A Big Earth Data Platform for Three Poles

**Aerosol scattering coefficient data set of Shiquanhe station in Ali area (2019)**

1、Description

The data set contains the scattering coefficients of PM2.5 (particles less than 2.5 μ m) at 450nm, 550nm and 700nm at Shiquanhe national climate station (32 ° 30'n, 80 ° 05'e, altitude 4278.6 m). The measuring instrument is tsi-3563 integral turbidimeter, the observation period is from July 8, 2019 to August 2, 2019, and the time resolution is 10 seconds. It can be used to study the dependence of PM2.5 scattering coefficient on the wavelength of incident light, which can reflect the particle size distribution of PM2.5.

2、Keywords

Theme：Aerosol radiance,Aerosol  
Discipline：Atmosphere  
Places：the Qinghai-Tibet Pleatu  
Time：2019

3、Data details

1.Scale：None

2.Projection：

3.Filesize：13.6MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.17 | - |
| west：79.07 | - | east：81.1 |
| - | south：30.58 | - |

5、Time frame:2019-08-19 08:00:00+00:00--2019-09-12 08:00:00+00:00

6、Reference method

References to data:

SHI Jinsen, ZHANG Lei, HUANG Jianping, TIAN Pengfei. Aerosol scattering coefficient data set of Shiquanhe station in Ali area (2019). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2709452020

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: HUANG Jianping  
unit:   
email: hjp@lzu.edu.cn  
  
name: TIAN Pengfei  
unit:   
email: tianpf@lzu.edu.cn  
  
name: SHI Jinsen  
unit:   
email: shijs@lzu.edu.cn  
  
name: ZHANG Lei  
unit:   
email: zhanglei@lzu.edu.cn