A Big Earth Data Platform for Three Poles

**WATER: Dataset of water content of forest canopy components measurements at the super site around the Dayekou Guantan forest station**

1、Description

The dataset of water content of forest canopy components (the twig and the leaf) measurements was obtained at the super site (100m×100m) around the Dayekou Guantan forest station on Jun. 5, 2008. The sample tree was selected according to different diameters at breast height. 5 diameter classes were divided and in each class, 10 trees were selected and altogether 30 trees were selected as sampling trees. Branches in different parts were picked by the tree pruner and the twig and the leaf were separated manually, whose green weight was measured by the scales on the scene and dry weight by oven drying in the lab.
 Those provide reliable data for the reconstruction of the 3D structure of the forest scene, and for modelling active and passive remote sensing mechanisms and the simulation of remote sensing images.

2、Keywords

Theme：Vegetation,Biomass
Discipline：Terrestrial Surface
Places：Heihe River Basin, Dayekou watershed foci experimental areas, Forest and Hydrology Experimental Areas, Super Site around the Dayekou Guantan Forest Station
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.06MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.534361 | - |
| west：100.250212 | - | east：100.251297 |
| - | south：38.533171 | - |

5、Time frame:2008-06-13 00:00:00+00:00--2008-06-13 00:00:00+00:00

6、Reference method

References to data:

WANG Bengyu, CHEN Erxue. WATER: Dataset of water content of forest canopy components measurements at the super site around the Dayekou Guantan forest station. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0051.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

name: CHEN Erxue
unit: Chinese Academy of Forestry
email: chenerx@caf.ac.cn

name: WANG Bengyu
unit: The Research Institute of Forest Resources Information Technique,Chinese Academy of Forestry
email: