



Indian Ocean climatological shallow-water model experiments

1. IDENTIFICATION INFORMATION

Name	Indian Ocean climatological shallow-water model experiments
DOI	doi:10.1029/2019GL085670 [https://doi.org/10.1029/2019GL085670]
Metadata Identifier	SWmodel_Indian_Ocean_clim20230727094538-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

Name	Hidenori Aiki
Organization	Institute for Space-Earth Environmental Research
E-mail	aiki@nagoya-u.jp

2.2 CONTACT on PROJECT

2.2.1 Data Integration and Analysis System

Name	DIAS Office
Organization	Japan Agency for Marine-Earth Science and Technology
Address	3173-25, Showa-Cho, Kanazawa-ku, Yokohama-shi, Kanagawa, 236-0001, Japan
E-mail	dias-office@diasjp.net

3. DOCUMENT AUTHOR

Name	Hidenori Aiki
Organization	Institute for Space-Earth Environmental Research, Nagoya University
E-mail	aiki@nagoya-u.jp

4. DATASET CREATOR

Name	Hidenori Aiki
Organization	Institute for Space-Earth Environmental Research, Nagoya University
E-mail	aiki@nagoya-u.jp

5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

creation : 2019-10-21

7. DATASET OVERVIEW

7.1 Abstract

The results of numerical experiments using a shallow-water equation model associated with the fundamental three baroclinic modes that are forced by climatological monthly winds in the Indian Ocean.

7.2 Topic Category(ISO19139)

oceans

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	2019-01-01
End Date	2019-12-31

7.4 Geographic Bounding Box

North latitude bound	26.25
West longitude bound	25
Eastbound longitude	125.25
South latitude bound	-44

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	401	0.25 (deg)
column	201	0.25 (deg)
time	100	3.65 (day)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	OCEANOGRAPHY PHYSICAL > Planetary waves, OCEANOGRAPHY GENERAL > Equatorial oceanography	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

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:565>

: <https://doi.org/10.1029/2019GL085670>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
NetCDF	3.0	with control file for Grads

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

Li and Aiki (2020, GRL, doi:10.1029/2019GL085670) を引用すること

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

Li, Z., and Aiki, H. (2020). The life cycle of annual waves in the Indian Ocean as identified by seamless diagnosis of the energy flux. *Geophysical Research Letters*, 47, e2019GL085670. doi:10.1029/2019GL085670