



# Urban roughness database in JAPAN

## 1. IDENTIFICATION INFORMATION

Name	Urban roughness database in JAPAN
Edition	ver.2.0
Metadata Identifier	Urban_roughness20230727070353-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

Name	Kanda lab.
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## 5. DATE OF THIS DOCUMENT

2023-07-27

## 6. DATE OF DATASET

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revision : 2014-03-31

## 7. DATASET OVERVIEW

### 7.1 Abstract

This is the urban roughness database in JAPAN, roughness length for momentum, displacement height, and sky view factor with 0.01 degree spatial resolution.

### 7.2 Topic Category(IS019139)

climatologyMeteorologyAtmosphere

### 7.3 Temporal Extent

Begin Date	2013-12-24
End Date	Under Continuation

### 7.4 Geographic Bounding Box

North latitude bound	45.52
West longitude bound	124.14
Eastbound longitude	153.98
South latitude bound	24.34

### 7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	XX	0.01 (deg)
column	XX	0.01 (deg)

### 7.6 Geographic Description

### 7.7 Keywords

#### 7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Land Surface > Topography > Surface Roughness	GCMD_science

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## 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

You can download the data with the following URL. : [https://dl.dropboxusercontent.com/u/76785677/Kanda\\_lab\\_urban\\_morphological\\_database.zip](https://dl.dropboxusercontent.com/u/76785677/Kanda_lab_urban_morphological_database.zip)

You can download the data from DIAS : <https://data.diasjp.net/dl/storages/filelist/dataset:213>

## 7.9 Data Environmental Information

### 7.10 Distribution Information

name	version	specification
csv	ver2.0	longitude, latitude, meshID, value

## 8. DATA PROCESSING

## 9. DATA REMARKS

## 10. DATA POLICY

### 10.1 Data Policy by the Data Provider

This is the temporal version. We Person who want to use the data should contact us with your affiliation, and purpose.

[kanda.m.aa@m.titech.ac.jp](mailto:kanda.m.aa@m.titech.ac.jp)

Professor

Manabu Kanda

### 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.

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## 11. LICENSE

## 12. DATA SOURCE ACKNOWLEDGEMENT

### 12.1 Acknowledge the Data Provider

Takuya MAKABE, Makoto NAKAYOSHI, Alvin VARQUEZ, and Manabu KANDA: DATABASE OF METEOROLOGICAL URBAN GEOMETRIC PARAMETERS OF JAPAN AND EXTENSION TO GLOBAL SCALE, The 58th conference on Hydraulic Engineering, 2014

### 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