A Big Earth Data Platform for Three Poles

**Radiosonde observation data of stations on the Tibetan Plateau in 2014**

1、Description

This data set integrates the radiosonde observation data of the stations of Everest, Nyingchi and Namuco in 2014 (the radiosonde observation periods are 08:00, 14:00 and 20:00 in June, August and November) and the Shiquanhe station (the radiosonde observation periods are 02:00, 08:00, 14:00 and 20:00 in May, July and October) in the three-dimensional comprehensive observation test of "Earth atmosphere interaction and climate effect" of the second Tibetan Plateau scientific research in 2019. This data is the gradient observation data composed of potential temperature, specific humidity, wind speed, wind direction and relative height. The data acquisition frequency is 2S and the use time is Beijing. The naming rule of data integrity file is: year + element xlsx。

2、Keywords

Theme：Atmospheric boundary layer,Temperature,Wind temperature,Winds,Planetary boundary layer height,Altitude
Discipline：Atmosphere
Places：the northern slope of the Qomolangma (Everest) region, Namucuo, Shiquanhe, Nyingchi
Time：2019, 2014

3、Data details

1.Scale：None

2.Projection：

3.Filesize：13.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.49 | - |
| west：80.1 | - | east：94.74 |
| - | south：28.21 | - |

5、Time frame:2014-04-30 16:00:00+00:00--2014-12-01 03:59:59+00:00

6、Reference method

References to data:

LI Maoshan, MA Weiqiang\*, HU Zeyong, CHEN Xuelong, MA Yaoming, SUN Fanglei. Radiosonde observation data of stations on the Tibetan Plateau in 2014. A Big Earth Data Platform for Three Poles, doi:10.11888/Atmos.tpdc.2723842022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: MA Weiqiang\*
unit: Institute of Tibetan Plateau Research, Chinese Academy of Sciences
email: wqma@itpcas.ac.cn

name: MA Yaoming
unit: Institute of Tibetan Plateau Research, Chinese Academy of Sciences
email: ymma@itpcas.ac.cn

name: SUN Fanglei
unit:
email: fanglin.sun@gmail.com

name: HU Zeyong
unit: Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
email: zyhu@lzb.ac.cn

name: LI Maoshan
unit:
email:

name: CHEN Xuelong
unit:
email: x.chen@itpcas.ac.cn