A Big Earth Data Platform for Three Poles

**Multi model simulation results of extreme climate over the Qinghai Xizang Plateau in the next 100 years (2015-2100)**

1、Description

Simulation results of four cmip6 models in 2015-2100 under the scenario of shared socio-economic path (SSP) 5-8.5. The selection standard is that the resolution of the four modes is less than 1 °, and there are daily data. Eight variables representing extreme climate are extracted from the original simulation results, which are the extremely high value of daily maximum temperature (TXX), the extremely high value of daily minimum temperature (TNX), the extremely low value of daily maximum temperature (TxN), the extremely low value of daily minimum temperature (TNN), the number of continuous dry days (CDD), the number of continuous wet days (CWD), precipitation intensity (SDII) and the number of heavy precipitation days (r20mm). The time resolution of the data is years, the spatial range is the Qinghai Tibet Plateau, and the time range is 2015-2100.

2、Keywords

Theme：Precipitation  
Discipline：Atmosphere  
Places：Tibetan Plateau  
Time：2015-2100

3、Data details

1.Scale：None

2.Projection：

3.Filesize：5.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：73.0 | - | east：104.0 |
| - | south：26.0 | - |

5、Time frame:2014-12-31 16:00:00+00:00--2100-12-31 03:59:59+00:00

6、Reference method

References to data:

ZHANG Ran. Multi model simulation results of extreme climate over the Qinghai Xizang Plateau in the next 100 years (2015-2100). A Big Earth Data Platform for Three Poles, 2021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: ZHANG Ran  
unit:   
email: zhangran@mail.iap.ac.cn  
  
name: ZHANG Ran  
unit:   
email: zhangran@mail.iap.ac.cn