Supplement of Nat. Hazards Earth Syst. Sci., 22, 2347–2358, 2022 https://doi.org/10.5194/nhess-22-2347-2022-supplement © Author(s) 2022. CC BY 4.0 License.





## Supplement of

## Compound flood impact of water level and rainfall during tropical cyclone periods in a coastal city: the case of Shanghai

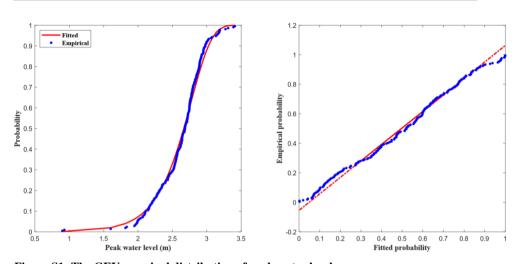
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Table S1. Basic statistic characteristics of peak water level and rainfall.

		Kendall		Spearman	
	Accumulated days	Corr	$p_{value}$	Corr	$p_{value}$
Peak water level - rainfall	3-days	0.16	0.0004	0.25	0.0003
	2-days	0.18	0.001	0.28	0.0001
	1-days	0.15	0.0008	0.23	0.0006



5 Figure S1: The GEV marginal distribution of peak water level.

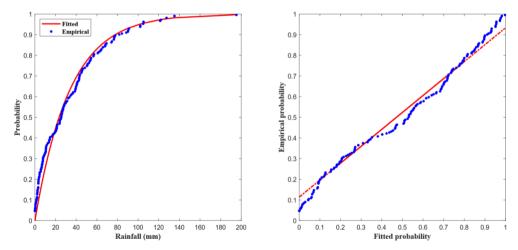


Figure S2: The exponential marginal distribution of rainfall with 2-days window.