



CEOP Tsukuba Reference Site

1. IDENTIFICATION INFORMATION

Name	CEOP Tsukuba Reference Site
Metadata Identifier	CEOP_Tsukuba20230727064433-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

Name	DIAS Office
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Organization	Japan Agency for Marine-Earth Science and Technology
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4. DATASET CREATOR

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

creation : 2009-05-14

revision : 2011-11-22

7. DATASET OVERVIEW

7.1 Abstract

Intensive meteorological observations have been conducted on the grounds of the Meteorological Research Institute, Tsukuba Japan, since November 2002 in order to provide long-term monitoring of the meteorological elements in the Tsukuba area. This is a typical suburban area, located on the Kanto plains. The observation field is covered by grass, which is cut several times a year.

Terrestrial Environment Research Center (TERC) started its long-term measurement of the surface heat and water balance at its surface heat and water balance field in 1981, and is continuing the observation. The field is circle in shape and has a 30-meter tower at its center. On the tower, profiles of air temperature, humidity and turbulence fluxes are measured and while, on the ground of the field, various measurements relevant to the surface heat and water budget are also being made. These include radiation components, ground water levels, soil temperature and soil heat flux. The measured data averaged over various time scale (30min., 1hour, 1day) are available on the web page (<http://www.suiri.tsukuba.ac.jp>). Some of the can be dated back to 1980' s. Among the measurements, basic meteorological and hydrological parameters are provided for CEOP2.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	2007-01-01
End Date	2010-12-31
Temporal Characteristics	Hourly

7.4 Geographic Bounding Box

North latitude	bound	36.22583
West longitude	bound	140.09000
Eastbound longitude		140.125
South latitude	bound	36.05483

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Climate, Water	GEOSS

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

: <http://www.geoenv.tsukuba.ac.jp/~ceoptsukuba/>

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:179>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
PRN	no information	CEOP Unified Format

8. DATA PROCESSING

8.1 Data Processing (1)

8.1.1 General Explanation of the data producer's knowledge about the lineage of a dataset

8.1.2 Data Source

Data Source Citation Name	Description of derived parameters and processing techniques used
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9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

1. No financial implications are involved for the CEOP reference site data exchange.
2. Commercial use and exploitation of CEOP reference site data is prohibited.
3. Any re-export or transfer of the original data received from the CDA archive to a third party is prohibited.
4. The origin of CEOP reference site data being used for publication of scientific results must be acknowledged and referenced in the publication.
5. CEOP reference site data users are strongly encouraged to establish direct contact with data providers for complete interpretation and analysis of data for publication purposes.
6. Co-authorship of data users and CEOP reference site Principle Investigators on papers making extensive use of CEOP data is justifiable and highly recommended.

see http://www.eol.ucar.edu/projects/ceop/dm/documents/ceop_policy.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

A minimum requirement is to reference CEOP as:

The in-situ 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).

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

Original data was collected and is provided within the framework of the CEOP Tsukuba Project, funded by grants-in-aid for scientific research by Japan Society for the Promotion of Science, CEOP Tsukuba DB, No. 198052.

Original data were collected in the framework of Research Project for Global Warming Monitoring by National Institute for Agro-Environmental Sciences (NIAES). The project is funded by Ministry of Agriculture, Forestry and Fisheries, Ministry of Environment and NIAES.