A Big Earth Data Platform for Three Poles

**Meteorological Datasets of Xidatan station (XDT) on the Tibetan Plateau in 2014-2018**

1、Description

This dataset is Meteorologic Elements Dataset of XDT on Qinghai-Tibet Plateau 2014-2018. Meteorologic elements including: 2m air temperature(℃), 2m air humidity(%), precipitation(mm), 2m wind speed(m/s), global radiation(w/㎡). The data are from the XiDaTan monitoring site(site code: XDTMS) of Cryosphere Research Station on Qinghai-Tibat Plateau, Chinese Academy of Sciences(CRS-CAS). These daily data was calculated from the original monitoring data(monitoring frequency is 30min). The missing part of the daily data was marked by NAN, which were manually collated and verified. The missing period was from 2017-7-7 to 2017-10-3.

2、Keywords

Theme：Frozen Ground  
Discipline：Atmosphere,Cryosphere  
Places：  
Time：

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.085MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：35.72 | - |
| west：94.13 | - | east：94.13 |
| - | south：35.72 | - |

5、Time frame:2014-01-05 00:00:00+00:00--2018-11-23 00:00:00+00:00

6、Reference method

References to data:

ZHAO Lin. Meteorological Datasets of Xidatan station (XDT) on the Tibetan Plateau in 2014-2018. A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2700842018

References to articles:

赵林, 吴通华, 谢昌卫, 李韧, 吴晓东, & 姚济敏,等. (2017). 多年冻土调查和监测为青藏高原地球科学研究、环境保护和工程建设提供科学支撑. 中国科学院院刊(10), 113-122.

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

name: ZHAO Lin  
unit: Northwest Institute of Eco-Environment and Resources, CAS  
email: linzhao@lzb.ac.cn