DIAS_Satellite_ALOS_PRISM_DSM_2.5m dataset

1. IDENTIFICATION INFORMATION

Name	DIAS_Satellite_ALOS_PRISM_DSM_2.5m dataset
Metadata Identifier	DIAS_Satellite_ALOS_PRISM_DSM_2m50cm20230727090637-DIAS20221121113753-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
2023-07-27

6. DATE OF DATASET

revision : 2016-01-21

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

2.5m

■Product Area

Fujinitayama,Kusagi,Sugadaira,kouzu,Takayama(deciduous   forest),Takayama(evergreen forest),Mase,Nobesan,Tama,Kenmarubi,Fujisanroku,Fukuroyama,Hinanohara,Sanbesan,Kiryu,yamashiro,Kasuya,Reihoku Boreal Forest ,Southern Khentei Taiga,Kherlenbayan Ulaan ,Dongwu Steppe ,Laoshan ,Moshiri Birch Forest,Moshiri Mixed Forest,Typical Steppe Xilingol,Desert Steppe Xilingol,Xilinhot Degraded Steppe,"Nakashibetu Station, NLBC ",Xilinhot Fenced Steppe,Kushiro Mire Akanuma Tower,Sapporo ,Tomakomai ,Tomakomai Experimental Forest ,Shizunai ,"National Livestock Breeding Center, Niikappu Station",Duolun Steppe ,Duolun Cropland ,Jinzhou ,Panjin Wetland (Natural Reed),Panjin Wetland (Paddy

Rice),Kubuqi Forest Plantation,Kubuqi Shrubland ,Appi ,Seolmacheon ,Gwangneung ,Gwangneung Coniferous ,Qinghai ,Cheongmicheon ,Hari ,Nasu ,Naeba Beech Forest,Naeba Beech Forest,NIFTS ,Karuizawa ,Shimotsuma ,"TERC, University of Tsukuba",Kawagoe ,Fujiyoshida ,Seto ,Ako ,Sakai City Office,Hachihama Experimental Farm,Haenam ,Kahoku ,Kobayashi ,Dongtan 2 ,Dongtan 3 ,Dongtan 1 ,Tibet Grassland Site ,Chi-Lan Mountain Research Site ,Taiwan Huisun Forest Station ,Lien-Hua-Chih ,Kog-Ma ,Mae Moh ,"Diverse land-cover site at Tak, Thailand ",Mae Klong ,Sakaerat,IRRI Flux Research Site ,Chachoengsao ,Dry Dipterocarp Forest Flux Ratchaburi ,Lambir Hills National Park ,Pasoh ,"Cermat Ceria, Betong ",Bukit Soeharto,Maludam ,Sibu Station,Palangkaraya ,Sakaerat (Plot1),Sakaerat (Plot2),"KogMa (Plot1,3), MaeKlong (Primary)","KogMa (Plot2,4)","KogMa (Plot5), MaeKlong (Secondary)",MaeKlong (Primary)

7.2 Topic Category(ISO19139)

geoscientificInformation

7.3 Temporal Extent

Begin Date	2006-05-16
End Date	2011-04-22

7.4 Geographic Bounding Box

North bound latitude	90
West bound longitude	-180
Eastbound longitude	180
South bound latitude	-90

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	land	others

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

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

JAXA/ALOS : http://www.satnavi.jaxa.jp/project/alos/

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