

The probability of high tide should be considered in intensified coastal flooding hazard

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Linlin Li et al. wrote an article entitled “A modest 0.5-m rise in sea level will double the tsunami hazard in Macau” (1). See the Macau tide table for the next 7 days (2). The difference between high and low tide is more than 1 meter (2). In other words, the probability of high tide should be considered for simulating storm-induced flooding. The probability of high tide strongly influences the simulation result including typhoon and tsunami-induced flooding.

References:

1. Linlin Li et al., A modest 0.5-m rise in sea level will double the tsunami hazard in Macau, Science Advances 15 Aug 2018: Vol. 4, no. 8, eaat1180
2. <https://www.tide-forecast.com/locations/Macau-China/forecasts/latest/six...>