A Big Earth Data Platform for Three Poles

**Dataset of automatic meteorological observations at the Sub-Basin in Qilian Mountain (2011-2012)**

1、Description

The data set contains observation data from the Tianlaochi small watershed automatic weather station. The latitude and longitude of the station are 38.43N, 99.93E, and the altitude is 3100m.
Observed items are time, average wind speed (m/s), maximum wind speed (m/s), 40-60cm soil moisture, 0-20 soil moisture, 20-40 soil moisture, air pressure, PAR, air temperature, relative humidity, and dew point temperature , Solar radiation, total precipitation, 20-40 soil temperature, 0-20 soil temperature, 40-60 soil temperature.
The observation period is from May 25, 2011 to September 11, 2012, and all parameter data are compiled on a daily scale.

2、Keywords

Theme：Soil,Precipitation,Radiation,Temperature,Winds,Soil temperature,Solar radiation,Humidity/Dryness,Soil moisture/Water content,Pressure,wind speed
Discipline：Atmosphere,Terrestrial Surface
Places：Heihe River Basin, Tianlaochi Catchment, Sidalong Forest Region
Time：

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：104.0MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.33 | - |
| west：99.73 | - | east：99.98 |
| - | south：38.5 | - |

5、Time frame:2011-12-03 17:00:00+00:00--2013-03-22 17:00:00+00:00

6、Reference method

References to data:

MA Wenying, ZHAO Chuanyan. Dataset of automatic meteorological observations at the Sub-Basin in Qilian Mountain (2011-2012). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.102.2013.db2014

References to articles:

7、Supporting project information

8、Data resource provider

name: MA Wenying
unit: Lanzhou University
email: mawy12@lzu.edu.cn

name: ZHAO Chuanyan
unit: Lanzhou University
email: nanzhr@lzb.ac.cn