Upper Yangtze River Scientific Data Center

**Sentinel-2 Multispectral Data Set of Southwest China (2019-2021)**

1、Description

Sentinel-2 consists of two satellites. Two identical SENTINEL-2 satellites operate simultaneously, with a phase difference of 180 °, and operate in a sun synchronous orbit with an average altitude of 786 km. The position of each SENTINEL-2 satellite in its orbit is measured by a dual band global navigation satellite system (GNSS) receiver. Track accuracy is maintained through dedicated propulsion systems. Each satellite is equipped with the most advanced Multi Spectral Instrument (MSI), which can provide high-resolution optical imaging. The resolution is 25 meters, covering 13 wavebands (8 commonly used wavebands - 2, 3, 4, 5, 6, 8, 8A are retained after screening). It can be effectively used for land use and change detection mapping, land cover support, disaster relief support, climate change monitoring, etc.

2、Keywords

Theme：Remote Sensing Product,Remote Sensing Technology
Discipline：Remote Sensing Technology
Places：Southwest China
Time：2019-2021

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：298000.0MB

4.Data format：None

4、Space scope

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

5、Time frame:2018-12-31 16:00:00+00:00--2021-12-30 16:00:00+00:00

6、Reference method

References to data:

GU Songwei , ACCESS HUB Copernicus Open . Sentinel-2 Multispectral Data Set of Southwest China (2019-2021). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

name: GU Songwei
unit: Southwest University
email: pandawei0904@gmail.com

name: ACCESS HUB Copernicus Open
unit: European Space Agency
email: eosupport@copernicus.esa.int