


Spatio-Temporal Image Data Archive of 3.11 Earthquake and Tsunami Disasters and Recoveries

1. IDENTIFICATION INFORMATION

Name	Spatio-Temporal Image Data Archive of 3.11 Earthquake and Tsunami Disasters and Recoveries
Edition	1.0
Abbreviation	3.11 Image Archive
Metadata Identifier	TU_ImageArchive_311Tsunami_Disaster_and_Recovery20230727094220-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

Name	DIAS Office
Organization	Japan Agency for Marine-Earth Science and Technology
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3. DOCUMENT AUTHOR

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4. DATASET CREATOR

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

publication : 2019-03-01

7. DATASET OVERVIEW

7.1 Abstract

From April of 2011, we have been continuing to obtain video records of Tohoku coastal area Tsunami disasters of the 3.11 Great East Japan Earthquake for more than 6 years. We installed omni-directional cameras, Ladybug3 and Ladybug5, and GPS on a special car, and visited same disaster areas repeatedly at every one or two months. Along the Tohoku coastal area of total 500km length, we have recorded omni-directional high-resolution images at every 1 or 2m steps. The aim of his activity is to achieve a comprehensive spatio-temporal image data archive of 3.11 Earthquake and Tsunami Disasters and Recoveries.

7.2 Topic Category(ISO19139)

imageryBaseMapsEarthCover

society

transportation

utilitiesCommunication

location

7.3 Temporal Extent

Begin Date	2011-04-18
End Date	2017-04-07
Temporal Characteristics	almost monthly whenever it is necessary

7.4 Geographic Bounding Box

North latitude	bound	40.546844
West longitude	bound	140.763131
Eastbound longitude		142.069998
South latitude	bound	37.769434

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Disasters	GEOSS
theme	Maps/Charts/Photographs > STEREOGRAPHIC PHOTOGRAPHS	GCMD_platform
theme	Human Dimensions > Natural Hazards > Earthquakes, Human Dimensions > Natural Hazards > Tsunamis, Human Dimensions > Infrastructure > Buildings, Land Surface > Land Use/Land Cover > Land Cover, Spectral/Engineering > Platform Characteristics > Viewing Geometry, Spectral/Engineering > Platform Characteristics > Data Synchronization Time	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

At the above link site, the descriptions about the research project for this data is shown. The detail usages of the data is shown in the User-Manual page on this data-base. : http://www.vision.is.tohoku.ac.jp/jp/research/east_japan_earthquake_image_archive/

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:557>

7.9 Data Environmental Information

Please refer the User-Manual of this data-set.

7.10 Distribution Information

name	version	specification
PGR (Ladybug) Format	v.1.16	Point Grey Research, Ladybug Data Format

8. DATA PROCESSING

8.1 Data Processing (1)

8.1.1 General Explanation of the data producer's knowledge about the lineage of a dataset

One scene image data is consisting of 6 images, 5 of horizontal azimuth images and one up-ward image. SDK(Software Development Kit) for Ladubug images to stich them into an 360 degree around image and handle it is provided by Point Grey Corp. only for non-commercial researches.

8.1.2 Data Source

Data Source Citation Name	Description of derived parameters and processing techniques used
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9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

Use of the data is permitted freely, if the object is for the research purposes and without any change of the original data.

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

[Example of description in acknowledgements] The image data used in this research is composed by Deguchi and Okatani Lab. of Tohoku University, Japan, in their "Spatio-Temporal Image Data Archive of 3.11 Earthquake and Tsunami Disasters and Recoveries Project." We acknowledge the publication of this data and its permission of use for reserches by them.

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

http://www.vision.is.tohoku.ac.jp/jp/research/4d_model/