A Big Earth Data Platform for Three Poles

**WATER: Dataset of eddy covariance observations at the national observatory on climatology at Zhangye (2008-2009)**

1、Description

This data set contains the eddy related data of Zhangye National Climate Observatory from 2008 to 2009. The station is located in Zhangye, Gansu Province, with longitude and latitude of 100 ° 17 ′ e, 39 ° 05 ′ N and altitude of 1456m.   
For more information, see the documentation that came with the data.

2、Keywords

Theme：Heat flux,Radiative flux,Radiation,Greenhouse Gases,Atmospheric Water Vapor  
Discipline：Atmosphere  
Places：Heihe River Basin, Zhangye National Climate Observatory, Arid Region Hydrology in the Middle Reaches  
Time：2009, 2008

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：25369.0MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.0833 | - |
| west：100.283 | - | east：100.283 |
| - | south：39.0833 | - |

5、Time frame:2008-01-16 16:00:00+00:00--2009-08-15 16:00:00+00:00

6、Reference method

References to data:

WATER: Dataset of eddy covariance observations at the national observatory on climatology at Zhangye (2008-2009). A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0297.db2013

References to articles:

张智慧, 王维真, 马明国, 吴月茹, 徐自为. WATER试验涡动相关通量数据处理方法及产品生成. 遥感技术与应用, 2010, 25(6): 788-796.  
  
Xu, T., Liu, S., Xu, L., Chen, Y., Jia, Z., Xu, Z., Nielson, J. (2015). Temporal Upscaling and Reconstruction of Thermal Remotely Sensed Instantaneous Evapotranspiration. Remote Sensing. 7(3), 3400-3425. doi:10.3390/rs70303400.

7、Supporting project information

The CAS (Chinese Academy of Sciences) Action Plan for West Development Project  
National Program on Key Basic Research Project (973 Program

8、Data resource provider