A Big Earth Data Platform for Three Poles

**Glacier forefront snowmelt water temperature and near-surface temperature observations of hulugou watershed(July-September 2012)**

1、Description

From July 21 to September 2, 2012, the observation data of snowmelt water temperature and near surface temperature in hulugou small watershed were observed by hobo automatic temperature recorder, with the observation frequency of once / 15 minutes, and the near surface temperature recorder was 20cm away from the surface.
The observation point 01 is an ice lake, which is formed by the permanent snow supply of Hunan slope. The lake is approximately triangular, and the long side trend is parallel to the slope foot, with the coordinates of 99 ° 53 ′ 11 ″ E and 38 ° 13 ′ 6 ″ n. The observation period is from July 21, 2012 to September 2, 2012.

No.02 observation point is located under the ice lake, the source of the East tributary of hulugou, the foot of permanent snow slope and the lower edge of snow melting. The coordinates are 99 ° 53 ′ 12 ″ e, 38 ° 13 ′ 6 ″ n. The observation period is from July 21, 2012 to September 2, 2012.
The distance between the two points is relatively close, and the near surface temperature is the uniform temperature, which is the near surface temperature of point 01.

2、Keywords

Theme：Ablation zones,Snowmelt water temperature,Glacier(Ice Sheet)
Discipline：Cryosphere
Places：Upper Reaches of Heihe Basin, Hulugou
Time：2012

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：10.0MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.21861 | - |
| west：99.88639 | - | east：99.88667 |
| - | south：38.21806 | - |

5、Time frame:2012-08-02 07:29:00+00:00--2012-09-14 07:30:00+00:00

6、Reference method

References to data:

Glacier forefront snowmelt water temperature and near-surface temperature observations of hulugou watershed(July-September 2012). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.105.2013.db2013

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