DIAS_Satellite_AMSR2_TB dataset

1. IDENTIFICATION INFORMATION

Name	DIAS_Satellite_AMSR2_TB dataset
DOI	doi:10.20783/DIAS.279 [https://doi.org/10.20783/DIAS.279]
Metadata Identifier	DIAS_Satellite_AMSR2_TB20230727074535-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

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2.2 CONTACT on PROJECT

2.2.1 Data Integration and Analysis System

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

publication : 2016-03-11

7. DATASET OVERVIEW

7.1 Abstract

■Satellite/Sensor

The Advanced Microwave Scanning Radiometer 2 (AMSR2) onboard the GCOM-W satellite is a remote sensing instrument for measuring weak microwave emission from the surface and the atmosphere of the Earth. From about 700 km above the Earth, AMSR2 will provide us highly accurate measurements of the intensity of microwave emission and scattering.

The antenna of AMSR2 rotates once per 1.5 seconds and obtains data over a 1450 km swath. This conical scan mechanism enables AMSR2 to acquire a set of daytime and nighttime data with more than 99% coverage of the Earth every 2 days.

■Product level

Gridded Level1B

■Resolution

0.5deg

■Product Area

[Asia]

Country/Authority,UL_LAT,UL_LON,LR_LAT,LR_LON

Bangladesh,21,88,27,93

Bhutan,26.5,88.5,28.5,92.5

Cambodia,10.25,102,14.75,107.75

India,15.5,72.5,22.5,81

Indonesia,-8,105.5,-5.75,109

Japan,35.5,138.25,37.25,141

Korea,34,125.5,38.5,129.75

Lao_PDR,14,103,19.5,108

Malaysia,-1.5,100.25,6.5,104

Mongolia,45,101,50.5,113

Myanmar,16,92,28.5,100

Nepal,26.25,80,30.5,88.25

Pakistan,29,69,37,76

Philippines,13.5,119.5,18.75,122.75

Sri_Lanka,5.75,79.5,10,82

Thailand,15.5,97.25,20.5,100

Uzbekistan,39,66,42.5,73.5

Vietnam,19,102,23.5,108

[Africa]

Countory/Authority,LL_LAT,LL_LON,UR_LAT,UR_LON

Niger Authority,21,-12,4,17

Volta Authority,15.5,-6,5,3

Tunisia,37.5,7,30,12

Kenya,5,33,-5,42

Lake Chad Basin commision,18,10,9,19

Morocco,36,-12,27,0

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	2015-01-01
End Date	2015-12-31
Temporal Characteristics	others

7.4 Geographic Bounding Box

North bound latitude	90
West bound longitude	-180
Eastbound longitude	180
South bound latitude	-90

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit

column	243	0.05 (deg)
column	2041	0.05 (deg)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Spectral/Engineering > Microwave > Brightness Temperature	GCMD_science

7.7.2 Keywords on Project

7.7.2.1 Data Integration and Analysis System

Keyword Type	Keyword	Keyword thesaurus Name
theme	DIAS > Data Integration and Analysis System	No_Dictionary

7.8 Online Resource

JAXA/EORC GCOM-W Web Page : http://suzaku.eorc.jaxa.jp/GCOM_W/index.html

File download from the DIAS : https://data.diasjp.net/dl/storages/filelist/dataset:279

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

10.2 Data Policy by the Project

10.2.1 Data Integration and Analysis System

If data provider does not have data policy, DIAS Terms of Service (https://diasjp.net/en/terms/) and DIAS Privacy Policy (https://diasjp.net/en/privacy/) apply.

If there is a conflict between DIAS Terms of Service and data provider's policy, the data provider's policy shall prevail.

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

12.2 Acknowledge the Project

12.2.1 Data Integration and Analysis System

If you plan to use this dataset for a conference presentation, paper, journal article, or report etc., please include acknowledgments referred to following examples. If the data provider describes examples of acknowledgments, include them as well.

"In this study, [Name of Dataset] provided by [Name of Data Provider] was utilized. This dataset was also collected and provided under the Data Integration and Analysis System (DIAS), which was developed and operated by a project supported by the Ministry of Education, Culture, Sports, Science and Technology."

13. REFERENCES