A Big Earth Data Platform for Three Poles

**Kyrgyzstan glacier meteorological station (2018-2020)**

1、Description

Kara batkak glacier meteorological station in West Tianshan, Kyrgyzstan (42 ° 9'46 ″ n, 78 ° 16'21 ″ e, 3280m).
The observation data include hourly meteorological elements (hourly rainfall (mm), instantaneous wind direction (°), instantaneous wind speed (M / s), 2-minute wind direction (°), 2-minute wind speed (M / s), 10 minute wind direction (°), 10 minute wind speed (M / s), wind direction at maximum wind speed (°), maximum wind speed (M / s), maximum wind speed time, wind direction at maximum wind speed (°), and maximum wind speed (M / s) , maximum wind speed time, maximum instantaneous wind speed and wind direction in minutes (°), maximum instantaneous wind speed in minutes (M / s), air pressure (HPA), maximum air pressure (HPA), maximum air pressure occurrence time, minimum air pressure (HPA), minimum air pressure occurrence time).
Meteorological observation elements, after accumulation and statistics, are processed into climate data to provide important data for planning, design and research of agriculture, forestry, industry, transportation, military, hydrology, medical and health, environmental protection and other departments.

2、Keywords

Theme：Visibility
Discipline：Atmosphere
Places：Meteorological observation, Kyrgyzstan
Time：2018-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：6.609MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：43.0 | - |
| west：77.0 | - | east：79.0 |
| - | south：41.0 | - |

5、Time frame:2018-10-15 16:00:00+00:00--2020-08-31 16:00:00+00:00

6、Reference method

References to data:

HUO Wen. Kyrgyzstan glacier meteorological station (2018-2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2717462021

References to articles:

Pan, H.L., Huo, W\*., Kumar, K.R\*., Ali, M., Wang, M.Z., Liu, J.J, Zhou, C.L., Yang, F., & Yang, X.H. (2020). Comparison and Analysis of Meteorological Variables Observed from the Glacier Area over the Tianshan Mountains in Kyrgyzstan and China[J]. Asia-Pacific Journal of Atmospheric Sciences

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: HUO Wen
unit:
email: huowenpet@idm.cn