时空三极环境大数据平台

**中国地区AMSR-E亮温数据集**

英文标题：AMSR-E/aqua daily gridded brightness temperatures of China

1、摘要

本数据集包括中国地区2002-2008年，经纬度投影，0.25度分辨率的被动微波遥感亮度温度数据。  
1、数据处理过程:  
NSIDC produces AMSR-E gridded brightness temperature data by interpolating AMSR-E data (6.9 GHz, 10.7 GHz, 18.7 GHz, 23.8 GHz, 36.5 GHz, and 89.0 GHz) to the output grids from swath space using an Inverse Distance Squared (ID2) method。  
2、数据格式：  
Brightness temperature files: two-byte unsigned integers, little-endian byte order  
Time files: two-byte signed integers, little-endian byte order   
3、数据命名:  
ID2rx-AMSRE-aayyyydddp.vnn.ccc(China-ID2r1-AMSRE-D.252002170A.v03.06V）  
ID2 Inverse Distance Squared   
r1 Resolution 1 swath input data  
AMSRE Identifies this an AMSR-E file   
D.25 Identifies this as a quarter degree file   
yyyy Four-digit year   
ddd Three-digit day of year   
p Pass direction (A = ascending, D = descending)   
vnn Gridded data version number (for example, v01, v02, v03)   
ccc AMSR-E channel indicator: numeric frequency (06, 10, 18, 23, 36, or 89) followed by polarization (H or V)  
4、切割范围：  
Corner Coordinates:  
Upper Left ( 60.0000000, 55.0000000) ( 60d 0'0.00"E, 55d 0'0.00"N)  
Lower Left ( 60.0000000, 15.0000000) ( 60d 0'0.00"E, 15d 0'0.00"N)  
Upper Right ( 140.0000000, 55.0000000) (140d 0'0.00"E, 55d 0'0.00"N)  
Lower Right ( 140.0000000, 15.0000000) (140d 0'0.00"E, 15d 0'0.00"N)  
Center ( 100.0000000, 35.0000000) (100d 0'0.00"E, 35d 0'0.00"N)  
Origin = (60.000000000000000,55.000000000000000)  
5、数据投影:  
GEOGCS["WGS 84",  
 DATUM["WGS\_1984",  
 SPHEROID["WGS 84",6378137,298.257223563,  
 AUTHORITY["EPSG","7030"]],  
 TOWGS84[0,0,0,0,0,0,0],  
 AUTHORITY["EPSG","6326"]],  
 PRIMEM["Greenwich",0,  
 AUTHORITY["EPSG","8901"]],  
 UNIT["degree",0.0174532925199433,  
 AUTHORITY["EPSG","9108"]],  
 AUTHORITY["EPSG","4326"]]

2、关键词

主题关键词：大气遥感,地表温度  
学科关键词：大气,其他  
地点关键词：中国  
时间关键词：2002-2008

3、数据细节

1.比例尺：None

2.投影：None

3.文件大小：6550.0MB

4.数据格式：栅格

4、空间范围

|  |  |  |
| --- | --- | --- |
| - | 北：53.9 | - |
| 西：73.2 | - | 东：135.5 |
| - | 南：17.8 | - |

5、时间范围2002-01-11 09:24:00+00:00--2009-01-04 17:00:00+00:00

6、引用方式

数据的引用:

Mary Jo Brodzik, Matthew Savoie, Richard Armstrong, Ken Knowles. 中国地区AMSR-E亮温数据集. 时空三极环境大数据平台, 2012.[Richard Armstrong, Matthew Savoie, Ken Knowles, Mary Jo Brodzik. AMSR-E/aqua daily gridded brightness temperatures of China. A Big Earth Data Platform for Three Poles, 2012]

文章的引用:

Knowles, K. W., M. H. Savoie, R. L. Armstrong, and M. J. Brodzik. 2006, updated current year. AMSR-E/Aqua Daily EASE-Grid Brightness Temperatures, [list dates of data used]. Boulder, Colorado USA: National Snow and Ice Data Center. Digital media.

7、资助项目信息

8、数据资源提供者

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