A Big Earth Data Platform for Three Poles

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

1、Description

This data set includes the monthly synthesis of 30m LAI products in Qilian mountain area in 2020. Max value composition (MVC) method was used to synthesize monthly LAI 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：14540.0MB

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 LAI Dataset in Qilian mountain area in 2020 (V1.0). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2715482021

References to articles:

Zhao J., et al. Estimating fractional vegetation cover from leaf area index and clumping index based on the gap probability theory. International Journal of Applied Earth Observation and Geoinformation 90, 102-112 (2020).

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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