Effects of Physical Forcing on Summertime Hypoxia and Oxygen Dynamics in the Pearl River Estuary

Jia Huang ¹, Jiatang Hu ^{1, 2, 3,*}, Shiyu Li ^{1, 2,*}, Bin Wang ⁴, Yongji Xu ¹, Bo Liang ¹, and Dehong Liu ⁵

- ¹ School of Environmental Science and Engineering, Sun Yat-sen University, Guangzhou 510275, China
- ² Guangdong Provincial Key Laboratory of Environmental Pollution Control and Remediation Technology, Guangzhou 510275, China
- ³ Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai), 519082, China
- ⁴ Department of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada
- ⁵ Guangdong Institute of Eco-environmental Science & Technology, Guangzhou 510650, China



Supplementary Materials

Figure S1. Comparison of the simulated dissolved oxygen (DO) concentration (**a**,**b**) and hypoxia frequency (**c**,**d**) in the bottom layer between the WindConst case (with a constant southwesterly wind of 4 m/s) and SE-Wind case (with a constant southeasterly wind of 4 m/s).