A Big Earth Data Platform for Three Poles

**Dataset of disaster-prone environment and risk indicators in Hengduan Mountain Area (1961-2020)**

1、Description

Based on China's daily meteorological elements data set and National Geographic basic data, the extreme precipitation, extreme temperature, drought intensity, drought frequency and other indicators in Hengduan Mountain area were calculated by using rclimdex, nspei and bilinear interpolation methods. The data set includes basic data set of disaster pregnant environment, basic data set of extreme precipitation index, basic data set of extreme temperature index, basic data set of drought intensity and frequency. The data set can provide a basic index system for regional extreme high temperature, precipitation and drought risk assessment.

2、Keywords

Theme：Division,soil moisture,Precipitation,Topography,Evapotranspiration,Temperature,Hengduan mountainous region,Mean temperature,Base data,Precipitation rate,Atmospheric circulation,Evaporation capacity,Humidity/Dryness,Hydrology,Natural division  
Discipline：Atmosphere,Terrestrial Surface,Human-nature Relationship  
Places：Hengduan mountains  
Time：1961-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：3737.6MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：34.09 | - |
| west：93.65 | - | east：104.65 |
| - | south：21.69 | - |

5、Time frame:1961-04-30 16:00:00+00:00--2020-06-29 16:00:00+00:00

6、Reference method

References to data:

SUN Peng. Dataset of disaster-prone environment and risk indicators in Hengduan Mountain Area (1961-2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2713292021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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