

Domain and Computational Details:

Taux: used wind stress, τ_{aux} from extended SODA_10lat

$-7 \leq \text{lat} \leq 7$, $160 \leq \text{lon} \leq 260$; τ_{aux} was summed across latitude at every longitude for every month

SEC: used zonal velocity, u from extended SODA_10lat

$-7 \leq \text{lat} \leq 7$, $160 \leq \text{lon} \leq 260$; all eastward (positive) values of zonal velocity were masked out and transports calculated for each longitude for every time series month. Transports were multiplied by -1 in order to look at the trend in *westward* current intensity

EUC: used zonal velocity, u from extended SODA

$-3 \leq \text{lat} \leq 3$, $160 \leq \text{lon} \leq 260$; all westward (negative) values of zonal velocity were masked out and transports calculated for each longitude for every time series month

Trend statistics were calculated at the 99% confidence interval

