A Big Earth Data Platform for Three Poles

1、Description

2、Keywords

Theme：Maximum/Minimum temperature,Landsat,Precipitation,Radiation,Temperature,Rain gauge,Grassland,Land surface product,Carbon dioxide flux,Land cover,Terrestrial Surface Remote Sensing,Grassland
Discipline：Atmosphere,Terrestrial Surface
Places：Nam Co, Alpine shrubline
Time：2005-2020, half-hourly

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：173.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.8 | - |
| west：90.89 | - | east：91.03 |
| - | south：30.68 | - |

5、Time frame:None--None

6、Reference method

References to data:

Felix Nieberding, MA Weiqiang, WANG Yuyang, Torsten Sachs, LEHNERT Lukas, MAURISCHAT Philipp, MA Yaoming, Cristian Wille. Half-hourly Eddy Covariance fluxes, gap-filled meteorological variables, precipitation and remotely sensed plant cover estimations from NAMORS between 2005 and 2020. A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2712742021

References to articles:

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Ma, Y.M., Ma, W.Q., Zhong, L., Hu, Z., Li, M., Zhu, Z., et al. (2017). Monitoring and Modeling the Tibetan Plateau’s climate system and its impact on East Asia, Scientific Reports, 7, 44574, doi:10.1038/srep44574.

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steppe ecosystem. Journal of Geophysical Research: Biogeosciences, 126,
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Lehnert, L. W., Meyer, H., Wang, Y., Miehe, G., Thies, B., Reudenbach, C., and Bendix, J. (2015). Retrieval of grassland plant coverage on the Tibetan Plateau based on a multi-scale, multi-sensor and multi-method approach, Remote Sensing of Environment, 164, 197–207, doi:10.1016/j.rse.2015.04.020.

7、Supporting project information

The Strategic Priority Research Program (A) of the Chinese Academy of Sciences

8、Data resource provider

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