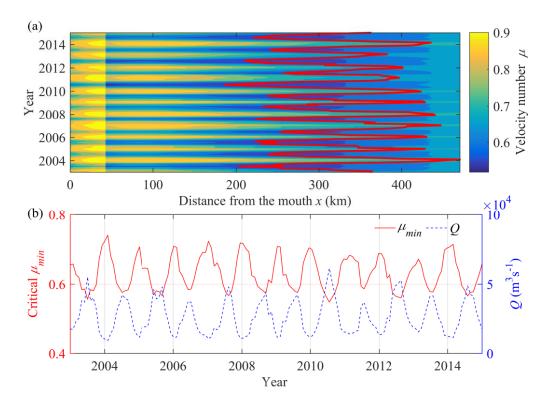
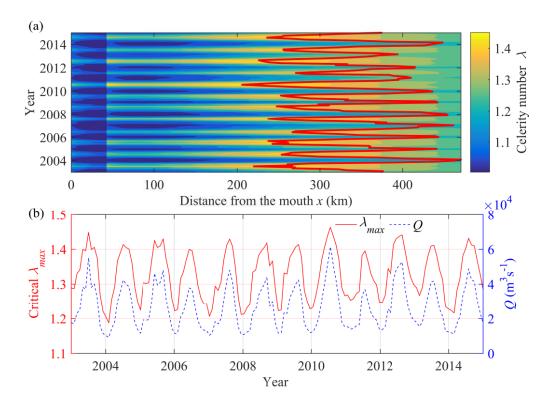
1	Supplementary Materials
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4	Hydrology and Earth System Sciences
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6 7	Seasonal behaviour of tidal damping and residual water level slope in the Yangtze River estuary: identifying the critical position and river discharge for
, 8	maximum tidal damping
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10 11 12	Huayang Cai ^{1,2,5} , Hubert H. G. Savenije ³ , Erwan Garel ⁴ , Xianyi Zhang ^{1,2} , Leicheng Guo ⁵ , Min Zhang ⁶ , Feng Liu ^{1,2} , and Qingshu Yang ^{1,2}
13	¹ Institute of Estuarine and Coastal Research, School of Marine Engineering and Technology, Sun
14 15 16	Yat-sen University, Guangzhou, China ² Guangdong Provincial Engineering Research Center of Coasts, Islands and Reefs, Guangzhou, China
17 18 19 20	³ Water Resources Section, Delft University of Technology, Delft, the Netherlands ⁴ Centre for Marine and Environmental Research (CIMA), University of Algarve, Portugal ⁵ State Key Laboratory of Estuarine and Coastal Research, East China Normal University, Shanghai, China
21	⁶ Shanghai Normal University, Department of Geography, Shanghai, China
22	Correspondence to: Feng Liu (liuf53@mail.sysu.edu.cn)
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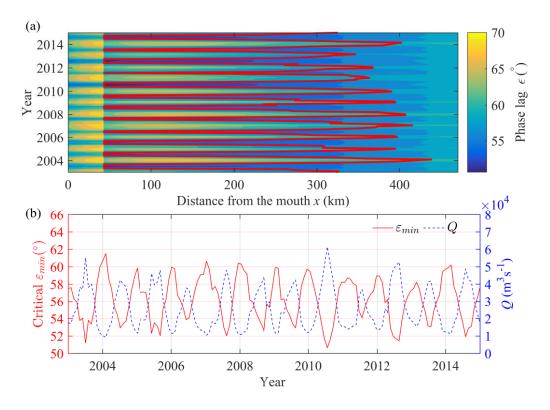
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42 Figure S1. Contour plot of the velocity number μ together with its minimum value μ_{\min} (indicated 43 by the red line) for each month (a) and the relation between the critical value and the river 44 discharge Q (b).



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46 Figure S2. Contour plot of the celerity number λ together with its minimum value λ_{max} (indicated 47 by the red line) for each month (a) and the relation between the critical value and the river 48 discharge Q (b).



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Figure S3. Contour plot of the phase lag ε together with its minimum value ε_{\min} (indicated by the red line) for each month (a) and the relation between the critical value and the river discharge Q(b).

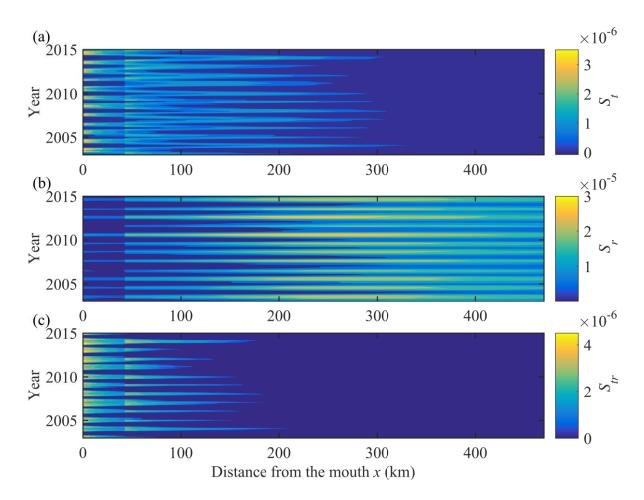


Figure S4. Contour plot of the three contributions made to the residual water level slope: tidal component S_t (a), riverine component S_r (b), tide-river interaction component S_{tr} (c).