Upper Yangtze River Scientific Data Center

**Monthly Mascon Grid Data of GRACE in the Middle and Upper Reaches of the Yangtze River (2002-2022)**

1、Description

GRACE, Gravity Recovery and Climate Experience, jointly developed by NASA and DLR. The data of equivalent liquid water estimation of Mascon RL06 version are provided by Space Research Center (CSR), Jet Power Laboratory (JPL) and Goddard Space Flight Center (GSFC) of the University of Texas in the United States. The spatial resolution is 0.25 °, 0.5 ° and 0.5 ° respectively. The monthly massive grid data of GRACE in the middle and upper reaches of the Yangtze River (2002-2022) was obtained by linear interpolation of the original data, mask extraction in China and coordinate system transformation, and saved in geotiff file format. Its data is true and reliable, and it is the main data used by GRACE to estimate the change of land water reserves.

2、Keywords

Theme：Others,Liquid Equivalent Water Thickness,hydrology,Remote Sensing Technology,Gravity Satellite  
Discipline：Remote Sensing Technology  
Places：Middle and upper Yangtze River  
Time：2002-2022

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：1.19MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：36.5 | - |
| west：89.0 | - | east：112.0 |
| - | south：24.0 | - |

5、Time frame:2002-03-31 16:00:00+00:00--2022-05-31 16:00:00+00:00

6、Reference method

References to data:

BROOKE MEDLEY Bryant D. Loomis,Denis Felikson,Terence J. Sabaka, , F. W. LANDERER, M. M. WATKINS D. N. Wiese, D.-N. Yuan, C. Boening, , BYRON D. TAPLEY Himanshu Save,Srinivas Bettadpur, . Monthly Mascon Grid Data of GRACE in the Middle and Upper Reaches of the Yangtze River (2002-2022). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

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