Table S1. Annual mean values of latent heat flux (*λE*, W m−2), sensible heat flux (*H*, W m−2), change of water heat storage (*G*, W m−2), net radiation (*R*n, W m−2), incoming solar radiation (*K*↓, W m−2), incoming longwave radiation (*L*↓, W m−2), outgoing longwave radiation (*L*↑, W m−2), surface albedo (*α*, dimensionless), Bowen ratio (*β*, dimensionless), air temperature (*T*a, oC), water vapor pressure (*e*a, hPa) and wind speed (*u*, m s−1).

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *λE* | *H* | G | *R*n | *K*↓ | *L*↓ | *L*↑ | *α* | *β* | *T*a | *e*a | *u* |
| 2011 | 76.1 | 9.7 | 1.2 | 87.1 | 143.8 | 356.9 | 404.0 | ⁄ | 0.128 | 16.2 | 14.7 | 4.58 |
| 2012 | 78.2 | 9.1 | -0.1 | 87.3 | 145.5 | 360.6 | 405.5 | 0.091 | 0.117 | 16.5 | 16.3 | 4.67 |
| 2013 | 87.4 | 9.5 | 0.0 | 96.9 | 158.9 | 361.0 | 409.5 | 0.085 | 0.109 | 17.3 | 16.7 | 4.70 |
| 2014 | 78.7 | 9.0 | 0.8 | 88.5 | 145.5 | 362.0 | 407.9 | 0.077 | 0.114 | 16.9 | 15.7 | 4.77 |
| 2015 | 80.8 | 9.1 | 0.2 | 90.1 | 143.5 | 365.4 | 408.5 | 0.072 | 0.112 | 16.9 | 15.7 | 4.51 |
| 2016 | 82.3 | 10.5 | 0.0 | 92.8 | 145.2 | 369.2 | 411.0 | 0.073 | 0.127 | 17.4 | 17.6 | 4.36 |
| 2017 | 87.2 | 8.7 | 0.1 | 96.0 | 153.9 | 365.7 | 411.9 | 0.076 | 0.100 | 17.6 | 17.3 | 4.59 |

Table S2. Slope, intercept, determination coefficient and significance level of the linear trend in air temperature (*T*a, oC), water vapor pressure (*e*a, hPa), wind speed (m s−1), cloud cover (dimensionless), incoming shortwave radiation (W m−2), incoming longwave radiation (W m−2), outgoing longwave radiation (W m−2), lake surface albedo (dimensionless), and the ratio of diffuse radiation to incoming shortwave radiation (dimensionless) from 2011 to 2017. Star denotes significant trend according to the Mann-Kendall Trend test. Here the independent variable is time in year.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *T*a | *e*a | *u* | *C* | *K*↓ | *L*↓ | *L*↑ | *a* | *f*DIFF |
| Intercept | 16.2 | 14.9 | 4.8 | 0.44 | 146.0 | 356.1 | 403.5 | 0.094 | 0.59 |
| Slope | 0.200 | 0.341 | −0.049 | 0.034 | 0.518 | 1.719 | 1.208 | −0.003 | −0.004 |
| *R*2 | 0.76\* | 0.53 | 0.39 | 0.73\* | 0.04 | 0.83\* | 0.84\* | 0.68 | 0.14 |