| **Observed contribution to GMSL change** | **1901–2018** | | | **1993–2018** | | | **2006–2018** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **mm** | **%** | **mm/yr** | **mm** | **%** | **mm/yr** | **mm** | **%** | **mm/yr** |
| **Thermal expansion** | 63.2 | 38.4 | 0.5 | 32.7 | 45.9 | 1.3 | 16.7 | 38.6 | 1.4 |
| **Glaciers** | 67.2 | 40.8 | 0.6 | 13.8 | 19.4 | 0.6 | 7.5 | 17.3 | 0.6 |
| **Greenland Ice Sheet** | 40.4 | 24.5 | 0.3 | 10.8 | 15.2 | 0.4 | 7.5 | 17.3 | 0.6 |
| **Antarctic Ice Sheet** | 6.7 | 4.1 | 0.1 | 6.1 | 8.6 | 0.2 | 4.4 | 10.2 | 0.4 |
| **Land-water storage** | -12.9 | -7.8 | -0.1 | 7.8 | 10.9 | 0.3 | 7.2 | 16.6 | 0.6 |
| **Sum of observed contributions** | 164.6 | 100.0 | 1.4 | 71.2 | 100.0 | 2.8 | 43.4 | 100.0 | 3.6 |
| **Observed GMSL change** | 201.9 | – | 1.7 | 81.2 | – | 3.2 | 44.3 | – | 3.7 |