

Figure 1: Continuous Wavelet Time-Frequency Spectrum (Morlet) of Detrended South China Sea SLA Anomalies.

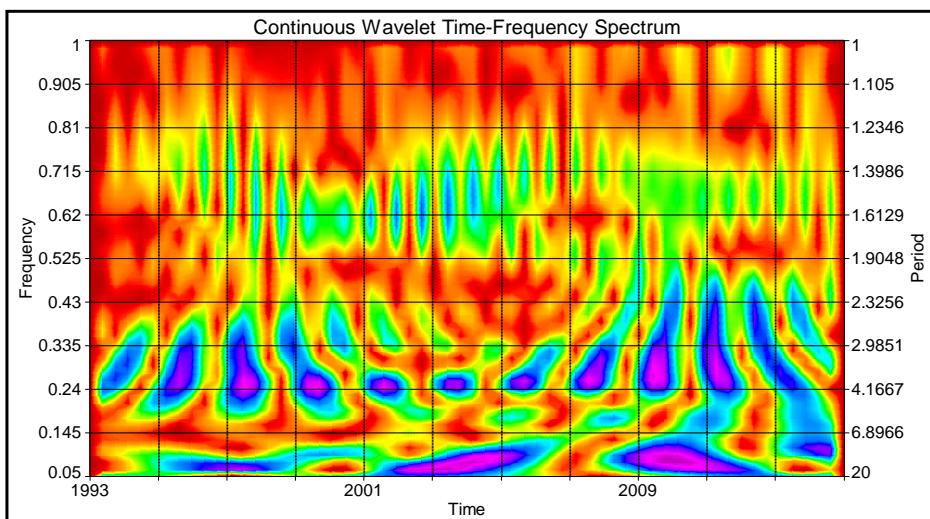


Figure 2 : Continuous Wavelet Time-Frequency Spectrum (Morlet) of Detrended Pacific Ocean (Exclude China Seas) Sea SLA Anomalies.

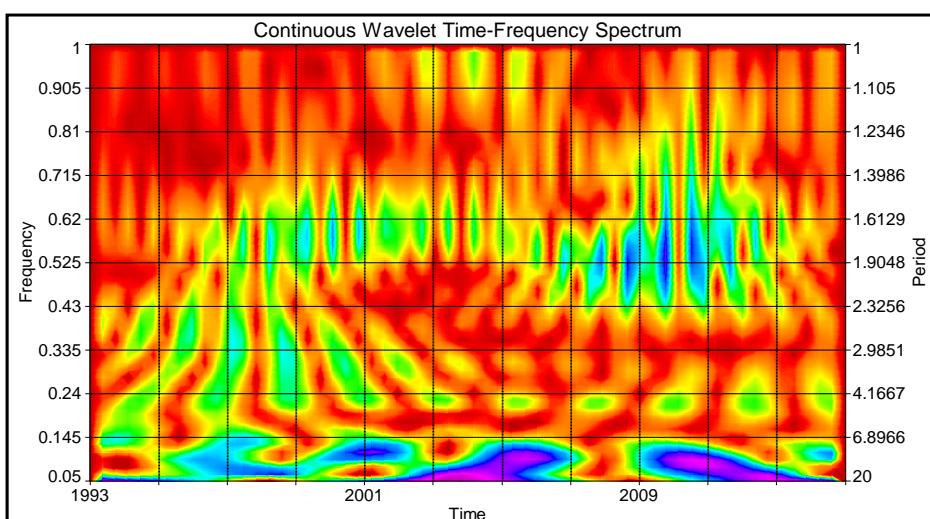


Figure 3 : Continuous Wavelet Time-Frequency Spectrum (Morlet) of Detrended Indian Ocean Sea SLA Anomalies.

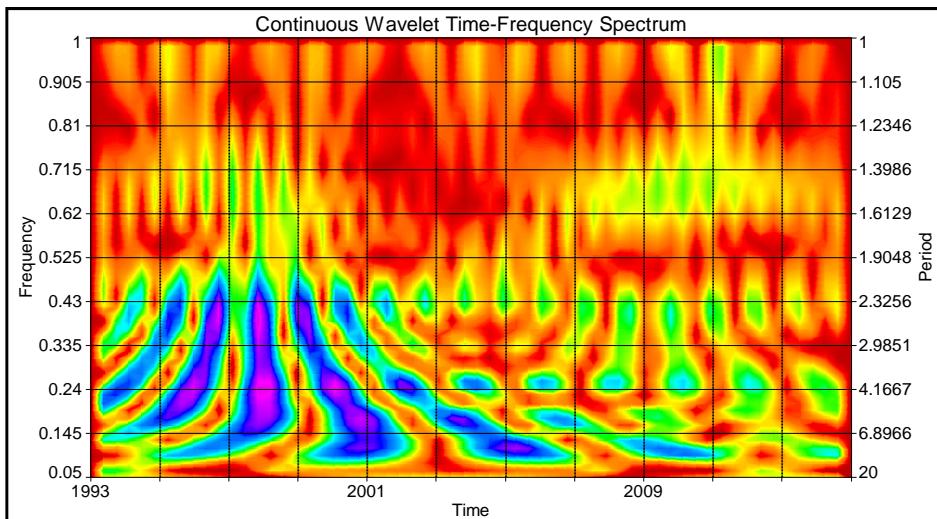


Figure 4 : ContiNuous Wavelet Time-Frequency Spectrum (Morlet) of Detrended Pacific Ocean (Exclude China Seas) Upper-Layer Zonal Volume Centroid.

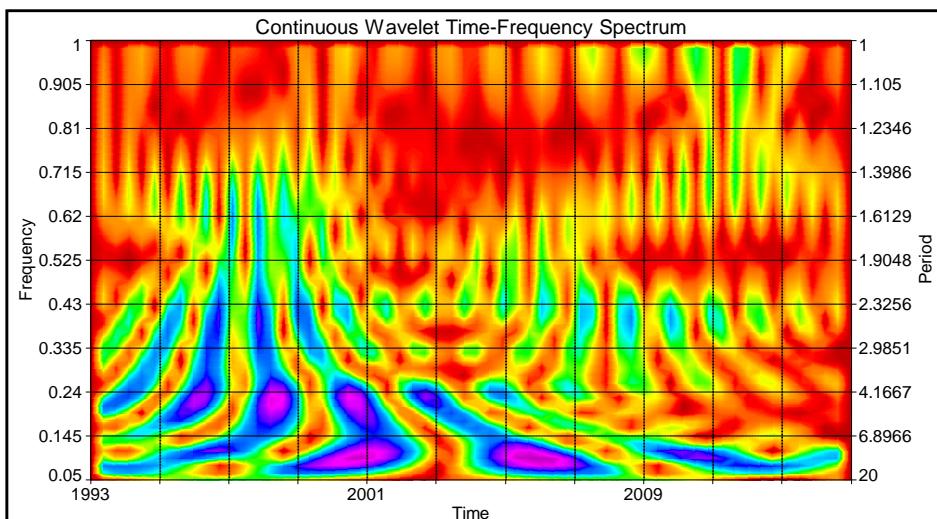


Figure 5 : Continuous Wavelet Time-Frequency Spectrum (Morlet) of Detrended Indian Ocean (Exclude China Seas) Upper-Layer Zonal Volume Centroid.

Table 1: Regression parameters of all regressive processes

$$Y = \sum_{i=0}^n B(i) * X(i) \quad (n = 1,2,4)$$

NO.	Coefficient	Variable	Parameter Name	Coefficient B
1	0.53	X(0)	Constant	0.42
		X(1)	5MS Pacific Ocean SLA Anomalies Time Series	1.44±0.17
2	0.70	X(0)	Constant	0.44
		X(1)	5MS Indian Ocean SLA Anomalies Time Series	1.26±0.10
3	0.43	X(0)	Constant	0.00053
		X(1)	5MS Pacific Ocean Monthly Upper-Layer Zonal Volume Centroid Time Series	-260.37±38.23
4	0.50	X(0)	Constant	-0.00058
		X(1)	5MS Indian Ocean Monthly Upper-Layer Zonal Volume Centroid Time Series	735.93±95.83
5	0.71	X(0)	Constant	0.54
		X(1)	5MS Pacific Ocean SLA Anomalies Time Series	-0.33±0.32
		X(2)	5MS Indian Ocean SLA Anomalies Time Series	1.49±0.24
6	0.52	X(0)	Constant	-0.00023
		X(1)	5MS Pacific Ocean Monthly Upper-Layer Zonal Volume Centroid Time Series	-91.97±62.15
		X(2)	5MS Indian Ocean Monthly Upper-Layer Zonal Volume Centroid Time Series	543.34±165.04
7	0.70	X(0)	Constant	0.00036
		X(1)	5MS Pacific Ocean SLA Anomalies Time Series	1.13±0.15
		X(2)	5MS Pacific Ocean Monthly Upper-Layer Zonal Volume Centroid Time Series	-174.73±30.03
8	0.85	X(0)	Constant	-0.00035
		X(1)	5MS Indian Ocean SLA Anomalies Time Series	0.99±0.08
		X(2)	5MS Indian Ocean Monthly Upper-Layer Zonal Volume Centroid Time Series	448.46±57.36
9	0.86	X(0)	Constant	-0.00050
		X(1)	5MS Pacific Ocean SLA Anomalies Time Series	0.037±0.23
		X(2)	5MS Pacific Ocean Monthly Upper-Layer Zonal Volume Centroid Time Series	0.99±0.19
		X(3)	5MS Indian Ocean SLA Anomalies Time Series	41.64±36.26
		X(4)	5MS Indian Ocean Monthly Upper-Layer Zonal Volume Centroid Time Series	532.24±90.72

