

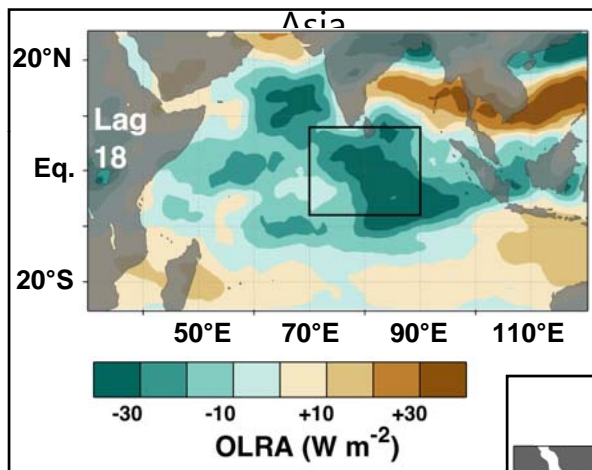
# Indian Ocean dynamical influence on atmospheric intraseasonal oscillations: satellite observations and model results from 2000–2012

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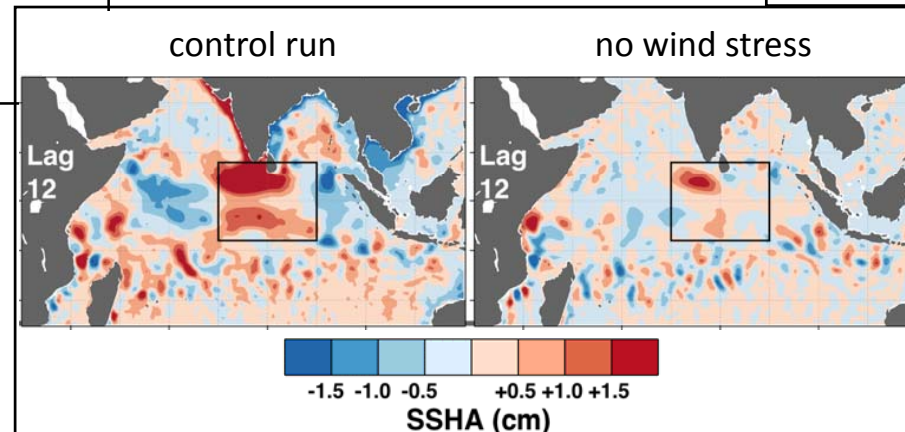
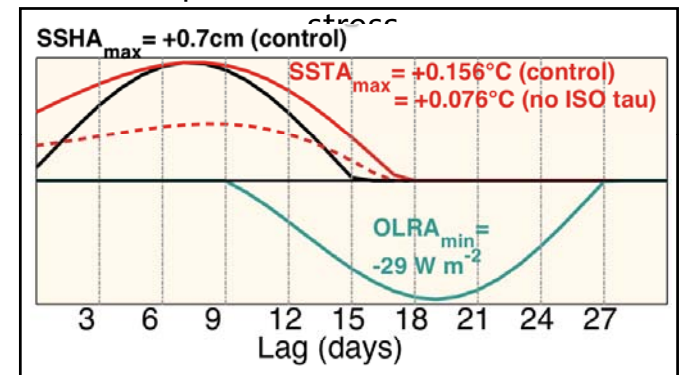
ISOs, such as this one in June 2007, initiate in the Indian Ocean and contribute to rainfall in Southeast Asia



Ocean Rossby waves are concurrent with many ISOs, and they may contribute to ISO initiation by increasing SST.

What happens if we greatly reduce the Rossby wave signal in an OGCM by removing the surface wind stress forcing?

The +SST anomaly prior to the ISO event decreases by up to 51% without wind



**This implies a strong ocean dynamical influence on some atmospheric ISOs. Please visit my poster for more details. I look forward to discussing with you!**