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:

中国气象局. (2003). 地面气象观测规范. 气象出版社.

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