

## عنوان مقاله:

ENTROPY DEFICIT DURING TROPICAL CYCLONE HAIYAN

## محل انتشار:

دوازدهمین همایش بین المللی سواحل، بنادر و سازه های دریایی (سال: 1395)

تعداد صفحات اصل مقاله: 2

## نویسنده:

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## خلاصه مقاله:

Various environmental factors affecting formation and intensification of tropical cyclone (TC) contribute in challenges of TC prediction. So different approaches and empirical indexes have been established to investigate influence of these factors on TC. Meanwhile, those related to the thermodynamic parameter of entropy have been considered further, because variation of this long-lasting parameter can preclude incipient dispersion development to a tropical cyclone. Moreover, outward eddy flux of entropy along with its advection into a TC play significant role in TC intensification and weakening. In addition, infiltration of low entropy air into a TC can decrease the efficiency of TC heat engine ([1]). The schematic view of infiltration of low-entropy air into a TC has been shown in Figure 1

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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