CEOP Model Output : 3D Gridded JMA data

1. IDENTIFICATION INFORMATION

Name	CEOP Model Output : 3D Gridded JMA data
Abbreviation	Coordinated Energy and Water-Cycle Observation Project Model Output 3D Gridded JMA: Japan Meteorological Agency data
Metadata Identifier	CEOP_Model_Grid_JMA20190227152842-DIAS20180903143952-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
2019-02-27

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&amp;amp;amp;amp;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	01-OCT-2002
End Date	30_DEC-2004

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&amp;amp;amp;amp;amp;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:14

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
Grib	no information	

8. DATA PROCESSING

9. DATA REMARKS

Japan Meteorological Agency, 2007: Outline of the operational numerical weather prediction at the Japan Meteorological Agency. Appendix to WMO numerical weather prediction progress report. available on http://www.jma.go.jp/jma/jma-eng/jma-center/nwp/outline-nwp/index.htm

10. USE CONSTRAINTS

10.1 Data Policy by Data Provider

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.

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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

Japan Meteorological Agency, 2007: Outline of the operational numerical weather prediction at the Japan Meteorological Agency. Appendix to WMO numerical weather prediction progress report. available on http://www.jma.go.jp/jma/jma-eng/jma-center/nwp/outline-nwp/index.htm