A Big Earth Data Platform for Three Poles

**Eddy covariance data in Hulugou sub-basin of alpine Heihe River (2013)**

1、Description

1. Data overview:  
This data set is eddy covariance Flux data of qilian station from January 1, 2013 to December 31, 2013.  
2. Data content:  
The observation items are: horizontal wind speed Ux (m/s), horizontal wind speed Uy (m/s), vertical wind speed Uz (m/s), ultrasonic temperature Ts (Celsius), co2 concentration co2 (mg/m^3), water vapor concentration h2o (g/m^3), pressure press (KPa), etc.The data is 30min Flux data.  
3. Space and time range:  
Geographical coordinates: longitude: 99° 52’e;Latitude: 38°15 'N;Height: 3232.3 m

2、Keywords

Theme：Water vapor,Winds,Atmospheric pressure measurements,Pressure,wind speed,Atmospheric Water Vapor  
Discipline：Atmosphere  
Places：Heihe River Basin, Upper Reaches of Heihe Basin, Hulugou Basin  
Time：2013

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：2.95MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.25 | - |
| west：99.87 | - | east：99.87 |
| - | south：38.25 | - |

5、Time frame:2013-01-13 07:00:00+00:00--2014-01-12 07:00:00+00:00

6、Reference method

References to data:

CHEN Rensheng. Eddy covariance data in Hulugou sub-basin of alpine Heihe River (2013). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.016.2015.db2015

References to articles:

Chen, R.S., Song, Y.X., Kang, E.S., Han, C.T., Liu, J.F., Yang, Y., Qing, W.W., &Liu, Z.W. (2014). A Cryosphere-Hydrology Observation System in a Small Alpine Watershed in the Qilian Mountains of China and Its Meteorological Gradient. Arctic, Antarctic, and Alpine Research, 46(2), 505-523.  
  
Han, C.T., Chen, R.S., Liu, Z.W., Yang, Y., Liu, J.F., Song, Y.X., Wang, L., Liu, G.H., Guo, S.H.,, & Wang, X.Q. (2018). Cryospheric Hydrometeorology Observation in the Hulu Catchment (CHOICE), Qilian Mountains, China. Vadose Zone Journal, 17(1), 1-18.

7、Supporting project information

8、Data resource provider

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