

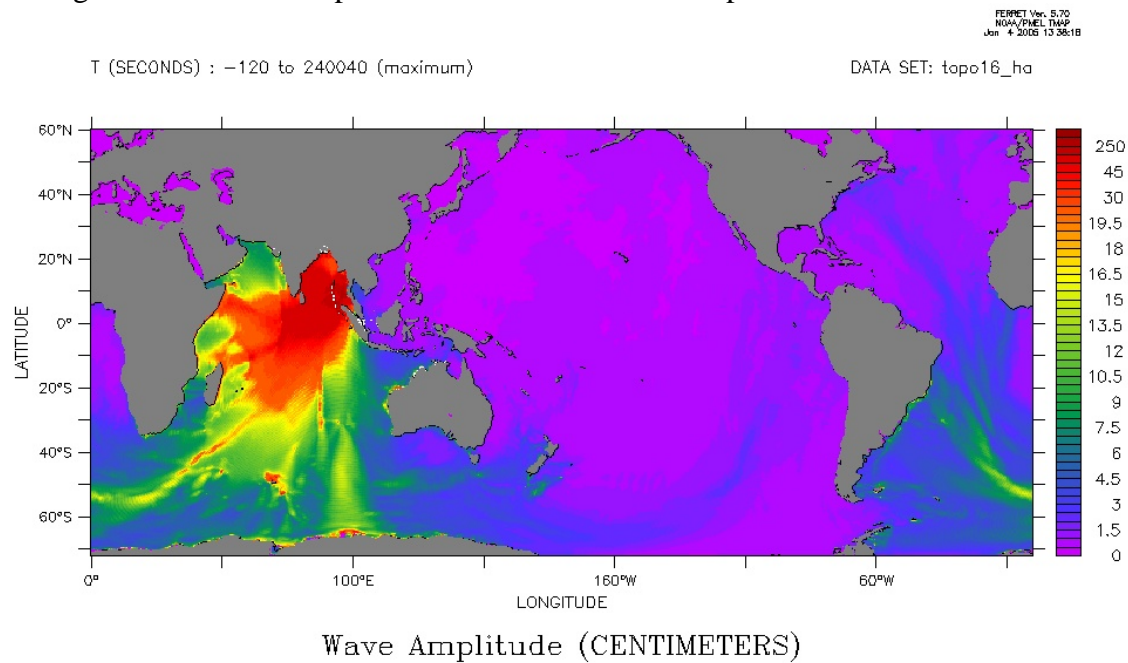
INDIAN OCEAN DECEMBER 2004 TSUNAMI REACHED PUERTO RICO

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After traveling from the Indian Ocean via south of Africa, the Sumatra December 25, 2004 (local time), tsunami penetrated into the Atlantic Ocean, propagating all the way up to the North Atlantic basin (it was detected as far north as Halifax, Nova Scotia), making it a global tsunami. The figure below shows a plot of the maximum wave amplitude as



deduced from a numerical simulation carried out by Dr. Vasily Titov at the Pacific Marine Environmental Laboratory, in Seattle, WA. The figure below shows plots of the records of the tide gauges at the islands of Bermuda, St. Thomas (Charlotte Amalie), St. Croix (Lime Tree Bay), and Puerto Rico (San Juan Bay, Magueyes Island – La Parguera, and Punta Guayanilla). The red arrows mark the arrival of the tsunami waves (TAT = Tsunami Arrival Time). These plots were kindly supplied by

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According to Dr. Rabinovich, the waves took approximately 28 hours after the earthquake in order to reach the tide gauges at Puerto Rico.

Sumatra Earthquake ($M = 9.0$)

Atlantic Ocean

