

Rainstorm and flood disaster in Tianjin

Data Documentation

I. Dataset/atlas content features

i.Abstract

The main content of the rainstorm flood disaster in Tianjin is the major storms and floods from 1949 to 2018, mainly including the time or time period of rainstorms and floods in Tianjin, the extent of rainfall, heavy rains and floods (the depth of water in the city, the residents' homes) The number of water users and the number of water accumulated in the road).

ii.Elements (content fields)

Table 1 Description of data element content

Data name	Item (field)	Field name in Chinese	Field measure unit	Field code description	Remarks
Rainstorm and flood disaster in Tianjin	Time	Shijian			
Rainstorm and flood disaster in Tianjin	Rainfall	Jiangyuliang	mm		
Rainstorm and flood disaster in Tianjin	Degree	Chengdu			

iii.Temporal cover

The time of this dataset is 1949.07 - 2018.07.12

iv.Spatial cover

Tianjin urban area.

II. Subject/industry scope of dataset/atlas

i.Subject scope

170 Geosciences 17015 Atmosphere Science 1701535 Climatology
 560 Civil Engineering and Building Construction 56015 Basic Disciplines of Civil Engineering and Building Construction 5601530 Architectural Meteorology
 560 Civil Engineering and Building Construction 56055 Municipal Engineering
 570 Hydraulic Engineering 57065 Flood Control 5706510 Flood Control
 5706520 Flood Prevention
 610 Environmental Science and Technology and Resource Science and Technology, 61010 Basic Science of Environmental Science and Technology, 6101025 Environmental Meteorology.

ii.Industry scope

F Transportation, Warehousing and Postal Services, 51 Railway Transportation Industry 52 Road Transportation Industry 53City Public Transportation Industry 54 Water Transportation Industry
 55 Air Transportation Industry
 M Scientific Research, Technical Services and Geological Prospecting Industry, 7610 Meteorological Services 7673 Planning Management
 N Water Conservancy, Environment and Public Facilities Management Industry, 7910 Food Control Management 8110 Municipal Public Facilities Management

III. Dataset/atlas storage management

i.Data quantity

0.0140MB

ii.Type format

The dataset is stored in the hard disk and it is table data

iii.Update management

Dataset update plan: Aperiodic updating.

IV. Quality control of the dataset/atlas

i.Production mode

Data of rainstorm and flood in Tianjin in (1950-2018) was obtained based on

Tianjin Meteorological Service <http://www.tjwx.gov.cn/>

China Meteorological Calamity Code (Tianjin volume)

China Meteorological Disaster Yearbook and electronic, digital, integrated conversion, standardized processing, computational simulation.

ii.Data sources (condition selection)

Source of data source:

Tianjin Meteorological Service <http://www.tjwx.gov.cn/>

Wen Ke gang. China Meteorological Disaster code (Tianjin volume) [M]. Meteorological Press, 2008: beginning and ending page number.

Wenjie Dong .China Meteorological Disaster Yearbook (2006)[M].Beijing:Meteorological Press.2007.2

Ziniu Xiao.China Meteorological Disaster Yearbook (2008)[M].Beijing:Meteorological Press.2008.12

Ziniu Xiao.China Meteorological Disaster Yearbook (2009)[M].Beijing:Meteorological Press.2009.11

Lianchun Song.China Meteorological Disaster Yearbook (2010)[M].Beijing:Meteorological Press.2010.11

Lianchun Song.China Meteorological Disaster Yearbook (2013)[M].Beijing:Meteorological Press.2013.12

Lianchun Song、Yida Fan.China Meteorological Disaster Yearbook (2014)[M].Beijing:Meteorological Press.2015.7

Lianchun Song.China Meteorological Disaster Yearbook (2015)[M].Beijing:Meteorological Press.2016.11

iii.Methods of the data acquisition and processing (condition selection)

Acquisition method: Book sorting on the net and field survey.

Processing method: Data registration and Object-oriented classification method.

V. Sharing and usage method of the dataset/atlas

i.Sharing methods and restrictions

Fully opened sharing

ii.Contact information of the sharing service (condition selection)

Contact Information for Service: Editorial board of the China Meteorological Calamity code

iii.Conditions and methods of usage

The dataset can be read by excel software

VI. Intellectual property rights of the dataset/atlas

i. Property rights (optional)

The property of the dataset belongs to the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences.

ii. Reference method of the dataset/atlas

Rainstorm and flood disaster in Tianjin. Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO, 2020.08.01

iii. Usage contacts of the datasets/atlas

Name: Service group of Disaster Risk Reduction Knowledge Service System of IKCEST

Address: A11 Datun Road, Chaoyang District, Beijing .

Postcode: 100101

Telephone: 010-64889048-8006

Email: ikcest-drr@lreis.ac.cn

VII. Others (optional)

In addition to the above, other information must also be explained.

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