


The Japanese 55-year Reanalysis (JRA-55)

1. IDENTIFICATION INFORMATION

Name	The Japanese 55-year Reanalysis (JRA-55)
Metadata Identifier	JRA5520170725123711-DIAS20170725102541-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

2017-07-25

6. DATE OF DATASET

publication : 2013-10-01

7. DATASET OVERVIEW

7.1 Abstract

Reanalysis of long-term records of past observations with a state-of-the-art numerical analysis and weather prediction (NWP) system aims at producing a high quality, homogeneous data set for climate variables such as temperature and precipitation.

The Japan Meteorological Agency has conducted the second reanalysis project named the Japanese 55-year Reanalysis (JRA-55) using a more sophisticated NWP system, which is based on the operational system as of December 2009, and newly prepared past observations. The reanalysis period has been extended covering the period from 1958 to 2012. JRA-55 is a data set that aims at reproducing the climate change over the past half century more accurately.

7.2 Topic Category(IS019139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1958-01-01
End Date	Under Continuation

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
		()

		()
		()

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 : <http://jra.kishou.go.jp/>

JRA-55 Product Users Handbook (in English) : http://jra.kishou.go.jp/JRA-55/index_en.html#manual

JRA-55 Product Users Handbook (in Japanese) : http://jra.kishou.go.jp/JRA-55/index_ja.html#manual

file download : <http://dias-dss.tkl.iis.u-tokyo.ac.jp/dl/storages/filelist/dataset:204>

Quality issues (in English) : http://jra.kishou.go.jp/JRA-55/index_en.html#quality

Quality issues (in Japanese) : http://jra.kishou.go.jp/JRA-55/index_ja.html#quality

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
GRIB	1	

8. DATA PROCESSING

9. DATA REMARKS

10. USE CONSTRAINTS

10.1 Data Policy by Data Provider

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10.2.1 Data Integration and Analysis System

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[*1] Data sets whose commercial usage are allowed under the data policy by data provider will be also allowed to be used commercially as DIAS data sets, after ongoing preparation works have been completed. Please contact the DIAS Office for more details.

[DIAS Office]

E-mail: dias-office@diasjp.net

Remote Sensing Technology Center of Japan

10.3 Disclaimer for Project

10.3.1 Data Integration and Analysis System

1. DIAS data provider is not liable for any losses or any damage when DIAS data sets are used.
2. DIAS data and related information are subject to change without any prior notice.
3. DIAS data sets provided are not supported for any additional processing or analysis.

11 ACKNOWLEDGEMENT

11.1 Dataset Acknowledgement

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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).

11.2 Project Acknowledgement

11.2.1 Data Integration and Analysis System

Whenever DIAS dataset is used for any academic presentations, and any publication of scientific results, the author(s) shall specify the following acknowledgement and if the data provider has their own acknowledgement quotation, the author(s) shall use both acknowledgements.

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12. REFERENCES

Kobayashi, S., Y. Ota, H. 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, *J. Met. Soc. Japan*, 93, 5-48, doi: 10.2151/jmsj.2015-001.

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