



# CEOP Satellite Datasets ( Terra/Aqua > MODIS > L1B Calibrated Radiance-250m)

## 1. IDENTIFICATION INFORMATION

|                     |  |
|---------------------|--|
| Name                | CEOP Satellite Datasets ( Terra/Aqua > MODIS > L1B Calibrated Radiance-250m)                             |
| Edition             | 1.0  |
| Abbreviation        | Coordinated Energy and Water-Cycle Observation Project Satellite Datasets ( Terra> MODIS > MO(Y)D02QKM ) |
| DOI                 | doi:10.20783/DIAS.164 [http://dx.doi.org/10.20783/DIAS.164]  |
| Metadata Identifier | CEOP_Satellite_Terra_Aqua_MODIS_M02QKM20200901170441-DIAS20200901154929-en                               |

## 2. CONTACT

### 2.1 CONTACT on DATASET

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### 2.2 CONTACT on PROJECT

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## 4. DATASET CREATOR

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## 5. DATE OF THIS DOCUMENT

2020-09-01

## 6. DATE OF DATASET

creation : 2010-09-28

## 7. DATASET OVERVIEW

### 7.1 Abstract

The CEOP satellite datasets are geo-coded data resampled to regular latitude longitude grid on three type scales: reference site scale, monsoon scale, and global scale. It is easy to compare satellite data with in-situ measurement and or model output. Also, the satellite datasets include radiance data and geo-physical parameter such as soil moisture, vegetation index, water vapor, precipitation, sea surface temperature and so on, which are retrieved from data of MODIS, AMSR-E, SSM/I, PR, TMI, AVNIR2, PALSAR and PRISM.

The CEOP-MODIS datasets are generated on 35 reference sites, 5 monsoon regions and global during EOP-3 date period.

Enhanced Observing Period EOP-3: 01/10/2002 - 30/09/2003

EOP-4: 01/10/2003 - 31/12/2004

Reference Site Locations

[http://www.eol.ucar.edu/projects/ceop/dm/documents/ref\\_site.html](http://www.eol.ucar.edu/projects/ceop/dm/documents/ref_site.html)

Definition of Monsoon Regions

Asia EQ-50N 60E-160E

North American EQ-35N 120W-60W

South American EQ-35S 80W-30W

Australian EQ-25S 90E-160E

North African EQ-25N 30W-40E

Product Code

MOD02QKM for Terra/MODIS

MYD02QKM for Aqua/MODIS

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Product Name

L1B Calibrated Radiance-250m

## 7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

## 7.3 Temporal Extent

|                          |                     |
|--------------------------|---------------------|
| Begin Date               | 2003-10-01          |
| End Date                 | 2004-12-31          |
| Temporal Characteristics | instantaneous value |

## 7.4 Geographic Bounding Box

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

## 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 | 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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MODIS Web : <http://modis.gsfc.nasa.gov/>

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:164>

## 7.9 Data Environmental Information

## 7.10 Distribution Information

| name | version | specification |
|------|---------|---------------|
|------|---------|---------------|

## 8. DATA PROCESSING

## 9. DATA REMARKS

## 10. LICENSE

### 10.1 Data Policy by the 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.
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](mailto: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>

### 10.2 Data Policy by the Project

#### 10.2.1 Data Integration and Analysis System

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## 11. DATA SOURCE ACKNOWLEDGEMENT

### 11.1 Acknowledge the Data Provider

### 11.2 Acknowledge the Project

#### 11.2.1 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.

"We used the [name of dataset] provided by [name of data provider] in this study. This dataset was collected and provided under the Data Integration and Analysis System (DIAS, Project No. JPMXD0716808999), which has been developed and operated by the Ministry of Education, Culture, Sports, Science and Technology (MEXT)."

## 12. DISCLAIMER

### 12.1 Disclaimer of Project

#### 12.1.1 Data Integration and Analysis System

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## 13. REFERENCES

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