



RR2002, Kyousei 1

1. IDENTIFICATION INFORMATION

Name	RR2002, Kyousei 1
Abbreviation	"K-1" as an alternative title for "RR2002 Kyousei 1"
Metadata Identifier	K120230727062203-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

publication : 2004-09-07

7. DATASET OVERVIEW

7.1 Abstract

Center for Climate System research, the University of Tokyo (CCSR), National Institute for Environmental Studies (NIES) and Frontier Research Center for Global Change (FRCGC) practiced global warming projection experiments from year 1900 up to 2100 using the Earth Simulator. The model used in this project is "MIROC3.2" which is a high-resolution atmosphere-ocean general circulation model (AOGCM) developed by CCSR, NIES and FRCGC. This result contributed to the Fourth Assessment Report (AR4) of the Intergovernmental Panel on Climate Change (IPCC).

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1900/01/01
End Date	2100/12/31
Temporal Characteristics	3hourly, 6hourly, daily, monthly

7.4 Geographic Bounding Box

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

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	320	1.125 (deg)
column	160	(Gaussian grid)
vertical	23	(p-level)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	GLOBAL CHANGE > Global climate models	AGU

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

RR2002, Kyousei 1 website : <http://www.ccsr.u-tokyo.ac.jp/kyosei/RENJYU/>

WCRP CMIP3 Multi-Model Dataset Archive at PCMDI : http://www-pcmdi.llnl.gov/ipcc/about_ipcc.php

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:144>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
GT00L	3	see http://www.gfd-dennou.org/library/gtool4/index.htm .en

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

The result is distributed only in GTOOL3 format.

10. DATA POLICY

10.1 Data Policy by the Data Provider

RR2002 data set is to be used only for scientific research or educational purposes. Commercial use and exploitation of RR2002 data set is prohibited.

Any Re-export or transfer of the original data set to a third party is prohibited.

Any modification or change of the original RR2002 data set is prohibited.

Whenever RR2002 data set is used for any academic presentations, and any publication of scientific results, the author(s) shall specify that RR2002 data set is provided by Center for Climate System research, the University of Tokyo (CCSR), National Institute for Environmental Studies (NIES), Frontier Research Center for Global Change (GRCGC) and Ministry of Education, Culture, Sports, Science and Technology of Japan as a result of a Kyousei 1 subject of the RR2002 project.

Whenever RR2002 data sets are used for publication of scientific results, the author(s) shall report it to the distributor.

RR2002 data provider is not liable for any losses or any damage when RR2002 data sets are used.

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

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

IPCC, 2007: "Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change". Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.). Cambridge University Press, 996 pp.

K-1 model developers 2004: K-1 coupled model (MIROC) description, K-1 technical report, 1, H. Hasumi and S. Emori (eds.), Center for Climate System Research, University of Tokyo, 34pp.