A Big Earth Data Platform for Three Poles

**WATER: Dataset of fresh snow properties observations at the temporary sampling plot in Qilian, in the Binggou watershed foci experimental area on Mar. 20, 2008**

1、Description

The dataset of fresh snow properties observations was obtained at the temporary sampling plot in the Qilian county on Mar. 20, 2008. Those provide reliable data for retrieval of snow parameters from remote sensing approaches.  
 Observation items included:  
 (1) Snow parameters such as snow depth, snow grain size by the handheld microscope, and snow density by the snow shovel  
 (2) Fresh snow albedo by the total radiometer  
(3) Fresh snow spectrum by ASD  
 Two files including raw data and preprocessed data were archived.

2、Keywords

Theme：Spectral characteristics of Snow,Albedo,Snow depth,Terrain spectrometer,Snow,Snow particle size,Snow density,Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface,Cryosphere  
Places：Heihe River Basin, the cold region hydrology experimental area in the upper reaches, ice-channel watershed encryption observation area,   
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：57.9MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.18839 | - |
| west：100.096381 | - | east：100.286566 |
| - | south：38.01113 | - |

5、Time frame:2008-04-12 00:00:00+00:00--2008-04-12 00:00:00+00:00

6、Reference method

References to data:

ZHU Shijie, ZHANG Pu, LIU Yan, XU Zhen, GE Chunmei. WATER: Dataset of fresh snow properties observations at the temporary sampling plot in Qilian, in the Binggou watershed foci experimental area on Mar. 20, 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0088.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

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