

Climate Extreme monitoring in TCC/JMA

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Tokyo Climate Center of Japan Meteorological Agency (TCC/JMA) has served as the WMO Regional Climate Center (RCC) since its designation in 2009.

TCC monitors climate extreme events in the world based on station data (SYNOP, CLIMAT), and issues reports weekly, monthly, seasonally and annually through the TCC web page (<http://ds.data.jma.go.jp/tcc/tcc/products/climate/index.html>).

In the monitoring in TCC, stations with totally longer than 8-years data are used for detecting extremes. This is to utilize as much data available as possible for monitoring. But then, satellite-based products have been used just as proxy for large-scale atmospheric heat source anomalies.

New satellites-based products like as GPM which was improved in spatial and temporal resolutions have become available recently.

To promote further use of satellite-based products in the operational monitoring, it would be one of important factors to improve accessibility to them with more functional interfaces in the web sites for satellite data provisions.