

Weather Summary of Macao (September 2008)

This month was hotter and drier than normal. The mean air temperature was 28.6 degree Celsius, being 1.3 degree higher than the normal. The mean maximum temperature was 32.8 degree Celsius, being 2.8 degree higher than the normal. Both were the highest in September since 1952. The mean minimum air temperature was 25.8 degree Celsius and was 0.9 degree higher than the normal. The maximum temperature of this month was 37.8 degree Celsius and was the highest since the beginning of this year. It was also the highest air temperature in September since 1963. The mean relative humidity was 67%, being 12% less than normal. It was also the lowest in September since 1966. Even though the rainfall of this month was less than normal, the accumulated rainfall since January was 2595.4 mm, being 656.7 mm above the normal.

In this month, 12 thunderstorm warnings were issued and 1 strong monsoon signal (black ball) was hoisted. Moreover, because of the visit of Typhoon \"Hagupit\", Tropical Cyclone Signals were hoisted from 22:00 of day 22 to 16:00 of day 24.

On day 1, under the influence of a hot airstream, it was fine apart from cloudy periods with a few thunderstorms. From day 2 to day 3, the Region was affected by a trough of low pressure over the South China coastal areas. On day 4 and day 5, the Region was affected by maritime airstreams. During this period, it was cloudy apart from sunny intervals, with showers and thunderstorms. Furthermore, waterspout was observed at day 2.

The easterly airstreams came into effect from day 6 to day 8. In day 6, it was cloudy apart from sunny periods, with occasional showers and thunderstorms. On day 7 and day 8, it became fine apart from cloudy periods, with showers and thunderstorms at times.

The hot airstream brought the hot and dry weather to the Region from day 9 to day 18. Meanwhile, it was mainly fine with some haze, also with a few thunderstorms on day 12 and day 17. At the end of day 18, under the influence of easterly airstreams, it became much cloudy with showers and thunderstorms. In day 19, it was cloudy apart from sunny periods, with occasional showers and thunderstorms.

From day 20 to day 22, under the hot subsiding air ahead of Hagupit, it was hot, dry and mainly fine with some haze. The maximum air temperature of the month, recorded on day 22, was 37.8 degree Celsius. As Hagupit was approaching to the Region, the Tropical Cyclone Signal No.1 was hoisted at 22:00 of day 22. At day 23, due to the further approaching of Hagupit, the amount of cloud increased and the winds intensified gradually. At 13:00, the Signal No. 3 substituted the Signal No. 1. At the same time, the rain became heavier. Signal No. 3 was substituted by Signal No. 8 NE at 19:15 and then by Signal No. 8 SE at 03:00 of day 24. After that, Hagupit was moving away from Macao gradually. The Signal No. 8 SE was substituted by Signal No. 3 at 09:30. At 16:00, all the Tropical Cyclone Signals were lowered. During the visit of Hagupit to Macao, it was cloudy, with showers and thunderstorms. Many places in Macao were serious flooded. The minimum air temperature and the highest daily precipitation of the month, which were 23.1 degree Celsius and 72.6 mm respectively, were recorded on the day 24. From 22:00 to 02:00 of day 25, the strong monsoon signal was hoisted because of the strong winds.

From day 25 to day 27, due to the departure of Hagupit, it turned to be affected by the easterly airstreams. It was cloudy, apart from sunny intervals, with some isolated showers on day 25. On day 26 and day 27, it was hot and mainly fine, with some showers and thunderstorms at the afternoon of day 27.

Since day 28, as an anticyclone controlled over the mainland China, it remained mainly fine and dry till the end of the month.

Some meteorological elements and their deviation from the 30-year mean (1971 - 2000)

Element	Valores registados		Deviation
Mean air temperature	28.6 °C	(a)	+1.3 °C
Mean maximum air temperature	32.8 °C	(b)	+2.8 °C
Mean minimum air temperature	25.8 °C		+0.9 °C
The month maximum of air temperature was 37.8 °C (c) recorded at the day(s) 22 and the month minimum was 23.1 °C recorded at the day(s) 24.			
Precipitation	164.6mm		-29.6mm
Precipitation accumulated from January	2595.4mm		+656.7mm
The month maximum daily precipitation was 72.6mm recorded at the day(s) 24.			
Mean relative humidity	67 %	(d)	-12 %
Evaporation	96 mm		-11 mm

Insolation	204.6 h	+ 22.4 h
Winds	Direction	Velocity
Mean Velocity	*****	12.2 km/h
Prevailling Winds	NNE	21 km/h
<div>(a) - Highest since the year 1952 (b) - Highest since the year 1952 (c) - Highest since the year 1963 (d) - Lowest since the year 1966</div>		