A Big Earth Data Platform for Three Poles

**WATER: Dateset of sun photometer observations in the Biandukou foci experimental area on Mar, 2008**

1、Description

The dateset of sun photometer observations was obtained in the Biandukou foci experimental area from Mar. 7 to 17, 2008, simultaneous with MODIS and TM. Those provide reliable data for atmosphere correction of the same period in this area.  
 Atmospheric parameters were measured by CE318. The optical depth in 1020nm, 936nm, 870nm, 670nm and 440nm were all acquired. Column water vapor can also be retrieved according to data in 936 nm.   
 The dataset archived in txt files includes processed data on Mar. 7, 14 and 17 respectively.

2、Keywords

Theme：Aerosol,Remote Sensing Technology,Aerosol optical depth/Thickness,Aerosol backscatter,Solar spectrophotometer,Atmospheric Water Vapor  
Discipline：Atmosphere,Remote Sensing Technology  
Places：Heihe River Basin, the cold region hydrology experimental area in the upper reaches, closed observation area of Biandoukou  
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.18MB

4.Data format：txt

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.312 | - |
| west：100.881 | - | east：101.036 |
| - | south：38.192 | - |

5、Time frame:2008-03-19 16:00:00+00:00--2008-03-29 16:00:00+00:00

6、Reference method

References to data:

WATER: Dateset of sun photometer observations in the Biandukou foci experimental area on Mar, 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0033.db2013

References to articles:

7、Supporting project information

The CAS (Chinese Academy of Sciences) Action Plan for West Development Project  
National Program on Key Basic Research Project (973 Program

8、Data resource provider