



Storm surges induced by cyclones in Guadeloupe (Lesser Antilles)

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The data of the storm-induced surges in the coastal locations of Guadeloupe (Lesser Antilles) is collected. It is shown that the surge height increases with increase of the wind speed, but observed data have great dispersion. Numerical simulation of the long water waves induced by the hurricane “Lili” in 2002 is performed; surge heights in Guadeloupe exceed 10 cm.