A Big Earth Data Platform for Three Poles

**Drone orthophoto image and DSM of Qumalai alpine meadow plot (2018)**

1、Description

On August 19, 2018, DJI UAV was used to aerial photograph the alpine meadow sample in Qumali County, the source Park of the Yangtze River. The overlap degree of adjacent photographs was not less than 70% according to the set flight route. The Orthophoto Image and DSM were generated using the photographs taken. The Orthophoto Image included three bands of red, green and blue. The ground resolution of the Orthophoto Image was 2.5 cm, and the area of the image was 860 m x 770 m, and the resolution of DSM. It's 4.5cm.

2、Keywords

Theme：Terrestrial Surface Remote Sensing,Ground verification information  
Discipline：Terrestrial Surface  
Places：Qumalai, Three Rivers Source  
Time：

3、Data details

1.Scale：None

2.Projection：

3.Filesize：35840.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.38 | - |
| west：89.15 | - | east：102.58 |
| - | south：30.79 | - |

5、Time frame:2018-08-28 16:00:00+00:00--2018-08-28 16:00:00+00:00

6、Reference method

References to data:

WANG Xufeng, WEI Yanqiang. Drone orthophoto image and DSM of Qumalai alpine meadow plot (2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2700942018

References to articles:

7、Supporting project information

Ecological Data Center of Sanjiangyuan National Park

8、Data resource provider

name: WEI Yanqiang  
unit: Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences  
email: weiyq@lzb.ac.cn  
  
name: WANG Xufeng  
unit: Cold and Arid Regions Environmental and Engineering Research Institute, CAS  
email: wangxufeng@lzb.ac.cn