A Big Earth Data Platform for Three Poles

**WATER: Dataset of precipitation and canopy interception observations around the Dayekou Guantan forest station**

1、Description

The dataset of precipitation and canopy interception observations was obtained around the Dayekou Guantan forest station (100m×100m, pure Qinghai spruce) from Jun. 1 to Oct. 10, 2008. Observations were carried out immediately after each rainfall. The following instruments have been used for the observation: the rain gauges (diameter: 20cm; 2 for controlled rainfall and 20 for throughfall), self-made rain slots (20×20×100cm, 10 for throughfall), 5 self-made stem-flow system, self-made moss and litter interception barrel (diameter: 20cm), and rain gauges of the measuring range 10.5mm.

2、Keywords

Theme：Precipitation,Rainfall rate,Rain  
Discipline：Atmosphere  
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：1.07MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.577 | - |
| west：100.215 | - | east：100.302 |
| - | south：38.438 | - |

5、Time frame:2008-06-17 00:27:00+00:00--2008-10-26 00:27:00+00:00

6、Reference method

References to data:

TAN Junlei, BAI Yunjie, LI Jiancheng, CHE Tao. WATER: Dataset of precipitation and canopy interception observations around the Dayekou Guantan forest station. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0052.db2013

References to articles:

谭俊磊, 马明国, 车涛, 白云洁. 基于不同郁闭度的青海云杉冠层截留特征研究. 地球科学进展, 2009, 24(7): 825-833.

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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