



CEOP Satellite Datasets (Aqua > AMSR-E > 2SNOWW)

1. IDENTIFICATION INFORMATION

Name	CEOP Satellite Datasets (Aqua > AMSR-E > 2SNOWW)
Edition	1.0
Abbreviation	Coordinated Energy and Water-Cycle Observation Project Satellite Datasets (Aqua > AMSR-E > 2SNOWW)
DOI	doi:10.20783/DIAS.49 [http://doi.org/10.20783/DIAS.49]
Metadata Identifier	CEOP_Satellite_Aqua_AMSR_E_2SNOWW20190315181458-DIAS20180903143952-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	Remote Sensing Technology Center of Japan
Address	TOKYU REIT Toranomon Building 2F 3-17-1 Toranomon, Minato-ku, Tokyo, 105-0001, 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

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

Aqua (formerly EOS PM-1)

· Applications

6-year nominal mission life, currently in extended operations. Atmospheric dynamics/water and energy cycles, cloud formation, precipitation and radiative properties, air/sea fluxes of energy and moisture, sea ice extent and heat exchange with the atmosphere. Option of 705km or 438km orbit altitude.

■Instrument

Advanced Microwave Scanning Radiometer-EOS

· Instrument Type

Imaging multi-spectral radiometers (passive microwave)

· Measurements &&&&&&& Applications

Measurements of water vapour, cloud liquid water, precipitation, winds, sea surface temperature, sea ice concentration, snow cover and soil moisture

■Instrument Measurements

· Product Level

L2

· Product Code

2SNOWW

· Description

Snow water equivalence

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	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	Cryosphere > Snow/Ice > Snow Water Equivalent, Terrestrial Hydrosphere > Snow/Ice > Snow Water Equivalent	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

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

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/aqua/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/Aqua>

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

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:49>

7.9 Data Environmental Information

7.10 Distribution Information

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

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.

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.

[DIAS Office]

E-mail: dias-office@diasjp.net

Remote Sensing Technology Center of Japan

TOKYU REIT Toranomom Building 2F 3-17-1 Toranomom, Minato-ku, Tokyo, 105-0001

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

Copyright(c) 2006-2019 Data Integration & Analysis System (DIAS) All Rights Reserved. This project is supported by ”Data Integration & Analysis System” funded by MEXT, Japan
--