A Big Earth Data Platform for Three Poles

**WATER: Dataset of intensive rain gauges observations in the arid region hydrology experiment area**

1、Description

The dataset of intensive rain gauges observations was obtained in the arid region hydrology experiment area, in cooperation with dual polarized doppler radar observations. There was no single dataset for the upper stream observations for the poor quality; the middle stream dataset was collected by 29 RG3-M self-recording rain gauges: the northernmost (100.36°E, 39.16°N), the southernmost (100.34°E, 38.61°N), the easternmost (100.62°E, 38.87°N), and the westernmost (100.26°E, 38.82°N). Rain gauges R02-R09 measured from May 18 to Oct. 9, 2008, and R10-R30 from May 26 to Oct. 9, 2008. The technique criterions of these rain gauges were :  
 (1) caliber: 165mm×254mm  
 (2) the temperature range: 0°C —+70°C  
 (3) resolution: 0.2mm  
 (4) the measuring range: 0—320cm  
 (5) the measuring accuracy: 1%

2、Keywords

Theme：Precipitation,Precipitation,Rain,Hydrology  
Discipline：Atmosphere,Terrestrial Surface  
Places：Heihe River Basin, Arid Region Hydrology in the Middle Reaches, the cold region hydrology experimental area in the upper reaches,   
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：169.8MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.16 | - |
| west：100.26 | - | east：100.62 |
| - | south：38.61 | - |

5、Time frame:2008-06-02 05:54:00+00:00--2008-10-24 05:54:00+00:00

6、Reference method

References to data:

WATER: Dataset of intensive rain gauges observations in the arid region hydrology experiment area. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0165.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