A Big Earth Data Platform for Three Poles

**The total solar radiation and the total radiation of absorption and scattering material attenuation v1.0（2018）**

1、Description

The total solar radiation and the total radiation of absorption and scattering material attenuation are measured by the international general solar radiation meter (li200sz, li-cor, Inc., USA). The measured data are total solar radiation, including direct and diffuse solar radiation, with a wavelength range of 400-1100nm. The unit of measurement is w / m2, and the typical error is ± 3% (incidence angle is within 60 °) under natural lighting. The data of sodankyl ä station in the Arctic comes from cooperation with the site and website download. The coverage time of sodankyl ä station in the Arctic is updated to 2018.

2、Keywords

Theme：Radiation,Sunshine,Aerosol  
Discipline：Atmosphere  
Places：Arctic  
Time：2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：10.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：67.37 | - |
| west：26.65 | - | east：26.65 |
| - | south：26.0 | - |

5、Time frame:2018-01-09 00:00:00+00:00--2019-01-08 00:00:00+00:00

6、Reference method

References to data:

BAI Jianhui. The total solar radiation and the total radiation of absorption and scattering material attenuation v1.0（2018）. A Big Earth Data Platform for Three Poles, 2019

References to articles:

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）

8、Data resource provider

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