



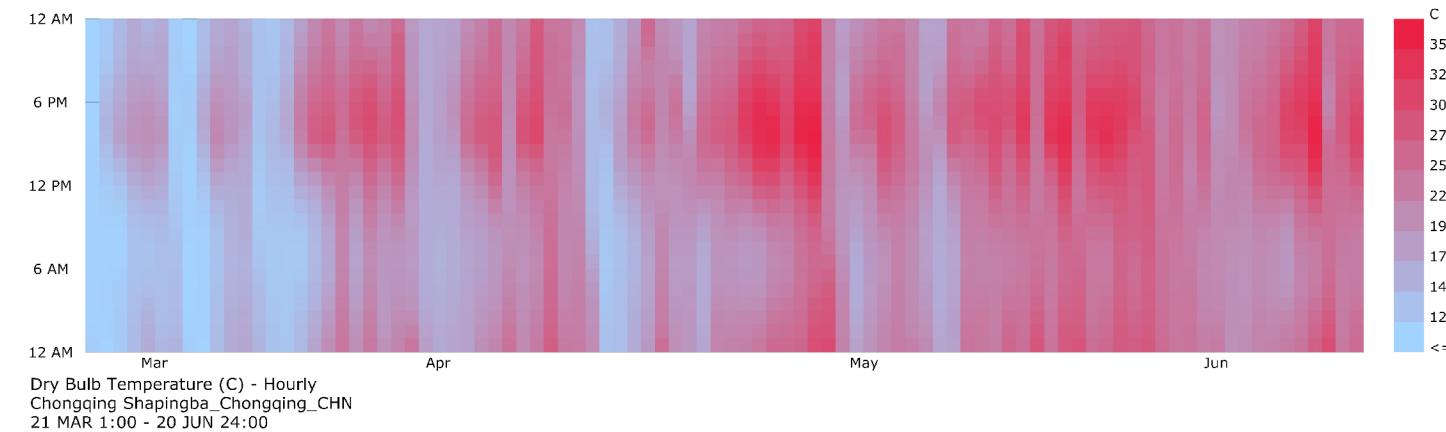
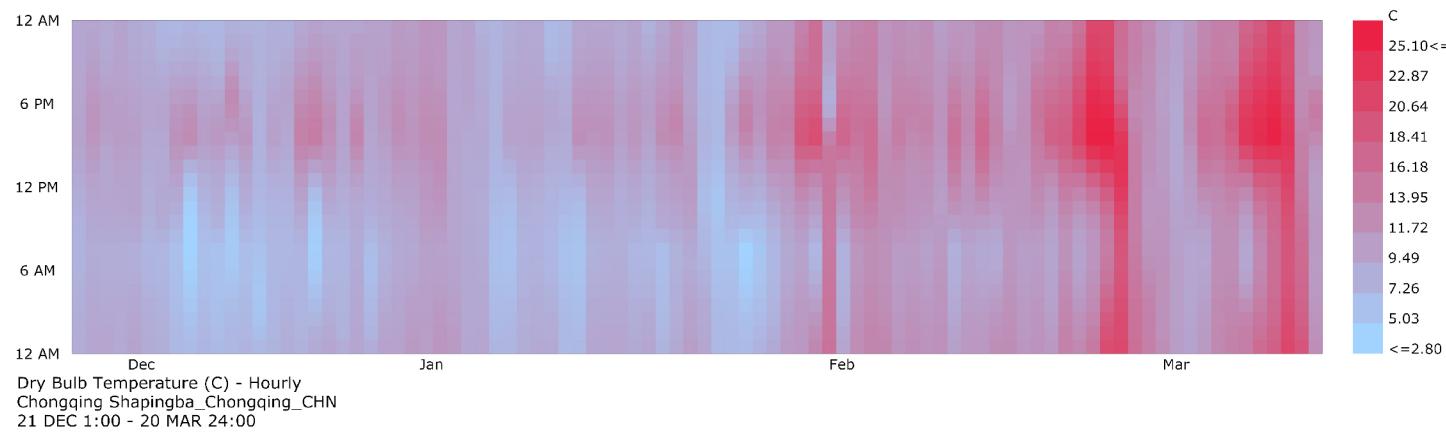
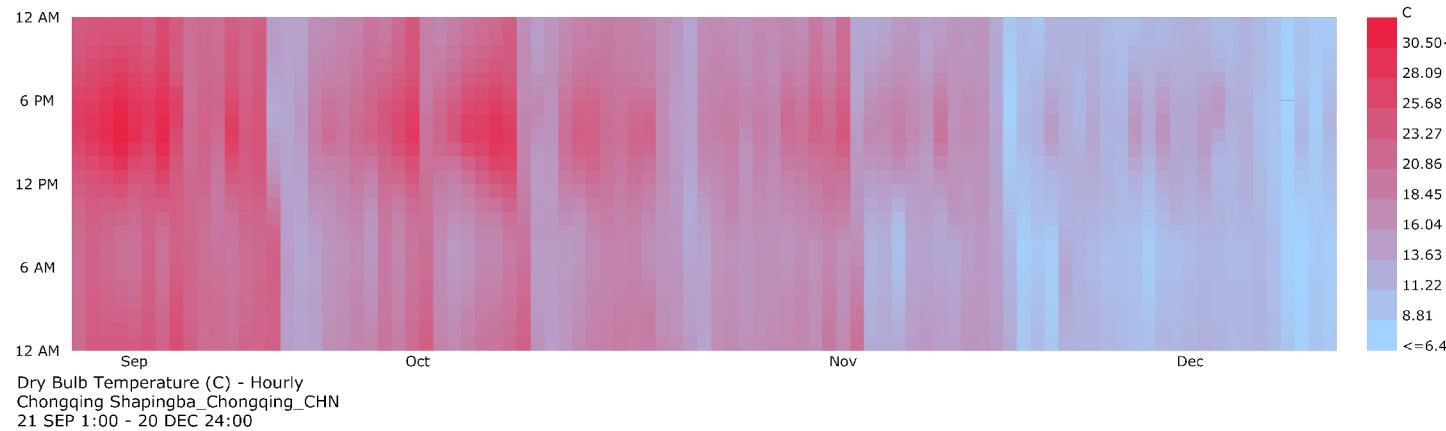
Chongqing(China) Climate Report

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2016 09 25

Location

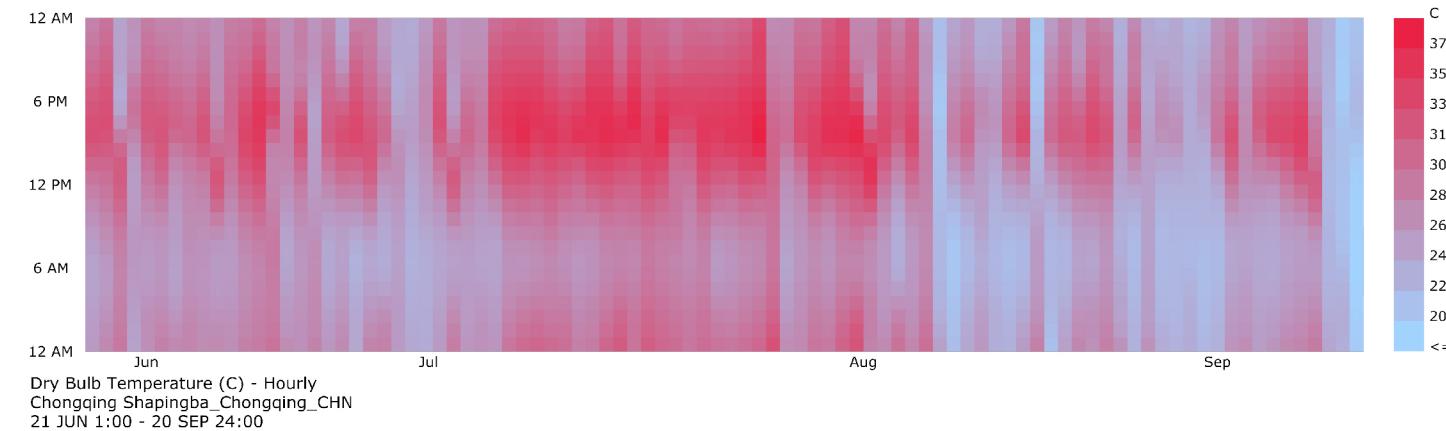


Temperature

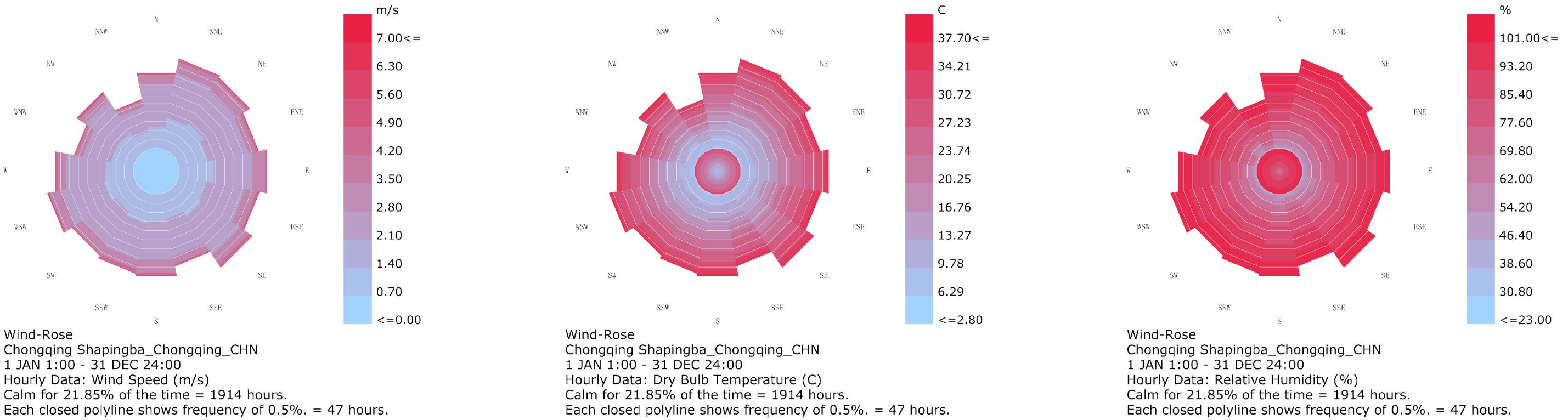


Chongqing is located in the subtropical climate zone. The climate belongs to the humid sub-tropical monsoon climate. Chongqing is known as one of the "three furnaces" of the Yangtze River Delta, the other two being Wuhan and Nanjing. It is also a foggy city. Late fall to early spring is the fog season. The average low temperature in winter is about 6 °C (43 °F). The average high temperature in summer is about 31 °C (90 °F).

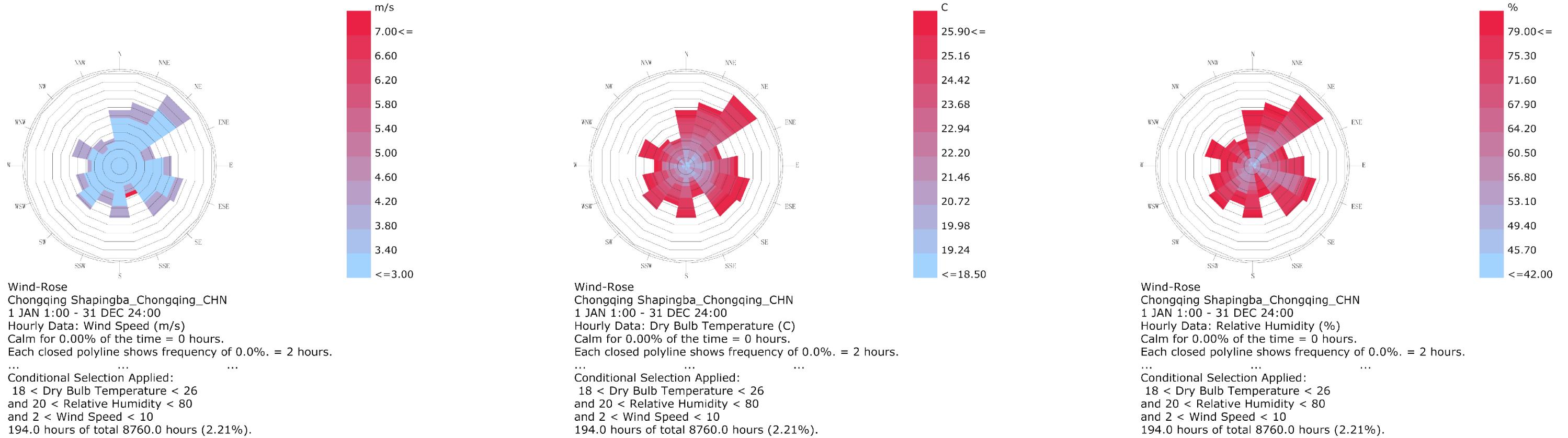
The annual average precipitation is about 1,400 mm (inches). When spring and summer meet, it often rains at night. Most days are foggy in winter and spring. The hottest months are also the rainiest months. In the summers, the rain, humidity and high temperatures makes the city uncomfortable. During the winter is probably too cold and bleak.



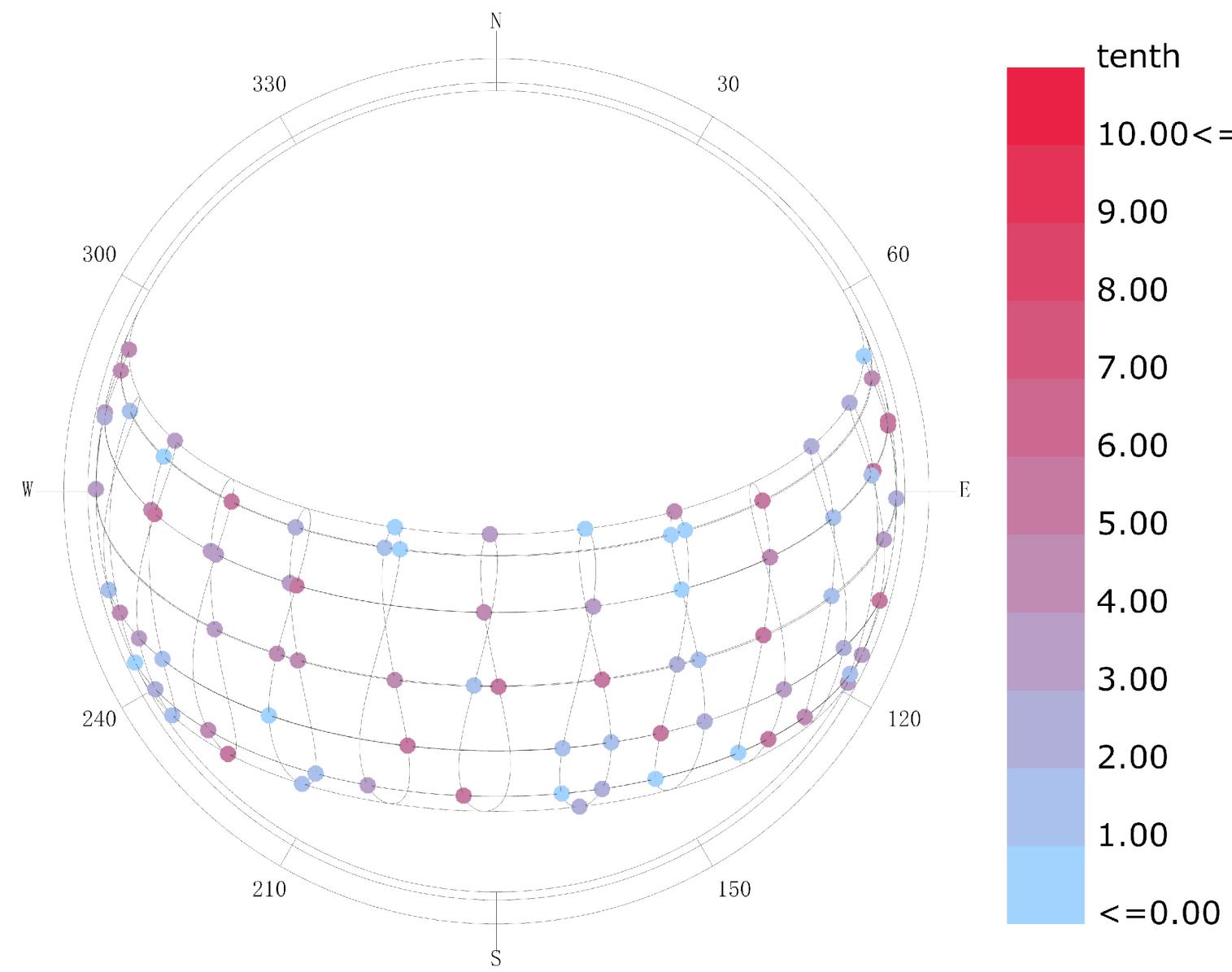
Wind



Wind



Sun Path



Sun-Path Diagram - Latitude: 29.58

Hourly Data: Total Cloud Cover (tenths)
Chongqing Shapingba_Chongqing_CHN

...
Conditional Selection Applied:
Total Cloud Cover < 6
83.0 hours of total 143.0 sun up hours(58.04%).

Recommendations

1. Strategies for hot weather in summer

Start with better orientation.

Design as few east-facing and west-facing windows as possible.

Keeping the windows shaded.

2. Strategies for ventilation

Natural ventilation is usually employed as a cooling strategy, the idea is to replace stuffy indoor air with cool outdoor air. In order for it to be most effective, the incoming air should be cooler and drier than the inside air, making this strategy most effective in milder climates, at night, or on cooler, drier days. Keep the house closed up on hot days and try to limit unwanted heat gains and then ventilate the house at night. In breezy locations, natural ventilation can be provided simply by opening screened windows. Plantings and fences can be used to help funnel breezes towards your house. If there isn't much wind, you'll need to provide mechanical ventilation with either window fans or a whole-house fan.

3. Strategies for dehumidification

Keep the building positively pressurized. When exhaust flow is greater than makeup air supplied, buildings are negatively pressurized, and numerous problems can occur, including temperature and humidity control problems, as untreated air is drawn into the building.