



Atmosphere and ocean carbon dioxide monitoring using volunteer observing ship (MS Trans Future 5) servicing between Japan and Oceania

1. IDENTIFICATION INFORMATION

Name	Atmosphere and ocean carbon dioxide monitoring using volunteer observing ship (MS Trans Future 5) servicing between Japan and Oceania
Abbreviation	TF5
Metadata Identifier	TF520230727065224-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 : 2012-02-13

7. DATASET OVERVIEW

7.1 Abstract

Data of atmosphere and ocean carbon dioxide monitoring using volunteer observing ship (MS Trans Future 5) servicing between Japan and Oceania. This data contains the cruise track, carbon dioxide variables in the lower atmosphere and surface ocean, parameters of atmosphere (temperature, humidity, wind speed, radiation, and air pressure) and ocean (sea surface temperature, sea surface salinity). The atmospheric observation has been performed since November 2005. The atmospheric and oceanic observation has been performed since June 2006.

7.2 Topic Category(ISO19139)

oceans

7.3 Temporal Extent

Begin Date	2005-11-11
End Date	2011-09-10
Temporal Characteristics	10minute

7.4 Geographic Bounding Box

North latitude bound	35
West longitude bound	130
Eastbound longitude	180
South latitude bound	-45

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Oceans > Ocean Chemistry > Carbon Dioxide	GCMD_science
place	Western Pacific	No_Dictionary
theme	Atmosphere > Atmospheric Chemistry > Carbon and Hydrocarbon Compounds > Carbon Dioxide, Atmosphere > Atmospheric Pressure > Sea Level Pressure	GCMD_science
theme	In Situ Ocean-based Platforms > SHIPS	GCMD_platform
theme	二酸化炭素, CO2分圧, CO2, 貨物船, 海洋表層, 洋上大気CO2	No_Dictionary

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

: <http://tf5.soop.jp/>

File download from the DIAS : <https://data.diasjp.net/dl/storages/filelist/dataset:192>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
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8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

Observation data is copyrighted to Center for Global Environmental Research (CGER), National Institute for Environmental Studies (NIES). You can use the data only for noncommercial purpose. For any publication using data, CGER/NIES must be informed and its approval must be obtained prior to publishing. The data provider may request co-authorship or acknowledgements. Please be informed that we have no concern with your cost by using the data.

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