A Big Earth Data Platform for Three Poles

**HiWATER: CCD reference image in core experimental area of flux observation matrix in the midstream of the Heihe River Basin**

1、Description

This dataset includes two reference images. The first one is before the calibration and validation experiment and the second one is during the calibration and validation experiment. The first image was shoot and mosaicked by CCD camera on 8 November, 2011. It was mainly used to design the experiment in the middle stream. The spatial resolution is 0.3 m for raw image and 0.5 m for the mosaicked image. The second reference image is CASI image shoot on 29 June, 2012. This image is mainly used to crop structure mapping in the experiment area. The spatial resolution is 0.3 m for raw image and 0.5 m for the mosaicked image.  
Data format：GeoTIFF  
Projection：The 2000 national geodetic coordinate system

2、Keywords

Theme：Remote Sensing Technology,CCD  
Discipline：Remote Sensing Technology  
Places：Heihe River Basin, the artificial oasis experimental area in the middle reaches, flux observation matrix, Daman Superstation  
Time：2011, 2012, 2012-06-29, 2011-11-08

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：1587.2MB

4.Data format：文本, \*.IGM, \*.rrd后缀

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.8814 | - |
| west：100.3364 | - | east：100.3983 |
| - | south：38.8265 | - |

5、Time frame:2018-11-24 10:50:14+00:00--2018-11-24 10:50:14+00:00

6、Reference method

References to data:

MA Mingguo. HiWATER: CCD reference image in core experimental area of flux observation matrix in the midstream of the Heihe River Basin. A Big Earth Data Platform for Three Poles, doi:10.3972/hiwater.045.2013.db2017

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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