A Big Earth Data Platform for Three Poles

**Postprocessing products for remote sensing of surface velocity of McMurdo Dry Valleys 60m Sentinel-1/2/Landsat Glacier in Antarctica from 2015 to 2020**

1、Description

The Antarctic McMurdo Dry Valleys ice velocity product is based on the Antarctic Ice Sheet Velocity and Mapping Project (AIV) data product, which is post-processed with advanced algorithms and numerical tools. The product is mapped using Sentinel-1/2/Landsat data and provides uniform, high-resolution (60m) ice velocity results for McMurdo Dry Valleys, covering the period from 2015 to 2020.

2、Keywords

Theme：Antarctic,Remote Sensing Product,Microwave Remote Sensing,Cryosphere remote sensing products,Surface Freeze-thaw Cycle/state Remote Sensing,Remote Sensing Technology,Glacial velocity,Optical remote sensing,Glacier(Ice Sheet)
Discipline：Remote Sensing Technology,Cryosphere
Places：Antarctic McMurdo Dry Valleys
Time：2015-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：62.9MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：-77.0 | - |
| west：159.0 | - | east：165.0 |
| - | south：-78.0 | - |

5、Time frame:2014-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

JIANG Liming. Postprocessing products for remote sensing of surface velocity of McMurdo Dry Valleys 60m Sentinel-1/2/Landsat Glacier in Antarctica from 2015 to 2020. A Big Earth Data Platform for Three Poles, doi:10.11888/Cryos.tpdc.2729202022

References to articles:

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）

8、Data resource provider

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