Integrated Research Program for Advancing Climate Models (TOUGOU Program) CMIP6 simulation data by Global Climate Model MIROC6: LS3MIP

1. IDENTIFICATION INFORMATION

Name	Integrated Research Program for Advancing Climate Models (TOUGOU Program) CMIP6 simulation data by Global Climate Model MIROC6: LS3MIP
Abbreviation	CMIP6.LS3MIP.MIROC.MIROC6
DOI	doi:10.22033/ESGF/CMIP6.887 [https://doi.org/10.22033/ESGF/CMIP6.887]
Metadata Identifier	CMIP6_MIROC6_LS3MIP20230727095243-en

2. CONTACT

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

revision : 2020-07-29

7. DATASET OVERVIEW

7.1 Abstract

"Integrated Research Program for Advancing Climate Models" ("TOUGOU Program") is a five-year project being implemented by the Ministry of Education, Culture, Sports, Science and Technology ("MEXT") from FY2017 to FY2021 with the primary objective of elucidating the mechanisms of climate change and generating information on climate change projections through the development of climate models that will form the basis for all climate change countermeasures.

The TOUGOU Program consists of four research themes. The objectives of the theme A is to actively participate in the coupled model intercomparison project phase 6 (CMIP6) by using the global climate models developed in the previous programs, and to carry out many original climate model simulations to generate the forecast information necessary for the formulation of near-future adaptation and mitigation measures. Theme B aims to, such as, more precisely estimate CO_2 emissions by using the Earth System Model (ESM), a climate model that incorporates biological and chemical processes into the global climate model.

This dataset contains the results of the LS3MIP by MIROC6, among the various simulations for CMIP6 that have been carried out in this TOUGOU Program using the global climate models and the Earth system models developed in Japan.

This work was supported by the Integrated Research Program for Advancing Climate Models (TOUGOU) Grant Number JPMXD0717935457 from the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan.

All CMIP6 data are collected, managed and published by the Earth System Grid Federation (ESGF), and DIAS serves as one node of the ESGF. All public datasets, including this dataset, are available from ESGF. Please refer to the CMIP6 Guidance for Data Users (link below) for information on the use of these datasets, including this dataset.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1850-01-01
End Date	2015-01-01

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

7.8 Online Resource

DOI landing page, Citation information : https://doi.org/10.22033/ESGF/CMIP6.887

TOUGOU Program Web site : http://www.jamstec.go.jp/tougou/program/index.html

CMIP6 Project Web site : https://pcmdi.llnl.gov/CMIP6

CMIP6 Terms of Use : https://pcmdi.llnl.gov/CMIP6/TermsOfUse

CMIP6 Guidance for Data Users : https://pcmdi.llnl.gov/CMIP6/Guide/dataUsers.html

MIP Description : https://search.es-doc.org/

Model Information : https://explore.es-doc.org/cmip6/models/miroc/miroc6

ESGF, Search Variables (in DKRZ) : http://esgf-data.dkrz.de/search/cmip6-dkrz

ESGF, Search Variables (in LLNL) : http://esgf-node.llnl.gov/search/cmip6

Errata Information : https://errata.es-doc.org/

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
netCDF	classic	CF Convention

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

This dataset is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License (CC BY-SA 4.0).

See "CMIP6 Guidance for Data Users" for the detailed information.

https://pcmdi.llnl.gov/CMIP6/Guide/dataUsers.html

10.2 Data Policy by the Project

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

Cite this dataset as:

Watanabe, Masahiro; Tatebe, Hiroaki (2019). MIROC MIROC6 model output prepared for CMIP6 GMMIP. Version YYYYMMDD[1].Earth System Grid Federation. https://doi.org/10.22033/ESGF/CMIP6.887

[1] Please use the latest dataset version or if not available the latest data download date as version in your data citation.

For acknowledgement, see CMIP6 Terms of Use.

12.2 Acknowledge the Project

13. REFERENCES

Tatebe, H., Ogura, T., Nitta, T., Komuro, Y., Ogochi, K., Takemura, T., Sudo, K., Sekiguchi, M., Abe, M., Saito, F., Chikira, M., Watanabe, S., Mori, M., Hirota, N., Kawatani, Y., Mochizuki, T.,

Yoshimura, K., Takata, K., O'ishi, R., Yamazaki, D., Suzuki, T., Kurogi, M., Kataoka, T., Watanabe, M., and Kimoto, M.: Description and basic evaluation of simulated mean state, internal variability, and climate sensitivity in MIROC6, Geosci. Model Dev., 12, 2727 2765, https://doi.org/10.5194/gmd-12-2727-2019, 2019.