A Big Earth Data Platform for Three Poles

**Naqu Flux Observation Data (2017)**

1、Description

This dataset is the daily vorticity related flux observation data of Naqu flux station (31.64 ° N 92.01 ° E, 4598 m a.s.l.), including net ecosystem productivity (NEP), total primary productivity (GPP), ecosystem respiration (ER), evapotranspiration, latent heat, sensible heat, air temperature, relative humidity, wind speed, soil temperature, soil moisture and other data. The main steps of data pre-processing include wild point removal (± 3 σ）、 Coordinate axis rotation (3D wind rotation), Webb Pearman Leuning correction, outlier elimination, carbon flux interpolation and decomposition, etc. Missing data are interpolated through the nonlinear empirical formula between CO2 flux value (Fc) and environmental factors.

2、Keywords

Theme：Earth SurFace Processes,Carbon flux,Net ecosystem exchange
Discipline：Terrestrial Surface
Places：Three poles
Time：2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.64 | - |
| west：92.01 | - | east：92.01 |
| - | south：31.64 | - |

5、Time frame:2016-12-31 16:00:00+00:00--2017-12-30 16:00:00+00:00

6、Reference method

References to data:

ZHANG Yangjian. Naqu Flux Observation Data (2017). A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2728612022

References to articles:

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）

8、Data resource provider

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