A Big Earth Data Platform for Three Poles

**Integrated products of global near surface temperature and precipitation post-processing under different SSP scenarios (2046-2065)**

1、Description

CMIP6 is the sixth climate model comparison plan organized by the World Climate Research Program (WCRP). Original data from https://www.wcrp-climate.org/wgcm-cmip/wgcm-cmip6 。 This dataset contains four SSP scenarios of Scenario MIP in CMIP6. (1) SSP126: Upgrade of RCP2.6 scenario based on SSP1 (low forcing scenario) (radiation forcing will reach 2.6W/m2 in 2100). (2) SSP245: Upgrade of RCP4.5 scenario based on SSP2 (moderate forcing scenario) (radiation forcing will reach 4.5 W/m2 in 2100). (3) SSP370: New RCP7.0 emission path based on SSP3 (medium forcing scenario) (radiation forcing will reach 7.0 W/m2 in 2100). (4) SSP585: Upgrade the RCP8.5 scenario based on SSP5 (high forcing scenario) (SSP585 is the only SSP scenario that can make the radiation forcing reach 8.5 W/m2 in 2100).  
Using GRU data to correct the post-processing deviation of the original CMIP data, the post-processing data set of monthly precipitation (pr) and temperature (tas) estimates from 2046-2065 was obtained, with a reference period of 1985-2014.

2、Keywords

Theme：2m temperature,Precipitation,Temperature,Climate Models,Mean temperature,Others,future projection,CMIP6,Other,Bias correction,Precipitation,Near surface temperature,Air temperature  
Discipline：Atmosphere,Others  
Places：global  
Time：2046-2065

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：26920.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：-180.0 | - | east：-180.0 |
| - | south：-90.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

YE Aizhong. Integrated products of global near surface temperature and precipitation post-processing under different SSP scenarios (2046-2065). A Big Earth Data Platform for Three Poles, doi:10.11888/Atmos.tpdc.2728802022

References to articles:

7、Supporting project information

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

8、Data resource provider

name: YE Aizhong  
unit: Beijing Normal University  
email: azye@bnu.edu.cn