A Big Earth Data Platform for Three Poles

**CAS FGOALS-f3-H and CAS FGOALS-f3-L outputs for the high-resolution model intercomparison project simulation of CMIP6(2015-2050)**

1、Description

CAS FGOALS-f3-H, with a 0.25° horizontal resolution, and CAS FGOALS-f3-L, with a 1° horizontal resolution, were forced by the standard external conditions, and two coordinated sets of simulations were conducted for 1950–2014 and 2015–50 with the Experiment IDs of ‘highresSST-present’ and ‘highresSST-future’, respectively. The model outputs contain multiple time scales including the required hourly mean, three-hourly mean, six-hourly transient, daily mean, and monthly mean datasets.

2、Keywords

Theme：Precipitation,historical simulation,Winds,wind speed
Discipline：Atmosphere
Places：Global
Time：2015-2050

3、Data details

1.Scale：None

2.Projection：

3.Filesize：36927842.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：0.0 | - | east：180.0 |
| - | south：-90.0 | - |

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

6、Reference method

References to data:

BAO Qing . CAS FGOALS-f3-H and CAS FGOALS-f3-L outputs for the high-resolution model intercomparison project simulation of CMIP6(2015-2050). A Big Earth Data Platform for Three Poles, doi:10.11888/Atmos.tpdc.2729132022

References to articles:

Bao, Q., Liu, Y., & Wu, G.X, et al. (2020). CAS FGOALS-f3-H and CAS FGOALS-f3-L outputs for the high-resolution model intercomparison project simulation of CMIP6. Atmospheric and Oceanic Science Letters, 13(6), 576-581.

7、Supporting project information

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

8、Data resource provider

name: BAO Qing
unit: Institute of Atmospheric Physics, CAS
email: baoqing@mail.iap.ac.cn