

Global SeaLevel Variations

Global sea levels are rising as a result of human-caused global warming, with recent rates being unprecedented over the past 2,000-plus years. Sea level rise is caused primarily by two factors related to global warming: the added water from melting ice sheets and glaciers and the expansion of seawater as it warms.

Global mean sea level provides an integrative measure of the state of the climate system, encompassing both the ocean and cryosphere (ice covered portions of Earth), and it can be viewed as an important indicator of what is happening to the climate in the present and what may happen in the future. Long-term changes in global mean sea level (GMSL) are monitored, and the visualization are as followed. GIA stands for Global Isostatic Adjustment.

<https://climate.nasa.gov/>
<https://www.kaggle.com/datasets/kkhandekar/global-sea-level-1993-2021>

Sea Height Variations-GIA not applied (mm)

