
 **CEOP Satellite Datasets**
(Terra/Aqua > MODIS > L2 Total
Precipitable Water Vapor)

1. IDENTIFICATION INFORMATION

| | |
|---------------------|---|
| Name | CEOP Satellite Datasets (Terra/Aqua > MODIS > L2 Total Precipitable Water Vapor) |
| Edition | 1.0 |
| Abbreviation | Coordinated Energy and Water-Cycle Observation Project Satellite Datasets (Terra> MODIS > MO(Y)D05_L2) |
| DOI | doi:10.20783/DIAS.166 [https://doi.org/10.20783/DIAS.166] |
| Metadata Identifier | CEOP_Satellite_Terra_Aqua_MODIS_M05_L220230727063610-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

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

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

MOD05_L2 for Terra/MODIS

MYD05_L2 for Aqua/MODIS

Product Name

L2 Total Precipitable Water Vapor

7.2 Topic Category(IS019139)

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 | Atmosphere > Atmospheric Water Vapor > Water Vapor | 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

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

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:166>

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) 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