A Big Earth Data Platform for Three Poles

**Automatic weather station dataset from Guoluo station (2017)**

1、Description

The data set contains meteorological observations from Guoluo Station from January 1, 2017, to December 31, 2017, and includes temperature (Ta\_1\_AVG), relative humidity (RH\_1\_AVG), vapour pressure (Pvapor\_1\_AVG), average wind speed (WS\_AVG), atmospheric pressure (P\_1), average downward longwave radiation (DLR\_5\_AVG), average upward longwave radiation (ULR\_5\_AVG), average net radiation (Rn\_5\_AVG), average soil temperature (Ts\_TCAV\_AVG), soil water content (Smoist\_AVG), total precipitation (Rain\_7\_TOT), downward longwave radiation (CG3\_down\_Avg), upward longwave radiation (CGR3\_up\_Avg), average photosynthetically active radiation (Par\_Avg), etc. The temporal resolution is 1 hour. Missing observations have been assigned a value of -99999.

2、Keywords

Theme：Precipitation,Radiation,Temperature,Winds,Precipitation amount,Humidity/Dryness,Pressure  
Discipline：Atmosphere  
Places：Guoluo, Three-River-Source National Park, Three Rivers Source  
Time：2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：3.5MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：34.9198 | - |
| west：98.2726 | - | east：98.2726 |
| - | south：34.9198 | - |

5、Time frame:2017-01-15 08:00:00+00:00--2018-01-14 08:00:00+00:00

6、Reference method

References to data:

Automatic weather station dataset from Guoluo station (2017). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2705542018

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider