A Big Earth Data Platform for Three Poles

**Black carbon concentration at 5 stations over Tibetan Plateau (2018)**

1、Description

As the “water tower of Asia”, Tibetan Plateau (TP) are the resource of major rivers in Asia. Black carbon (BC) aerosol emitted from surrounding regions can be transported to the inner TP by atmospheric circulation and consequently deposited in snow, which can significantly influence precipitation and mass balance of glaciers. Five Aethalometers are used to mornitoring black carbon concentration at 5 stations on the Tibetan Plateau. It can provide basic dataset to study the effects of BC to the environment and climate over the Tibetan Plateau, as well as the pollutants transport.

2、Keywords

Theme：Aerosol
Discipline：Atmosphere
Places：the Tibetan Plateau, HORN
Time：2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.023MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.0 | - |
| west：65.0 | - | east：102.0 |
| - | south：26.0 | - |

5、Time frame:2018-01-07 00:00:00+00:00--2019-01-06 00:00:00+00:00

6、Reference method

References to data:

Black carbon concentration at 5 stations over Tibetan Plateau (2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2700822019

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider