DIAS_Satellite_ERS1_AMI dataset

1. IDENTIFICATION INFORMATION

Name	DIAS_Satellite_ERS1_AMI dataset
Metadata Identifier	DIAS_Satellite_ERS1_AMI20230727091148-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

ERS :

European Remote Sensing Satellite No.1 (ERS-1) was launched into a solar-synchronous orbit at an altitude of about 780 km in 1991. It is an Earth Observation Satellite to mainly observe ocean, sea ice distriction, sea surface wind, oceanic circulation, etc. and observes land areas with a high-resolution radar, too.

Synthetic Aperture Radar (AMI), Scatterometer (SCAT), Radar Altimeter (RA), Scanning Radiomter and Sounder (ATSR-M), Laser Reflector (LRR), Precision Ranging Equipment (PRARE) are equipped with the satellite and data other than those by SAR can be recorded by the data recorder. The satellite has three modes of operation in a recurrent period of 35 days as standard, 3 days, and 176 days flying at an altitude of 780 km in a solar-synchronous orbit with an inclination of 98.5.

■Sensor

Synthetic Aperture Radar(AMI)

■Product level

L1

■Resolution

30m

■Product Area

Africa Volta river

7.2 Topic Category(ISO19139)

geoscientificInformation

7.3 Temporal Extent

Begin Date	1991-12-10

End Date	2000-03-10

7.4 Geographic Bounding Box

North bound latitude	10
West bound longitude	-5
Eastbound longitude	5
South bound latitude	0

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

ERS : https://earth.esa.int/web/guest/missions/esa-operational-eo-missions/ers

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