DIAS JMA Himawari 8, 9 dataset

1. IDENTIFICATION INFORMATION

Name	JMA Himawari 8, 9 dataset
Metadata Identifier	Himawari_8_920230727072325-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

Name	Satellite Program Division, Information Infrastructure Department
Organization	Japan Meteorological Agency
Address	3-6-9 Toranomon, Minato City, Tokyo, 105-8431, Japan
TEL	+81-3-6758-3900
E-mail	metsat@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	Satellite Program Division, Information Infrastructure Department
Organization	Japan Meteorological Agency
E-mail	metsat@met.kishou.go.jp

4. DATASET CREATOR

Name	Satellite Program Division, Information Infrastructure Department
Organization	Japan Meteorological Agency
E-mail	metsat@met.kishou.go.jp

5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

publication : 2015-07-07

7. DATASET OVERVIEW

7.1 Abstract

The observation data of geostationary meteorological satellite Himawari-8 and 9 are archived. Whole observation consits of 10-minute interval full-disk observation* and 2.5-minute interval Japan area observation and 2.5-minute interval target area observation**.

* The whole observation of round shape earth which can be seen from the satellite.

** Focused area observation which is targetted to mainly tayhoon and volcanic erruption.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

geoscientificInformation

7.3 Temporal Extent

Begin Date	2015-03-20
End Date	Under Continuation
Temporal Characteristics	2.5minute, 10 minute

7.4 Geographic Bounding Box

North bound latitude	80
West bound longitude	60
Eastbound longitude	220
South bound latitude	-80

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
column	22000	500 (m)
line	22000	500 (m)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Disasters, Weather, Climate	GEOSS

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

Information of Himawari-8,9 such as system, product, dissemination and operational information. : https://www.data.jma.go.jp/mscweb/en/support/support.html

DIAS Realtime Himawari-8 Image Visualization Service : https://diasjp.net/service/himawari8/

NICT Himawari-8 Realtime Web : https://himawari8.nict.go.jp/

CEReS NICT JMA HIMAWARI Visualization Team : https://www.youtube.com/channel/UCx9Wvt_RY7KvoDH59jAMPxA

Himawari-8 System maintenance Information (in Japanese) : https://www.data.jma.go.jp/mscweb/ja/oper/bulletin_list_H8.html

Himawari-8 System maintenance Information (in English) : https://www.data.jma.go.jp/mscweb/en/operation8/bulletin_list_H8.html

Himawari-9 System maintenance Information (in Japanese) : https://www.data.jma.go.jp/mscweb/ja/oper/bulletin_list_H9.html

Himawari-9 System maintenance Information (in English) : https://www.data.jma.go.jp/mscweb/en/operation8/bulletin_list_H9.html

7.9 Data Environmental Information

Detailed guide for Himawari Standard Data is available at https://www.data.jma.go.jp/mscweb/en/support/support.html.

7.10 Distribution Information

name	version	specification
Himawari Standard Data, NetCDF, PNG	Himawari Standard Data Ver1.3, NetCDF Ver3, PNG Ver1.2	

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

8.1.2 Data Source

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

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

This data set is provided to facilitate the research, development and education using observation data. Commercial use of the data set and products made by processing the data set is not permitted in principle. If you need to use them for purpose of profit, please contact the Japan Meteorological Business Support Center.

(http://www.jmbsc.or.jp/en/index-e.html)

Although it is permitted to use the images in publications and to use the data set in research and development as a preliminary step of commercial activities. If you cannot judge, please contact us below.

Satellite Program Division

Information Infrastructure Department

Japan Meteorological Agency

Address : 3-6-9 Toranomon, Minato City, Tokyo, 105-8431, Japan

Tel: +81-3-6758-3900

E-mail metsat@met.kishou.go.jp

Please note that the data before 7 July 2015, when Himawari-8 became operational, is not verified by Japan Meteorological Agency. Those data are not suitable for processing as physical quantity.

Please note that the Himawari-9 data before 13 December, 2022, which is planed the switchover date from Himawari-8 to Himawari-9, is not verified by Japan Meteorological Agency. Please understand that these data may be missing.

Whenever this data set is used for any academic presentations, and any publications of scientific results, please specify the acknowledgement.

The following acknowledgement is a sample;

This study uses the Himawari data* downloaded from the Data Integration and Analysis System (DIAS) by Japan Agency for Marine-Earth Science and Technology (JAMSTEC).

* If you used the test data before Himawari-8 or 9 became operational, please specify "the test data before Himawari-8 (or 9) became operational" instead of "the Himawari data"

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

This study uses the Himawari data downloaded from the Data Integration and Analysis System (DIAS) by Japan Agency for Marine-Earth Science and Technology (JAMSTEC).

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