A Big Earth Data Platform for Three Poles

**Precipitation stable isotope data set of multiple observation sites in Bangladesh(2017-2018)**

1、Description

The data set is the daily precipitation stable isotope data (δ 18O, δ D, d-excess) from Satkhira, Barisal and sylhet3 stations in Bangladesh from 2017 to 2018. The data set was collected by Bangladesh Atomic Energy Commission (BAEC) and measured by picarro l2130i wavelength scanning cavity ring down spectrometer in the Key Laboratory of environment and surface processes, Institute of Qinghai Tibet Plateau, Chinese Academy of Sciences.  
Sampling location and time of three observation points:  
Satkhira ：2017.03.11-2018.07.16  
Barisal：2017.03.05-2018.07.02  
Sylhet : 2017.02.20-2018.09.04

2、Keywords

Theme：Precipitation,Stable hydrogen and oxygen isotope,Precipitation amount,Atmospheric circulation,Humidity/Dryness,Water Quality/Water Chemistry  
Discipline：Atmosphere,Terrestrial Surface  
Places：Bengal  
Time：2017-2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.06MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：26.63333333 | - |
| west：88.01666667 | - | east：92.68333333 |
| - | south：20.56666667 | - |

5、Time frame:2017-04-11 08:00:00+00:00--2018-10-24 08:00:00+00:00

6、Reference method

References to data:

GAO Jing. Precipitation stable isotope data set of multiple observation sites in Bangladesh(2017-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2709392020

References to articles:

Islam, M. R., J. Gao\*, N. Ahmed, M. M. Karim, A. Q. Bhuiyan, A. Ahsan, S. Ahmed. (2020). Controls on spatiotemporal variations of stable isotopes in precipitation across Bangladesh, Atmospheric Research, 247, https://doi.org/10.1016/j.atmosres.2020.105224

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program  
Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program  
the National Natural Science Foundation of China

8、Data resource provider

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