A Big Earth Data Platform for Three Poles

**Dynamic downscaled daily 9 km precipitation and near-surface air temperature over the Pan Third Pole region (2000-2010)**

1、Description

The data include daily precipitation (Precip) amount and daily mean near-surface air temperature (T2M) over the Pan Third Pole region. The data is downscaled by using the Weather Research and Forecasting (WRF) model (3.7.1). The boundary and initial condition come from the fifth-generation global reanalysis product by the European Centre for Medium-Range Weather Forecasts (ECMWF), ERA5. The seasonal cycle and summer mean of precipitation over Tibet is well reproduced in comparison to the in situ observations.

2、Keywords

Theme：Precipitation,Temperature,Surface air temperature,Precipitation amount
Discipline：Atmosphere
Places：, Tibetan Plateau
Time：2000-2010

3、Data details

1.Scale：None

2.Projection：Lambert\_Conformal\_Conic

3.Filesize：12000.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：51.0 | - |
| west：52.8 | - | east：137.2 |
| - | south：3.8 | - |

5、Time frame:2000-01-11 08:00:00+00:00--2010-03-10 08:00:00+00:00

6、Reference method

References to data:

OU Tinghai. Dynamic downscaled daily 9 km precipitation and near-surface air temperature over the Pan Third Pole region (2000-2010). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2703102019

References to articles:

7、Supporting project information

8、Data resource provider

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