Japanese Reanalysis for Three Quarters of a Century with COBE-SST2

1. IDENTIFICATION INFORMATION

Name	Japanese Reanalysis for Three Quarters of a Century with COBE-SST2
Abbreviation	JRA-3Q-COBE
DOI	doi:10.20783/DIAS.661 [https://doi.org/10.20783/DIAS.661]
Metadata Identifier	JRA3Q_COBE20231102090140-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

Name	Numerical Prediction Division, Information Infrastructure Department
Organization	Japan Meteorological Agency
Address	3-6-9 Toranomon, Minato City, Tokyo, 105-8431, Japan
E-mail	jra@met.kishou.go.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	Numerical Prediction Division, Information Infrastructure Department
Organization	Japan Meteorological Agency

4. DATASET CREATOR

Name	Numerical Prediction Division, Information Infrastructure Department
Organization	Japan Meteorological Agency

5. DATE OF THIS DOCUMENT

2023-11-02

6. DATE OF DATASET

publication : 2023-08-10

7. DATASET OVERVIEW

7.1 Abstract

The Japan Meteorological Agency produced a sub-product of the Japanese Reanalysis for Three Quarters of a Century (JRA-3Q) using the sea surface temperature (SST) from the Centennial In Situ Observation-based Estimates of the Variability of SSTs and Marine Meteorological Variables Version 2 (COBE-SST2) as the lower boundary condition for the period from June 1985 to December 1990. In JRA-3Q, the SST specified as the lower boundary condition is COBE-SST2 with a resolution of 1° based on in situ observations until May 1985 and the Merged Satellite and In-Situ Data Global Daily Sea Surface Temperature (MGDSST) with a resolution of 0.25° based on satellite observations since June 1985. This sub-product, called JRA-3Q with COBE-SST2 (JRA-3Q-COBE), was produced in order to enable evaluation of changes in product characteristics following the switch from COBE-SST2 to MGDSST.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1985-06-01
End Date	1990-12-31

7.4 Geographic Bounding Box

North bound latitude	90
West bound longitude	-180
Eastbound longitude	180
South bound latitude	-90

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row		40 (km)
column	480	40 (km)
vertical	100	0.02-25 (hPa)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Atmosphere	GCMD_science
theme	Aircraft, Balloons/Rockets, Earth Observation Satellites, In Situ Land-based Platforms, In Situ Ocean-based Platforms, Models > , Navigation Platforms	GCMD_platform
theme	Climate, Weather	GEOSS

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

JRA project website : https://jra.kishou.go.jp/

JRA-3Q Data Format (in English) : https://jra.kishou.go.jp/JRA-3Q/index_en.html#FORMAT

JRA-3Q Data Format (in Japanese) : https://jra.kishou.go.jp/JRA-3Q/index_ja.html#FORMAT

Quality issues (in English) : https://jra.kishou.go.jp/JRA-3Q/index_en.html#QUALITY

Quality issues (in Japanese) : https://jra.kishou.go.jp/JRA-3Q/index_ja.html#QUALITY

file download : https://data.diasjp.net/dl/storages/filelist/dataset:661

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
GRIB	2	

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

Disclaimer

Please note that although JMA has paid the closest attention to produce the Products, JMA assumes no responsibility regarding the reliability of the Products. JMA is not responsible to you for any damage that may be caused by the use of the Products on this site.

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

JRA-3Q-COBE data should be acknowledged in scientific and technical reports.

Example

"This report references JRA-3Q-COBE reanalysis data from the Japan Meteorological Agency."

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

Kosaka Y., S. Kobayashi, Y. Harada, C. Kobayashi, H. Naoe, K. Yoshimoto, M. Harada, N. Goto, J. Chiba, K. Miyaoka, R. Sekiguchi, M. Deushi, H. Kamahori, T. Nakaegawa; T. Y.Tanaka, T. Tokuhiro,

Y. Sato, Y. Matsushita, and K. Onogi, 2024: The JRA-3Q reanalysis. J. Meteor. Soc. Japan, 102, https://doi.org/10.2151/jmsj.2024-004.