A Big Earth Data Platform for Three Poles

**Landsat-based continuous monthly 30m NDVI Dataset in Qilian mountain area in 2020 (V1.0)**

1、Description

This data set includes the monthly synthesis of 30m\*30m surface vegetation index products in Qilian mountain area in 2019. Max value composition (MVC) method was used to synthesize monthly NDVI products on the surface using the reflectivity data of Landsat 8 and sentinel 2 channels from Red and NIR channels.

2、Keywords

Theme：Galactic System,Vegetation
Discipline：Terrestrial Surface,Solar-Terrestrial Physics and Astronomy
Places：Qilian Mountains
Time：2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：26316.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.0 | - |
| west：89.0 | - | east：107.0 |
| - | south：34.0 | - |

5、Time frame:2019-12-31 16:00:00+00:00--2020-12-31 03:59:59+00:00

6、Reference method

References to data:

ZHONG Bo, WU Junjun. Landsat-based continuous monthly 30m NDVI Dataset in Qilian mountain area in 2020 (V1.0). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2715492021

References to articles:

Cihlar, J., Manak, D., & D'Iorio, M. (1994). Evaluation of Compositing Algorithms for AVHRR Data over Land. IEEE Transactions on Geoscience and Remote Sensing, 32(2), 427-437.

Huete, A., Didan, K., Miura, T., Rodriguez, E.P., Gao, X., & Ferreira, L.G. (2002). Overview of The Radiometric and Biophysical Performance of The MODIS Vegetation Indices. Remote Sensing of Environment, 83(1-2), 195–213.

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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