A Big Earth Data Platform for Three Poles

**WATER: Dataset of CMA operational meteorological stations observations in the Heihe River Basin**

1、Description

The dataset of CMA operational meteorological stations observations in the Heihe river basin were provided by Gansu Meteorological Administration and Qinghai Meteorological Administration. It included:  
 (1) Diurnal precipitation, sunshine, evaporation, the wind speed, the air temperature and air humidity (2, 8, 14 and 20 o'clock) in Mazongshan, Yumen touwnship, Dingxin, Jinta, Jiuquan, Gaotai, Linze, Sunan, Zhangye, Mingle, Shandan and Yongchang in Gansu province  
 (2) the wind direction and speed, the temperature and the dew-point spread (8 and 20 o'clock; 850, 700, 600, 500, 400, 300, 250, 200, 150, 100 and 50hpa) in Jiuquan, Zhangye and Mingqin in Gansu province and Golmud, Doulan and Xining in Qinghai province  
 (3) the surface temperature, the dew point, the air pressure, the voltage transformation (3 hours and 24 hours), the weather phenomena (the present and the past), variable temperatures, visibility, cloudage, the wind direction and speed, precipitation within six hours and unusual weather in Jiuquan, Sunan, Jinta, Dingxin, Mingle, Zhangye, Gaotai, Shandan, Linze, Yongchang and Mingqin in Gansu province and Tuole, Yeniugao, Qilian, Menyuan, Xining, Gangcha and Huangyuan in Qinhai province.

2、Keywords

Theme：Precipitation,Temperature,Sunshine,Winds,Evaporation,Wind direction,Humidity/Dryness,Air temperature,wind speed,Atmospheric Water Vapor  
Discipline：Atmosphere  
Places：Heihe River Basin, Linze, Mazongshan, Jiuquan,   
Time：2009, 2008

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：32.1MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.68 | - |
| west：97.4 | - | east：102.13 |
| - | south：37.87 | - |

5、Time frame:2008-01-14 01:44:00+00:00--2010-01-13 01:44:00+00:00

6、Reference method

References to data:

Qinghai Meteorological Bureau. WATER: Dataset of CMA operational meteorological stations observations in the Heihe River Basin. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0155.db2012

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

name: Qinghai Meteorological Bureau  
unit: Qinghai Meteorological Bureau  
email: NONE