



DIAS_GRENE_Satellite_ALOS_DSM30 dataset

1. IDENTIFICATION INFORMATION

Name	DIAS_GRENE_Satellite_ALOS_DSM30 dataset
DOI	doi:10.20783/DIAS.282 [http://doi.org/10.20783/DIAS.282]
Metadata Identifier	DIAS_GRENE_Satellite_ALOS_DSM3020190319180254-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

2019-03-19

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 latitude bound	55
West longitude bound	90
Eastbound longitude	150
South latitude bound	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
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8. DATA PROCESSING

9. DATA REMARKS

10. USE CONSTRAINTS

10.1 Data Policy by Data Provider

10.2 Data Policy for Project

10.2.1 Data Integration and Analysis System

The terms of data use of data providers take first priority over the DIAS data usage policy. In the event a data provider has not established terms of use, the following DIAS project data terms of use apply.

1. Users shall prioritize and abide by terms of use stipulated by a data provider in the event such exist
2. The use of DIAS data sets is limited to research and educational purposes [*1]
3. Users shall not modify the content of DIAS data sets
4. Users shall not provide the content of DIAS data sets to third parties
5. In the event of using DIAS data sets in an academic presentation, paper, article, or report, etc., users shall cite in parenthesis the text given as the data citation
6. In the event of using DIAS data sets in an academic presentation, paper, article, or report, etc., users shall submit a copy of the work (an offprint in the case of a paper, or a copy of the lecture summary in the case of an oral or poster presentation) to the DIAS office below

[*1] Data sets whose commercial usage are allowed under the data policy by data provider will be also allowed to be used commercially as DIAS data sets, after ongoing preparation works have been completed. Please contact the DIAS Office for more details.

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10.3 Disclaimer for Project

10.3.1 Data Integration and Analysis System

1. DIAS data provider is not liable for any losses or any damage when DIAS data sets are used.
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

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

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