

El Nino 34 Anomalies: Wavelet Analysis

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Data

www.cpc.ncep.noaa.gov/products/analysis_monitoring/ensostuff/detrend.nino34.ascii.txt

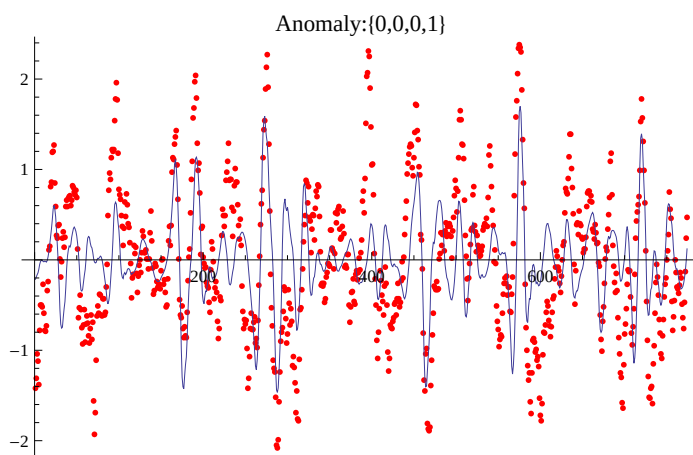
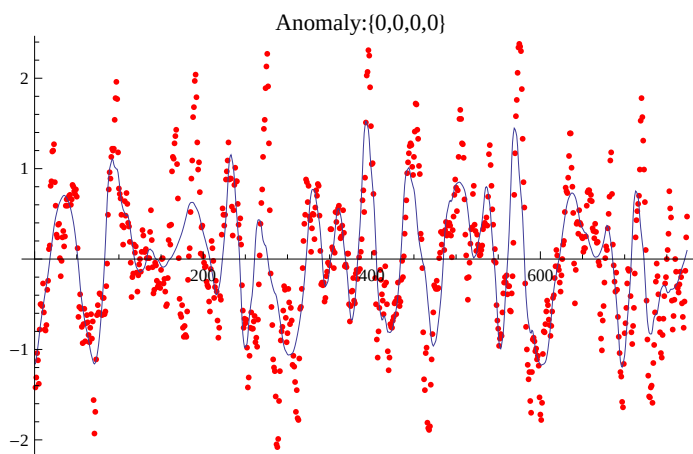
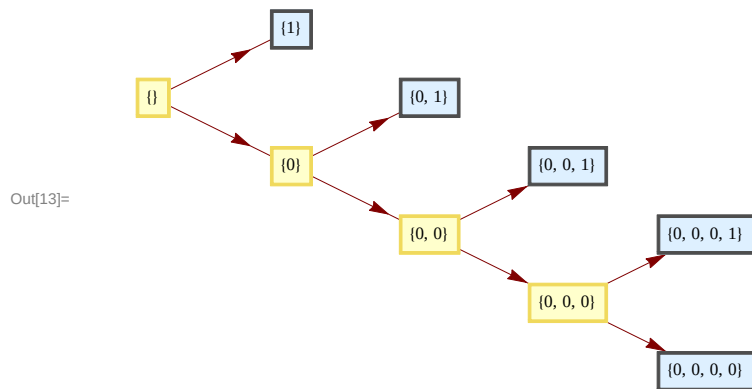
YR	MON	TOTAL	ClimAdjust	ANOM
1950	1	24.84	26.26	-1.42
1950	2	25.22	26.53	-1.31
1950	3	26.04	27.09	-1.04
1950	4	26.38	27.50	-1.12
...				
2014	4	27.68	27.81	-0.13
2014	5	28.16	27.91	0.24
2014	6	28.16	27.69	0.47

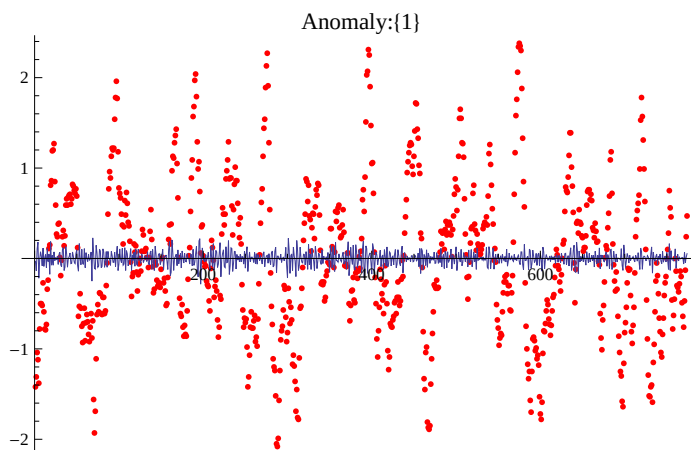
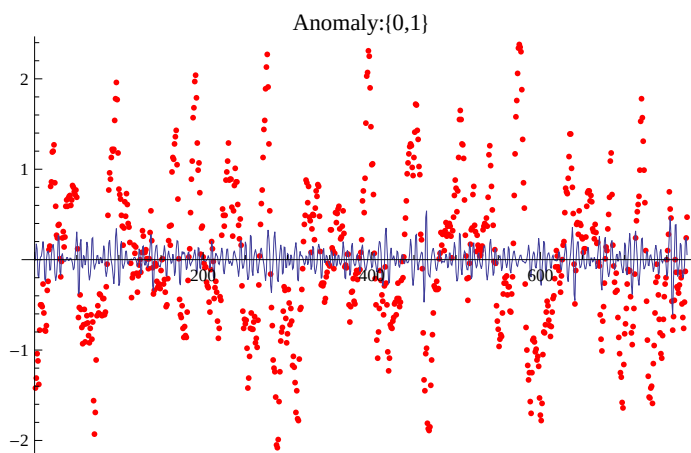
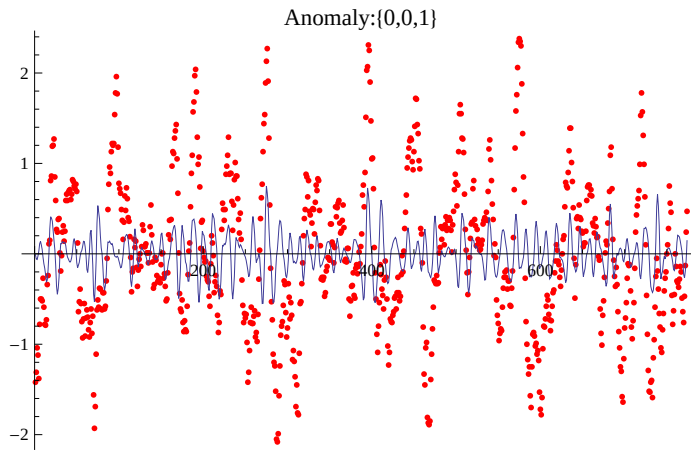
Multiple Trends

The data indicates multiple Trends, as opposed to the usual 1-Trend + Noise:

Daubechies Wavelet [4]

Refinement Index

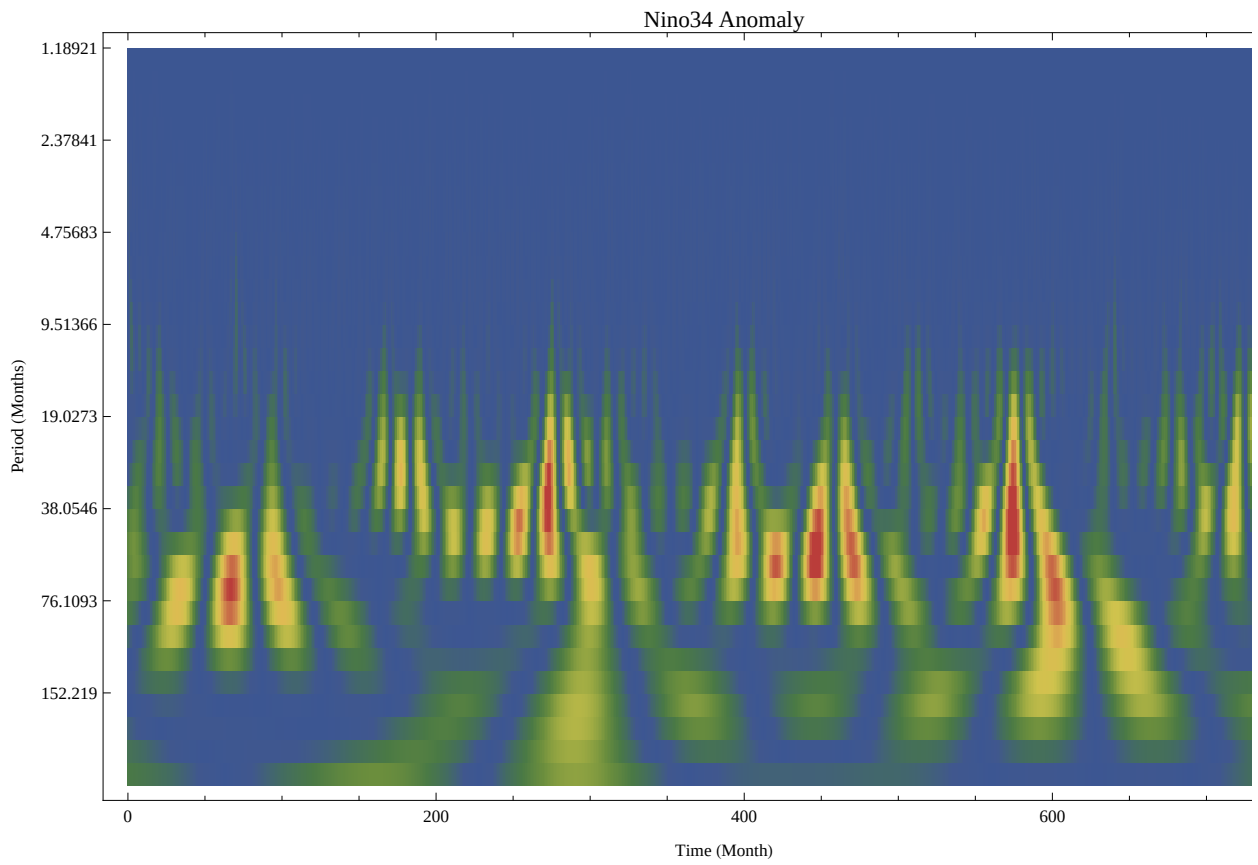


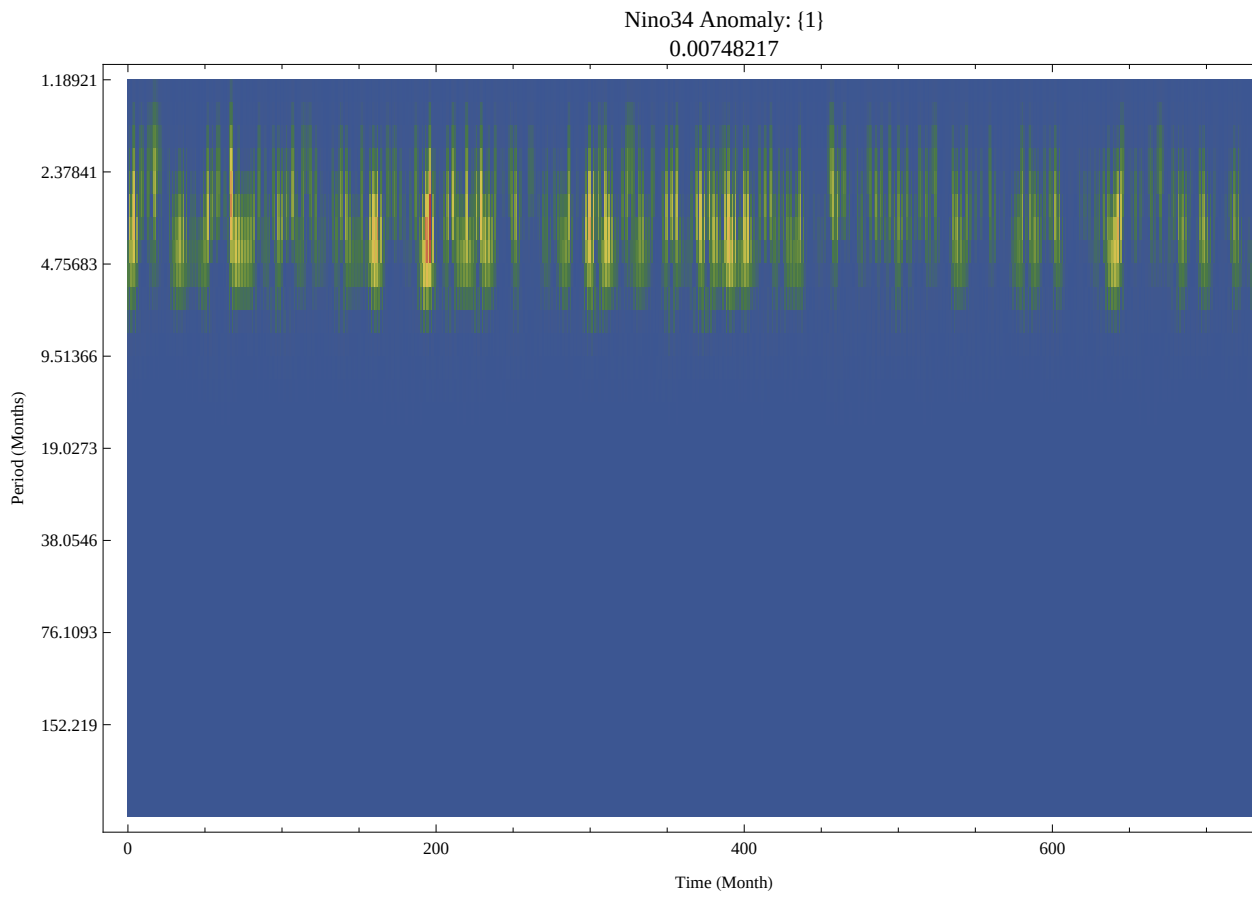


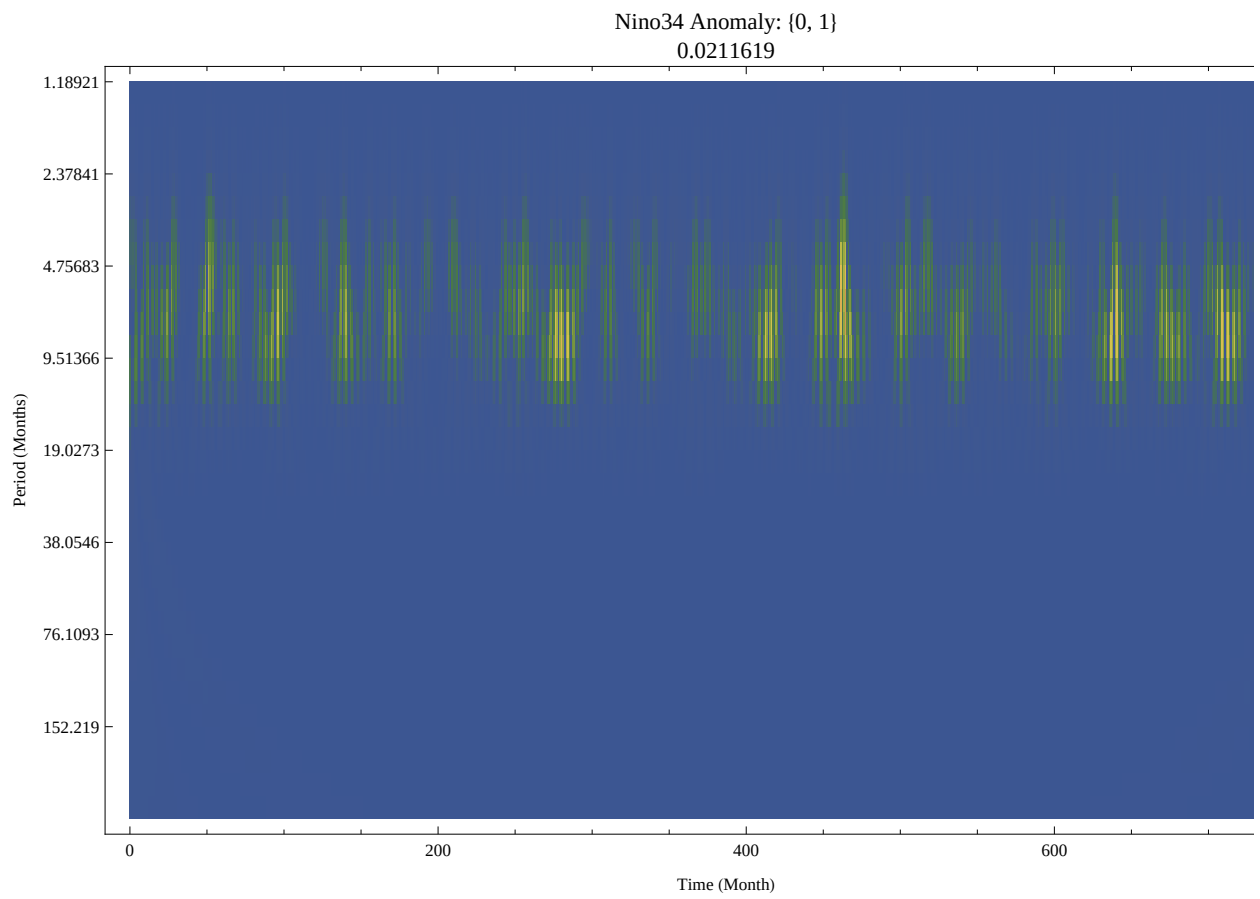
Scalograms

DGaussian Wavelet [4] , un-padded.

Color Scheme: Blue Min, Red Max







Out[66]=

