DIAS_Satellite_MODIS_Albedo dataset

1. IDENTIFICATION INFORMATION

Name	DIAS_Satellite_MODIS_Albedo dataset
DOI	doi:10.20783/DIAS.280 [https://doi.org/10.20783/DIAS.280]
Metadata Identifier	DIAS_Satellite_MODIS_Albedo20230727074613-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

Name	JAXA DIAS representative
Organization	Japan Aerospace Exploration Agency
Address	2-1-1 Sengen, Tsukuba-shi, Ibaraki, 305-8505, Japan
TEL	+81 50 3362 3064
FAX	+81 29 868 2961
E-mail	dias at ml dot jaxa dot 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	JAXA DIAS representative
Organization	Japan Aerospace Exploration Agency
E-mail	dias at ml dot jaxa dot jp

4. DATASET CREATOR

Name	JAXA DIAS representative
Organization	Japan Aerospace Exploration Agency
E-mail	dias at ml dot jaxa dot jp

5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

publication : 2016-03-11

7. DATASET OVERVIEW

7.1 Abstract

There are many standard MODIS data products that scientists are using to study global change. These products are being used by scientists from a variety of disciplines, including oceanography, biology, and atmospheric science.

■Satellite/Sensor

The moderate-resolution imaging spectroradiometer (MODIS) is a payload scientific instrument built by Santa Barbara Remote Sensing[1] that was launched into Earth orbit by NASA in 1999 on board the Terra (EOS AM) Satellite, and in 2002 on board the Aqua (EOS PM) satellite. The instruments capture data in 36 spectral bands ranging in wavelength from 0.4 μm to 14.4 μm and at varying spatial resolutions (2 bands at 250 m, 5 bands at 500 m and 29 bands at 1 km). Together the instruments image the entire Earth every 1 to 2 days. They are designed to provide measurements in large-scale global dynamics including changes in Earth's cloud cover, radiation budget and processes occurring in the oceans, on land, and in the lower atmosphere.

■Product level

MOD43

■Resolution

1km

■Product Area

Global

7.2 Topic Category(ISO19139)

imageryBaseMapsEarthCover

7.3 Temporal Extent

Begin Date	2015-01-01
End Date	2015-12-31
Temporal Characteristics	8day

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
column	1200	1 (km)
row	1200	1 (km)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Land Surface > Surface Radiative Properties > Albedo	GCMD_science

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

MODIS Land Team : http://modis-land.gsfc.nasa.gov/

File download from the DIAS : https://data.diasjp.net/dl/storages/filelist/dataset:280

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

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

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