A Big Earth Data Platform for Three Poles

**Global GIMMS NDVI3g v1 dataset (1981-2015)**

1、Description

The NDVI data set is the latest release of the long sequence (1981-2015) normalized difference vegetation index product of NOAA Global Inventory Monitoring and Modeling System (GIMMS), version number 3g.v1.  
The temporal resolution of the product is twice a month, while the spatial resolution is 1/12 of a degree. The temporal coverage is from July 1981 to December 2015. This product is a shared data product and can be downloaded directly from ecocast.arc.nasa.gov.  
For details, please refer to https://nex.nasa.gov/nex/projects/1349/.

2、Keywords

Theme：vegetation index,Vegetation,Ecological remote sensing products,Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface  
Places：globe  
Time：

3、Data details

1.Scale：250000

2.Projection：

3.Filesize：287900.0MB

4.Data format：netcdf

4、Space scope

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

5、Time frame:1981-08-03 00:00:00+00:00--2016-01-22 00:00:00+00:00

6、Reference method

References to data:

The National Center for Atmospheric Research. 全球1/12度 AVHRR GIMMS 均一化植被指数（1981-2015）. A Big Earth Data Platform for Three Poles, 2018

References to articles:

Pinzon, J.E., Tucker, C.J. (2014). A Non-Stationary 1981-2012 AVHRR NDVI3g Time Series. Remote Sens. 6, 6929-6960.  
  
Tucker, C.J., Pinzon, J.E., Brown, M.E., Slayback, D.A., Pak, E.W., Mahoney, R., Vermote, E.F., Saleous, N. (2005). An extended AVHRR-8km NDVI dataset compatible with MODIS and SPOT vegetation NDVI data. Int. J. Remote Sens. 26, 4485–4498.

7、Supporting project information

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

8、Data resource provider

name: The National Center for Atmospheric Research  
unit: The National Center for Atmospheric Research  
email: cdeser@ucar.edu