A Big Earth Data Platform for Three Poles

**Codes of the global daily-scale soil moisture fusion dataset based on Triple Collocation Analysis (2011-2018)**

1、Description

This data set is a code file set of TCA (triple collision analysis) algorithm, which is used to generate the global daily-scale soil moisture fusion dataset from 2011 to 2018.

2、Keywords

Theme：Others,fusion,Satellite,hydrology,Microwave Remote Sensing,soil water content,Triple Collocation Analysis, TCA,Remote Sensing Technology,soil,Soil moisture,soil moisture  
Discipline：Remote Sensing Technology  
Places：globe  
Time：day

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：1.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：-180.0 | - | east：180.0 |
| - | south：-77.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

HU Guangcheng, XIE Qiuxia, JIA Li . Codes of the global daily-scale soil moisture fusion dataset based on Triple Collocation Analysis (2011-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/RemoteSen.tpdc.2719882022

References to articles:

Xie, Q., Jia, L., & Menenti, M., et al. (2022). Global soil moisture data fusion by Triple Collocation Analysis from 2011 to 2018. Scientific Data, 9, 687. https://doi.org/10.1038/s41597-022-01772-x

7、Supporting project information

8、Data resource provider

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