



## **The role of eddy on Leeuwin Current: revisited based on mooring observations**

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After 1986/87 LUCIE, some discontinuous in-situ mooring observation began to be sustained from August 2009, along the coast of Western Australia between Two Rocks and Fremantle. In this study, the role of eddy on Leeuwin Current (LC) had been revisited, including momentum and energy balances, mainly based on the mooring temperature and velocity. Besides, the high-resolution model output (BRAN) had been used to do further comparisons and diagnosed. We try to answer why the LC become strong in south of 32°S, and the possible reasons are investigated, such as eddy and topography.