Thirty-six tsunamis in the region caused damage ranging from a few shipping crafts to the destruction of entire towns. Eighteen resulted in over 6,400 deaths. The most deadly was the 1867 Jamaica tsunami that resulted in 2,000 deaths at Port Royal. The 1946 Dominican Republic earthquake-generated tsunami caused 1,000 deaths in Colombia, and was observed along the entire coast of Central America, in Mexico, and in California.

A total of 61 confirmed tsunami source events are displayed on the Pacific region of this map; 60 were generated by earthquakes, and 1 from an earthquake-generated landslide. There are over 750 runup records information on tsunami source events throughout the world that range from 1410 B.C. to June A.D. 2018.

A total of 51 confirmed tsunami source events are displayed in the Caribbean Sea and Atlantic Ocean; 37 resulted in 2,000 deaths at Port Royal. The 1946 Dominican Republic earthquake-generated tsunami caused 1,000 deaths in Colombia, and was observed along the entire coast of Central America, in Mexico, and in California.

The highest runup on the displayed Pacific region was the 11 m tsunami wave generated by the 1995 Jalisco-Colima earthquake.

A total of 51 confirmed tsunami source events are displayed in the Caribbean Sea and Atlantic Ocean; 37 were generated by earthquakes, 3 from earthquake-generated landslides, and 1 from a submarine landslide. Over 300 runup records are displayed on the Caribbean Sea, Atlantic Ocean and Gulf of Mexico. In this area, the highest runup was the 10.2 m tsunami wave generated by violent back-to-back earthquakes southwest of St. Thomas, U.S. Virgin Islands, in 1867. Only 2 events beyond the map boundaries resulted in runups to the displayed Caribbean, Atlantic and Gulf of Mexico coasts.