

## **Rainstorm and Flood Disaster in Guangzhou 1950~2015**

### **I. Dataset/atlas content features**

#### **i. Abstract**

Rainstorm and Flood Disaster in Guangzhou 1950~2015 mainly covers the major rainstorm and flood disasters since 1950, mainly including the time, date, location, rainfall and disaster degree of rainstorm and flood in Guangzhou.

#### **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 Guangzhou | Date         | Shijian               |                    |                        |         |
| Rainstorm and Flood Disaster in Guangzhou | Location     | Quwei                 |                    |                        |         |
| Rainstorm and Flood Disaster in Guangzhou | Rainfall     | Jiangyuliang          | mm                 |                        |         |
| Rainstorm and Flood Disaster in Guangzhou | Description  | Zaiqingmiaoshu        |                    |                        |         |

#### **iii. Temporal cover**

The time of this dataset is 1950.11-2015.5.31

#### **iv. Spatial cover**

Guangzhou 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 53 City 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. Accuracy of dataset/atlas**

**i. Time frequency**

(Time frequency is the representation content of datasets/atlas' time frequency, such as multi-year average, average, monthly, daily, yearly, month by month, day or hour.)

**ii. Spatial reference, accuracy, and granularity**

(This part is the spatial reference, accuracy, and granularity of datasets/atlas. The spatial reference includes coordinate system, projection mode, elevation system, etc. Spatial accuracy means the vector data scale or raster data resolution, etc. Spatial granularity is in accordance with the continent, the state, province, county, and other divisions.)

**IV. Dataset/atlas storage management**

**i. Data quantity**

0.0126MB

**ii. Type format**

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

**iii. Update management**

Dataset update plan: Aperiodic updating.

**V. Quality control of the dataset/atlas**

**i. Production mode**

Data of rainstorm and flood in Guangzhou in (1950-2017) was obtained based on China Meteorological Calamity Code (Guangdong volume)

China Meteorological Disaster Yearbook(2005-2016) and electronic, digital, integrated conversion, standardized processing, computational simulation.

**ii. Data sources (condition selection)**

Source of data source:

Wen Kegang, Song Lili, Tang Haiyan, et al. China Meteorological Disaster Code (Guangdong volume). Beijing: Meteorological Press, 2005.12.

Dong Wenjie, Zhang Qiang, Guo Jinxiu, et al. China Meteorological Disaster Yearbook (2005). Beijing: Meteorological Press.2006.1.

Dong Wenjie, Zhang Qiang, Guo Jinxiu, et al. China Meteorological Disaster Yearbook (2006). Beijing: Meteorological Press.2007.2.

Dong Wenjie, Zhang Qiang, Guo Jinxiu, et al. China Meteorological Disaster Yearbook (2007). Beijing: Meteorological Press.2007.12.

- Xiao Ziniu, Chen Yu, Gao Rong, et al. China Meteorological Disaster Yearbook (2008). Beijing: Meteorological Press.2008.12.
- Xiao Ziniu, Chen Yu, Gao Rong, et al. China Meteorological Disaster Yearbook (2009). Beijing: Meteorological Press.2009.11.
- Song Lianchun, Wang Ling, Zhao Shanshan. China Meteorological Disaster Yearbook (2010). Beijing: Meteorological Press.2010.11.
- Song Lianchun, Zhao Shanshan, Li Bo, et al. China Meteorological Disaster Yearbook (2011). Beijing: Meteorological Press.2012.3.
- Song Lianchun, Wang Youmin, Chen Xianyan, et al. China Meteorological Disaster Yearbook (2011). Beijing: Meteorological Press.2012.3.
- Song Lianchun, Liao Yaoming, Li Ying, et al. China Meteorological Disaster Yearbook (2012). Beijing: Meteorological Press.2013.9.
- Song Lianchun. Fan Yida, Song Yanling, et al. China Meteorological Disaster Yearbook (2013). Beijing: Meteorological Press.2013.12.
- Song Lianchu, Fan Yida, Song Yanling, et al. China Meteorological Disaster Yearbook (2014). Beijing: Meteorological Press.2015.7.
- Song Lianchun, Zhai Jianqing, Su Buda, et al. China Meteorological Disaster Yearbook (2015). Beijing: Meteorological Press.2016.11.
- Song Lianchun, Zhao Shanshan, Duan Juqi, et al. China Meteorological Disaster Yearbook (2016). Beijing: Meteorological Press.2016.12

**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.

**VI. 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 : No. 46, Zhongguancun South Street, Haidian District, Beijing

**iii. Conditions and methods of usage**

The dataset can be read by excel software

**VII. Intellectual property rights of the dataset/atlas**

**i. Property rights (optional)**

Dataset ownership information: Institute of Geographic Sciences and Natural Resources Research, CAS

**ii. Reference method of the dataset/atlas**

<Rainstorm and Flood Disaster in Guangzhou Dataset/Institute of Geographic Sciences and Natural Resources Research, CAS>

**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

**VIII. Others (optional)**

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

| Data documentation author information |   |             |                  |
|---------------------------------------|---|-------------|------------------|
| Data documentation author             | Wang Lantao                                       | Update time |                  |
| Organization                          | Wuhan university                                  |             |                  |
| Contact information                   | 15972116781                                       |             |                  |
| Address                               | Luojia mountain in Wuchang District, Wuhan, Hubei | Postcode    | 430061           |
| Telephone                             | 15972116781                                       | E-mail      | 894637137@qq.com |