A Big Earth Data Platform for Three Poles

**Shergyla Mountain meteorological data (2005-2017)**

1、Description

Shergyla Mountain meteorological data, Record the surface near Linzhi(1.2-1.5m) conventional meteorological observation.The dataset records the meteorological data at the eastern slope of Shergyla Mountain from 2005 to 2016, and North-facing slope from 2005 to 2012.Including daily average data of temperature, relative humidity, precipitation.
Data collected near the eastern slope timberline of Shergyla Mountain, Latitude:29°39′25.2″N; Longitude:94°42′25.62″E; Altitude:4390m, and collected near the north-facing slope of Shergyla Mountain, Latitude:29°35′50.9″N; Longitude:94°36′42.7″E; Altitude:4390m.
Collector: Campbell Co CR1000. Collection time interval：30min. Digital automatic data collection, daily average value of artificial calculation.
It includes the following basic meteorological parameters:
North-facing slope data:
Wind speed，Unit m/s
Temperature，Unit ℃
Relative Humidity，Unit %
Atmospheric pressure，Unit hPa
Global radiation，Unit w/m2
Soil heat flux，Unit w/m2
Soil temperature，Unit ℃
Soil moisture，Unit %
Precipitation，Unit mm
Thickness of snow, Unit cm

Ecology station data:
Temperature，Unit ℃
Relative Humidity，Unit %
Atmospheric pressure，Unit hPa
Wind speed，Unit m/s
Precipitation，Unit mm
Snow Depth，Unit cm
Radiation，Unit w/m2
Soil moisture content，Unit %
Soil heat flux，Unit w/m2

2、Keywords

Theme：Temperature,Humidity/Dryness,Pressure
Discipline：Atmosphere,Terrestrial Surface
Places：Southeastern Tibet, Linzhi, Shergyla Mountain
Time：2005-2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.62MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.66 | - |
| west：94.61 | - | east：94.71 |
| - | south：29.59 | - |

5、Time frame:2005-08-27 08:00:00+00:00--2018-01-08 08:00:00+00:00

6、Reference method

References to data:

Luo Lun. Shergyla Mountain meteorological data (2005-2017). A Big Earth Data Platform for Three Poles, doi:10.11888/AtmosphericPhysics.tpe.249395.db2019

References to articles:

7、Supporting project information

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

8、Data resource provider

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