A Big Earth Data Platform for Three Poles

**Aerial data set of hydropower station in datong river basin of Qinghai Province**

1、Description

The data includes ten typical hydropower stations in Datong River Basin of Qinghai-Tibet Plateau in July 2020, including Duolong Hydropower Station, Gousikou Hydropower Station, Jinxing Hydropower Station, Kasuoxia Hydropower Station, Liancheng Hydropower Station, Nazixia Hydropower Station, Stone Gorge Hydropower Station, Tianwanggou Hydropower Station, Tiemai Hydropower Station and Xueyitan Hydropower Station. Data are helpful to study the distribution and use of hydropower stations in Datong River Basin. The data were taken by the expedition team through aerial photography using DJI UAV RTK and Royal Series, and spliced by DJI mapping software. The aerial image data has high definition, which can obviously observe the water level difference between upstream and downstream of the hydropower station and the topographic distribution around the hydropower station. The data can be applied to the research field of hydropower stations in Qinghai-Tibet Plateau, providing relevant analysis data.

2、Keywords

Theme：UAV,Water level,Remote Sensing Technology,Hydrology  
Discipline：Terrestrial Surface,Remote Sensing Technology  
Places：Qinghai  
Time：2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：12083.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.61 | - |
| west：101.16 | - | east：102.76 |
| - | south：36.74 | - |

5、Time frame:2019-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

FU Bin. Aerial data set of hydropower station in datong river basin of Qinghai Province. A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2715072021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: FU Bin  
unit:   
email: fubin@imde.ac.cn