Dynamical Regional Downscaling Using the JRA-55 Reanalysis (DSJRA-55)

1. IDENTIFICATION INFORMATION

Name	Dynamical Regional Downscaling Using the JRA-55 Reanalysis (DSJRA-55)
Metadata Identifier	DSJRA5520180903151031-DIAS20180903143952-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

2018-09-03

6. DATE OF DATASET

publication : 2017-03-13

7. DATASET OVERVIEW

7.1 Abstract

DSJRA-55 (Kayaba et al. 2016) is a dynamical regional downscaling using the Japanese 55-year Reanalysis (JRA-55, Kobayashi et al. 2015) dataset for initial and boundary conditions. The Japan Meteorological Agency (JMA) has conducted DSJRA-55 for the period from 1958 to 2012 to produce a climate dataset with a horizontal resolution of 5 km that appropriately represents phenomena associated with Japan's uneven terrain. DSJRA-55 is presented as a dataset helping to clarify climatic characteristics (such as trends of extreme phenomena) and supporting case studies on extreme events in Japan.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1958-01-01
End Date	2012-12-31
Temporal Characteristics	Hourly

7.4 Geographic Bounding Box

North bound latitude	48.8008
West bound longitude	107.498
Eastbound longitude	156.151
South bound latitude	19.6995

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	721	5 (km)
column	577	5 (km)
vertical	16	25-100 (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	Models	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/

Dynamical Regional Downscaling Using the JRA-55 Reanalysis (DSJRA-55) website (in English) : http://jra.kishou.go.jp/DSJRA-55/index_en.html

Dynamical Regional Downscaling Using the JRA-55 Reanalysis (DSJRA-55) website (in Japanese) : http://jra.kishou.go.jp/DSJRA-55/index_ja.html

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

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

file download : http://dias-dss.tkl.iis.u-tokyo.ac.jp/dl/storages/filelist/dataset:284

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
GRIB	2	

8. DATA PROCESSING

9. DATA REMARKS

10. USE CONSTRAINTS

10.1 Data Policy by Data Provider

(1) Users should provide user information including name, affiliation, e-mail address and purpose of data use.

(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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10.3 Disclaimer for Project

10.3.1 Data Integration and Analysis System

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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 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

Kayaba, N., T. Yamada, S. Hayashi, K. Onogi, S. Kobayashi, K. Yoshimoto, K. Kamiguchi, and K. Yamashita, 2016: Dynamical Regional Downscaling Using the JRA-55 Reanalysis (DSJRA-55). SOLA, 12, 1-5. http://doi.org/10.2151/sola.2016-001.

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. J. Meteor. Soc. Japan, 93, 5-48. http://dx.doi.org/10.2151/jmsj.2015-001.