A Big Earth Data Platform for Three Poles

**Landsat 8 dataset of Greenland (2014-2015)**

1、Description

A remote sensing image mosaic was generated for Greenland by processing a collection of 108 scenes of Landsat 8 OLI remote sensing images from 2014 to 2015 with DN correction, cloud removal correction, planetary reflectance correction, reflectance and RGB value conversion, image synthesis and merging, etc. The spatial resolution of the entire image is 30 m, and the stereographic projection method is adopted.

2、Keywords

Theme：冰盖, landsat-8, 遥感  
Discipline：Cryosphere science, Physical geography  
Places：Greenland  
Time：2014-2015

3、Data details

1.Scale：30

2.Projection：

3.Filesize：300000.0MB

4.Data format：img

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：85.0 | - |
| west：350.0 | - | east：270.0 |
| - | south：59.0 | - |

5、Time frame:2014-01-05 08:00:00+00:00--2016-01-04 08:00:00+00:00

6、Reference method

References to data:

Zhuoqi Chen. Landsat 8 dataset of Greenland (2014-2015). A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2702762018

References to articles:

7、Supporting project information

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

8、Data resource provider

name: Zhuoqi Chen  
unit: Beijing Normal University  
email: chenzq@bnu.edu.cn