

A February with close to normal temperature

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 per cent below the normal of 38.9 millimetres. The accumulated rainfall in the first two months of the year was 30.3 millimetres, about 42 per cent 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 February 1 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 February 3. Under the influence of the associated northeast monsoon, it was generally fine in the following two days, with a cold morning on February 4. As a band of clouds gradually covered southern China, it became cloudier on the afternoon of February 5 and the next day.

An intense winter monsoon gradually affected the coast of Guangdong on February 7, 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 February 8, the lowest of the month, and relative humidity in most parts of the territory fell below 40 per cent on February 8 and 9. 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 February 11, 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 February 12. 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 February 16, 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 February 17 and 18. 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 February 22 and 23.

With a replenishment of the monsoon reaching the coast of southern China on February 23, 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 February 25 and 26. With the departure of the upper-air disturbances and the setting in of a maritime airstream, it was mainly fine during the day on February 27 and 28. The weather was warm during the day on

February 28 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.

Details of issuance and cancellation of various warnings/signals in the month are summarised in Table 1. Monthly meteorological figures and departures from normal for February are tabulated in Table 2.