



Spectrum of the tide-gauge surface waves in Pointe-a-Pitre bay, Guadeloupe

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The spectrum of tide-gauge records in Pointe-a-Pitre bay (Guadeloupe) is analyzed. Seiche oscillations about 1 hr in period are observed. The numerical simulation of wave propagation in the Caribbean Sea is done. Records computed in Pointe-a-Pitre bay are compared with measured tide-gauge records. The spectrum of computed records also has peak of seiches with the same period as tide-gauge records.