Upper Yangtze River Scientific Data Center

**Monthly Massive Grid Data of GRACE in the Upper Reaches of the Yangtze River in China (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 (2002-2022) of GRACE in southwest China was obtained by linear time interpolation, mask extraction in China and coordinate system transformation of the original data, 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：Southwest China  
Time：2002-2022

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：1.16MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：34.5 | - |
| west：97.0 | - | east：112.5 |
| - | south：20.5 | - |

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 Massive Grid Data of GRACE in the Upper Reaches of the Yangtze River in China (2002-2022). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

name: F. W. LANDERER, M. M. WATKINS D. N. Wiese, D.-N. Yuan, C. Boening,   
unit: Jet Propulsion Lab  
email: podaac@podaac.jpl.nasa.gov  
  
name: BYRON D. TAPLEY Himanshu Save,Srinivas Bettadpur,   
unit: Center for Space Research  
email: save@csr.utexas.edu  
  
name: BROOKE MEDLEY Bryant D. Loomis,Denis Felikson,Terence J. Sabaka,   
unit: Geo Forschungs Zentrum  
email: Bryant.D.Loomis@nasa.gov