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The Weather of February 2025 - A February with close to normal temperature

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4 March 2025

The monthly mean temperature for February 2025 was 17.3 degrees, close to the normal of 17.1 degrees. The total rainfall recorded at the Hong Kong Observatory Headquarters in the month was 26.1 millimetres, about 33 percent below the normal of 38.9 millimetres. The accumulated rainfall in the first two months of the year was 30.3 millimetres, about 42 percent of the normal of 72.1 millimetres for the same period.

Under the influence of a relatively humid easterly airstream and with a band of clouds covering the coast of Guangdong, the weather of Hong Kong was mainly cloudy on the first two days of the month, with a few rain patches on the morning of 1 February and coastal mist the next morning. A cold front moved across the coastal areas and brought one or two rain patches on the morning of 3 February. Under the influence of the associated northeast monsoon, it was generally fine in the following two days, with a cold morning on 4 February. As a band of clouds gradually covered southern China, it became cloudier on the afternoon of 5 February and the next day.

An intense winter monsoon gradually affected the coast of Guangdong on 7 February, and brought cold and dry weather to Hong Kong in the following three days. The temperatures at the Observatory dropped to a minimum of 11.5 degrees on the morning of 8 February, the lowest of the month, and relative humidity over most parts of the territory fell below 40 percent on 8 – 9 February. With the band of clouds associated with the broad area of low pressure over the southern part of the South China Sea edging closer to the coastal areas on the afternoon of 11 February, it was mainly cloudy with some rain patches in the following four days. More than 10 millimetres of rainfall were recorded over most parts of the territory on 12 February. There were also fog patches on that day, and the visibility at Waglan Island once fell to around 200 metres.

While it was mainly cloudy with one or two light rain patches on the morning of 16 February, it became fine and warm during the day as the band of clouds covering the coast of Guangdong thinned out gradually. Under the influence of the northeast monsoon, the weather remained generally fine on 17 – 18 February. Affected by a band of clouds covering the coast of southern China, the weather turned cloudier in the following five days with one or two rain patches on 22 – 23 February.

With a replenishment of the monsoon reaching the coast of southern China on 23 February, the next morning was rather cool, and the weather turned fine and dry in the afternoon. Affected by a rain band and clouds associated with upper-air disturbances, the weather became mainly cloudy with one or two rain patches on 25 – 26 February. With the departure of the upper-air disturbances and the setting in of a maritime airstream, it was mainly fine during the day on 27 – 28 February. The weather was warm during the day on 28 February with the temperatures at the Observatory rising to a maximum of 25.4 degrees in the afternoon, the highest of the month.

There was no tropical cyclone over the South China Sea and the western North Pacific in February 2025.



Fog over Victoria Harbour on 12 February 2025 (Courtesy of Mag Yiu)



Fog in the vicinity of Ting Kau Bridge on 12 February 2025 (Courtesy of Kenneth Wong)

Details of issuance and cancellation of various warnings/signals in the month are summarized in Tables 1.1 to 1.2. Monthly meteorological figures and departures from normal for February are tabulated in Table 2.

Warnings and Signals issued in February 2025

Table 1.1 Fire Danger Warnings

Colour	Beginning Time		Ending Time	
	Day/Month	HKT	Day/Month	HKT
Yellow	2 / 2	0600	2 / 2	0840
Red	6 / 2	1145	6 / 2	2330

Red	8 / 2	0600	9 / 2	2300
Yellow	16 / 2	1145	16 / 2	1830
Yellow	23 / 2	0945	23 / 2	2330

Table 1.2 Cold Weather Warning

Beginning Time		Ending Time	
Day/Month	HKT	Day/Month	HKT
3 / 2	1620	4 / 2	1030
7 / 2	1620	10 / 2	0945
23 / 2	1945	24 / 2	1015

Table 2 Figures and Departures from Normal - February 2025

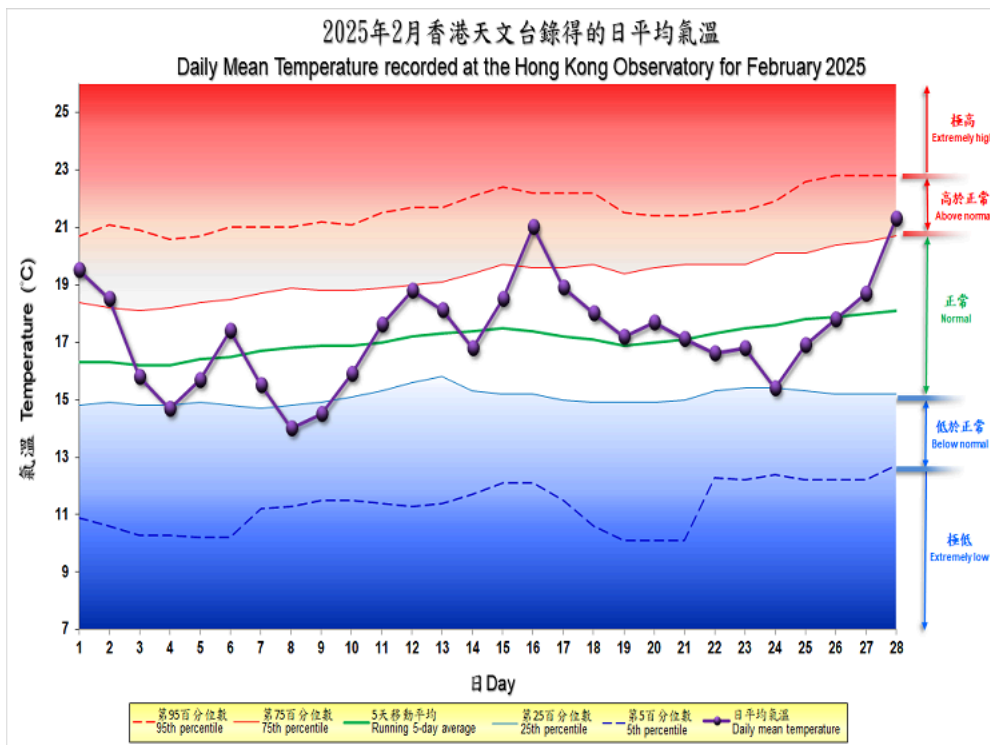
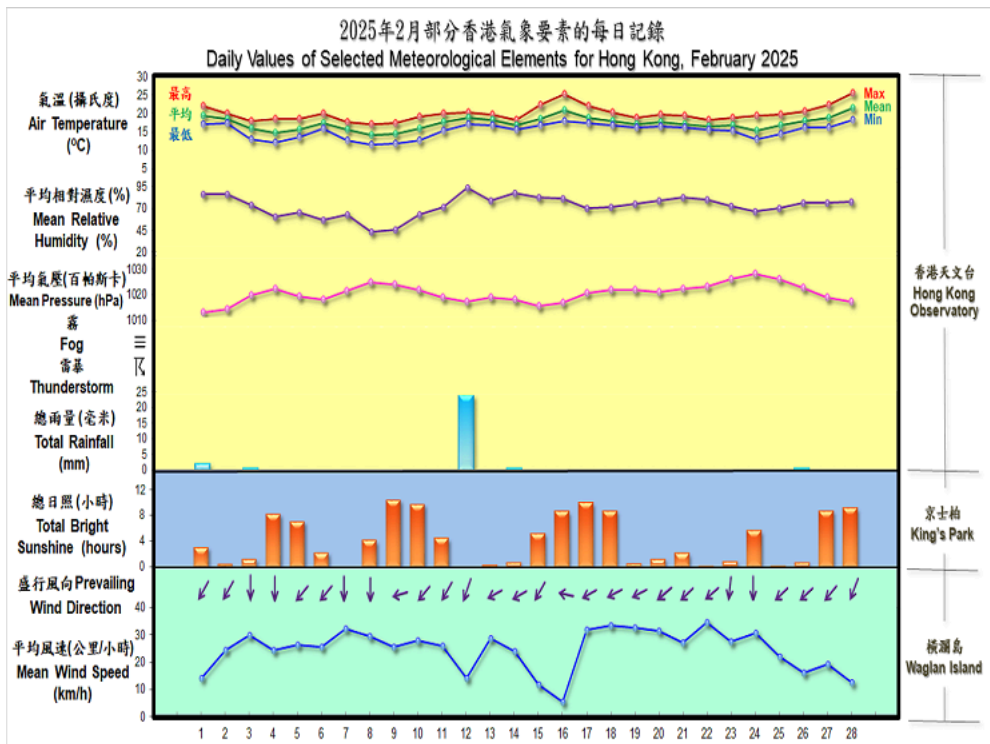
Meteorological Element	Figure of the Month	Departure from Normal*
Mean Daily Maximum Air Temperature	19.9 degrees C	0.5 degrees above normal
Mean Air Temperature	17.3 degrees C	0.2 degrees above normal
Mean Daily Minimum Air Temperature	15.3 degrees C	normal
Mean Dew Point Temperature	12.1 degrees C	1.1 degrees below normal
Mean Relative Humidity	73 %	6 % below normal
Mean Cloud Amount	72 %	normal
Total Rainfall	26.1 mm	12.8 mm below normal
Number of hours of Reduced Visibility ^Δ	18 hours	85.2 hours below normal [§]
Total Bright Sunshine Duration	113.1 hours	11.4 hours above normal
Mean Daily Global Solar Radiation	12.55 Megajoule / square metre	2.31 Megajoule above normal
Total Evaporation	74.0 mm	13.6 mm above normal

Remarks : All measurements were made at the Hong Kong Observatory except sunshine, solar radiation and evaporation which were recorded at King's Park Meteorological Station and visibility which was observed at the Hong Kong International Airport.

- Δ The visibility readings at the Hong Kong International Airport are based on hourly observations by professional meteorological observers in 2004 and before, and average readings over the 10-minute period before the clock hour of the visibility meter near the middle of the south runway from 2005 onwards. The change of the data source in 2005 is an improvement of the visibility assessment using instrumented observations following the international trend.
- Before 10 October 2007, the number of hours of reduced visibility at the Hong Kong International Airport in 2005 and thereafter displayed in this web page was based on hourly visibility observations by professional meteorological observers. Since 10 October 2007, the data have been revised using the average visibility readings over the 10-minute period before the clock hour, as recorded by the visibility meter near the middle of the south runway.

* Departure from 1991 - 2020 climatological normal, except for number of hours of reduced visibility

§ Departure from mean value between 1997 and 2024



Remarks : Extremely high: above 95th percentile
 Above normal: between 75th and 95th percentile
 Normal: between 25th and 75th percentile
 Below normal: between 5th and 25th percentile
 Extremely low: below 5th percentile
 Percentile and 5-day running average values are computed based on the data from 1991 to 2020

[Extract of Meteorological Observations in Hong Kong for February 2025](#)

