

Appendix G

Construction Dust Monitoring

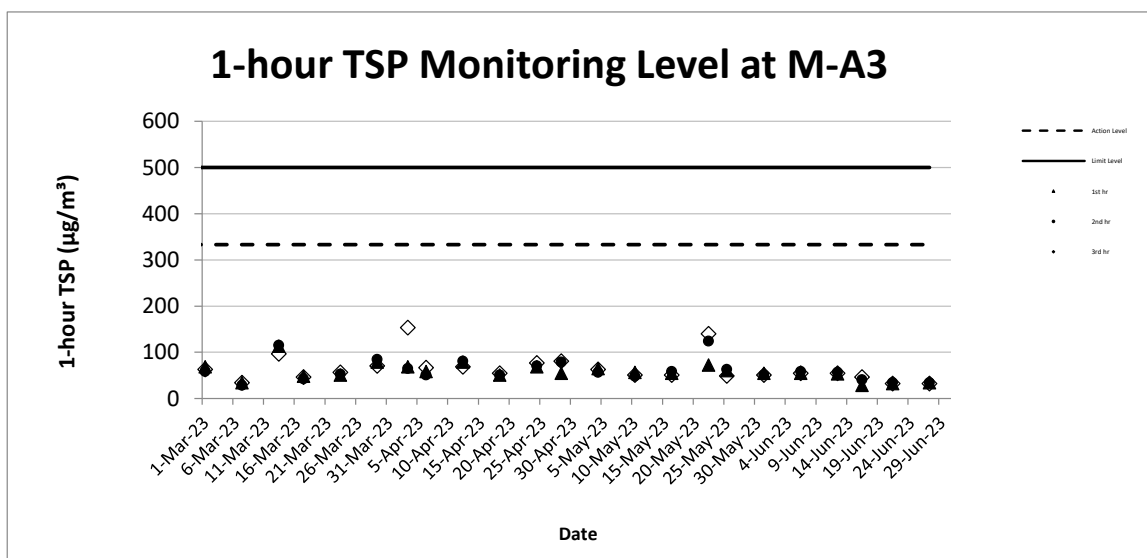
Results and Meteorological

Observations

1-hour TSP Monitoring Result for Contract No. HY/2018/08 Central Kowloon Route – Central Tunnel

M-A3 - SKH Tsoi Kung Po Secondary School

| 1-hour TSP ($\mu\text{g}/\text{m}^3$) | | | | | | | | |
|---|------------|--------|--------|--------|---------|--------------|-------------|---------|
| Date | Start Time | 1st hr | 2nd hr | 3rd hr | Average | Action Level | Limit Level | Weather |
| 6-Jun-23 | 9:25 | 54 | 58 | 54 | 56 | 333 | 500 | Cloudy |
| 12-Jun-23 | 12:12 | 53 | 56 | 54 | 55 | | | Sunny |
| 16-Jun-23 | 11:57 | 28 | 40 | 46 | 38 | | | Fine |
| 21-Jun-23 | 13:00 | 32 | 34 | 32 | 33 | | | Sunny |
| 27-Jun-23 | 12:42 | 34 | 34 | 32 | 34 | | | Sunny |
| Average | | 43 | | | | | | |
| Max | | 58 | | | | | | |
| Min | | 28 | | | | | | |



24-hour TSP Monitoring Result for Contract No. HY/2018/08 Central Kowloon Route – Central Tunnel

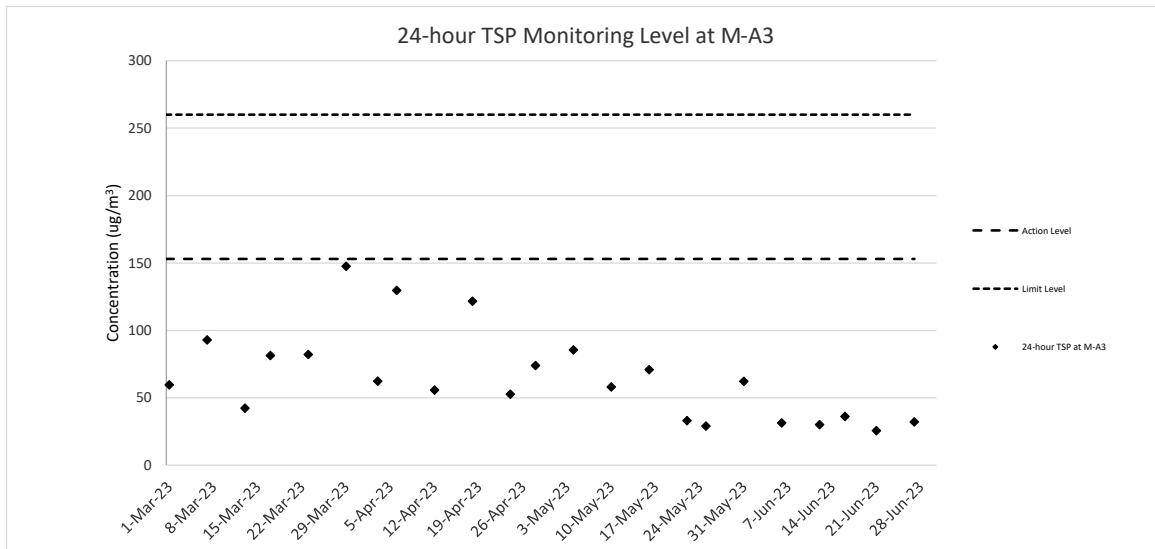
M-A3 - SKH Tsoi Kung Po Secondary School

| Start Date | Weather Condition | Air Temperature (K) | Atmospheric Pressure, Pa (mmHg) | Filter Weight (g) | | Particulate weight (g) | Sampling Time (hrs) | Flow Rate (m ³ /min.) | | Average flow (m ³ /min) | Total volume (m ³) | Conc. (ug/m ³) | Action Level (ug/m ³) | Limit Level (ug/m ³) |
|------------|-------------------|---------------------|---------------------------------|-------------------|--------|------------------------|---------------------|----------------------------------|-------|------------------------------------|--------------------------------|----------------------------|-----------------------------------|----------------------------------|
| | | | | Initial | Final | | | Initial | Final | | | | | |
| 6-Jun-23 | Cloudy | 301.4 | 755.9 | 2.7169 | 2.7703 | 0.0534 | 24 | 1.17 | 1.21 | 1.19 | 1710.8 | 31 | 153 | 260 |
| 12-Jun-23 | Sunny | 303.2 | 751.5 | 2.7331 | 2.7844 | 0.0513 | 24 | 1.16 | 1.21 | 1.19 | 1706.8 | 30 | | |
| 16-Jun-23 | Fine | 299.4 | 755.4 | 2.8246 | 2.8858 | 0.0612 | 24 | 1.17 | 1.19 | 1.18 | 1695.6 | 36 | | |
| 21-Jun-23 | Sunny | 303.2 | 755.6 | 2.8260 | 2.8698 | 0.0438 | 24 | 1.16 | 1.21 | 1.19 | 1708.7 | 26 | | |
| 27-Jun-23 | Sunny | 303.1 | 757.2 | 2.7149 | 2.7627 | 0.0478 | 24 | 1.01 | 1.07 | 1.04 | 1491.8 | 32 | | |
| | | | | | | | | | | | | Min | 26 | |
| | | | | | | | | | | | | Max | 36 | |
| | | | | | | | | | | | | Average | 31 | |

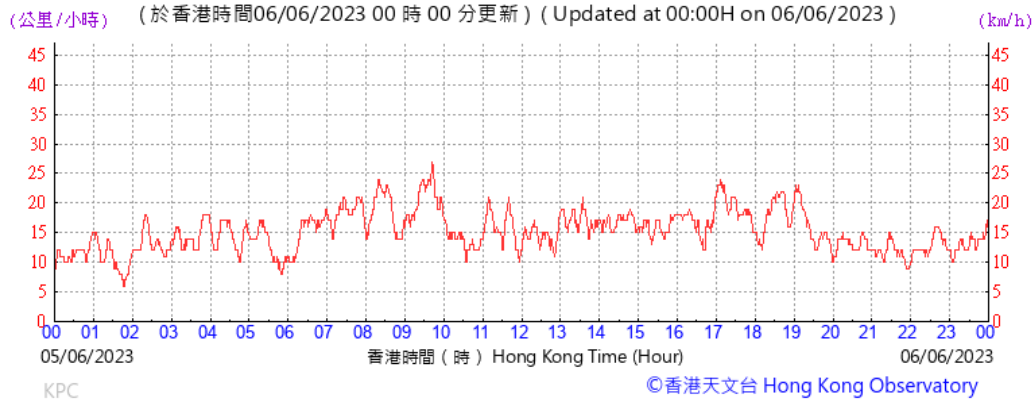
Note:

Underline: Exceedance of Action Level

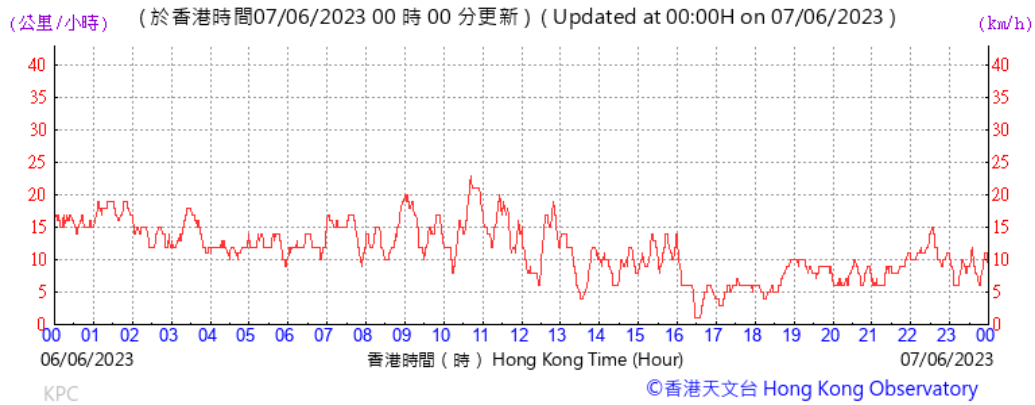
Underline and Bold: Exceedance of Limit Level



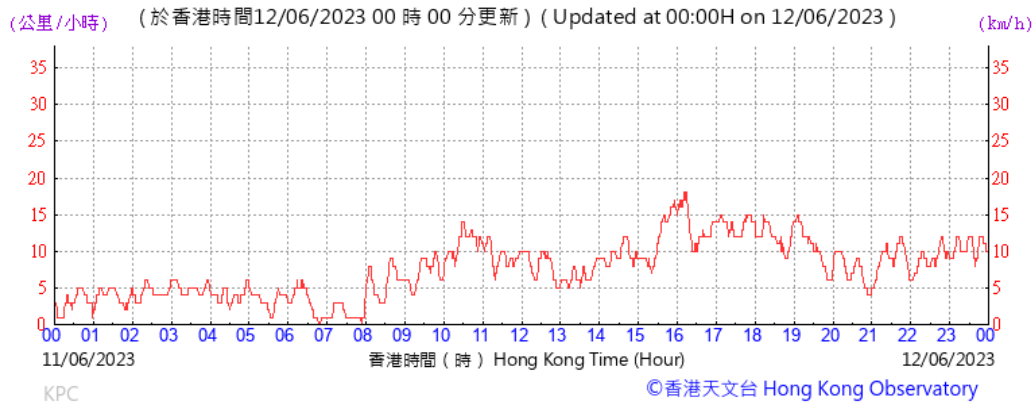
Wind Speed recorded at King's Park Meteorological Station on 6 June 2023



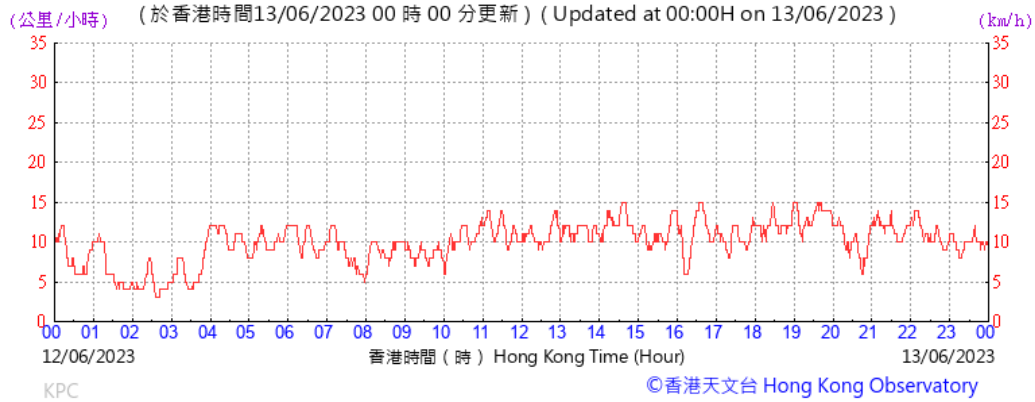
Wind Speed recorded at King's Park Meteorological Station on 7 June 2023



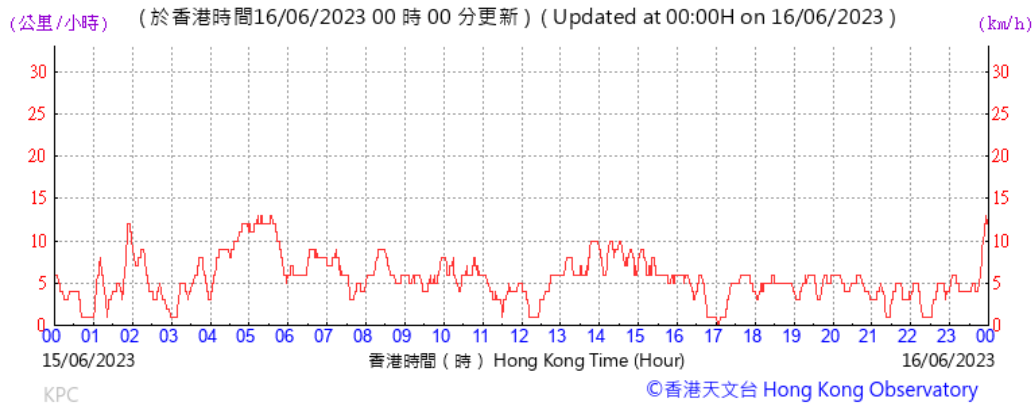
Wind Speed recorded at King's Park Meteorological Station on 12 June 2023



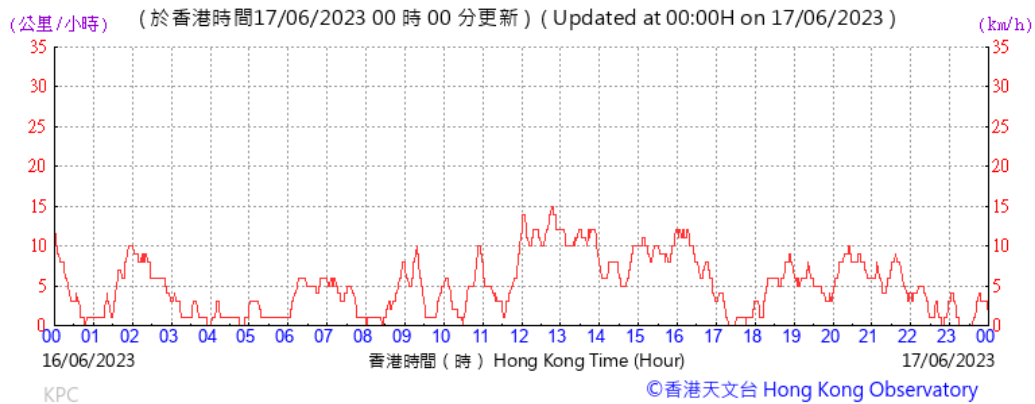
Wind Speed recorded at King's Park Meteorological Station on 13 June 2023



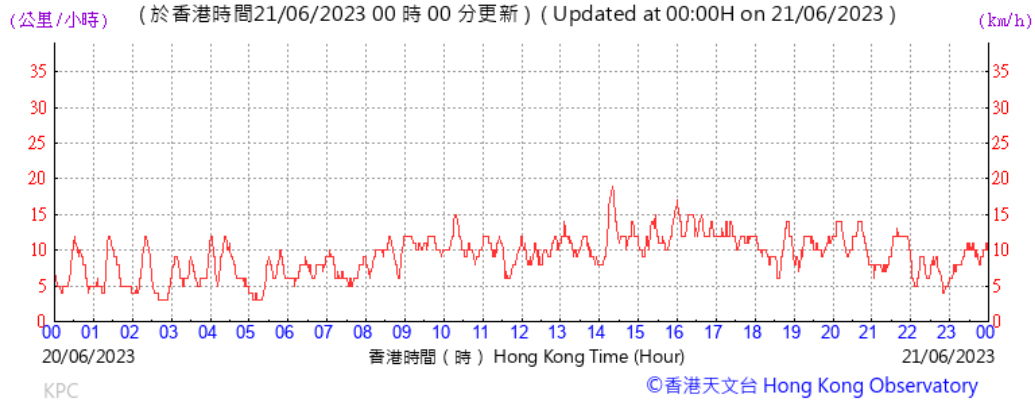
Wind Speed recorded at King's Park Meteorological Station on 16 June 2023



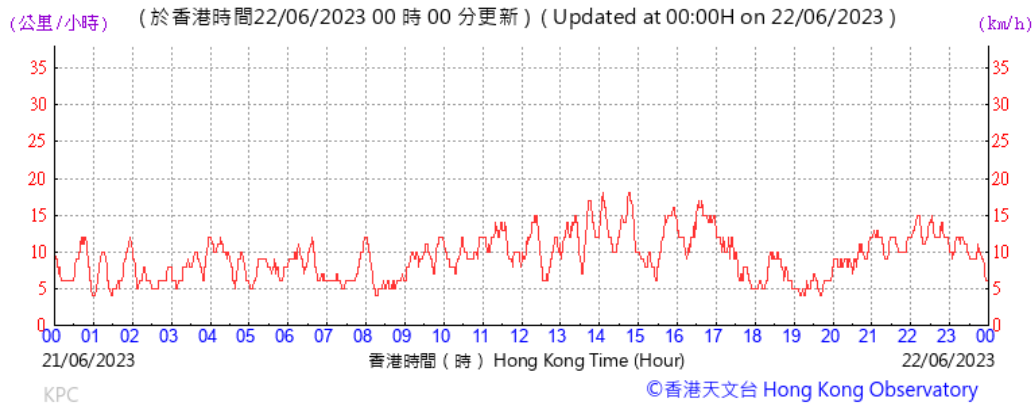
Wind Speed recorded at King's Park Meteorological Station on 17 June 2023



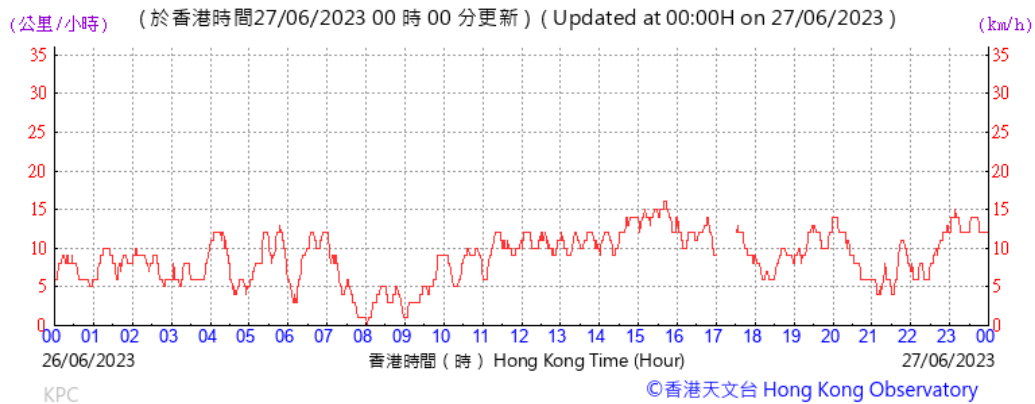
Wind Speed recorded at King's Park Meteorological Station on 21 June 2023



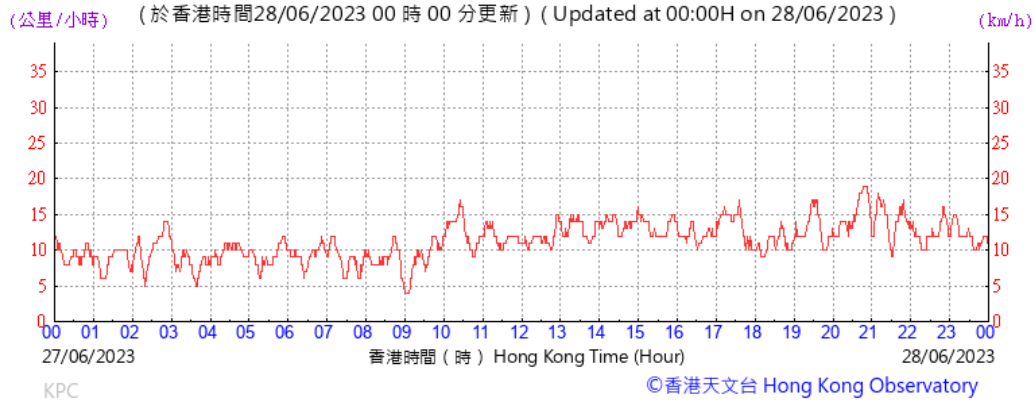
Wind Speed recorded at King's Park Meteorological Station on 22 June 2023



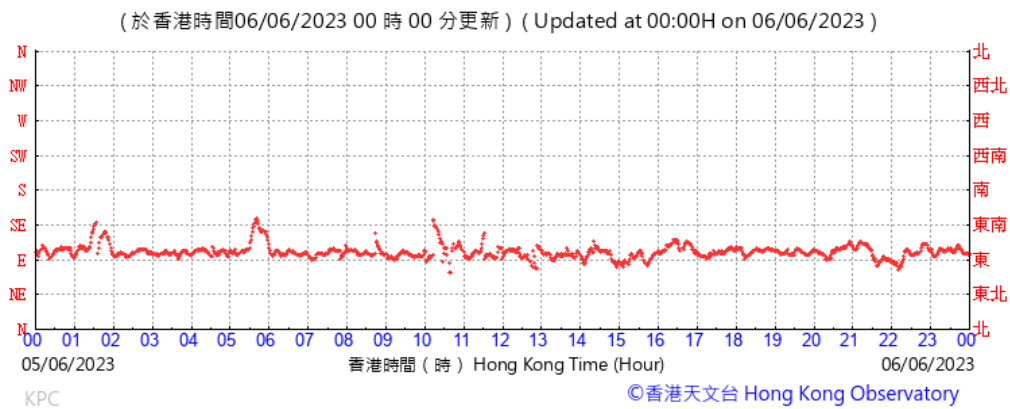
Wind Speed recorded at King's Park Meteorological Station on 27 June 2023



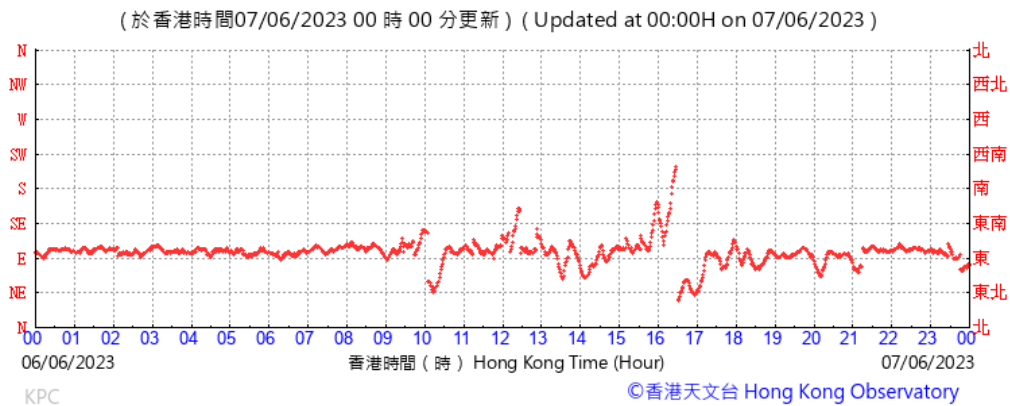
Wind Speed recorded at King's Park Meteorological Station on 28 June 2023



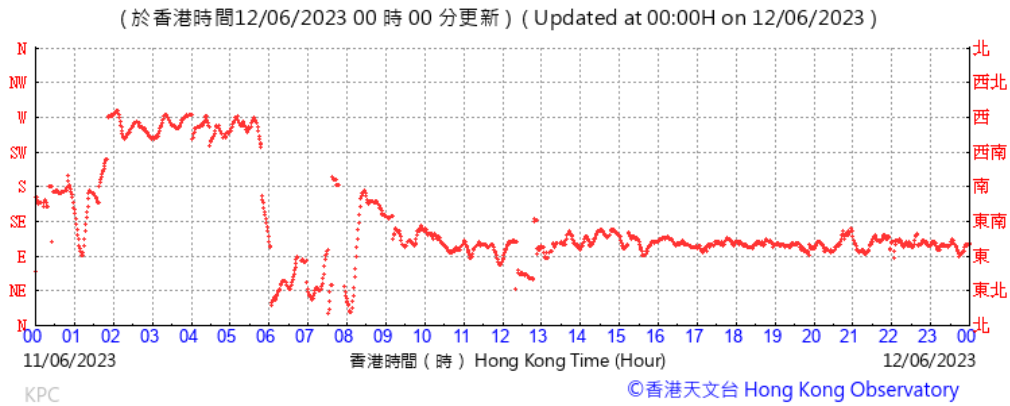
Wind Direction recorded at King's Park Meteorological Station on 6 June 2023



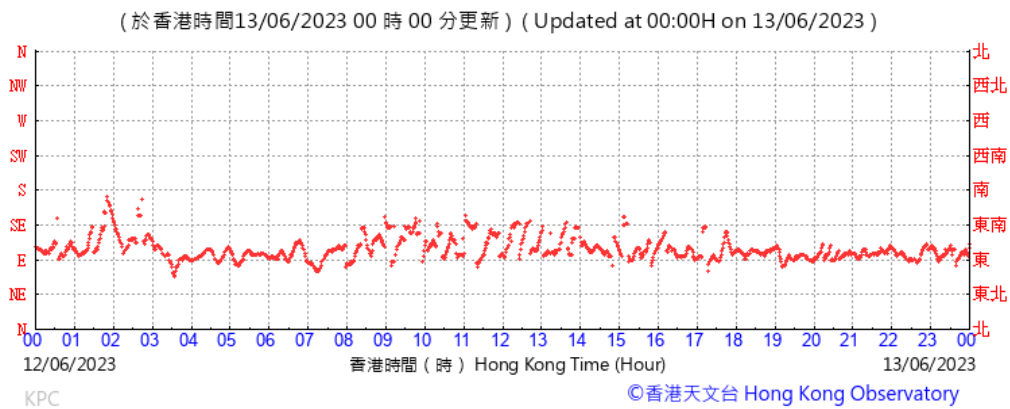
Wind Direction recorded at King's Park Meteorological Station on 7 June 2023



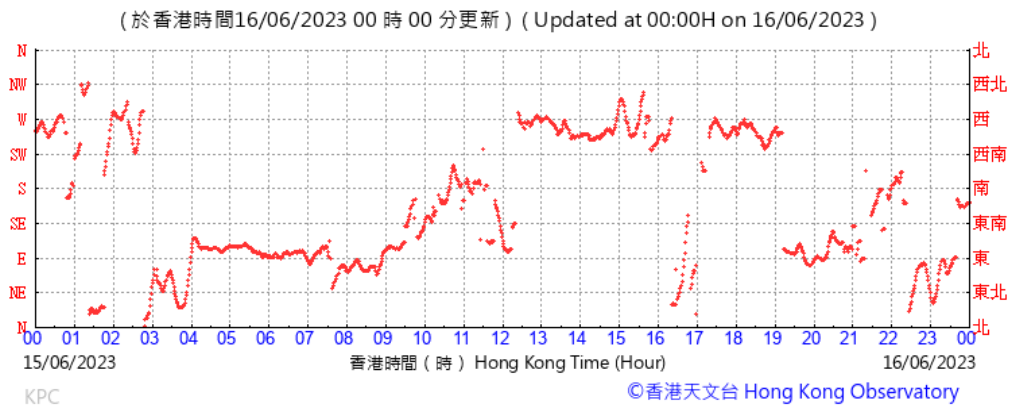
Wind Direction recorded at King's Park Meteorological Station on 12 June 2023



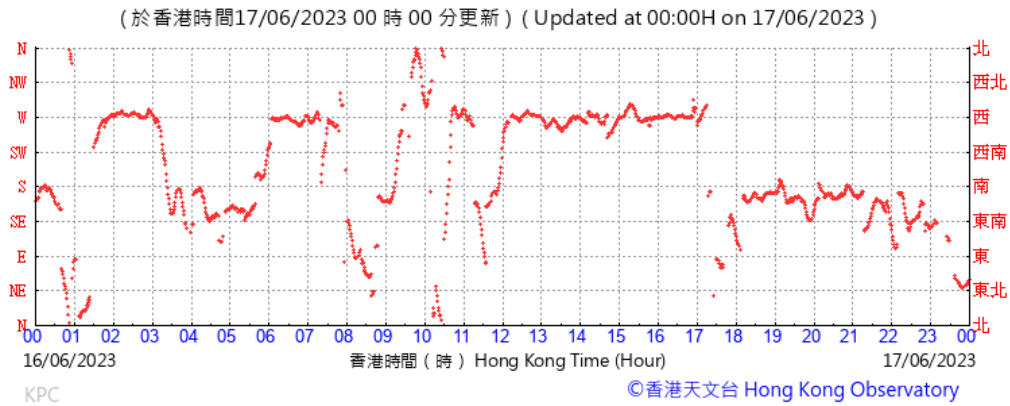
Wind Direction recorded at King's Park Meteorological Station on 13 June 2023



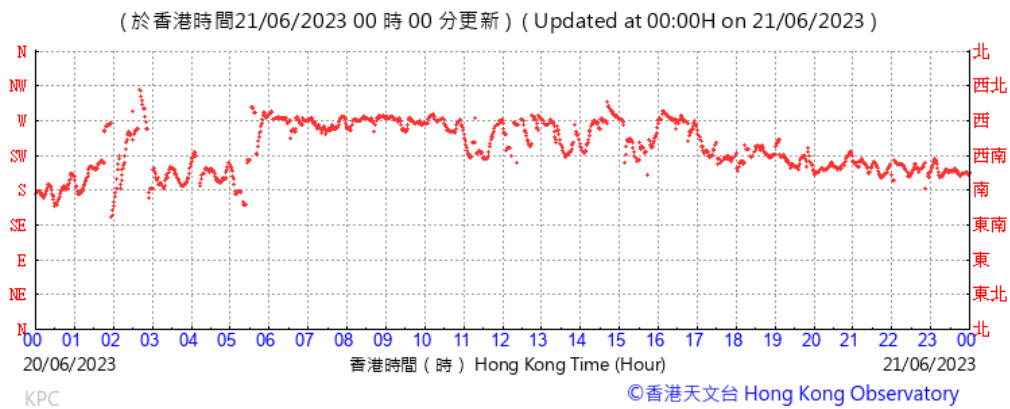
Wind Direction recorded at King's Park Meteorological Station on 16 June 2023



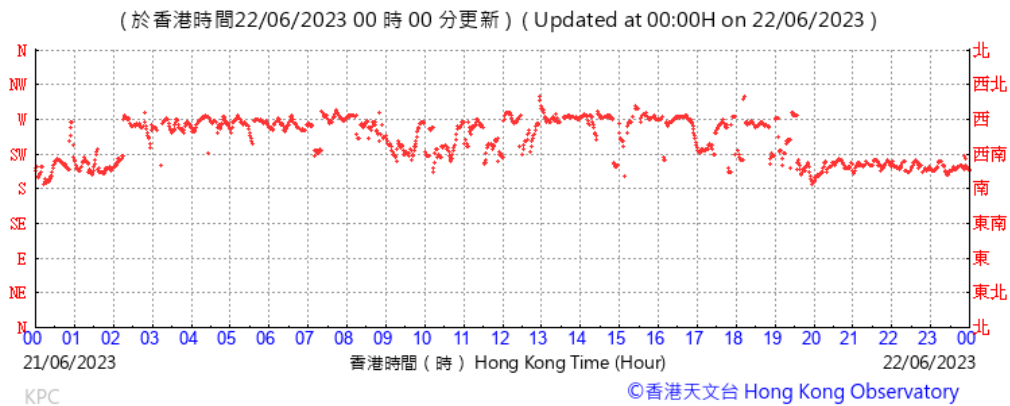
Wind Direction recorded at King's Park Meteorological Station on 17 June 2023



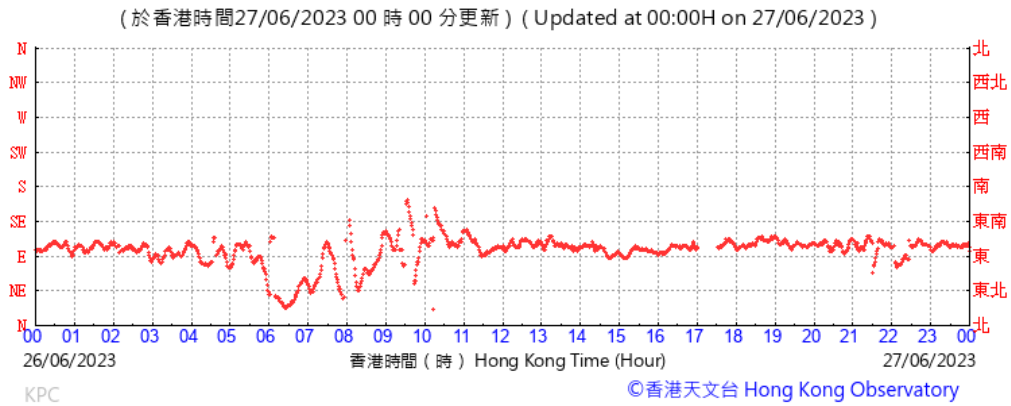
Wind Direction recorded at King's Park Meteorological Station on 21 June 2023



Wind Direction recorded at King's Park Meteorological Station on 22 June 2023



Wind Direction recorded at King's Park Meteorological Station on 27 June 2023



Wind Direction recorded at King's Park Meteorological Station on 28 June 2023

