A Big Earth Data Platform for Three Poles

**Chemical data of glacier melt water in zhuxigou, southeastern Tibet (2020-2021)**

1、Description

The data include K, Na, CA, Mg, F, Cl, so 4 and no 3 in the glacier runoff of zhuxigou, covering most of the inorganic dissolved components. The detection limit is less than 0.01 mg / L and the error is less than 10%; The data can be used to reflect the contribution of chemical weathering processes such as sulfide oxidation, carbonate dissolution and silicate weathering to river solutes in zhuxigou watershed, and then accurately calculate the weathering rates of carbonate and silicate rocks, so as to provide scientific basis for evaluating the impact of glaciation on chemical weathering of rocks and its carbon sink effect.

2、Keywords

Theme：Snow,Glacier(Ice Sheet)
Discipline：Cryosphere
Places：Zhuxigou glacier
Time：2020, 2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.9 | - |
| west：95.58333333 | - | east：95.58333333 |
| - | south：29.96222222 | - |

5、Time frame:None--None

6、Reference method

References to data:

WU Guangjian. Chemical data of glacier melt water in zhuxigou, southeastern Tibet (2020-2021). A Big Earth Data Platform for Three Poles, 2022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: WU Guangjian
unit: Institute of Tibetan Plateau Research, Chinese Academy of Sciences
email: wugj@itpcas.ac.cn