coverage along the two diagonals, the total coverage of the plot can be developed. Data were archived as Excel files.

2、Keywords

Theme：Soil,Vegetation,Biomass,Soil temperature,Soil horizons/profile,Vegetation cover,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：2008-05-25,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：52.0MB

4.Data format：文本

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.379 | - |
| west：100.11 | - | east：100.201 |
| - | south：39.311 | - |

5、Time frame:2008-06-08 00:00:00+00:00--2008-07-06 00:00:00+00:00

6、Reference method

References to data:

WATER: Dataset of the survey at the sampling plots in the transit zone between oasis and desert in the Linze station foci experimental area from May to Jun, 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0109.db2015

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