A Big Earth Data Platform for Three Poles

**Data set of oxygen stable isotopes for NoijinKangsang ice core(1864-2006)**

1、Description

The data set contains the stable oxygen isotope data of ice core from 1864 to 2006. The ice core was obtained from Noijinkansang glacier in the south of Southern Tibetan Plateau, with a length of 55.1 meters. Oxygen isotopes were measured using a MAT-253 mass spectrometer (with an analytical precision of 0.05 ‰) at the Key Laboratory of CAS for Tibetan Environment and Land Surface Processes, China.   
Data collection location:  
 Noijinkansang glacier (90.2 ° e, 29.04 ° n, altitude: 5950 m)

2、Keywords

Theme：Ice core,Stable hydrogen and oxygen isotope,Atmospheric circulation,Humidity/Dryness,Glacier(Ice Sheet),Water Quality/Water Chemistry  
Discipline：Atmosphere,Terrestrial Surface,Cryosphere  
Places：Noijinkansang glacier, the Qinghai-Tibet Pleatu  
Time：1864-2006

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.17MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.04 | - |
| west：90.2 | - | east：90.2 |
| - | south：29.04 | - |

5、Time frame:None--None

6、Reference method

References to data:

GAO Jing. Data set of oxygen stable isotopes for NoijinKangsang ice core(1864-2006). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2709372020

References to articles:

Gao, J.\*, C. Risi, V. Masson-Delmotte, Y. He, and B. Xu. (2016). Southern Tibetan Plateau ice core δ18O reflects abrupt shifts in atmospheric circulation in the late 1970s, Clim. Dyn., 1-12, doi:10.1007/s00382-015-2584-3.

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program  
National Natural Science Foundation of China (41471053)  
the “Strategic Priority Research Program (B)” of the Chinese Academy of Sciences  
National Natural Science Foundation of China (41101061)  
National Natural Science Foundation of China (41125003)  
National Natural Science Foundation of China (41190080)

8、Data resource provider

name: GAO Jing  
unit: Institute of Tibetan Plateau Research, Chinese Academy of Sciences  
email: gaojing@itpcas.ac.cn