



# CEOP Satellite Datasets ( TRMM > TMI > 1BBRTE )

## 1. IDENTIFICATION INFORMATION

Name	CEOP Satellite Datasets ( TRMM > TMI > 1BBRTE )
Edition	1.0
Abbreviation	Coordinated Energy and Water-Cycle Observation Project Satellite Datasets ( TRMM > TMI > 1BBRTE )
DOI	doi:10.20783/DIAS.43 [ <a href="http://doi.org/10.20783/DIAS.43">http://doi.org/10.20783/DIAS.43</a> ]
Metadata Identifier	CEOP_Satellite_TRMM_TMI_1BBRTE20190315175131-DIAS20180903143952-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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## 4. DATASET CREATOR

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## 5. DATE OF THIS DOCUMENT

2019-03-15

## 6. DATE OF DATASET

creation : 2010-03-15

## 7. DATASET OVERVIEW

### 7.1 Abstract

Three scale-types of datasets observed by new generation of remote sensing satellites (including TERRA, AQUA, ADEOS-II) in addition to TRMM and DMSP series, which were providing enhancement of observing capabilities to quantify critical atmospheric, surface, hydrologic and oceanographic data during CEOP time periods are available. 250 km square snapshots of the highest resolution raw radiances (with geographic location, i.e. level 1) remote sensing data at the 35-51 in situ reference sites are archived.

#### ■Mission

TRMM

Tropical Rainfall Measuring Mission

##### • Applications

3-year nominal mission life, currently in extended operations. Atmospheric dynamics/water and energy cycles

#### ■Instrument

TRMM Microwave Imager

##### • Instrument Type

Imaging multi-spectral radiometers (passive microwave)

##### • Measurements &&&&&& Applications

Measures rainfall rates over oceans (less reliable over land), combined rainfall structure and surface rainfall rates with associated latent heating. Used to produce monthly total rainfall maps over oceans

#### ■Instrument Measurements

##### • Product Level

L1B

##### • Product Code

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1BBRTE

• Description

Brightness temperature

## 7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

## 7.3 Temporal Extent

Begin Date	2002-10-01
End Date	2009-12-31

## 7.4 Geographic Bounding Box

North latitude	bound	40
West longitude	bound	-180
Eastbound longitude		180
South latitude	bound	-40

## 7.5 Grid

## 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

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CEOP : <http://www.ceop.net/>

CEOP Model Output Archive : <http://www.eol.ucar.edu/projects/ceop/dm/model/>

CEOP Model Output Data Gateway : <http://ceop.wdc-climate.de>

CEOP Data Management : <http://www.eol.ucar.edu/projects/ceop/dm/>

CEOP Model Data Gateway : <http://www.mad.zmaw.de/projects-at-md/ceop/>

CEOP Model Center Documentation Table : [http://www.eol.ucar.edu/projects/ceop/dm/model/model\\_table.html](http://www.eol.ucar.edu/projects/ceop/dm/model/model_table.html)

Multi-model Analysis for CEOP : <http://gmao.gsfc.nasa.gov/research/modeling/validation/ceop.php>

MODIS : <http://modis.gsfc.nasa.gov/>

AMSR-E : <http://sharaku.eorc.jaxa.jp/AMSR/index.html>

SSM/I : <http://ghrc.nsstc.nasa.gov/>

PR, TMI : <http://trmm.gsfc.nasa.gov/>

AVNIR2, PALSAR, PRISM : <http://www.eorc.jaxa.jp/ALOS/en/index.htm>

JAXA : <http://www.satnavi.jaxa.jp/project/trmm/index.html>

From CEOS Mission, Instruments, Measurement Database : <http://database.eohandbook.com/>

Mim Wiki (Shibasaki Group) : <http://dias.csis.u-tokyo.ac.jp/dict/mim/index.php/TRMM>

Mim Wiki (Shibasaki Group) : <http://dias.csis.u-tokyo.ac.jp/dict/mim/index.php/TMI>

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:43>

## 7.9 Data Environmental Information

## 7.10 Distribution Information

name	version	specification
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## 8. DATA PROCESSING

## 9. DATA REMARKS

## 10. USE CONSTRAINTS

### 10.1 Data Policy by Data Provider

1. No financial implications are involved for the CEOP satellite data exchange.
2. Commercial use and exploitation of CEOP satellite data is prohibited.
3. Any re-export or transfer of the original data received from the CEOP satellite data archive to a third party is prohibited.

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4. The origin of CEOP satellite data being used for publication of scientific results must be acknowledged and referenced in the publication. Whenever CEOP satellite data distributed by the CEOP satellite data archive are being used for publication of scientific results, the data's origin must be acknowledged as: ""The satellite data is provided under the framework of the Coordinated Enhanced Observing Period (CEOP)."" for the Coordinated Enhanced Observing Period data (2001 - 2004), and as: ""The satellite data is provided under the framework of the Coordinated Energy and Water Cycle Observations Project (CEOP)."" for the Coordinated Energy and Water Cycle Observations Project data (2005 ~).

5. Whenever CEOP satellite data distributed by the CEOP satellite data archive are being used for publication of scientific results, the author(s) shall send a copy of the respective publication, preferably in electronic form, to the CEOP satellite data archive (ceop@monsoon.t.u-tokyo.ac.jp) in order to build up a CEOP publication library

Complete version of the CEOP Satellite Data Policy is <http://monsoon.t.u-tokyo.ac.jp/ceop2/satellite/guideline-info.html>."

A minimum requirement is to reference CEOP as:

"The satellite data is provided under the framework of the Coordinated Energy and Water Cycle Observations Project (CEOP)."

for the Coordinated Energy and Water Cycle Observations Project data (2005),

and as:

"The satellite data is provided under the framework of the Coordinated Enhanced Observing Period (CEOP)."

for the Coordinated Enhanced Observing Period data (2001 - 2004).

## 10.2 Data Policy for Project

### 10.2.1 Data Integration and Analysis System

The terms of data use of data providers take first priority over the DIAS data usage policy. In the event a data provider has not established terms of use, the following DIAS project data terms of use apply.

1. Users shall prioritize and abide by terms of use stipulated by a data provider in the event such exist
2. The use of DIAS data sets is limited to research and educational purposes [\*1]
3. Users shall not modify the content of DIAS data sets
4. Users shall not provide the content of DIAS data sets to third parties
5. In the event of using DIAS data sets in an academic presentation, paper, article, or report, etc., users shall cite in parenthesis the text given as the data citation
6. In the event of using DIAS data sets in an academic presentation, paper, article, or report, etc., users shall submit a copy of the work (an offprint in the case of a paper, or a copy of the lecture summary in the case of an oral or poster presentation) to the DIAS office below

[\*1] Data sets whose commercial usage are allowed under the data policy by data provider will be also allowed to be used commercially as DIAS data sets, after ongoing preparation works have been completed. Please contact the DIAS Office for more details.

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[DIAS Office]

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## 10.3 Disclaimer for Project

### 10.3.1 Data Integration and Analysis System

1. DIAS data provider is not liable for any losses or any damage when DIAS data sets are used.
2. DIAS data and related information are subject to change without any prior notice.
3. DIAS data sets provided are not supported for any additional processing or analysis.

## 11 ACKNOWLEDGEMENT

### 11.1 Dataset Acknowledgement

### 11.2 Project Acknowledgement

#### 11.2.1 Data Integration and Analysis System

Whenever DIAS dataset is used for any academic presentations, and any publication of scientific results, the author(s) shall specify the following acknowledgement and if the data provider has their own acknowledgement quotation, the author(s) shall use both acknowledgements.

”The DIAS dataset is archived and provided under the framework of the Data Integration and Analysis System (DIAS) funded by Ministry of Education, Culture, Sports, Science and Technology (MEXT).”

## 12. REFERENCES

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