



DIAS_Satellite_ENVISAT_ASAR dataset

1. IDENTIFICATION INFORMATION

Name	DIAS_Satellite_ENVISAT_ASAR dataset
Metadata Identifier	DIAS_Satellite_ENVISAT_ASAR20230727091110-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 : 2016-01-22

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

ENVISAT :

Envisat was ESA's successor to ERS. Envisat was launched in 2002 with 10 instruments aboard and at eight tons is the largest civilian Earth observation mission.

More advanced imaging radar, radar altimeter and temperature-measuring radiometer instruments extend ERS data sets. This was supplemented by new instruments including a medium-resolution spectrometer sensitive to both land features and ocean colour. Envisat also carried two atmospheric sensors monitoring trace gases.

■Sensor

Advanced Synthetic Aperture Radar (ASAR)

■Product level

L1

■Resolution

30m~1km

■Product Area

Cambodia Sangker river

7.2 Topic Category(ISO19139)

geoscientificInformation

7.3 Temporal Extent

Begin Date	2002-10-30
End Date	2012-04-08

7.4 Geographic Bounding Box

North latitude	bound	15
West longitude	bound	100
Eastbound longitude		110
South latitude	bound	8

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	land	No_Dictionary

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

ENVISAT/ASAR : <https://earth.esa.int/web/guest/missions/esa-operational-eo-missions/envisat/instruments/asar>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
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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