CEOP Model Output : 3D Gridded ECPC RII36 data

1. IDENTIFICATION INFORMATION

Name	CEOP Model Output : 3D Gridded ECPC RII36 data
Abbreviation	Coordinated Energy and Water-Cycle Observation Project Model Output 3D Gridded ECPC: Experimental Climate Prediction Center RII36 data
Metadata Identifier	CEOP_Model_Grid_ECPC_RII3620221202121544-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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3. DOCUMENT AUTHOR

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4. DATASET CREATOR

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5. DATE OF THIS DOCUMENT

2022-12-02

6. DATE OF DATASET

publication : 2010-04-02

7. DATASET OVERVIEW

7.1 Abstract

Ten operational Numerical Weather Prediction (NWP) and two data assimilation centers are currently contributing analysis/assimilation and forecast model products from global and regional NWP suites, including both operational and reanalysis systems to this component of CEOP. The contributing centers include:

BoM: Bureau of Meteorology

CPTEC: Centro de Previsao de Tempo e Estudos Climaticos

ECMWF: European Centre for Medium-Range Weather Forecasts

ECPC: Experimental Climate Prediction Center

EMC: EPSON Meteo Center (Centro EPSON Meteo)

GLDAS: Global Land Data Assimilation System

GMAO: NASA Global Modeling and Assimilation Office

JMA: Japan Meteorological Agency

MSC: Meteorological Service Canada

NCEP: National Centers for Environmental Prediction

NCMRWF: National Center for Medium Range Weather Forecasting

UKMO: UK Met Office

The Max-Planck Institute for Meteorology (MPIM) in coordination with the ICSU World Data Center for Climate (WDCC) in Hamburg, Germany was designated as the CEOP model output archive center. The WDCC is administered by the Model and Data Group (M&D) at MPIM and the German Climate Computing Center (DKRZ).

To assist with the organization of this activity during the Coordinated Enhanced Observing Period ('CEOP'), a Model Output Management Document was drafted as a guide for the participating centers to use in setting up their processes for meeting their commitments to 'CEOP'. The Guidance Document addressed the two issues of (1) the model output variables requested by 'CEOP' and (2) the two types of requested model output, namely global gridded (in GRIB format) and site-specific Model Output Location Time Series (MOLTS) at each of the 'CEOP' Reference Sites.

A new version of the Guidance Document will be compiled that clarifies what model output data will be generated by the NWP Centers and Groups contributing to the model output component of Coordinated Energy and Water Cycle Observations Project (CEOP) and how they will interface/transfer the data that will be handled and retained at the WDCC. The issues covered in the document will include: (1) global versus regional products; (2) desired assimilation output; Interval and length of free-running forecasts; (3) Operational versus reanalysis data; (4) the CEOP schedule/archive periods;

(5) the number and locations of MOLTS sites; and (6) the homogenizing of the model output and metadata formats (i.e. standard parameters).

Results up to this point in the CEOP model output generation effort make it clear that the transfer aspect of the data handling effort has been progressing well. Data from all twelve Centers participating in CEOP have been received at the data archive center and has either been placed into the database at the Hamburg facility, or is in the process of being entered into the database. The current data holdings in the MPIM archive can be viewed http://www.mad.zmaw.de/fileadmin/extern/wdc/ceop/Data_timeline_L_12.pdf.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	2001-07-01
End Date	2004-12-31

7.4 Geographic Bounding Box

North bound latitude	90
West bound longitude	-180
Eastbound longitude	180
South bound latitude	-90

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Climate	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

CEOP Centralized Data Integration System : http://monsoon.t.u-tokyo.ac.jp/ceop-dc/ceop-dc_top.htm

GCMD CEOP Portal : http://gcmd.gsfc.nasa.gov/KeywordSearch/Home.do?Portal=ceop&MetadataType=0

CEOP Model Data Gateway : http://www.mad.zmaw.de/projects-at-md/ceop/

file download : https://data.diasjp.net/dl/storages/filelist/dataset:8

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
Grib	no information	

8. DATA PROCESSING

9. DATA REMARKS

Ruane, A.C., and J.O. Roads, 2007: The diurnal cycle of water and energy over the continental United States from three reanalyses. J. Meteor. Soc. Jpn. 85A, 117-143.

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

Ruane, A.C., and J.O. Roads, 2007: The diurnal cycle of water and energy over the continental United States from three reanalyses. J. Meteor. Soc. Jpn. 85A, 117-143.