A Big Earth Data Platform for Three Poles

**ASAR dataset of Greenland (2005)**

1、Description

This data set contains the wide swath mode Level 1B SAR data acquired over Greenland in 2005 by the ASAR sensor of the ENVISAT-1 satellite. The width is 400 km, the spatial resolution is 75 m, and the absolute positioning accuracy is approximately 200 m.  
The SAR data are stored in a time-growth order, which causes the images of the descending track to be left-right mirror images and the images of the ascending track to be up-down images.  
The naming scheme for these data is as follows:  
ASA\_IMS\_1PPIPA 20050402\_095556\_000000162036\_00065\_16151\_0388.N1  
ASA: Product identification, ASAR Sensor  
IMS: Reception and processing information of the data (imaging modes, such as WS, WSS, IM, ...)  
1PPIPA: Customized number  
20050402: Acquisition time of the data (UTC time)  
095556: Geographic location (start, end)  
000000162036: Information on the satellite orbit  
00065: Product trust data  
16151: Size and structure information of the product  
0388 => Check code

2、Keywords

Theme：Radar images,Glacier(Ice Sheet),Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface,Cryosphere  
Places：Greenland  
Time：2005

3、Data details

1.Scale：75

2.Projection：

3.Filesize：520000.0MB

4.Data format：N1

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：None | - | east：360.0 |
| - | south：50.0 | - |

5、Time frame:2005-01-06 16:00:00+00:00--2006-01-05 16:00:00+00:00

6、Reference method

References to data:

HUI Fengming. ASAR dataset of Greenland (2005). A Big Earth Data Platform for Three Poles, 2018

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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