**Table 3.** Daily (24-h), daytime (*Q\** > 0 W m−2), and night-time mean observed energy fluxes (unit: W m−2), which are down/upward short/longwave radiation (*K↓*, *K↑*, *L↓*, *L↑*), net radiation (*Q\**), sensible heat flux (*QH*), latent heat flux (*QE*), and the residual, with standard deviation values for each season. Only data observed from apartment areas (180–270o) are used.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | **Spring** | **Summer** | **Autumn** | **Winter** |
| ***K*↓** | **All-day** | 333.0 ± 323.8 | 283.5 ± 293.0 | 215.1 ± 246.2 | 203.2 ± 207.6 |
| **Daytime** | 508.7 ± 274.1 | 434.7 ± 261.5 | 379.0 ± 217.9 | 335.1 ± 203.2 |
| **Night-time** | 13.7 ± 28.6 | 8.6 ± 19.8 | 8.4 ± 22.4 | 10.6 ± 24.3 |
| ***K*↑** | **All-day** | -62.6 ± 59.8 | -51.4 ± 52.6 | -39.5 ± 44.8 | -39.6 ± 40.2 |
| **Daytime** | -95.3 ± 50.2 | -78.6 ± 46.9 | -69.2 ± 39.8 | -65.0 ± 33.4 |
| **Night-time** | -3.3 ± 6.2 | -2.0 ± 4.1 | -2.1 ± 5.1 | -2.6 ± 5.7 |
| ***L*↓** | **All-day** | 314.6 ± 49.8 | 406.4 ± 29.2 | 336.6 ± 38.6 | 250.9 ± 39.6 |
| **Daytime** | 319.8 ± 45.9 | 407.3 ± 29.2 | 337.8 ± 41.1 | 250.2 ± 38.1 |
| **Night-time** | 305.1 ± 55.1 | 404.9 ± 29.2 | 334.9 ± 35.3 | 251.9 ± 41.8 |
| ***L*↑** | **All-day** | -407.3 ± 53.1 | -472.1 ± 31.6 | -406.6 ± 44.0 | -325.4 ± 23.2 |
| **Daytime** | -426.0 ± 49.5 | -486.7 ± 28.4 | -421.8 ± 46.3 | -333.6 ± 21.4 |
| **Night-time** | -373.4 ± 41.5 | -445.7 ± 16.1 | -387.5 ± 31.9 | -313.5 ± 20.5 |
| ***Q\**** | **All-day** | 177.6 ± 234.4 | 166.4 ± 212.1 | 105.5 ± 176.8 | 89.1 ± 148.9 |
| **Daytime** | 307.2 ± 193.2 | 276.7 ± 187.5 | 225.9 ± 150.7 | 186.8 ± 115.4 |
| **Night-time** | -57.9 ± 31.3 | -34.3 ± 21.3 | -46.2 ± 27.4 | -53.6 ± 28.4 |
| ***QH*** | **All-day** | 103.8 ± 97.3 | 75.1 ± 79.9 | 50.9 ± 67.4 | 59.3 ± 65.9 |
| **Daytime** | 150.1 ± 90.2 | 109.4 ± 79.1 | 89.6 ± 66.2 | 91.0 ± 63.7 |
| **Night-time** | 19.7 ± 30.4 | 12.7 ± 23.5 | 2.0 ± 21.8 | 12.9 ± 33.7 |
| ***QE*** | **All-day** | 27.5 ± 30.4 | 43.8 ± 45.7 | 21.4 ± 26.8 | 8.5 ± 10.6 |
| **Daytime** | 37.6 ± 31.7 | 60.8 ± 46.7 | 32.7 ± 28.5 | 10.7 ± 8.5 |
| **Night-time** | 9.0 ± 15.8 | 12.8 ± 20.5 | 7.1 ± 15.5 | 4.7 ± 9.3 |
| ***Residual***  **(= *Q\**-*QH*-*QE*)** | **All-day** | 46.3 ± 146.5 | 47.5 ± 129.7 | 33.2 ± 111.5 | 21.4 ± 102.2 |
| **Daytime** | 119.5 ± 131.0 | 106.4 ± 124.6 | 103.5 ± 99.7 | 84.8 ± 78.0 |
| **Night-time** | -86.7 ± 43.4 | -59.8 ± 36.8 | -55.4 ± 38.4 | -71.3 ± 48.5 |

**Table 4.** Daily (24-h), daytime (*Q\** > 0 W m−2), and night-time mean CO2 flux (*FC*; unit: μmol m−2 s−1) and standard deviation values for all, working, and non-working days. Only data observed from apartment areas (180–270o) are used.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | **Spring** | **Summer** | **Autumn** | **Winter** |
| ***All Days*** | **All-day** | 10.3 ± 7.4 | 7.5 ± 6.1 | 8.9 ± 6.5 | 10.9 ± 7.1 |
| **Daytime** | 11.3 ± 7.2 | 7.3 ± 6.3 | 10.4 ± 6.3 | 11.9 ± 7.2 |
| **Night-time** | 9.0 ± 7.5 | 7.8 ± 5.9 | 7.2 ± 6.4 | 10.0 ± 6.9 |
| ***Working Days*** | **All-day** | 11.1 ± 7.6 | 8.1 ± 6.4 | 9.8 ± 6.8 | 11.6 ± 7.3 |
| **Daytime** | 12.4 ± 7.5 | 8.0 ± 6.6 | 11.8 ± 6.3 | 12.8 ± 7.6 |
| **Night-time** | 9.5 ± 7.3 | 8.1 ± 6.0 | 7.7 ± 6.7 | 10.4 ± 6.9 |
| ***Non-Working Days*** | **All-day** | 8.4 ± 6.8 | 6.1 ± 5.3 | 7.1 ± 5.6 | 9.6 ± 6.5 |
| **Daytime** | 9.0 ± 6.0 | 5.6 ± 5.2 | 7.8 ± 5.4 | 10.1 ± 6.1 |
| **Night-time** | 7.5 ± 7.8 | 6.9 ± 5.4 | 6.4 ± 5.6 | 9.2 ± 6.8 |