

News Release

JMA support for the smooth hosting of the Tokyo 2020 Olympic and Paralympic Games

16 July 2021

Japan Meteorological Agency (JMA)

The Japan Meteorological Agency will provide detailed weather forecasts and satellite imagery online to support the smooth hosting of this year's delayed Tokyo 2020 Olympic and Paralympic Games.

The Olympic Games will run from July 23 to August 8 and the Paralympic Games from August 24 to September 5 with essential reference to weather conditions for all competitions.

JMA will support the Games by providing information including:

- Weather forecasts and UV index data for individual event sites in English and Japanese
- Information in 15 languages for mitigation of disaster conditions relating to weather, earthquakes and other phenomena
- Detailed weather forecasts and meteorological satellite imagery for reference by the Tokyo Organizing Committee for the Olympic and Paralympic Games (TOCOG)
- Heat Stroke Alerts and other information enabling heat-related measures

See the annex for further details.

JMA action relating to the Tokyo 2020 Olympic and Paralympic Games

JMA's work in preparation for the Games is summarized below.

1. Provision of weather information via various channels including Tokyo 2020 Weather Portal

JMA will provide accessible weather information online and via other channels.

(1) Tokyo 2020 Weather Portal

JMA's online Tokyo 2020 Weather Portal was launched in July 2019 to provide up-to-date meteorological information, weather forecasts, precipitation nowcasts, UV index values and other information relating to individual event sites in English and Japanese. The resource can be easily accessed by event/site name and via a map online, and is also designed for smartphone access to serve the media, Games staff/athletes and other interested parties.

Tokyo 2020 Weather Portal

<https://www.data.jma.go.jp/tokyo2020/#lang=eng>



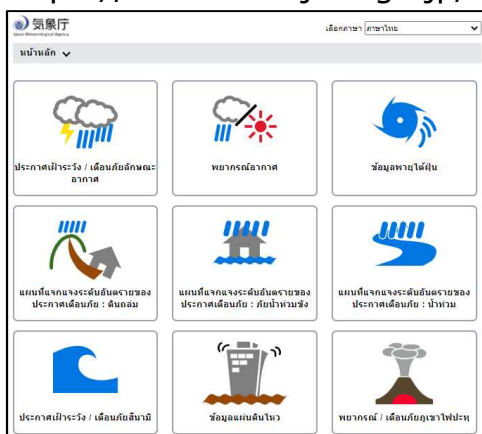
(2) Provision of online disaster mitigation information in 15 languages
JMA began providing online Real-time Risk Maps in 7 languages in July 2019, expanding the service to 15 languages* in April 2020. Information includes weather warnings, weather forecasts, tropical

cyclone information, Real-time Risk Maps, tsunami warnings, earthquake information and volcanic warnings.

*Japanese, English, Chinese (simplified and traditional), Korean, Spanish, Portuguese, Indonesian, Vietnamese, Tagalog, Thai, Nepali, Khmer, Burmese, Mongolian

Multilingual disaster mitigation information

<https://www.data.jma.go.jp/multi/index.html>



2. Contribution to Games management via information provision to TOCOG

JMA will provide detailed weather information to the Tokyo Organizing Committee for the Olympic and Paralympic Games (TOCOG).

(1) Detailed weather forecasts for individual event sites

Detailed meteorological forecasts for event sites and surrounding areas will be provided in consideration of weather-related influences on outdoor events such as sailing. Open-air sites are significantly affected by meteorological conditions such as wind direction, wind speed and temperature, and the data provided will help to ensure safe and fair competition management.

(2) Intensive Himawari observation and provision of related imagery

JMA's Himawari satellite will perform intensive observation of the Tokyo metropolitan area, where many of the Games sites are located, and provide TOCOG with imagery to quickly catch rapid development of cumulonimbus clouds. Such clouds can cause hazardous

thunderstorms, and the imagery will be utilized for safe operation of the Games. Some of the imagery will also be posted on the Tokyo 2020 Weather Portal for public access.

3. Provision of information supporting heat-related measures

JMA is working to enhance weather information supporting effective measures against extreme heat. The Agency's introduction of Two-week Temperature Forecasts in June 2019 was followed in March 2020 by enhanced resolution for Daytime High and Early-morning Low Temperature Distribution Forecasts. In collaboration with Japan's Ministry of the Environment, JMA introduced Heat Stroke Alerts in April 2021 to prompt countermeasures in expected hot conditions.

Heat Illness Risk Information

https://www.data.jma.go.jp/fcd/yoho/data/kouon/heat_illness.html