



CEOP Satellite Datasets (Aqua > AIRS > L1B AIRS infrared geolocated radiances)

1. IDENTIFICATION INFORMATION

Name	CEOP Satellite Datasets (Aqua > AIRS > L1B AIRS infrared geolocated radiances)
Edition	1.0
Abbreviation	Coordinated Energy and Water-Cycle Observation Project Satellite Datasets (Aqua> AIRS > IBAIRI)
Metadata Identifier	CEOP_Satellite_Aqua_AIRS_IBAIRI20230727075249-en

2. CONTACT

2.1 CONTACT on DATASET

Name	Kazuo Umezawa
Organization	Japan Aerospace Exploration Agency
Address	2-1-1 Sengen, Tsukuba-shi, Ibaraki, 305-8505, Japan
TEL	050-3362-2669
FAX	029-868-2961
E-mail	omezawa dot kazuo dot at jaxa dot jp

2.2 CONTACT on PROJECT

3. DOCUMENT AUTHOR

Name	Kazuo Umezawa
Organization	Japan Aerospace Exploration Agency
E-mail	omezawa dot kazuo dot at jaxa dot jp

4. DATASET CREATOR

Name	Kazuo Umezawa
Organization	Japan Aerospace Exploration Agency
E-mail	omezawa dot kazuo dot at jaxa dot jp

5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

creation : 2011-03-09

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 AIRS,MODIS, AMSR-E, SSM/I, PR, TMI, AVNIR2, PALSAR and PRISM.

The CEOP-AIRS datasets are generated on 35 reference sites and 5 monsoon regions during EOP-3,4 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

IBAIRI

Product Name

AIRS IR Geolocated Radiances in Watts/cm**2/micron/steradian

7.2 Topic Category(IS019139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	2002-10-01
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 > Infrared Wavelengths > Infrared Radiance	GCMD_science

7.7.2 Keywords on Project

7.8 Online Resource

AIRS Web : <http://disc.sci.gsfc.nasa.gov/AIRS>

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

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

12.2 Acknowledge the Project

13. REFERENCES