The Japanese 55-year Reanalysis AMIP-type simulation (JRA-55AMIP)

1. IDENTIFICATION INFORMATION

Name	The Japanese 55-year Reanalysis AMIP-type simulation (JRA-55AMIP)
Abbreviation	JRA-55AMIP
Metadata Identifier	JRA55_AMIP20251203084602-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

Name	Numerical Prediction Division, Information Infrastructure Department
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2.2 CONTACT on PROJECT

2.2.1 Data Integration and Analysis System

Name	DIAS Office
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3. DOCUMENT AUTHOR

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Organization	Japan Meteorological Agency

4. DATASET CREATOR

Name	Climate Research Department
Organization	Meteorological Research Institute

5. DATE OF THIS DOCUMENT

2025-12-03

6. DATE OF DATASET

publication : 2014-10-01

7. DATASET OVERVIEW

7.1 Abstract

As a subset of the Japanese 55-year Reanalysis (JRA-55) project, an experiment using the global atmospheric model of the JRA-55 was conducted by the Meteorological Research Institute of the Japan Meteorological Agency. The experiment, named the JRA-55AMIP, has been carried out by prescribing the same boundary conditions and radiative forcing of JRA-55, including the historical observed sea surface temperature, sea ice concentration, greenhouse gases, etc., with no use of atmospheric observational data. This sub-project is intended to assess systematic errors of the model.

(A part of JRA-55AMIP data included an error. We replaced the error data to the corrected data on 3rd June 2015. The details are described at "Data Remarks".)

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1958-01-01
End Date	2012-12-31

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	288	1.25 (deg)
column	145	1.25 (deg)
vertical	37	1-50 (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://www.data.jma.go.jp/jra/html/

JRA-55 Product Users Handbook (in English) : https://www.data.jma.go.jp/jra/html/JRA-55/index_en.html#manual

JRA-55 Product Users Handbook (in Japanese) : https://www.data.jma.go.jp/jra/html/JRA-55/index_ja.html#manual

file download : https://data.diasjp.net/dl/storages/filelist/dataset:232

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
GRIB	1	

8. DATA PROCESSING

9. DATA REMARKS

Because a part of JRA-55AMIP data included an error, we replaced the error data to the corrected data on 3rd June 2015. Please download the data again from DIAS with the updated versions

The replaced are the following data (262 files):

All files (226) under JRA-55AMIP/Hist/Daily/fcst_phy2m125/199902/

Four files under JRA-55AMIP/Hist/Monthly/fcst_phy2m125/

fcst_phy2m125.199902

fcst_phy2m125_var.199902

fcst_phy2m125.monthly.idx

fcst_phy2m125_var.monthly.idx

32 files under JRA-55AMIP/Hist/Monthly_diurnal/fcst_phy2m125/

fcst_phy2m125.199902_${hh}

fcst_phy2m125_var.199902_${hh}

fcst_phy2m125_${hh}Z.monthly.idx

fcst_phy2m125_var_${hh}Z.monthly.idx

${hh}: 00,03,06,09,12,15,18,21

10. DATA POLICY

10.1 Data Policy by the Data Provider

(1) Users should provide user information including name, affiliation, e-mail address.

(2) Users should not distribute the Products to any third party without JMA's prior consent. Use of the Products for any commercial purposes is also prohibited.

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10.2.1 Data Integration and Analysis System

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11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

The source of the Products should be duly acknowledged in scientific or technical papers, publications, press releases or other communications regarding the Products.

Example:

The datasets used for this study are provided from the Japanese 55-year Reanalysis (JRA-55) project carried out by the Japan Meteorological Agency (JMA).

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

Kobayashi, S., Y. Ota, Y. Harada, A. Ebita, M. Moriya, H. Onoda, K. Onogi, H. Kamahori, C. Kobayashi, H. Endo, K. Miyaoka, and K. Takahashi, 2015: The JRA-55 Reanalysis: General Specifications and Basic Characteristics. 93, 5-48, doi: 10.2151/jmsj.2015-001.