

## 1. IDENTIFICATION INFORMATION

Name	J-0FURO3
Edition	V1.1
DOI	doi:10.20783/DIAS.612 [ <a href="https://doi.org/10.20783/DIAS.612">https://doi.org/10.20783/DIAS.612</a> ]
Metadata Identifier	JOFURO3_V1_120230727101649-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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## 3. DOCUMENT AUTHOR

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## 4. DATASET CREATOR

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## 5. DATE OF THIS DOCUMENT

2023-07-27

## 6. DATE OF DATASET

creation : 2020-10-30

## 7. DATASET OVERVIEW

### 7.1 Abstract

Japanese Ocean Flux Data Sets with Use of Remote Sensing Observations (J-OFURO) is a research project on air-sea heat, momentum, and freshwater fluxes in the Earth system. The project also provides the satellite-derived data set of air-fluxes over the global oceans with the exception of the sea ice areas.

J-OFURO3 is a third-generation data set in the project. After the first release of J-OFURO3 (V1.0), the dataset has been updated to V1.1. In the V1.1, the data provision period was extended to 1988-2017 and some of the problems were fixed. Furthermore, by using newer satellite observation data, J-OFURO3 V1.1 succeeded to improve data quality and quantity.

J-OFURO3 V1.1 is provided as a numerical data set of air-sea fluxes in netCDF format, along with relevant physical parameters including sea surface temperature, surface wind speed, and surface air specific humidity and so on. The daily and monthly mean data on 0.25 degree grids for 1988-2017 are currently available.

### 7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

oceans

### 7.3 Temporal Extent

Begin Date	1988-01-01
End Date	2017-12-31

### 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
time		daily, monthly (day)
row	1440	0.25 (deg)

column	720	0.25 (deg)
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## 7.6 Geographic Description

## 7.7 Keywords

### 7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	OCEANOGRAPHY PHYSICAL > Air/sea interactions	AGU
theme	Oceans > Ocean Heat Budget > Heat Flux	GCMD_science
theme	Earth Observation Satellites > DMSP (Defense Meteorological Satellite Program), Earth Observation Satellites > AQUA, Earth Observation Satellites > QUIKSCAT, Earth Observation Satellites > TRMM	GCMD_platform
theme	Climate, Water, Energy	GEOSS

### 7.7.2 Keywords on Project

#### 7.7.2.1 Data Integration and Analysis System

Keyword Type	Keyword	Keyword thesaurus Name
theme	DIAS &gt; Data Integration and Analysis System	No_Dictionary

## 7.8 Online Resource

: <https://j-ofuro.isee.nagoya-u.ac.jp>

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:612>

## 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

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## 10.1 Data Policy by the Data Provider

Open data (CC-BY 4.0)

<https://creativecommons.org/licenses/by/4.0/deed>

## 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



CC-BY 4.0 : Creative Commons Attribution 4.0 International [<https://creativecommons.org/licenses/by/4.0/>]

## 12. DATA SOURCE ACKNOWLEDGEMENT

### 12.1 Acknowledge the Data Provider

If you use J-OFURO3 dataset for your research and publications, please cite the following paper:

An introduction to J-OFURO3, a third-generation Japanese ocean flux data set using remote-sensing observations

Authors: Hiroyuki Tomita, Tsutomu Hihara, Shin'ichiro Kako, Masahisa Kubota, Kunio Kutsuwada

Journal: Journal of Oceanography (2019) 75:171-194

DOI: <https://doi.org/10.1007/s10872-018-0493-x>

### 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

