A Big Earth Data Platform for Three Poles

**HiWATER: Airborne CCD image data production in the Shenshawo desert area of the Heihe River Basin**

1、Description

On 19 August 2012, a RCD30 camera of Leica Company boarded on the Y-12 aircraft was used to obtain the CCD image. RCD30 camera has a focal length of 80 mm and four bands including red, green, blue and near-infrared bands. The absolute flight altitude is 2900 m and ground sample distance is 10 cm. The data includes TIF images and exterior orientation elements.

2、Keywords

Theme：Remote Sensing Technology,CCD  
Discipline：Remote Sensing Technology  
Places：Heihe River Basin, the artificial oasis experimental area in the middle reaches, Shenshawo desert station  
Time：2012-08-19, 2012

3、Data details

1.Scale：0

2.Projection：WGS84 UTM

3.Filesize：19281.0MB

4.Data format：tif

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.78 | - |
| west：100.46 | - | east：100.48 |
| - | south：38.76 | - |

5、Time frame:2018-11-28 02:47:32.347780+00:00--2018-11-28 02:47:32.347784+00:00

6、Reference method

References to data:

Wen Jianguang. HiWATER: Airborne CCD image data production in the Shenshawo desert area of the Heihe River Basin. A Big Earth Data Platform for Three Poles, doi:10.3972/hiwater.143.2013.db2018

References to articles:

Li, X., Liu, S.M., Xiao, Q., Ma, M.G., Jin, R., Che, T., Wang, W.Z., Hu, X.L., Xu, Z.W., Wen, J.G., Wang, L.X. (2017). A multiscale dataset for understanding complex eco-hydrological processes in a heterogeneous oasis system. Scientific Data, 4, 170083. doi:10.1038/sdata.2017.83.

7、Supporting project information

Heihe Watershed Allied Telemetry Experimental Research (HiWATER)

8、Data resource provider

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