



WORLD  
METEOROLOGICAL  
ORGANIZATION



# 全球灾害性天气监测月报

—2024年7月—

世界气象中心（北京）

2024年8月9日

## Global Disastrous Weather Report in July 2024

**Abstract:** In July 2024, the global high temperature weather is remarkable, Southern Europe, south part of Eastern Europe, West Asia, Central Asia, mid-west part of the United States, Mexico, Russia and other places suffered persistent high temperature heat wave and triggered forest fires and other secondary disasters, Southern Europe, south part of Eastern Europe, west part of the United States and other places of the highest temperatures at a number of stations exceeded the historical extreme values. Significantly more precipitation in South Asia, East Asia and Southeast Asia, with persistent heavy rainfall in India, Myanmar, Afghanistan and the Niger, triggering flash floods, mudslides and other secondary disasters. Four tropical cyclones were generated globally, less than half as many as in the same period of the year. Because of the successive impacts of Typhoon GAEMI and Typhoon PRAPIROON, continued heavy precipitation occurrence in the Philippines, resulting in urban flooding and casualties. Extremely heavy precipitation happened in southern China under the influence of Typhoon GAEMI.

# **1 Overview of global weather**

## **1.1 Temperature**

In July, the global average temperature in most regions was either close to the usual levels for that period or slightly higher, as indicated in Figure 1. Southern Europe, south part of Eastern Europe, central part of Russia, northern and central part of Africa, most of Asia, south part of Canada, south and west-central part of the United States, north part of Mexico of the daily maximum temperature of 35°C, some areas of the highest temperature reached 37 ~ 45 °C, north part of Africa, West Asia, south part of the United States, northwest part of Mexico of the highest temperature reached 46 ~ 50 °C, localities more than 50 °C. Southern Europe, south part of Eastern Europe, central part of Russia, southwest part of Canada, west part of the United States the temperature is higher than the same period of the year 2 ~ 4 °C, the local area is higher than 5°C. East part of Southern Europe, south part of Eastern Europe, central and southwest part of Russia, northwest part of Africa, the Arabian Peninsula, Southeast Asia, South Korea, Japan, southwest part of Canada, the mid-west part and east coast of the United States of the highest temperature breakthroughs in July historical extreme sites.

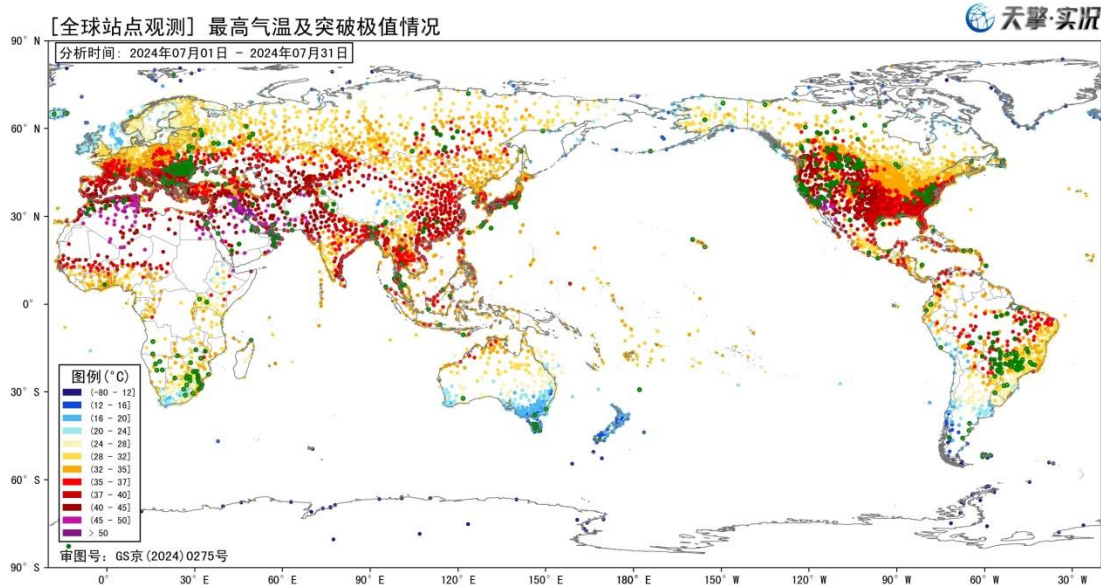


Fig.1 Distribution of Global Maximum Temperature in July 2024 (Unit: °C) and Distribution of Sites Breaking Historical Extreme Values during the Same Period(Green Circle)

## 1.2 Precipitation

In July, the main global heavy precipitation areas are located in east-central part of China, South Asia, Southeast Asia, the Far East, Japan, the Korean Peninsula, West Africa, Central Africa, Northern Europe, east part of the United States, Mexico, north part of South America. The accumulated precipitation in most of the above areas is 100 to 220 mm, including the southern coast of West Africa, Central Africa, north part of India, Nepal, Bangladesh, Myanmar, Vietnam, north part of China, the Korean Peninsula, Southeast part of the United States, Mexico, north part of South America of the accumulated precipitation of 250 to 400 mm, locally more than 500 mm, Huanghuai in China, Bangladesh, the Philippines up to 600 to 800 mm.

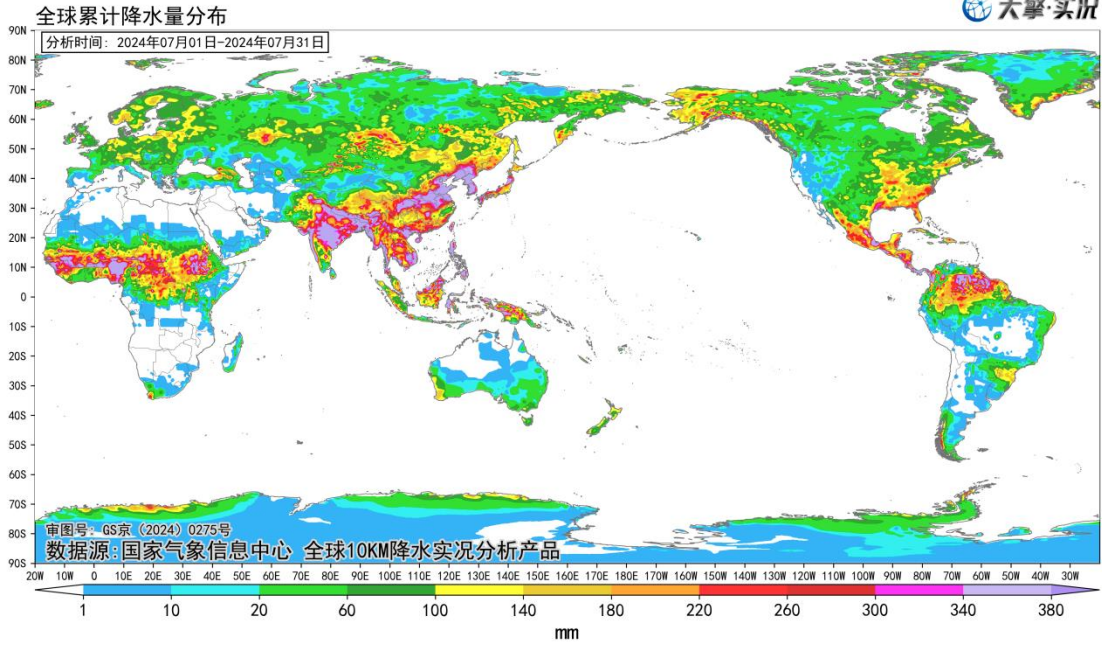


Fig.2 Distribution of global accumulated precipitation in July 2024 (unit: mm)

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