



CEOP CAMP Northern South China Sea – Southern Japan (NSCSSJ) Reference Site

1. IDENTIFICATION INFORMATION

Name	CEOP CAMP Northern South China Sea – Southern Japan (NSCSSJ) Reference Site
Metadata Identifier	CEOP_CAMP_NSCSSJ20230727060737-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 : 2010-05-06

7. DATASET OVERVIEW

7.1 Abstract

This data set contains the Coordinated Enhanced Observing Period (CEOP) Enhanced Observing Period 3 and 4 (EOP-3 and EOP-4) CEOP Asia-Australia Monsoon Project (CAMP) Northern South China Sea hourly Surface Data Set. This Data Set covers 25 sites: Alishan, Anpu, Chengkung, Chiayi, Chutzehu, Hengchun, Hsinchu, Hualien, Ilan, Jiyuehtan, Kaohsiung, Keelung, Lanyu, Pengchiayu, Penghu, Suao, Taichung, Tainan, Taipei, Taitung, Tanshui, Tawu, Tungchitao, Wuchi and Yushan. This dataset contains the entire EOP-3 and EOP-4 time period (i.e., 1 October 2002 through 31 December 2004).

7.2 Topic Category(IS019139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	2002-10-01 00:00:00
End Date	2004-12-31 23:59:59
Temporal Characteristics	Hourly

7.4 Geographic Bounding Box

North latitude bound	22.000000
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West longitude bound	119.560000
Eastbound longitude	122.070000
South latitude bound	25.630000

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.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Anpu
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Chengkung
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Chiayi
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Chutzehu
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Hengchun
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Hsinchu
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Hualien
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Ilan
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Jiyuehtan
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Kaohsiung
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Keelung
- : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Lanyu

: http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Pengchiayu
 : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Penghu
 : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Suao
 : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Taichung
 : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Tainan
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 : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Tawu
 : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Tungchitao
 : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Wuchi
 : http://www.eol.ucar.edu/projects/ceop/dm/insitu/sites/ceop_ap/NSCSSJ/Yushan
 file download : <https://data.diasjp.net/dl/storages/filelist/dataset:122>

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

Air pressure, Air Temperature, relative humidity, Dewpoint Temperature,

Wind speed and direction are instantaneous values.

Precipitation is accumulated on the previous minute.

And the two parameters indicated below were computed by using

"CEOP Derived Parameter Equations:

http://www.joss.ucar.edu/ghp/ceopdm/refdata_report/eqns.html" .

also put the data flag "I",

Specific Humidity were computed by using (Bolton 1980):

$$e = 6.112 * \exp((17.67 * Td) / (Td + 243.5));$$

$$q = (0.622 * e) / (p - (0.378 * e));$$

where:

e = vapor pressure in mb;

Td = dew point in deg C;

p = surface pressure in mb;

q = specific humidity in kg/kg.

U,V Components (4.6m) were computed by using (GEMPAK):

$$U = -\sin(\text{direction}) * \text{wind_speed};$$

$$V = -\cos(\text{direction}) * \text{wind_speed};$$

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 by CWB of Taiwan, funded by Ministry of Transportation and Communications of Taiwan.

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