Data and Products Thu Mar 28 11:01:49 HST 2024

Name	Sea Level Trends
Capability Area	- Understanding Climate Variability and Change - Understanding Climate Impacts and Informing Adaptation
Focus Area	- Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience
Regions	- Central North Pacific - State Of Hawaii - Western North Pacific - CNMI - FSM - Guam - RMI - South Pacific - American Samoa - Pacific Basin - Global
Data/Physical	- Data - Physical - In-situ Observations - Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height)
Products/Physical	- Products - Physical - Hindcasts (climatologies) - Applications, including Visualization and Decision Support Tools - Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height)
Sectors	- Public Health and Safety - Transportation/Communication and Commerce - Community Planning and Development - Agriculture and Fisheries - Recreation and Tourism

Description	The NOAA Center for Operational Oceanographic Products and Services has been measuring sea level for over 150 years, with tide stations operating on all U.S. coasts through the National Water Level Observation Network. Changes in Mean Sea Level, either a sea level rise or sea level fall, have been computed at 128 long-term water level stations using a minimum span of 30 years of observations at each location. These measurements have been averaged by month to remove the effect of high frequency phenomena, such as waves and tides, to compute an accurate linear sea level trend. The trend analysis has also been extended to a network of global tide stations including 114 additional non-NOAA stations.
Url	http://tidesandcurrents.noaa.gov/sltrends/sltrends.shtml
Lead Agencies	NOAA/NOS/CO-OPS
Contacts	NOAA/NOS/CO-OPS, nos.info@noaa.gov