Upper Yangtze River Scientific Data Center

**OCO2 in Southwest China\_ L2\_ Lite\_ FP Dataset (2014-2022)**

1、Description

Version 10r is the current version of the dataset. The old version will no longer be available and will be replaced by version 10r. OCO-2 Lite file contains XCO2 corrected for deviation and other selection fields aggregated as daily files. At the beginning of 2021, the OCO team found a problem with OCO-2 secondary products that had been handled since January 28, 2020. The auxiliary geometric product (AGAP) file is a static file used in OCO secondary geographic positioning processing. This AGAP file contains about 300 m pointing errors. Therefore, all OCO-2 Level 2 10r data files from January 28 to December 31, 2020 have been corrected and replaced. The replacement process will be completed by the end of June 2021. Orbital carbon observatory is the first mission of NASA, which aims to collect the spatial measurement data of atmospheric carbon dioxide. Its accuracy, resolution and coverage are required to control the process of its accumulation in the atmosphere.

2、Keywords

Theme：Greenhouse Gases,Carben dioxide  
Discipline：Atmosphere  
Places：Southwest China  
Time：2014-2022

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1270.0MB

4.Data format：None

4、Space scope

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

5、Time frame:2014-09-05 16:00:00+00:00--2022-02-27 16:00:00+00:00

6、Reference method

References to data:

NASA NASA . OCO2 in Southwest China\_ L2\_ Lite\_ FP Dataset (2014-2022). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

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