A Big Earth Data Platform for Three Poles

**Spatial distribution data set of extreme precipitation disaster risk (2014-2018)**

1、Description

Based on the world surface water data (wod) from 1984 to 2018, this data set selects several indexes of precipitation, topography and land use type, and combines with the spatial analysis method in ArcGIS, constructs and evaluates the risk level of flood disaster in 34 key nodes under extreme precipitation conditions. One belt, one road, 34 critical nodes, is evaluated for the risk of flooding in the key areas along the extreme precipitation events. It provides a basis for local government departments to make decisions and early warning before the flood. Thus, we can gain valuable time to take measures to prevent and reduce disasters, and to reduce people's lives and property losses caused by floods. Loss.

2、Keywords

Theme：Atmospheric remote sensing products,Precipitation,Precipitation amount,Atmosphere Remote Sensing  
Discipline：Atmosphere  
Places：Pan-Third Pole  
Time：2014-2018

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：1990.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：50.0 | - |
| west：-180.0 | - | east：180.0 |
| - | south：-50.0 | - |

5、Time frame:2014-03-21 16:00:00+00:00--2018-07-09 16:00:00+00:00

6、Reference method

References to data:

GE Yong, LI Qiangzi, LI Yi. Spatial distribution data set of extreme precipitation disaster risk (2014-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2704642020

References to articles:

李麒崙, 张万昌, 易路, 刘金平, 陈豪. (2018). Gpm与trmm降水数据在中国大陆的精度评估与对比. 水科学进展, 29(3), 303-313.

7、Supporting project information

8、Data resource provider

name: GE Yong  
unit: Institute of Geographic Sciences and Natural Resources Research, CAS  
email: gey@lreis.ac.cn  
  
name: LI Yi  
unit: Institute of Remote Sensing and Digital Earth  
email: liyi@radi.ac.cn  
  
name: LI Qiangzi  
unit:   
email: liqz@aircas.ac.cn