A Big Earth Data Platform for Three Poles

**Temperature-humidity index (THI) grid products of Qinghai Tibet Plateau (1km, 2017)**

1、Description

The temperature humidity index (THI) was proposed by J.E. Oliver in 1973. Its physical meaning is the temperature after humidity correction. It considers the comprehensive impact of temperature and relative humidity on human comfort. It is an important index to measure regional climate comfort. On the basis of referring to the existing classification standards of physiological and climatic evaluation indexes, combined with the natural and geographical characteristics of the Qinghai Tibet Plateau and facing the needs of human settlements suitability evaluation in the Qinghai Tibet Plateau, the temperature and humidity index and its suitability zoning results of the Qinghai Tibet Plateau (more than 3000 meters) are developed (including unsuitable, critical suitable, general suitable, relatively suitable and highly suitable).

2、Keywords

Theme：Climatic Resources,Population,Environment Pollution and Control
Discipline：Human-nature Relationship
Places：Qinghai-Tibet Plateau
Time：2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：40.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.46 | - |
| west：73.18 | - | east：104.46 |
| - | south：26.0 | - |

5、Time frame:2016-12-31 16:00:00+00:00--2017-12-30 16:00:00+00:00

6、Reference method

References to data:

LI Peng, LIN Yumei. Temperature-humidity index (THI) grid products of Qinghai Tibet Plateau (1km, 2017). A Big Earth Data Platform for Three Poles, doi:10.11888/Socioeco.tpdc.2717452021

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program
Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: LI Peng
unit:
email: lip@igsnrr.ac.cn

name: LIN Yumei
unit:
email: linym.12s@igsnrr.ac.cn