A Big Earth Data Platform for Three Poles

**Deuterium and Oxygen-18 of snowmelt water ,river water and soil water in Hulugou Small watershed (June 2013 – April 2014 )**

1、Description

First, Data Description  
The data includes stable hydrogen and oxygen isotope data of snow melt water, river water and soil water from July 2013 to April 2014.  
Second, Sampling Sites  
The snowmelt water sampling point is located in the middle of the third area, with a latitude and longitude of 99°53′28.004′′E, 38°13′25.781′′N, and the number of acquisitions is 3 times;  
The river water sampling point is located at the exit of the Hulugou Basin, with a latitude and longitude of 99°52′47.7′′E, 38°16′11′′N, and the sampling frequency is once a week;  
The soil water sampling point is located in the middle and lower part of the Hongnigou catchment area, with a sampling depth of 90cm and 180cm underground, and a latitude and longitude of 99°52'25.98′′E, 38°15′36.11′′N.  
Third, Testing Method  
The samples were measured by L2130-i ultra-high precision liquid water and water vapor isotope analyzer.

2、Keywords

Theme：Soil,Soil water,Snow,Snowmelt water  
Discipline：Terrestrial Surface,Cryosphere  
Places：Upper Reaches of Heihe Basin, Hulugou  
Time：2014, 2013

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.02MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.22383 | - |
| west：99.87388 | - | east：99.89111 |
| - | south：38.26972 | - |

5、Time frame:2013-07-13 15:00:00+00:00--2014-05-06 00:00:00+00:00

6、Reference method

References to data:

SUN Ziyong. Deuterium and Oxygen-18 of snowmelt water ,river water and soil water in Hulugou Small watershed (June 2013 – April 2014 ). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.003.2015.db2015

References to articles:

7、Supporting project information

Exploring snowmelt runoff processes using isotopic and hydrochemical data in Heihe River headwater catchments

8、Data resource provider

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