

| Parameter<br>(mm) | Year | Source 1<br>(GLDAS) | Source 2<br>(CRU) | Strategy A<br>(Lumped<br>Zhang<br>model) | InVEST model                   |                                 |                                   |   |
|-------------------|------|---------------------|-------------------|--|--------------------------------|---------------------------------|-----------------------------------|---|
|                   |      |                     |                   |  | Strategy B<br>(Large<br>model) | Strategy C<br>(Global<br>model) | Strategy D<br>(Xu et al.<br>2013) | Strategy E<br>(Donohue<br>et al., 2012) |
| AET               | 1980 | 555.0355            |                   | 696.84                                   | 486.07                         | 679.52                          | 679.68                            | 680.01                                  |
|                   | 1990 | 646.168             |                   | 815.02                                   | 592.3                          | 735.23                          | 735.27                            | 736.25                                  |
|                   | 2001 | 588.084             |                   | 680.76                                   | 408.86                         | 548.28                          | 548.39                            | 550.38                                  |
|                   | 2015 | 716.8316            |                   | 900.11                                   | 625.41                         | 743.48                          | 743.52                            | 744.34                                  |
| PET               | 1980 |                     | 1175.964          | 1376.64                                  | 1382.12                        | 1382.12                         | 1382.12                           | 1382.12                                 |
|                   | 1990 |                     | 1156.497          | 1456.16                                  | 1461.86                        | 1461.86                         | 1461.86                           | 1461.86                                 |
|                   | 2001 |                     | 1184.847          | 1457.08                                  | 1462.96                        | 1462.96                         | 1462.96                           | 1462.96                                 |
|                   | 2015 |                     | 1156.686          | 1544.20                                  | 1550.42                        | 1550.42                         | 1550.42                           | 1550.42                                 |