A Big Earth Data Platform for Three Poles

**GIMMS3g NDVI-based phenology for Sanjiangyuan (1982-2015)**

1、Description

The data set includes the estimated data on the SOS (start of season) and the EOS (end of season) of vegetation in Sanjiangyuan based on GIMMS3g version 1.0, the latest version of the GIMMS NDVI data set. Two common phenological estimation methods were adopted: the threshold extraction method based on polynomial fitting (the term “poly” was included in the file names) and the inflection point extraction method based on double logistic function fitting (the term “sig” was included in the file names). These data can be used to analyse the relationship between vegetation phenology and climate change. The temporal coverage ranges from 1982 to 2015, and the spatial resolution is 8 km.

2、Keywords

Theme：vegetation index,Vegetation,Ecological remote sensing products,Terrestrial Surface Remote Sensing
Discipline：Terrestrial Surface
Places：Tibetan Plateau , Three-River-Source National Park, Three Rivers Source
Time：1982-2015

3、Data details

1.Scale：None

2.Projection：

3.Filesize：18.0MB

4.Data format：geotiff

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.38 | - |
| west：89.15 | - | east：102.58 |
| - | south：30.79 | - |

5、Time frame:1982-01-11 08:00:00+00:00--2016-01-10 08:00:00+00:00

6、Reference method

References to data:

WANG Xufeng. GIMMS3g NDVI-based phenology for Sanjiangyuan (1982-2015). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2700672018

References to articles:

Wang, X.F., Xiao, J.F., Li, X., Cheng, G.D., Ma, M.G., Che, T., Dai, L.Y., Wang, S.Y., Wu, J.K., (2017). No Consistent Evidence for Advancing or Delaying Trends in Spring Phenology on the Tibetan Plateau. Journal of Geophysical Research: Biogeosciences, 122, 3288-3305.

7、Supporting project information

Ecological Data Center of Sanjiangyuan National Park

8、Data resource provider

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