A Big Earth Data Platform for Three Poles

**Monthly standard weather station dataset in Sanjiangyuan (1957-2015)**

1、Description

Monthly meteorological data of Sanjiangyuan includes 32 national standard meteorological stations. There are 26 variables: average local pressure, extreme maximum local pressure, date of extreme maximum local pressure, extreme minimum local pressure, date of extreme minimum local pressure, average temperature, extreme maximum temperature, date of extreme maximum temperature, extreme minimum temperature and date of extreme minimum temperature, average temperature anomaly, average maximum temperature, average minimum temperature, sunshine hours, percentage of sunshine, average relative humidity, minimum relative humidity, date of occurrence of minimum relative humidity, precipitation, days of daily precipitation >=0.1mm, maximum daily precipitation, date of maximum daily precipitation, percentage of precipitation anomaly, average wind speed, maximum wind speed, date of maximum wind speed, maximum wind speed, wind direction of maximum wind speed, wind direction of maximum wind speed and occurrence date of maximum wind speed. The data format is txt, named by the site ID, and each file has 26 columns. The names and units of each column are explained in the SURF\_CLI\_CHN\_MUL\_MON\_readme.txt file.  
site\_id lat lon elv name\_cn  
52754 37.33 100.13 8301.50 Gangcha  
52833 36.92 98.48 7950.00 Wulan  
52836 36.30 98.10 3191.10 Dulan  
52856 36.27 100.62 2835.00 Qiapuqia  
52866 36.72 101.75 2295.20 Xining  
52868 36.03 101.43 2237.10 Guizhou  
52908 35.22 93.08 4612.20 Wudaoliang  
52943 35.58 99.98 3323.20 Xinghai  
52955 35.58 100.75 8120.00 Guinan  
52974 35.52 102.02 2491.40 Tongren  
56004 34.22 92.43 4533.10 Togton He  
56018 32.90 95.30 4066.40 Zaduo  
56021 34.13 95.78 4175.00 Qumalai  
56029 33.02 97.02 3681.20 Yushu  
56033 34.92 98.22 4272.30 Maduo  
56034 33.80 97.13 4415.40 Qingshui River  
56038 32.98 98.10 9200.00 Shiqu  
56043 34.47 100.25 3719.00 Guoluo  
56046 33.75 99.65 3967.50 Dari  
56065 34.73 101.60 8500.00 Henan  
56067 33.43 101.48 3628.50 Jiuzhi  
56074 34.00 102.08 3471.40 Maqu  
56080 35.00 102.90 2910.00 Hezuo  
56106 31.88 93.78 4022.80 Suo County  
56116 31.42 95.60 3873.10 Dingqing  
56125 32.20 96.48 3643.70 Nangqian  
56128 31.22 96.60 3810.00 Leiwuqi  
56137 31.15 97.17 3306.00 Changdu  
56151 32.93 100.75 8530.00 Banma  
56152 32.28 100.33 8893.90 Seda

2、Keywords

Theme：相对湿度, 日照时数, 降水, 水文科学, 气温, 气象站  
Discipline：Geographic Sciences, Atmospheric science  
Places：Three-River-Source National Park, Three Rivers Source  
Time：

3、Data details

1.Scale：None

2.Projection：

3.Filesize：3.36MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.38 | - |
| west：89.15 | - | east：102.58 |
| - | south：30.79 | - |

5、Time frame:1957-07-16 16:00:00+00:00--2016-07-14 16:00:00+00:00

6、Reference method

References to data:

National Meteorological Information Center. Monthly standard weather station dataset in Sanjiangyuan (1957-2015). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2705402019

References to articles:

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国家气象中心. (1990). 全国地面气候资料(1961-1990)统计方法. 内部文献.  
  
中央气象局. (1978). 全国地面气象资料信息化基本模式暂行规定.

7、Supporting project information

Ecological Data Center of Sanjiangyuan National Park

8、Data resource provider

name: National Meteorological Information Center  
unit:   
email: 无