DIAS_GRENE_Satellite_ALOS_DSM30 dataset

1. IDENTIFICATION INFORMATION

Name	DIAS_GRENE_Satellite_ALOS_DSM30 dataset
DOI	doi:10.20783/DIAS.282 [https://doi.org/10.20783/DIAS.282]
Metadata Identifier	DIAS_GRENE_Satellite_ALOS_DSM3020230727074732-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

creation : 2016-03-11

7. DATASET OVERVIEW

7.1 Abstract

Three scale-types of datasets observed by new generation of remote sensing satellites (including TERRA, AQUA, ADEOS-II) in addition to TRMM and DMSP series, which were providing enhancement of observing capabilities to quantify critical atmospheric, surface, hydrologic and oceanographic data during CEOP time periods are available. 250 km square snapshots of the highest resolution raw radiances (with geographic location, i.e. level 1) remote sensing data at the 35-51 in situ reference sites are archived.

■Satellite

ALOS :

The Advanced Land Observing Satellite "DAICHI" (ALOS) has been developed to contribute to the fields of mapping, precise regional land coverage observation, disaster monitoring, and resource surveying.

ALOS has three sensors: the Panchromatic Remote-sensing Instrument for Stereo Mapping (PRISM), which is comprised of three sets of optical systems to measure precise land elevation; the Advanced Visible and Near Infrared Radiometer type 2 (AVNIR-2), which observes what covers land surfaces; and the Phased Array type L-band Synthetic Aperture Radar (PALSAR), which enables day-and-night and all-weather land observation.

■Sensor

Panchromatic Remote-sensing Instrument for Stereo Mapping (PRISM)

■Product level

L2【DSM】(PRISM)

■Resolution

30m

■Product Area

East Asia～Around Southeast Asia

(longitude90～150、latitude10～55)

7.2 Topic Category(ISO19139)

geoscientificInformation

7.3 Temporal Extent

Begin Date	2006-01-24
End Date	2011-04-22

7.4 Geographic Bounding Box

North bound latitude	55
West bound longitude	90
Eastbound longitude	150
South bound latitude	10

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
column	3600	30 (m)
row	3600	30 (m)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Land Surface > Land Use/Land Cover > Land Cover, Land Surface > Land Use/Land Cover > Land Resources, Land Surface > Land Use/Land Cover > Land Use Classes, Land Surface > Topography > Landforms, Land Surface > Topography > Topographical Relief, Land Surface > Topography > Terrain Elevation, Land Surface > Topography > Contours, Spectral/ Engineering > Visible Wavelengths > Visible Imagery	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

AVNIR2,PALSAR,PRISM : http://www.eorc.jaxa.jp/ALOS/index_j.htm

JAXA : http://www.satnavi.jaxa.jp/project/trmm/index.html

DSM : http://www.eorc.jaxa.jp/ALOS/en/aw3d30/data/index.html

File download from the DIAS : https://data.diasjp.net/dl/storages/filelist/dataset:282

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