

Summary of 2005 Summer Climate in East Asia (Jun. - Sep. 2005)

1. Precipitation and temperature

The four-month total precipitation based on CLIMAT reports during June to September 2005, hereafter called “the summer season”, was above normal across southwestern Japan to the southern coast of China, in the Korean Peninsula and Shandong province in China, while below normal over eastern Mongolia to northern China. In June, precipitation was heavy across the Korean Peninsula to northeastern China and across southwestern Japan to southern China, while light over northern to western Japan and over Mongolia to northern China. In July, precipitation was heavy over Japan except its southwestern parts, while light in northern China. In August, precipitation was heavy across the Korean Peninsula to eastern China and in southern China, while light in western Japan and over Mongolia to northern China. In September, precipitation was heavy in the Korean Peninsula and Shandong province, while light from northern to eastern Japan, over Mongolia to northern China, and in southern China except its coastal areas.

The four-month mean temperature during the summer season was higher than normal over most of East Asia, and significantly high over eastern Mongolia to northern China. In June, temperature was high over most of East Asia, and significantly high across eastern Japan to northern and central China. In July, temperature was significantly high over Mongolia to northern China and in southern China, while low over northern Japan to northeastern China. In August, temperature was high in Japan, Mongolia, northern and southwestern China, while low in eastern China. In September, temperature was high most of East Asia, and significantly high across western Japan to China.

2. Baiu

The rainfall during the Baiu season over Japan was below normal in its western parts and significantly above normal in the southwestern parts. The beginning of the Baiu season was delayed in most of Japan except its southwestern parts. The end of the Baiu season was normal or earlier than normal in most of Japan except its southwestern and northern divisions.

3. Tropical cyclones

During the summer season, 15 tropical cyclones occurred over the western North Pacific, and the number of the occurrence is near normal, compared to the 1971-2000 average of 16.4. There were eight tropical cyclones causing damage to East Asia (Table 1). The typhoon “Talim”, which crossed southeastern China from 31 August to 2 September, led to more than 100 fatalities. In early September, typhoon “Nabi” hit Japan and caused severe damage such as 26 deaths and three missing people.

4. Noticeable weather-related disasters

Major weather-related disasters in East Asia, except related to tropical cyclones, during the summer season are as the following. In June, heavy rain in southern China led to more than 230 deaths. In early August, heavy rain caused by active Baiu front in the Republic of Korea led to 11 fatalities. In August, heavy rain, floods, and landslides occurred in Liaoning and Hubei provinces in China, resulting in over 50 deaths.

Table 1 Tropical cyclones which caused damage to East Asia during June to September 2005

Number	Name	Date (UTC)	Category ¹⁾	Min Pressure ²⁾ (hPa)	Max Winds ³⁾ (knots)	Fatalities ⁴⁾	Affected Countries
T0505	Haitang	7/13 - 7/20	TY	920	105	15	China
T0507	Banyan	7/21 - 7/28	STS	975	55	0	Japan
T0509	Matsa	7/31 - 8/7	TY	950	80	13	China
T0511	Mawar	8/19 - 8/28	TY	930	95	0	Japan
T0513	Talim	8/27 - 9/2	TY	925	95	over 100	China
T0514	Nabi	8/29 - 9/8	TY	925	95	26	Japan
T0515	Khanun	9/7 - 9/13	TY	945	85	14	China
T0518	Damrey	9/21 - 9/27	TY	955	80	over 120	the Philippines, China, Vietnam, Thailand, Lao P.D.R

1) Abbreviations of tropical cyclone categories

TS: Tropical Storm, STS: Severe Tropical Storm, TY: Typhoon

2) Estimated minimum central pressure**3) Estimated maximum 10-minute mean winds****4) The number of fatalities is based on media reports, except on reports from Japan Fire and Disaster Management Agency for cases in Japan.**