A Big Earth Data Platform for Three Poles

**Drone orthophoto image and DSM of Qinghai Hoh Xil plot (2018)**

1、Description

On August 22, 2018, a DJI camera was used in the fixed sample of Lancang River headwaters. The overlap degree of adjacent photos 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, with a ground resolution of 2.5 cm, a shooting area of 1000m x 1000m and a DSM resolution of 4.5 cm. Due to the communication failure, the middle four airstrips were not photographed, so there was a band in the middle of the image missing.

2、Keywords

Theme：无人机, DSM, 样方调查
Discipline：Hydrological Science, Geographic Sciences, Atmospheric science
Places：source region of the Lancang River, Hoh Xil, Three Rivers Source
Time：

3、Data details

1.Scale：None

2.Projection：

3.Filesize：25395.2MB

4.Data format：None

4、Space scope

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

5、Time frame:2018-08-27 16:00:00+00:00--2018-08-27 16:00:00+00:00

6、Reference method

References to data:

WANG Xufeng. Drone orthophoto image and DSM of Qinghai Hoh Xil plot (2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2705422018

References to articles:

7、Supporting project information

Ecological Data Center of Sanjiangyuan National Park

8、Data resource provider

name: WANG Xufeng
unit: Cold and Arid Regions Environmental and Engineering Research Institute, CAS
email: wangxufeng@lzb.ac.cn