

# What Caused the Accelerated Sea Level Changes Along the U.S. Coast from 2010 to 2015?

Geophysical Research Letters

45, 13,367

DOI: [10.1029/2018gl081183](https://doi.org/10.1029/2018gl081183)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The Relationship Between U.S. East Coast Sea Level and the Atlantic Meridional Overturning Circulation: A Review. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 6435-6458.	2.6	54
2	More Than 50 Years of Successful Continuous Temperature Section Measurements by the Global Expendable Bathythermograph Network, Its Integrability, Societal Benefits, and Future. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	31
3	Global Perspectives on Observing Ocean Boundary Current Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	39
4	Interannual Sea Level Variability Along the Southeastern Seaboard of the United States in Relation to the Gyre's Scale Heat Divergence in the North Atlantic. <i>Geophysical Research Letters</i> , 2019, 46, 7481-7490.	4.0	39
5	Regional Differences in Sea Level Rise Between the Mid-Atlantic Bight and the South Atlantic Bight: Is the Gulf Stream to Blame?. <i>Earth's Future</i> , 2019, 7, 771-783.	6.3	35
6	Impacts of Ocean Warming, Sea Level Rise, and Coastline Management on Storm Surge in a Semienclosed Bay. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 6498-6514.	2.6	15
7	Forcing Factors Affecting Sea Level Changes at the Coast. <i>Surveys in Geophysics</i> , 2019, 40, 1351-1397.	4.6	165
8	Slow Down of the Gulf Stream during 1993-2016. <i>Scientific Reports</i> , 2019, 9, 6672.	3.3	37
9	Treading Water: Tools to Help US Coastal Communities Plan for Sea Level Rise Impacts. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	4
10	Global Trends of Sea Surface Gravity Wave, Wind, and Coastal Wave Setup. <i>Journal of Climate</i> , 2020, 33, 769-785.	3.2	10
11	Analysis of the changing patterns of seasonal flooding along the U.S. East Coast. <i>Ocean Dynamics</i> , 2020, 70, 241-255.	2.2	15
12	What happens to the ocean surface gravity waves when ENSO and MJO phases combine during the extended boreal winter?. <i>Climate Dynamics</i> , 2020, 54, 1407-1424.	3.8	11
13	Solar Activity and Lunar Precessions Influence Extreme Sea Level Variability in the U.S. Atlantic and Gulf of Mexico Coasts. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090024.	4.0	6
14	The long-term and far-reaching impact of hurricane Dorian (2019) on the Gulf Stream and the coast. <i>Journal of Marine Systems</i> , 2020, 208, 103370.	2.1	14
15	Idealised modelling of offshore-forced sea level hot spots and boundary waves along the North American East Coast. <i>Ocean Modelling</i> , 2020, 155, 101706.	2.4	5
16	Some like it hot, hungry tunas do not! Implications of temperature and plankton food web dynamics on growth and diet of tropical tuna larvae. <i>ICES Journal of Marine Science</i> , 2020, 77, 3058-3073.	2.5	8
17	A global analysis of austral summer ocean wave variability during SAM-ENSO phase combinations. <i>Climate Dynamics</i> , 2020, 54, 3991-4004.	3.8	8
18	Assessing storm surge impacts on coastal inundation due to climate change: case studies of Baltimore and Dorchester County in Maryland. <i>Natural Hazards</i> , 2020, 103, 2561-2588.	3.4	31

#	ARTICLE	IF	CITATIONS
19	Synergy of In Situ and Satellite Ocean Observations in Determining Meridional Heat Transport in the Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017073.	2.6	6
20	Data-driven reconstruction reveals large-scale ocean circulation control on coastal sea level. <i>Nature Climate Change</i> , 2021, 11, 514-520.	18.8	40
21	Ocean Conditions and the Intensification of Three Major Atlantic Hurricanes in 2017. <i>Monthly Weather Review</i> , 2021, 149, 1265-1286.	1.4	5
22	Forecasting oceanfront shoreline position to evaluate physical vulnerability for recreational and infrastructure resilience at Cape Hatteras National Seashore. <i>Shore and Beach</i> , 2021, , .	0.5	0
23	Extent and Causes of Chesapeake Bay Warming. <i>Journal of the American Water Resources Association</i> , 2022, 58, 805-825.	2.4	13
24	North American East Coast Sea Level Exhibits High Power and Spatiotemporal Complexity on Decadal Timescales. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093675.	4.0	11
25	Astronomic link to anomalously high mean sea level in the northern Adriatic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 257, 107418.	2.1	9
26	Impacts of Basin-Scale Climate Modes on Coastal Sea Level: a Review. <i>Surveys in Geophysics</i> , 2019, 40, 1493-1541.	4.6	50
27	Global sea level reconstruction for 1900â€“2015 reveals regional variability in ocean dynamics and an unprecedented long weakening in the Gulf Stream flow since the 1990s. <i>Ocean Science</i> , 2020, 16, 997-1016.	3.4	12
28	Evaluation of the Local Seaâ€“Level Budget at Tide Gauges Since 1958. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094502.	4.0	28
29	Modeling the Risks of Climate Change and Global Warming to Humans Settled in Low Elevation Coastal Zones in Louisiana, USA. <i>Atmospheric and Climate Sciences</i> , 2020, 10, 298-318.	0.3	0
30	Analysis of Precipitation and Temperature Variability over Central Africa (1901-2015). <i>Atmospheric and Climate Sciences</i> , 2020, 10, 220-239.	0.3	3
31	Western boundary circulation and coastal sea-level variability in Northern Hemisphere oceans. <i>Ocean Science</i> , 2021, 17, 1449-1471.	3.4	10
32	Ocean mass, sterodynamic effects, and vertical land motion largely explain US coast relative sea level rise. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	10
33	Remote Impact of the Equatorial Pacific on Florida Current Transport. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
34	The impact of remote temperature anomalies on the strength and position of the Gulf Stream and on coastal sea level variability: a model sensitivity study. <i>Ocean Dynamics</i> , 2022, 72, 223-239.	2.2	1
35	Ensuring the Sustainability of Arctic Industrial Facilities under Conditions of Global Climate Change. <i>Resources</i> , 2021, 10, 128.	3.5	15
36	Dynamics and Causes of Sea Level Rise in the Coastal Region of Southwest Bangladesh at Global, Regional, and Local Levels. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 779.	2.6	7

#	ARTICLE	IF	CITATIONS
37	Accelerating sea-level rise and the fate of mangrove plant communities in South Florida, U.S.A.. <i>Geomorphology</i> , 2022, 412, 108329.	2.6	15
38	The Effect of Harbor Developments on Future High-Tide Flooding in Miami, Florida. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	6
39	Nature-based solutions on floodplain restoration with coupled propagule dispersal simulation and stepping-stone approach to predict mangrove encroachment in an estuary. <i>Science of the Total Environment</i> , 2022, 851, 158097.	8.0	5
40	A Demonstration of a Simple Methodology of Flood Prediction for a Coastal City Under Threat of Sea Level Rise: The Case of Norfolk, VA, USA. <i>Earth's Future</i> , 2022, 10, .	6.3	7
41	The utilization of physically based models and GIS techniques for comprehensive risk assessment of storm surge: A case study of Huizhou. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	3
43	Observation-based trajectory of future sea level for the coastal United States tracks near high-end model projections. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	6.8	14
44	North coast Algerian rainfall monthly trend analysis using innovative polygon trend analysis (IPTA). <i>Arabian Journal of Geosciences</i> , 2022, 15, .	1.3	3
45	Inferring the linkage of sea surface height anomalies, surface wind stress and sea surface temperature with the falling ice radiative effects using satellite data and global climate models. <i>Environmental Research Communications</i> , 2022, 4, 125004.	2.3	3
46	Climate-modulated range expansion of reef-building coral communities off southeast Florida during the late Holocene. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	3
47	Sea level acceleration and variability in the Chesapeake Bay: past trends, future projections, and spatial variations within the Bay. <i>Ocean Dynamics</i> , 2023, 73, 23-34.	2.2	6
49	Assessing Potential Links between Climate Variability and Sea Levels along the Coasts of North America. <i>Climate</i> , 2023, 11, 80.	2.8	1
50	Acceleration of U.S. Southeast and Gulf coast sea-level rise amplified by internal climate variability. <i>Nature Communications</i> , 2023, 14, .	12.8	21
51	Relative contributions of water-level components to extreme water levels along the US Southeast Atlantic Coast from a regional-scale water-level hindcast. <i>Natural Hazards</i> , 2023, 117, 2219-2248.	3.4	8
52	Reconsidering the Relationship Between Gulf Stream Transport and Dynamic Sea Level at U.S. East Coast. <i>Geophysical Research Letters</i> , 2023, 50, .	4.0	1
53	Possible linkage of sea surface height anomaly, surface wind stress and sea surface temperature with the falling ice radiative effects under a gradual warming scenario. <i>Environmental Research Communications</i> , 2023, 5, 085004.	2.3	0
54	Nonstationary Roles of Regional Forcings in Driving Low-Frequency Sea Level Variability Along the U.S. East Coast Since the 1950s. <i>Geophysical Research Letters</i> , 2023, 50, .	4.0	0
55	Atlantic meridional overturning circulation increases flood risk along the United States southeast coast. <i>Nature Communications</i> , 2023, 14, .	12.8	7
56	Modeling the Trooz Glacier's movement using air temperature data and satellite SAR observations in 2015-2022. <i>Ukrainian Antarctic Journal</i> , 2023, 21, 24-36.	0.7	0

#	ARTICLE	IF	CITATIONS
57	Tectonic plates moment of inertia and angular momentum determination: the case of the Antarctic plate. <i>Ukrainian Antarctic Journal</i> , 2023, 21, 13-23.	0.7	0
58	Towards two decades of Atlantic Ocean mass and heat transports at 26.5°N. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2023, 381, .	3.4	2
59	A review of climate change-induced flood impacts and adaptation of coastal infrastructure systems in the United States. <i>Environmental Research: Infrastructure and Sustainability</i> , 2023, 3, 042001.	2.3	0
60	Geomorphologic Response of the Georgia Bight Coastal Zone to Accelerating Sea Level Rise, Southeastern USA. <i>Coasts</i> , 2024, 4, 1-21.	0.9	1
61	Delayed coastal inundations caused by ocean dynamics post-Hurricane Matthew. <i>Npj Climate and Atmospheric Science</i> , 2024, 7, .	6.8	1
62	Reconfiguration of Amazon's connectivity in the climate system. <i>Chaos</i> , 2024, 34, .	2.5	0
63	Influence of Deep Ocean Warming on Coastal Sea Level Decadal Trends in the Gulf of Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2024, 129, .	2.6	0
64	What Forcing Mechanisms Affect the Interannual Sea Level Co-Variability Between the Northeast and Southeast Coasts of the United States?. <i>Journal of Geophysical Research: Oceans</i> , 2024, 129, .	2.6	1
65	On the links between sea level and temperature variations in the Chesapeake Bay and the Atlantic Meridional Overturning Circulation (AMOC). <i>Ocean Dynamics</i> , 2024, 74, 307-320.	2.2	0