DIAS APHRODITE Japan precipitation

1. IDENTIFICATION INFORMATION

Name	APHRODITE Japan precipitation
Edition	V1207
Abbreviation	APHRO_JP
Metadata Identifier	APHRO_JP20230727073306-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

Name	APHRODITE Team
Organization	Hirosaki University
Address	Japan
E-mail	aphrodite.precinfo@gmail.com

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	Yasutomi Natsuko
Organization	DPRI, Kyoto University

4. DATASET CREATOR

Name	Kamiguchi Kenji
Organization	Japan Meteorological Agency

5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

creation : 2010-06-01

7. DATASET OVERVIEW

7.1 Abstract

Asian Precipitation - Highly-Resolved Observational Data Integration Towards Evaluation (APHRODITE's) of Water Resources project develops state-of-the-art daily precipitation and temperature datasets with high-resolution grids for Asia. The datasets are created primarily with data obtained from a rain-gauge-observation network.

Product APHRO_JP offers gridded daily precipitation of Japan for 1900-2011.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1900-01-01
End Date	2011-12-31
Temporal Characteristics	Daily

7.4 Geographic Bounding Box

North bound latitude	46
West bound longitude	123
Eastbound longitude	146
South bound latitude	24

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	460	3 (minute)
column	440	3 (minute)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	APHRODITE, daily precipitation, Japan	No_Dictionary

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

File download : https://data.diasjp.net/dl/storages/filelist/dataset:260

The latest version data and update data of APHRODITE are released from "http://aphrodite.st.hirosaki-u.ac.jp". : http://aphrodite.st.hirosaki-u.ac.jp

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
netCDF	lats4d 2.0.1	
4byte little endian	N/A	

8. DATA PROCESSING

8.1 Data Processing (1)

8.1.1 General Explanation of the data producer's knowledge about the lineage of a dataset

The gridded fields of daily precipitation are defined by interpolating

gauge observations obtained from meteorological stations throughout the region.

Please refer to

http://www.chikyu.ac.jp/precip/

for the details of interpolation algorithm and input data.

8.1.2 Data Source

Data Source Citation Name	Description of derived parameters and processing techniques used

9. DATA REMARKS

For long-term change analyses, we provide dataset calculated from constant observation through the analysis period. (DPREC.CSTN)

Details on quality control method of our product is described in Kamiguchi et al.(2010, 2011)

10. DATA POLICY

10.1 Data Policy by the Data Provider

1.APHRODITE products are available to all academic institutions and researchers. No commercial use of the data is allowed.

2.Each user shall sign up with a valid email address so as to be informed of data updates and/or errata.

3.APHRODITE data shall not be redistributed as a whole or in part to the general public through the Internet or other means.

4.Although all reasonable precautions have been taken by the APHRODITE project in preparing the products, in no event shall the APHRODITE project be liable for any loss or damage arising from their use.

5.If you want to release secondary products using APHRODITE data on your website or through other means, you must contact the APHRODITE project for permission.

6.Papers or written scientific works of any form based in whole or in part on APHRODITE data shall contain an acknowledgement of APHRODITE. This can be done by citing an appropriate reference paper or APHRODITE web site (http://www.chikyu.ac.jp/precip/).

Users

1.If you are going to use APHRODITE data as a benchmark in your project, we encourage you to inform us. We list such groups/projects on our website and exchange information for future improvements.

2. If you publish a paper, please inform us. We will list your paper on our website. (http://www.chikyu.ac.jp/precip/research/index.html)

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

Papers or written scientific works of any form based in whole or in part on APHRODITE data shall contain an acknowledgement of APHRODITE. This can be done by citing an appropriate reference paper or APHRODITE web site (http://www.chikyu.ac.jp/precip/).

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

Kamiguchi, K., O. Arakawa, A. Kitoh, A. Yatagai, A. Hamada, and N.Yasutomi (2010): Development of APHRO_JP, the first Japanese high-resolution daily precipitation product for more than 100 years, Hydrological Research Letters, 4, 60-64.

Yatagai, A., K. Kamiguchi, O. Arakawa, A. Hamada, N. Yasutomi and A. Kitoh (2012): APHRODITE: Constructing a Long-term Daily Gridded Precipitation Dataset for Asia based on a Dense Network of Rain Gauges, Bulletin of American Meteorological Society, doi:10.1175/BAMS-D-11-00122.1.

Kamiguchi, K., O. Arakawa and A. Kitoh (2011): Long-term changes in Japanese extreme precipitation analyzed with APHRO_JP_EX, Global Environmental Research, V15N2, 91-100.