A Big Earth Data Platform for Three Poles

**The meteorological observation dataset of Guoluo meadow on the Tibetan Plateau (2005-2009)**

1、Description

This data set includes meteorological data observed by the carbon flux station in the Guoluo Army Ranch in Qinghai. The temporal coverage is from 2005 to 2009, and the temporal resolution is 1 day. Meteorological and carbon flux data observation methods: vorticity-related observation instruments were used for automatic recording; biomass observation method: harvest method, weighing in a 60-degree oven for 48 hours. Both carbon flux and meteorological data were automatically recorded by the instruments and manually checked. During the data observation process, the operation of the instrument and the selection of the observation objects were in strict accordance with professional requirements, and the data could be applied to plant leaf photosynthetic parameter simulation and productivity estimation.  
This data contains observation items as follows:  
Temperature °C  
Precipitation mm  
Wind speed m/s  
Soil temperature at 5 cm depth °C  
Photosynthetically active radiation µmol/m²s  
Total radiation W/m²

2、Keywords

Theme：Soil,Precipitation,Radiation,Winds,Precipitation amount,Soil temperature  
Discipline：Atmosphere,Terrestrial Surface  
Places：Qinghai, Guoluo Meadow  
Time：

3、Data details

1.Scale：None

2.Projection：

3.Filesize：6.52MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：34.0 | - |
| west：100.0 | - | east：101.0 |
| - | south：35.0 | - |

5、Time frame:2005-01-05 08:00:00+00:00--2010-01-04 08:00:00+00:00

6、Reference method

References to data:

ZHAO Xinquan. The meteorological observation dataset of Guoluo meadow on the Tibetan Plateau (2005-2009). A Big Earth Data Platform for Three Poles, doi:10.11888/AtmosphericPhysics.tpe.74.db2018

References to articles:

7、Supporting project information

The Response of Environmental Changes on Tibetan Plateau to Global Changes and Adaptation Strategy

8、Data resource provider

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