A Big Earth Data Platform for Three Poles

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

1、Description

The data set contains the scattering and absorption coefficients of PM2.5 (particles with particle size less than 2.5 μ m) in the atmosphere of Shiquanhe national reference climate station (32 ° 30'n, 80 ° 05'e, altitude 4278.6 m) in Ali Region. The measurement instrument is photoacoustic extinctiomer (pax), the observation period is from July 13, 2019 to August 2, 2019, and the time resolution is 1 minute. The data set can be used to study the scattering and absorption characteristics of PM2.5 over the Tibetan Plateau.

2、Keywords

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

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.64MB

4.Data format：None

4、Space scope

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

5、Time frame:2019-08-24 08:00:00+00:00--2019-09-13 08:00:00+00:00

6、Reference method

References to data:

SHI Jinsen, ZHANG Lei, HUANG Jianping, TIAN Pengfei. Aerosol scattering and absorption coefficient data set of Shiquanhe station in Ali area (2019). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2709442020

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