A Big Earth Data Platform for Three Poles

**Data of ad metal elements in Miaoergou ice core, Tianshan (1956-2004)**

1、Description

This project is based on the data of bioactive elements such as Fe in miaergou ice core (94 ° 19 ′ e, 43 ° 03 ′ n, 4518 m) of the East Tianshan Mountains, and rebuilt the metal element history of 1956-2004. Data content: 1956-2004 ice core metal elements (including Fe, CD, Pb, as, Ba, Al, s, Mn, CO and Ni); data source, through ICP-MS test; data quality: blank sample is significantly lower than sample value, with better quality; data application results and prospects: data has been published, see Du, Z., Xiao, C., Zhang, W., Handley, M. J., mayewski, P. A., Liu, Y., & Li, X. (20. 19). Iron record associated with sandstorms in a central Asian shallow ice core spanning 1956-2004. Atmospheric environment, 203, 121-130. It can provide comparative study of other ice cores in Central Asia.

2、Keywords

Theme：Ice core,Ice-core,Metal elements,Glacier(Ice Sheet)  
Discipline：Palaeoenvironment,Cryosphere  
Places：Tianshan mountain  
Time：1956-2004

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.06MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：43.05 | - |
| west：94.32 | - | east：94.32 |
| - | south：43.05 | - |

5、Time frame:1956-01-15 00:00:00+00:00--2005-01-14 11:59:59+00:00

6、Reference method

References to data:

Du Zhiheng. Data of ad metal elements in Miaoergou ice core, Tianshan (1956-2004). A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2702572019

References to articles:

Du, Z., Xiao, C., Zhang, W., Handley, M. J., Mayewski, P. A., Liu, Y., & Li, X. (2019). Iron record associated with sandstorms in a central Asian shallow ice core spanning 1956–2004. Atmospheric environment, 203, 121-130.

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）

8、Data resource provider

name: Du Zhiheng  
unit: Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences  
email: duzhiheng10@163.com