A Big Earth Data Platform for Three Poles

**Thickness of Xiaodongkemadi glacier (2021)**

1、Description

1) The data included the thickness, coordinates and elevation of Xiaodongkemadi glacier and was measured from July 26 to 28, 2021; 2) The data was measured by the ground penetrating radar with working frequency of 100MHz developed by China Institute of Water Resources and Hydropower Research. The thickness of the glacier was obtained through the processing and analysis of the radar echo image. The dielectric constant of the ice was 3.2, and the coordinates and elevation of the measuring points were measured by the RTK system; 3) The data can be used to study the changes of glacier thickness, mass balance , runoff and so on.

2、Keywords

Theme：Glacier thickness,Glacier(Ice Sheet)
Discipline：Cryosphere
Places：Xiaodongkemadi glacier, Xiaodongkemadi Glacier
Time：July 26, 2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.04MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.075 | - |
| west：92.083 | - | east：92.088 |
| - | south：33.073 | - |

5、Time frame:2021-07-25 16:00:00+00:00--2021-07-28 03:59:59+00:00

6、Reference method

References to data:

FU Hui . Thickness of Xiaodongkemadi glacier (2021). A Big Earth Data Platform for Three Poles, doi:10.11888/Cryos.tpdc.2724932022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: FU Hui
unit: China Institute of Water Resources and Hydropower Research
email: fuhui\_iwhr@126.com