A Big Earth Data Platform for Three Poles

**The soil heat flux dataset in the lower reaches of Heihe River (2011-2013)**

1、Description

Soil heat flux is an important part of surface energy balance, and it is the basis of energy balance analysis. In 2011-2013, hfp01 was installed at 5cm and 10cm of Tamarix community in the lower reaches of Heihe River to measure soil heat flux, with the frequency of 0.5h.

2、Keywords

Theme：Soil,Soil heat flux  
Discipline：Terrestrial Surface  
Places：Ejin, The Lower Reaches of Heihe River Basin  
Time：2011-2013

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.7MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.03335278 | - |
| west：101.0498361 | - | east：101.0498361 |
| - | south：42.03335278 | - |

5、Time frame:2011-01-15 12:01:00+00:00--2014-01-14 12:01:00+00:00

6、Reference method

References to data:

The soil heat flux dataset in the lower reaches of Heihe River (2011-2013). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.019.2014.db2014

References to articles:

Yu, T.F., Feng, Q., Si, J.H., Xi, H.Y., Li, Z.X., & Chen, A.F. (2013). Hydraulic redistribution of soil water by roots of two desert riparian phreatophytes in northwest China's extremely arid region. Plant and soil, 372(1-2): 297-308.

7、Supporting project information

8、Data resource provider