A Big Earth Data Platform for Three Poles

**WATER: Dataset of albedo observations in the Linze grassland foci experimental area form May to July , 2008**

1、Description

The dataset of albedo observations was obtained in the Linze grassland foci experimental area. Measurements were carried out by using the shortwave radiometer (the upward radiometer: 071392; the downward radiometer: 071389) in the reed plot A, the saline plots B and C, the alfalfa plot D, the barley plot E and the temporary cement floor. Manual work was applied before Jun. 6, 2008 with the probe 1.3m-1.46m high and automatic observations hereafter with the probe 1.20m or 1.30m.
 Observation site cover type observation date
 Plot E barley May 25, 2008
 Plot D alfalfa May 26, 2008
 Plot D alfalfa May 27, 2008
 Plot E cumin May 28, 2008
 Plot E cumin May 30, 2008
 Plot A reed Jun. 1, 2008
 Plot B saline Jun. 2, 2008
 Plot A reed Jun. 3, 2008
 Temporary cement floor Jun. 4, 2008
 Vicinity of plot E Jun. 6, 2008
 Plot A reed Jun. 20, 2008
 Plot A reed Jun. 22, 2008
 Plot D alfalfa Jun. 23, 2008
 Plot E barley Jun. 24, 2008
 Plot E barley Jul. 11, 2008
 Self-recording observations included:
 TIMESTAMP: observation time
 SOLAR\_UP\_AVG: downward shortwave radiation
 SOLAR\_DOWN\_AVG: upward shortwave radiation
 SOLAR\_NET\_AVG: net radiation = SOLAR\_UP\_AVG - SOLAR\_DOWN\_AVG
 albedo\_Avg: albedo = SOLAR\_DOWN\_AVG / SOLAR\_UP\_AVG
 batt\_volt\_Min: voltage
 ptemp: CR1000 temperature
 Data were archived in Excel file. See WATER: Dataset of setting of the sampling plots and stripes in the foci experimental area of Linze station for more information.

2、Keywords

Theme：Earth SurFace Processes,Albedo
Discipline：Terrestrial Surface
Places：Heihe River Basin, Arid Region Hydrology in the Middle Reaches,
Time：2008-05-25, 2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：70.4MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.268 | - |
| west：100.037 | - | east：100.095 |
| - | south：39.225 | - |

5、Time frame:2008-06-05 16:00:00+00:00--2008-07-22 16:00:00+00:00

6、Reference method

References to data:

WU Yueru, GE Chunmei. WATER: Dataset of albedo observations in the Linze grassland foci experimental area form May to July , 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0076.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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