



# CEOP Satellite Datasets ( Terra/Aqua > MODIS > L1B Calibrated Radiance-1km)

## 1. IDENTIFICATION INFORMATION

Name	CEOP Satellite Datasets ( Terra/Aqua > MODIS > L1B Calibrated Radiance-1km)
Edition	1.0
Abbreviation	Coordinated Energy and Water-Cycle Observation Project Satellite Datasets ( Terra> MODIS > MO(Y)D021KM )
DOI	doi:10.20783/DIAS.162 [ <a href="https://doi.org/10.20783/DIAS.162">https://doi.org/10.20783/DIAS.162</a> ]
Metadata Identifier	CEOP_Satellite_Terra_Aqua_MODIS_M021KM20230727063335-DIAS20221121113753-en

## 2. CONTACT

### 2.1 CONTACT on DATASET

Name	JAXA DIAS representative
Organization	Japan Aerospace Exploration Agency
Address	2-1-1 Sengen, Tsukuba-shi, Ibaraki, 305-8505, Japan
TEL	+81 50 3362 3064
FAX	+81 29 868 2961
E-mail	dias at ml dot jaxa dot jp

### 2.2 CONTACT on PROJECT

#### 2.2.1 Data Integration and Analysis System

Name	DIAS Office
Organization	Japan Agency for Marine-Earth Science and Technology
Address	3173-25, Showa-Cho, Kanazawa-ku, Yokohama-shi, Kanagawa, 236-0001, Japan
E-mail	dias-office@diasjp.net

## 3. DOCUMENT AUTHOR

Name	JAXA DIAS representative
Organization	Japan Aerospace Exploration Agency
E-mail	dias at ml dot jaxa dot jp

## 4. DATASET CREATOR

Name	JAXA DIAS representative
Organization	Japan Aerospace Exploration Agency
E-mail	dias at ml dot jaxa dot jp

## 5. DATE OF THIS DOCUMENT

2023-07-27

## 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

MOD021KM for Terra/MODIS

MYD021KM for Aqua/MODIS

---

Product Name

LIB Calibrated Radiance-1km

## 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 &gt; Data Integration and Analysis System	No_Dictionary

## 7.8 Online Resource

---

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

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:161>

## 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

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

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