A Big Earth Data Platform for Three Poles

**WATER: Dataset of snow spectral reflectance observations in the Binggou watershed foci experimental area on Mar. 23, 2008**

1、Description

The dataset of snow spectral reflectance observations was obtained in the Binggou watershed foci experimental area on Mar. 23, 2008. Flat open space was chosen for the observations and observation items included:  
 (1) Multi-angle snow spectrum by the observation platform made by BNU for snow bidirectional reflectance properties from 10:50-13:50 BJT;  
 (2) Snow albedo by the total radiometer for its relationship with the solar altitude from 10:00-14:36 BJT;  
 (3) The snow spectrum by the portable ASD (Xinjiang Meteorological Administration).  
 Two files including raw data and the preprocessed data were archived.

2、Keywords

Theme：Spectral characteristics of Snow,Albedo,Snow  
Discipline：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：41.5MB

4.Data format：EXCEL

4、Space scope

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

5、Time frame:2008-09-29 08:00:00+00:00--2008-09-29 08:00:00+00:00

6、Reference method

References to data:

REN Jie, ZHU Shijie, MA Zhongguo. WATER: Dataset of snow spectral reflectance observations in the Binggou watershed foci experimental area on Mar. 23, 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0094.db2014

References to articles:

郝晓华, 王建, 车涛, 张璞, 梁继, 李弘毅, 李哲, 白云洁, 白艳芬. 祁连山区冰沟流域积雪分布特征及其属性观测分析. 冰川冻土, 2009, 31(2): 284-292.

7、Supporting project information

8、Data resource provider

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