DIAS dynamical downscaling data for near future atmospheric projection (from Tohoku to Kyushu) by SI-CAT

1. IDENTIFICATION INFORMATION

Name	dynamical downscaling data for near future atmospheric projection (from Tohoku to Kyushu) by SI-CAT
Abbreviation	SI-CAT DDS5TK
DOI	doi:10.20783/DIAS.562 [https://doi.org/10.20783/DIAS.562]
Metadata Identifier	SICAT_DDS_5kmTK20221122153046-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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4. DATASET CREATOR

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Organization	Tohoku University

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Organization	Meteorological Research Institute

5. DATE OF THIS DOCUMENT

2022-11-22

6. DATE OF DATASET

creation : 2019-10-01

7. DATASET OVERVIEW

7.1 Abstract

Downscaling data from d4PDF with 5km regional climate model (JMA/MRI NHRCM)

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1980-08-01
End Date	2011-08-30
Temporal Characteristics	Hourly

7.4 Geographic Bounding Box

North bound latitude	46.
West bound longitude	123.
Eastbound longitude	147.
South bound latitude	23.

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	321	5 (km)
column	301	5 (km)
vertical	5	25-300 (hPa)
time	271560	1 (hour)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Atmosphere > Atmospheric Temperature > Surface Air Temperature, Atmosphere > Precipitation > Precipitation Amount	GCMD_science

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

d4PDF home page (Japanese) : https://www.miroc-gcm.jp/~pub/d4PDF/

d4PDF home page (English) : https://www.miroc-gcm.jp/~pub/d4PDF/index_en.html

file download : https://data.diasjp.net/dl/storages/filelist/dataset:562

FAQ (Japanese only) : https://data.diasjp.net/dl/storages/file/L1NJQ0FUX0REU181a21USy9TSUNBVF9ERFNfNWttVEtfRkFRXzIwMjIwMzIzLnBkZg==

outline (Japanese only) : https://data.diasjp.net/dl/storages/file/L1NJQ0FUX0REU181a21USy9TSUNBVF9ERFNfNWttVEtfb3V0bGluZV8yMDIwMDIyOC5wZGY=

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

Purpose of use

There are no restrictions. The contents are subject to change without any prior notice. SI-CAT DDS5TK team is not liable for any losses or any damage when the dataset is used.

Redistribution

Users shall not redistribute the content of the data set to third parties.

Acknowledgements

Please describe after the following example.

This study utilized the dynamical downscaling data, which are produced from d4PDF using the Earth Simulator, by the Social Implementation Program on Climate Change Adaptation Technology (SI-CAT) sponsored by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

Citation

Please cite Sasai et al. (2019) as the paper describing DDS5TK.

Sasai et al. (2019) [https://doi.org/ 10.1029/2019JD030781]

There are the following related papers, please cite them if necessary.

Kawase et al. (2018) [https://doi.org/10.2151/jmsj.2018-022] Describing historical and +4K DDS5TK

Sugimoto et al. (2018) [https://doi.org/10.2151/sola.2018-008] Describing DDS5TK for JRA55 input

Ito et al. (2018) [https://doi.org/10.2151/jmsj.2018-053] Describing modified urban model (SPUC) that is used in DDS5TK

Yamazaki et al. (2019): The outline of 5km-grid dynamical downscaling dataset, SI-CAT DDS5TK. Simulation, 38(3), 145-149. (in Japanese). Outline describing in Japanese

Please cite the following papers about d4PDF as far as possible. When you use +4K, Mizuta et al. (2017) [https://doi.org/10.1175/BAMS-D-16-0099.1]. When you use +2K, Fujita et al. (2018) [https://doi.org/10.1029/2018GL079885].

Coauthorship

We don’t require the SI-CAT DDS5TK team members as coauthor when the user publishes the result, unless the team members deeply contribute the user’s work.

Notification of data use

If you will notify the user name, affiliation, and theme of user’s work to sicat2a_dds@jamstec.go.jp in advance, the SI-CAT DDS5TK team can provide error information etc. We recommend send the copy of your paper or report with use of the dataset to the e-mail address.

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

This study utilized the dynamical downscaling data, which are produced from d4PDF using the Earth Simulator, by the Social Implementation Program on Climate Change Adaptation Technology (SI-CAT) sponsored by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

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