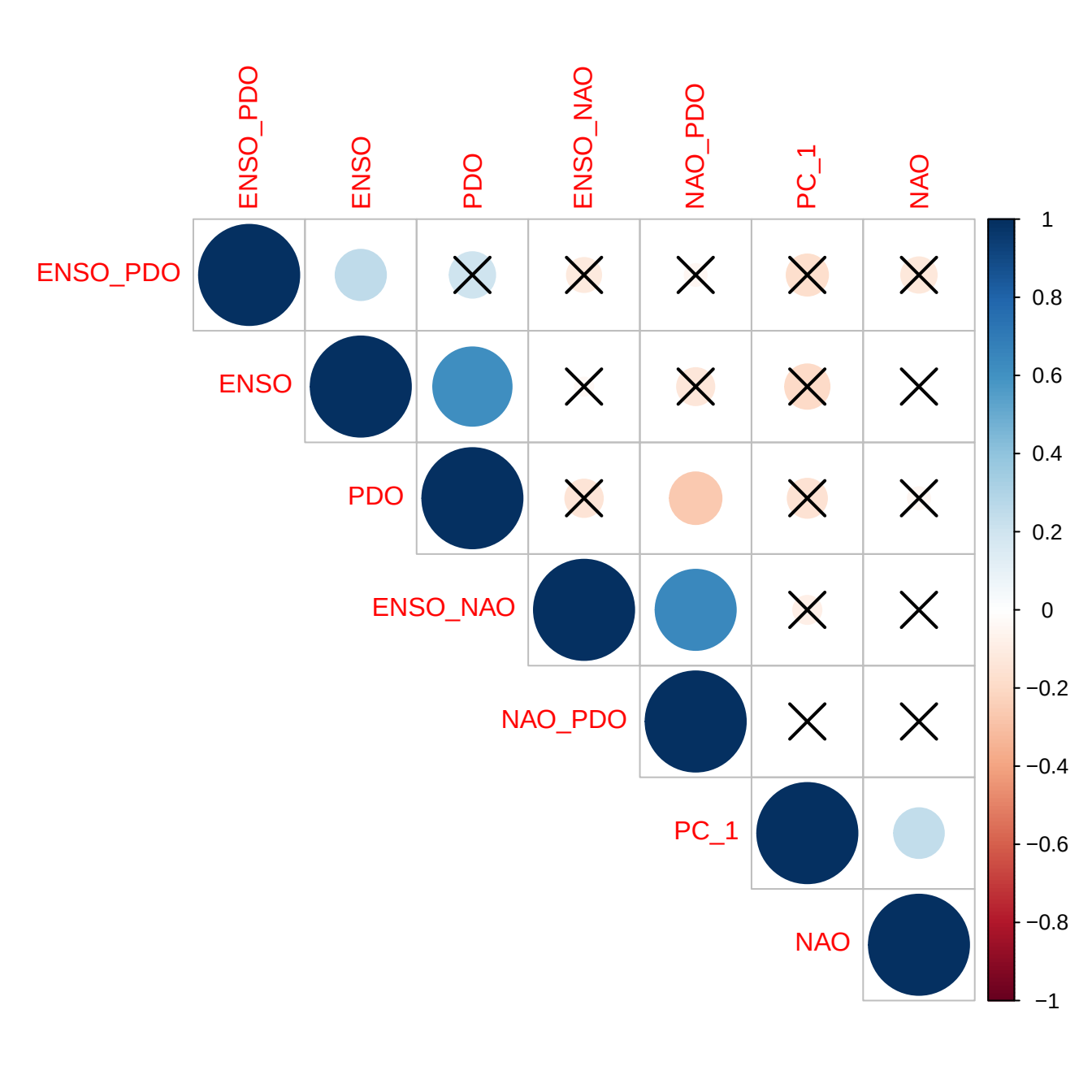
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PDO
ENSO_NAO
NAO_PDO
PC_1
NAO
ENSO_PDO
ENSO
PDO
ENSO_NAO
NAO_PDO
PC_1
NAO
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0.4
0.2
0
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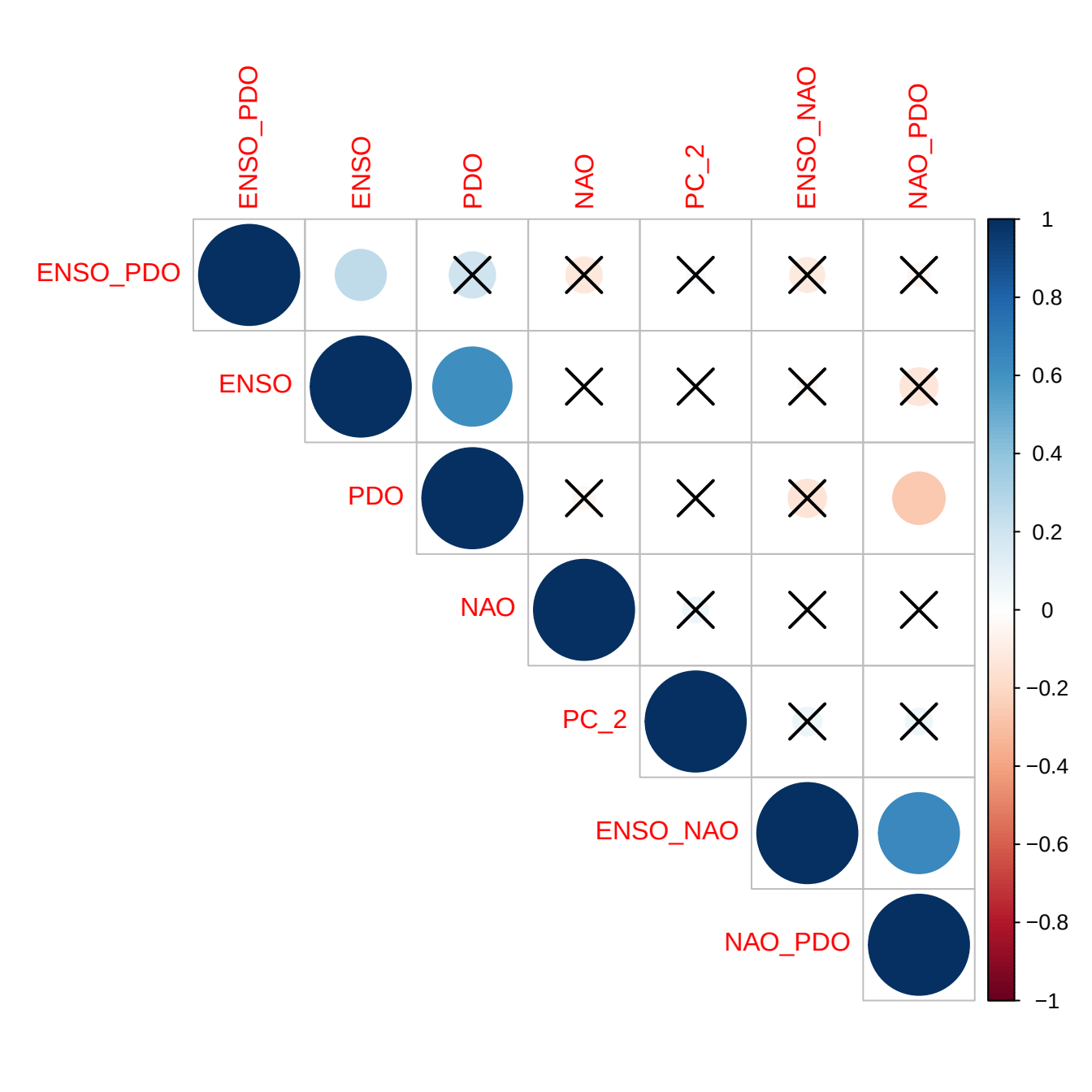
−0.4
−0.6
−0.8
−1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PDO
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PC_2
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NAO_PDO
ENSO_PDO
ENSO
PDO
NAO
PC_2
ENSO_NAO
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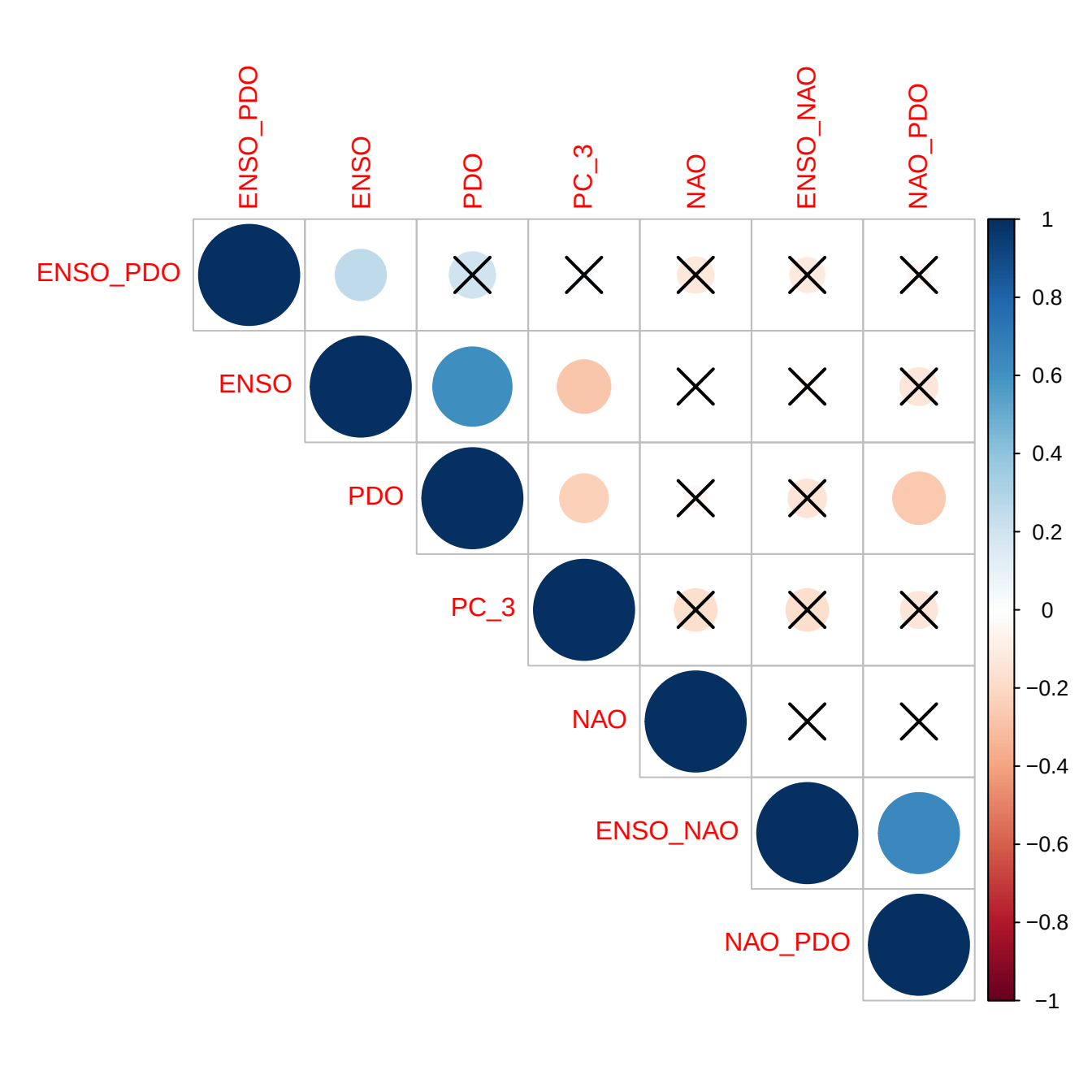
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PDO
PC_3
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ENSO_NAO
NAO_PDO
ENSO_PDO
ENSO
PDO
PC_3
NAO
ENSO_NAO
NAO_PDO
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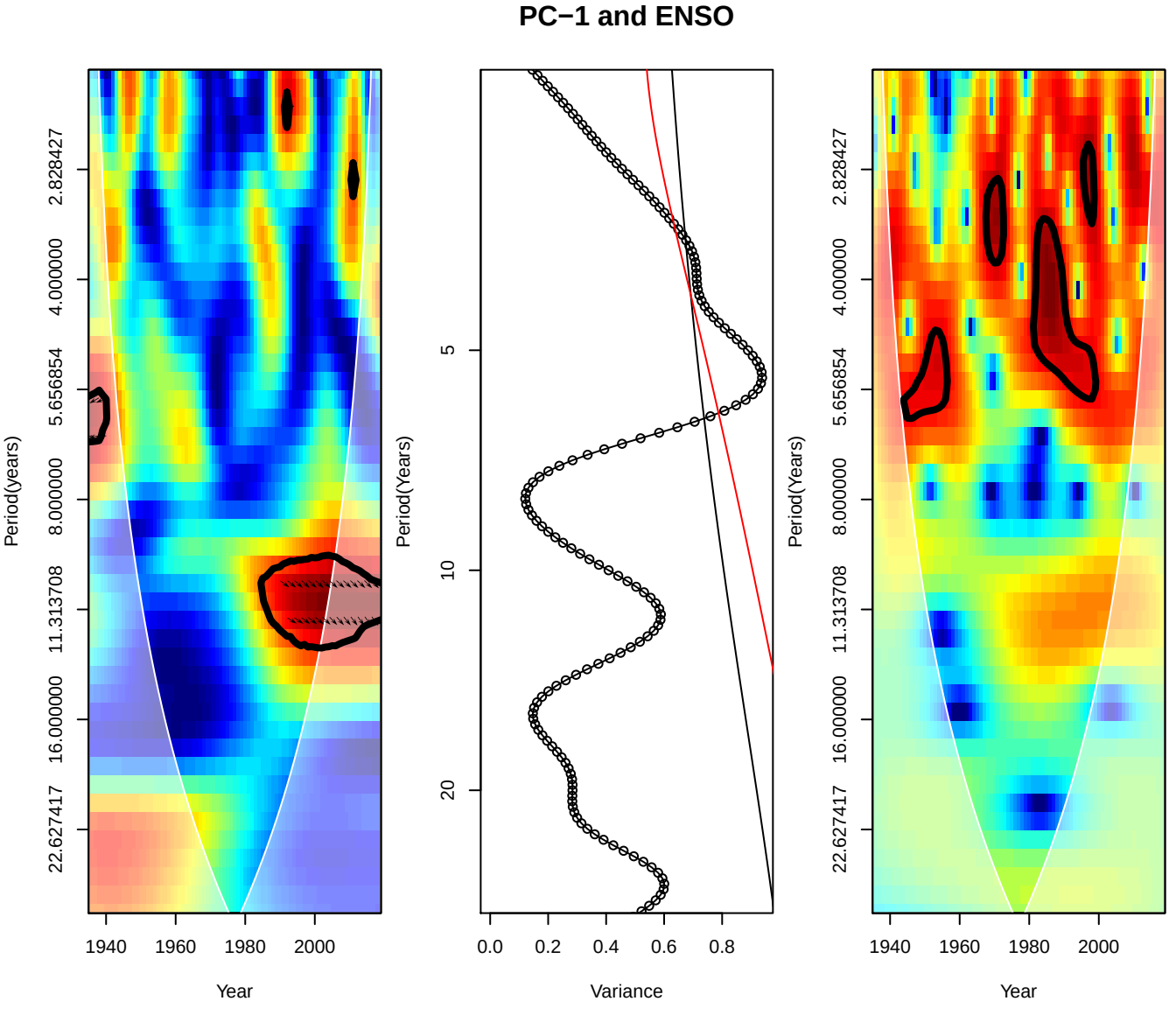
PC−1 and ENSO
Period(years)
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4.000000
5.656854
8.000000
11.313708
16.000000
22.627417
1940
1960
1980
2000
Year
Wavelet Coherence
PC−1 and ENSO
Period(Years)
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10
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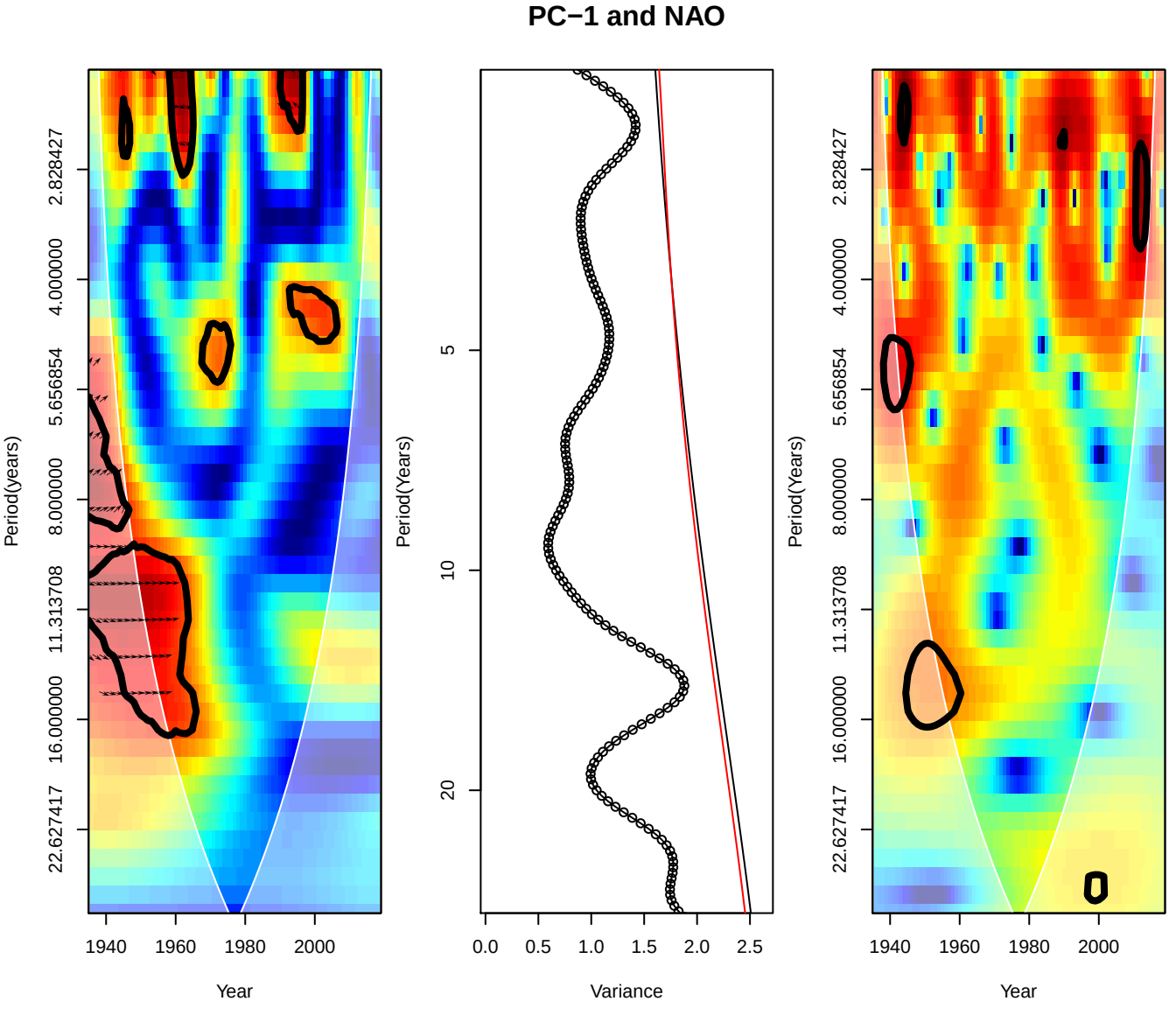
0.2
0.4
0.6
0.8
Variance
Global Wavelet Spectrum
ENSO
Wavelet Power Spectrum
ENSO


PC−1 and NAO
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1980
2000
Year
Wavelet Coherence
PC−1 and NAO
Period(Years)
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10
20
0.0
0.5
1.0
1.5
2.0
2.5
Variance
Global Wavelet Spectrum
NAO
Period(Years)
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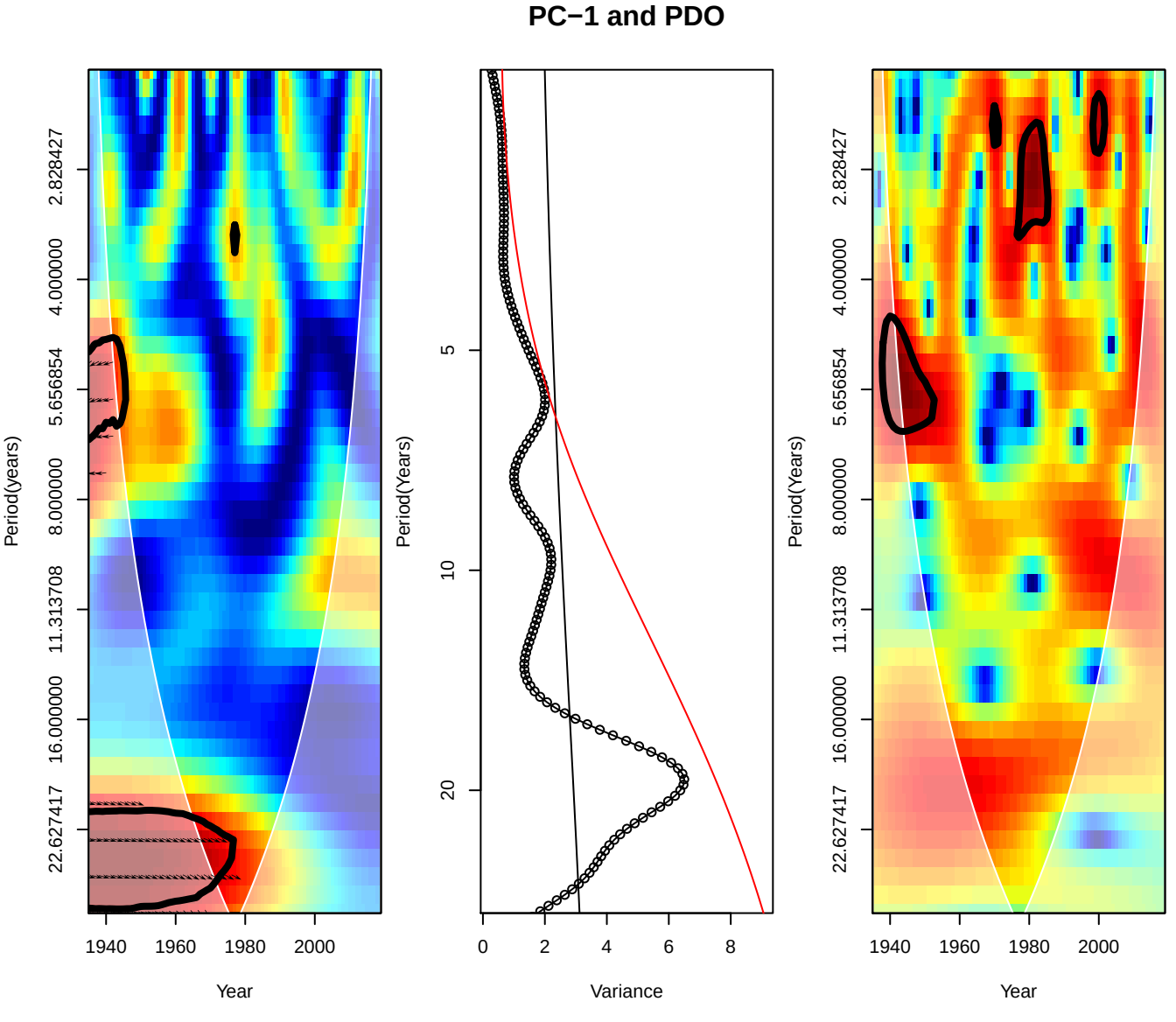
1960
1980
2000
Year
Wavelet Power Spectrum
NAO


PC−1 and PDO
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Wavelet Coherence
PC−1 and PDO
Period(Years)
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Global Wavelet Spectrum
PDO
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22.627417
1940
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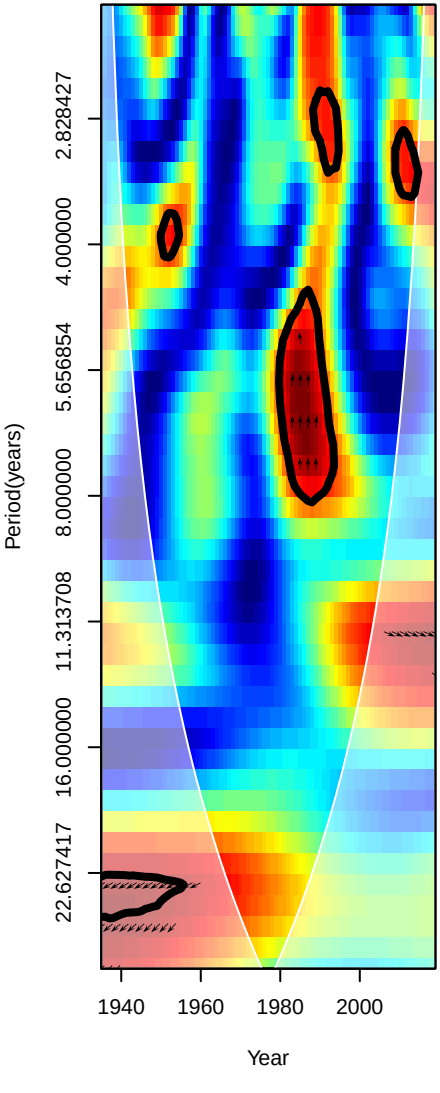
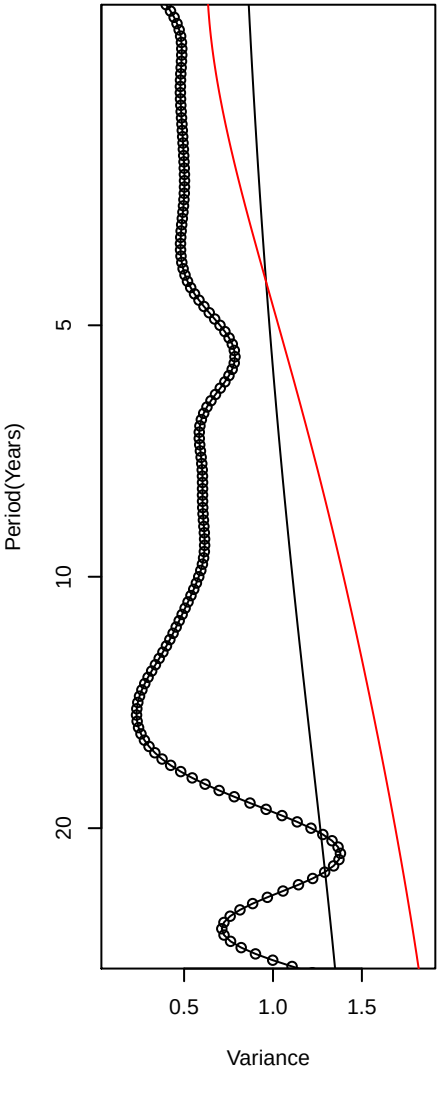
1980
2000
Year
Wavelet Power Spectrum
PDO

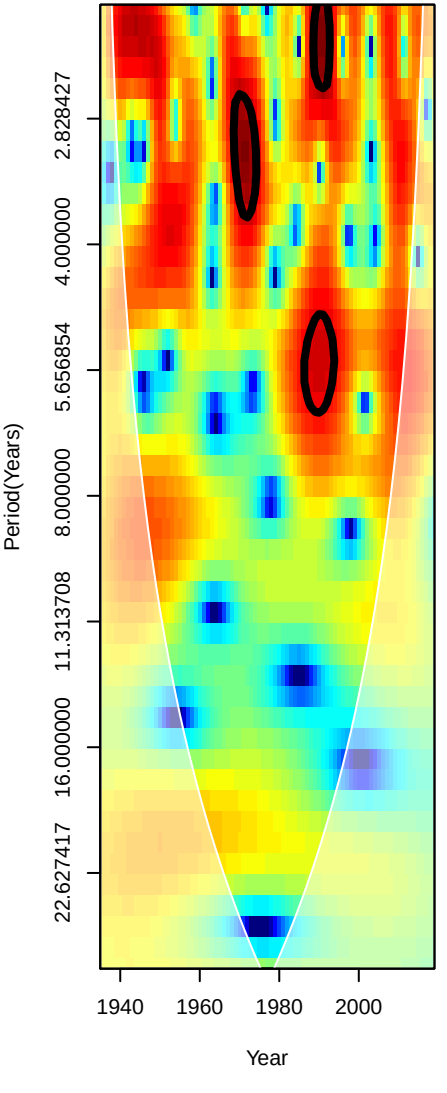
PC−1 and ENSO_NAO



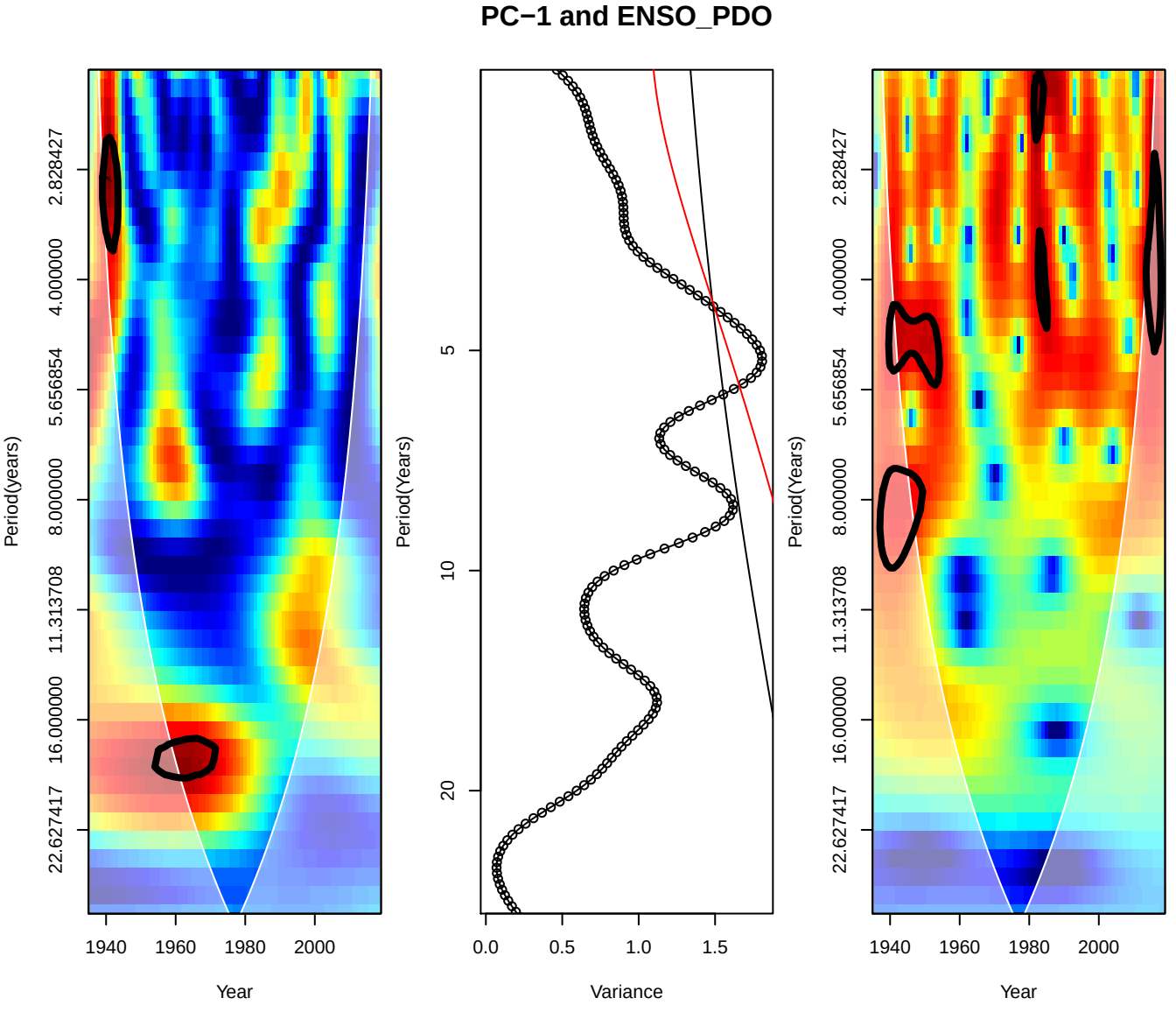
Wavelet Coherence
PC−1 and ENSO_NAO



Global Wavelet Spectrum
ENSO_NAO



Wavelet Power Spectrum
ENSO_NAO


PC−1 and ENSO_PDO
Period(years)
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2000
Year
Wavelet Coherence
PC−1 and ENSO_PDO
Period(Years)
5
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20
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1.0
1.5
Variance
Global Wavelet Spectrum
ENSO_PDO
Period(Years)
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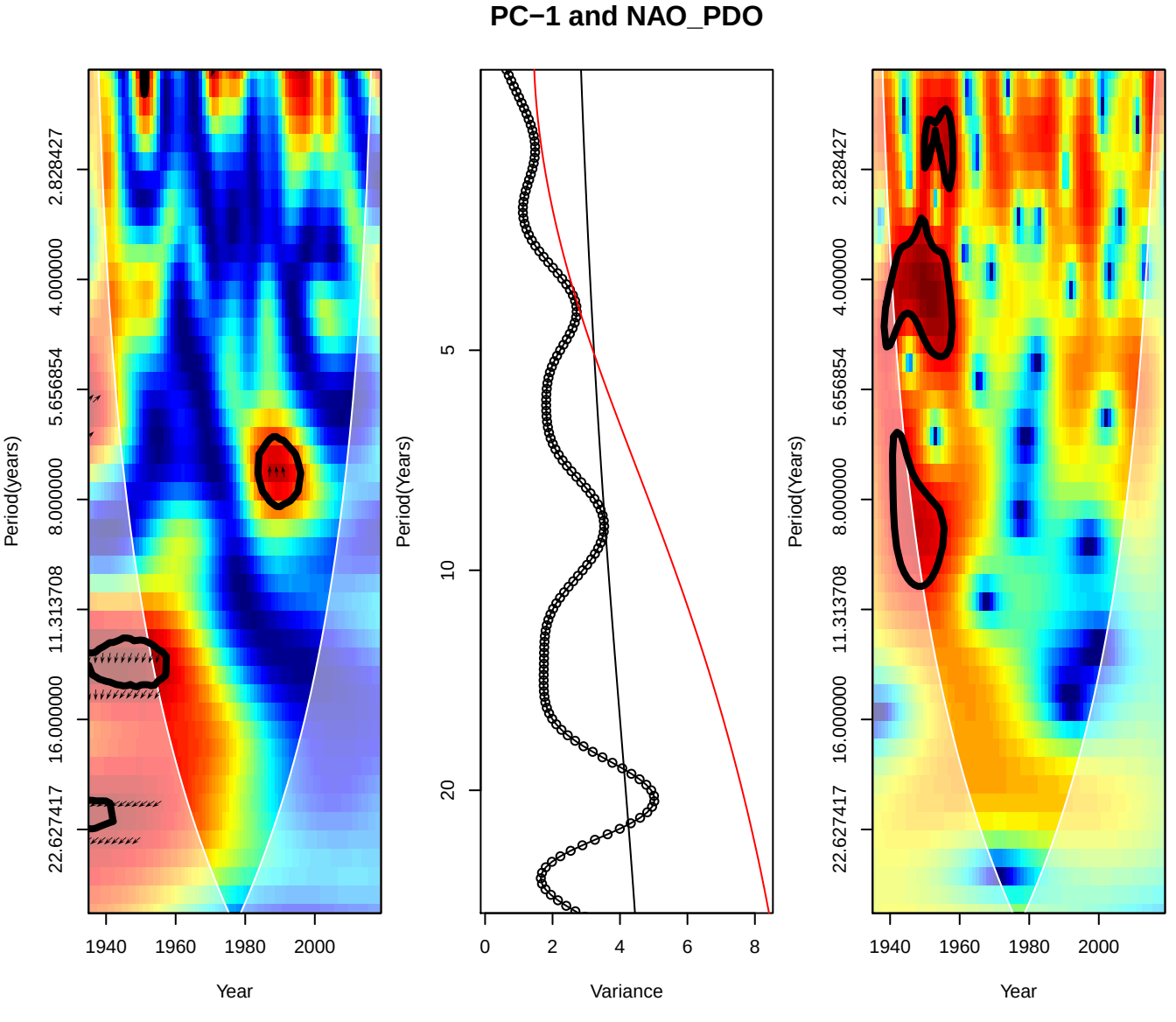
Year
Wavelet Power Spectrum
ENSO_PDO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1960
1980
2000
Year
Wavelet Coherence
PC−1 and NAO_PDO
Period(Years)
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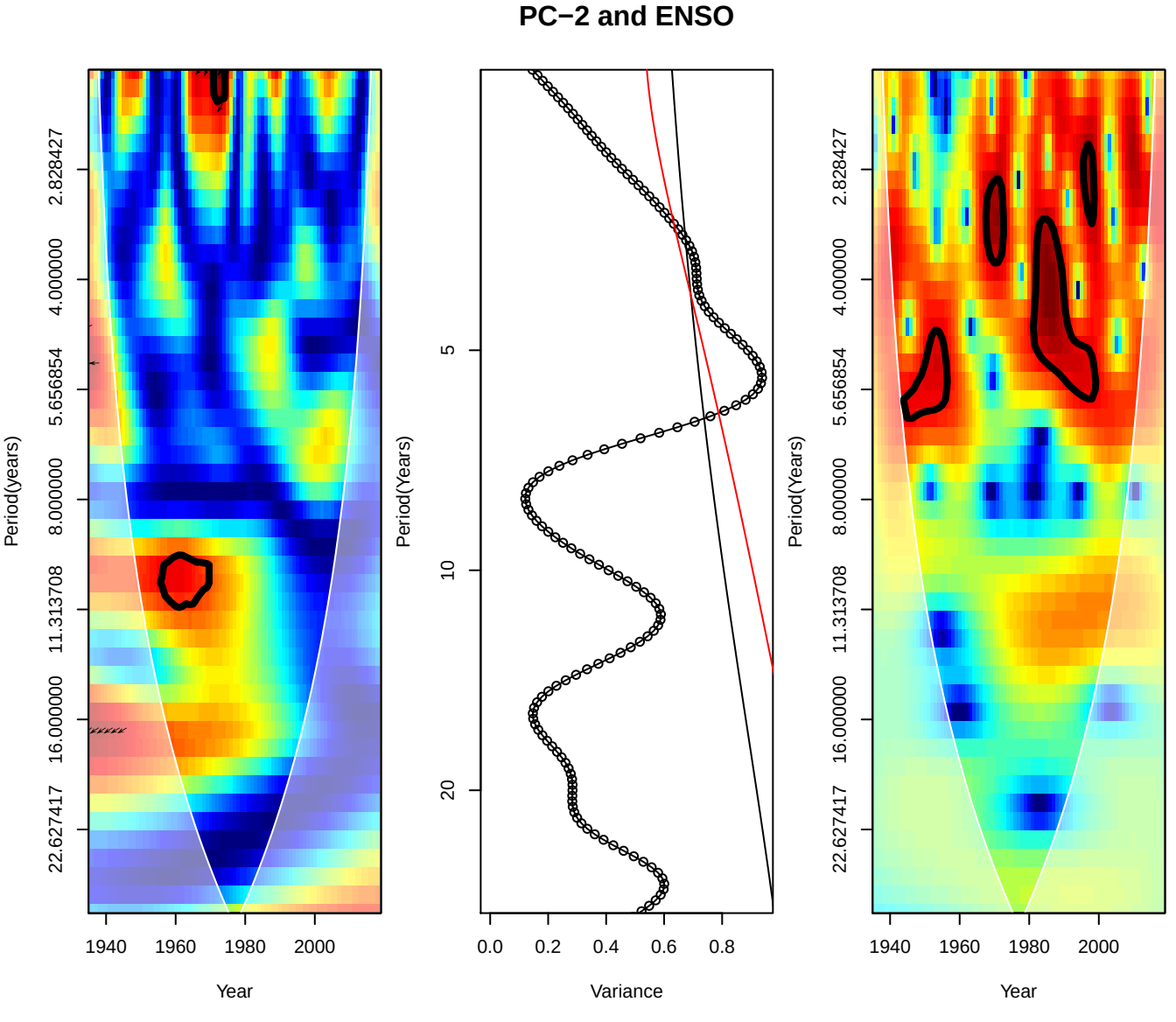
Variance
Global Wavelet Spectrum
NAO_PDO
Wavelet Power Spectrum
NAO_PDO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1960
1980
2000
Year
Wavelet Coherence
PC−2 and ENSO
Period(Years)
5
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20
0.0
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0.8
Variance
Global Wavelet Spectrum
ENSO
Period(Years)
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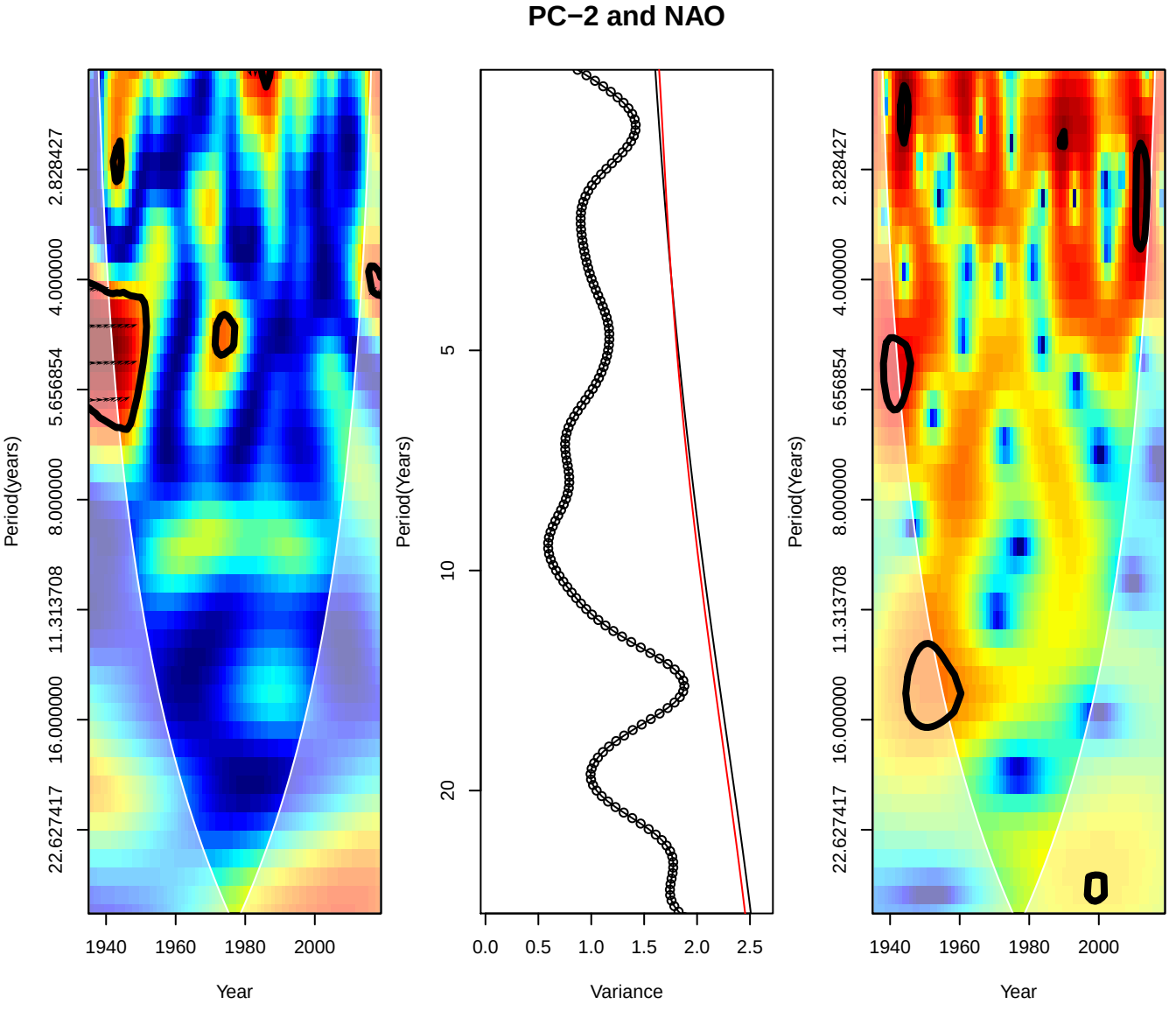
Year
Wavelet Power Spectrum
ENSO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Year
Wavelet Coherence
PC−2 and NAO
Period(Years)
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20
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1.5
2.0
2.5
Variance
Global Wavelet Spectrum
NAO
Period(Years)
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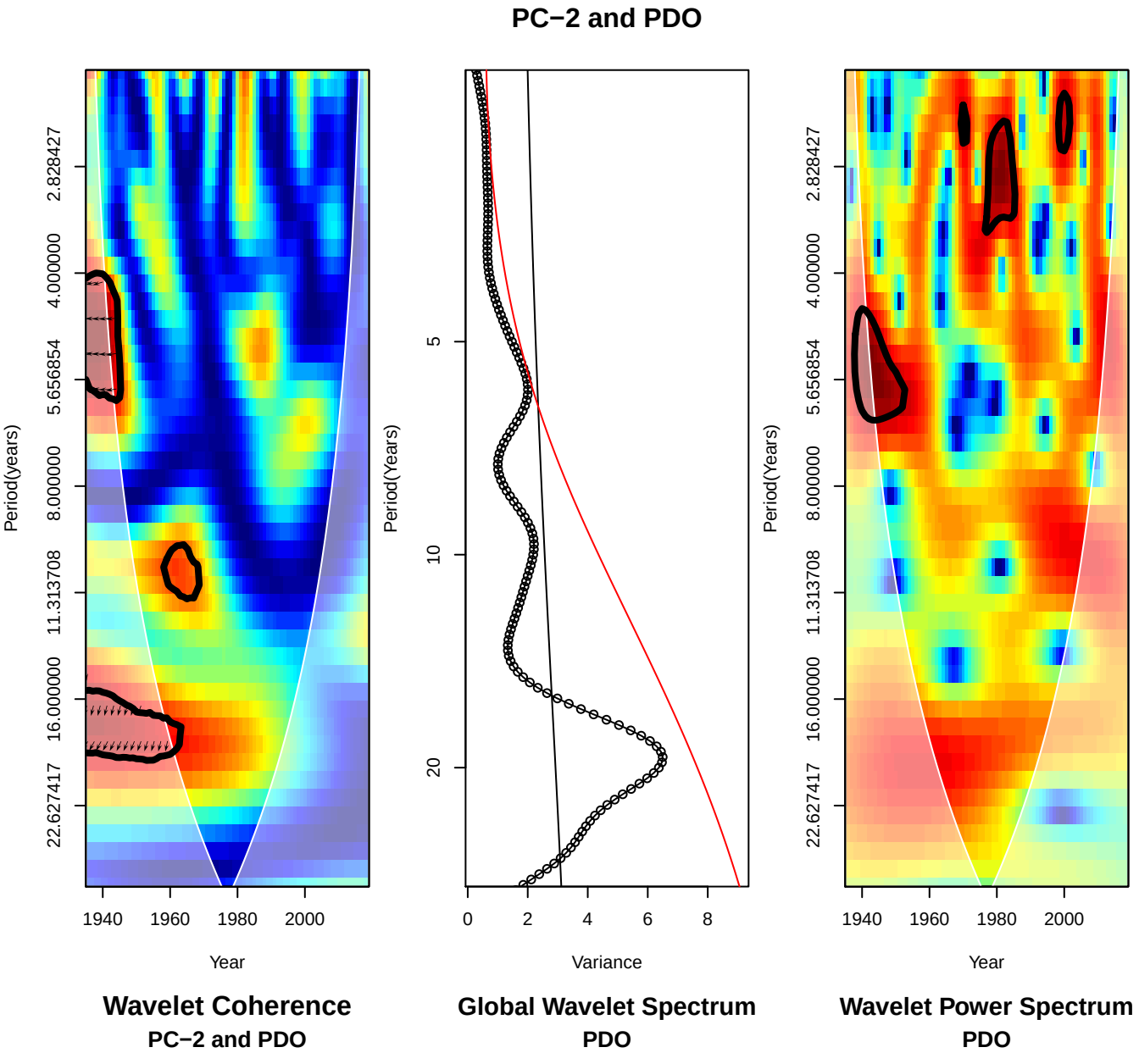
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Year
Wavelet Coherence
PC−2 and PDO
Period(Years)
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Variance
Global Wavelet Spectrum
PDO
Period(Years)
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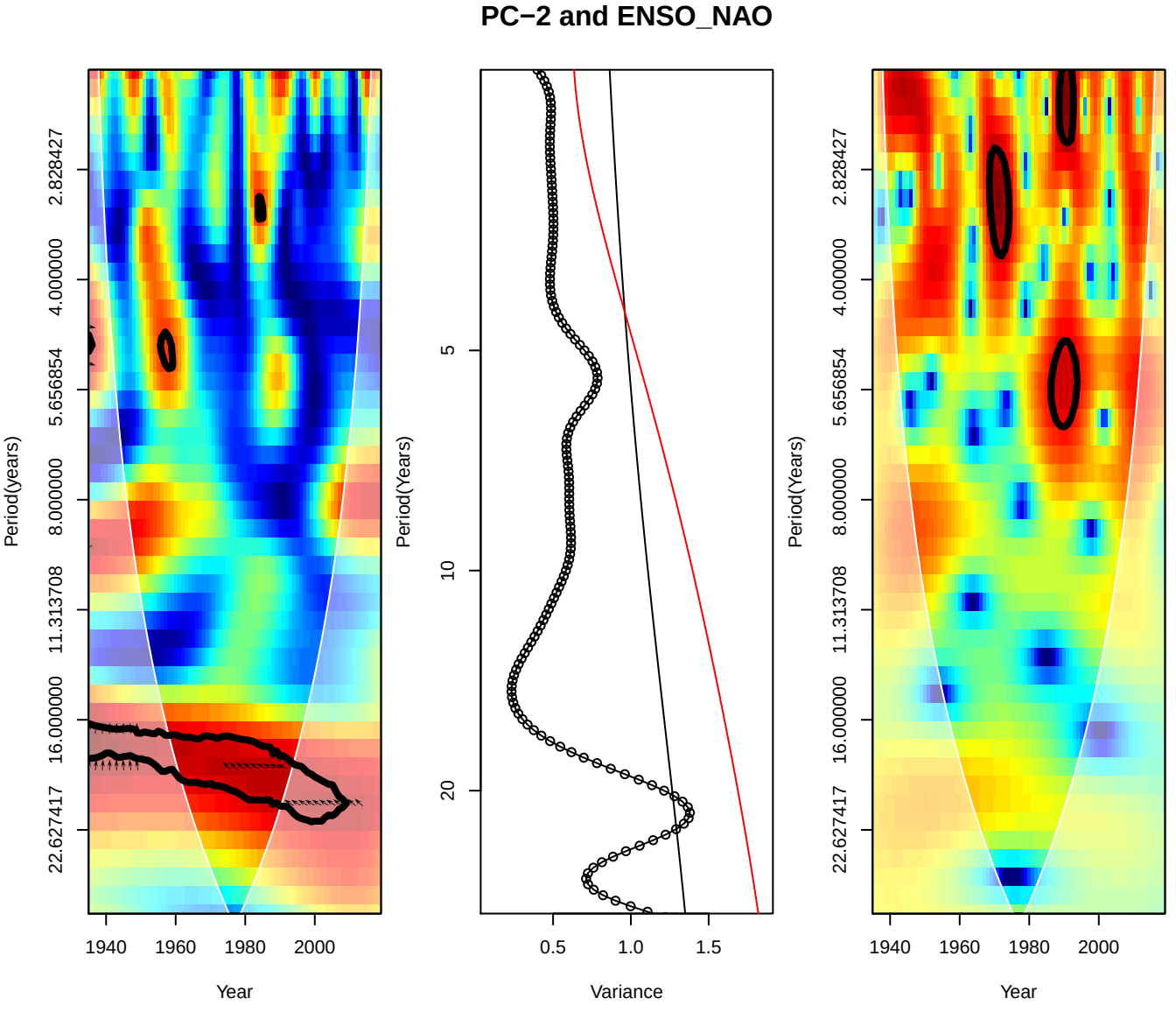
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2000
Year
Wavelet Coherence
PC−2 and ENSO_NAO
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Variance
Global Wavelet Spectrum
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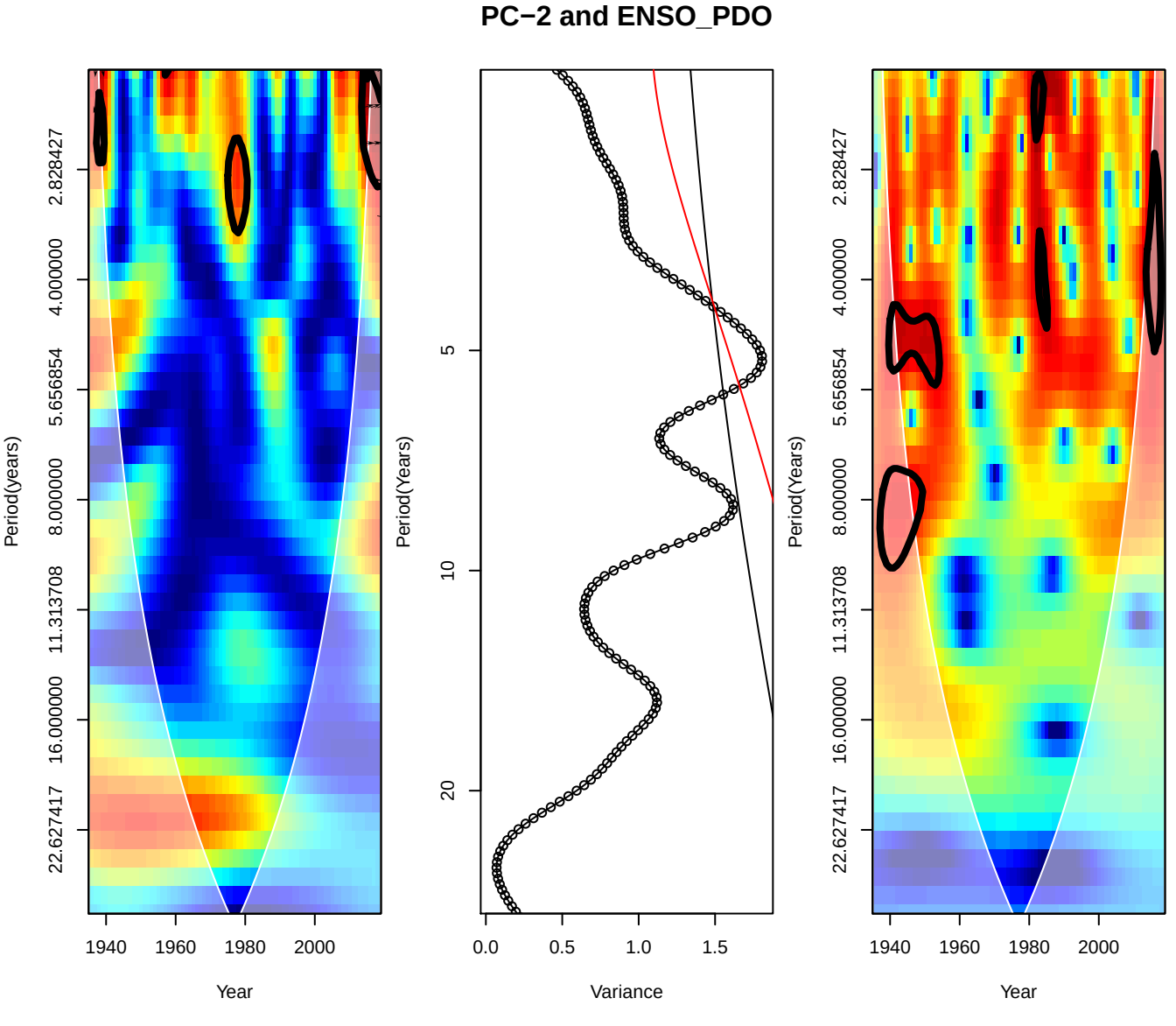
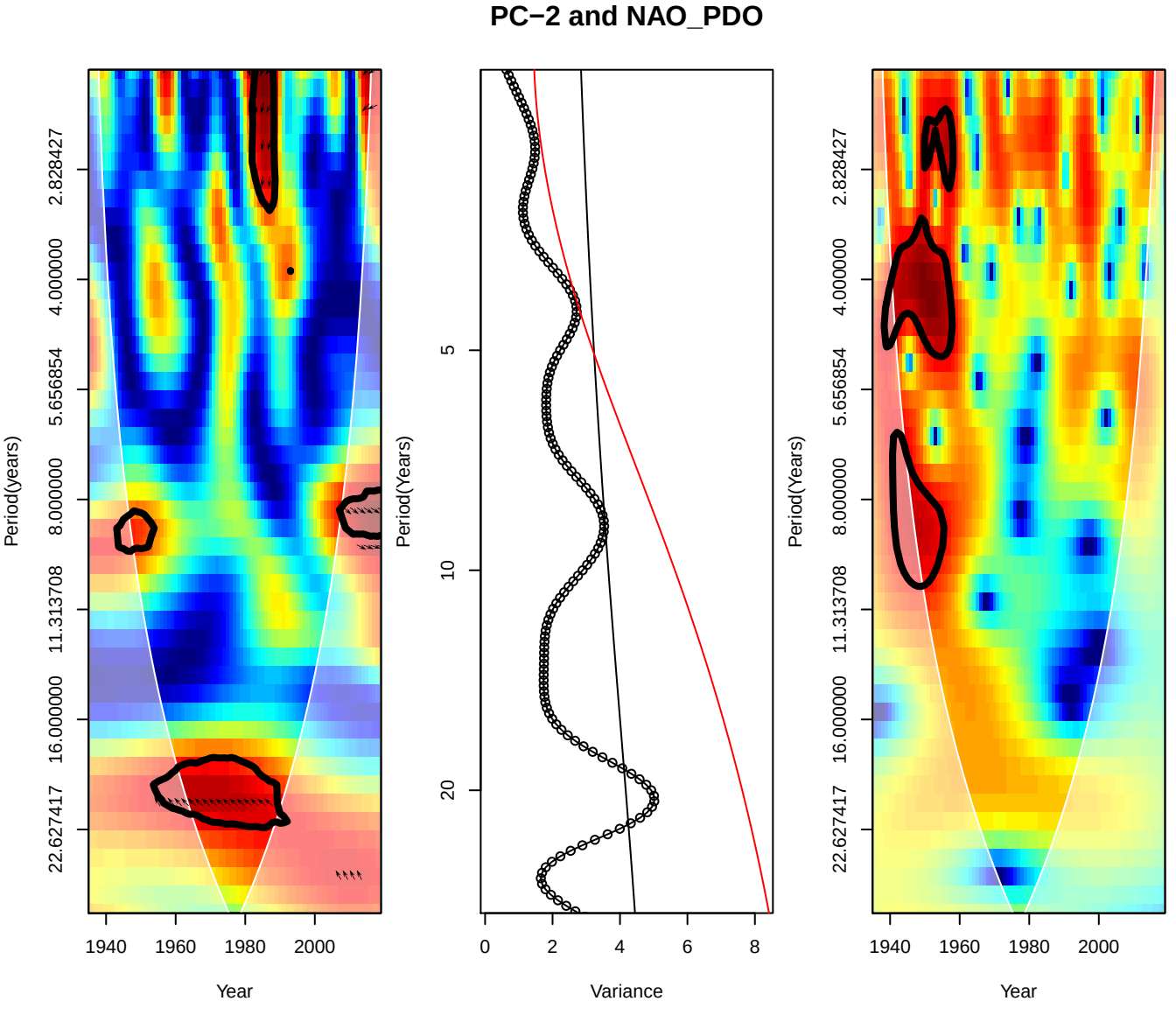
Wavelet Power Spectrum
ENSO_NAO



Wavelet Coherence
PC−2 and ENSO_PDO

Global Wavelet Spectrum
ENSO_PDO

Wavelet Power Spectrum
ENSO_PDO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Year
Wavelet Coherence
PC−2 and NAO_PDO
Period(Years)
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Variance
Global Wavelet Spectrum
NAO_PDO
Period(Years)
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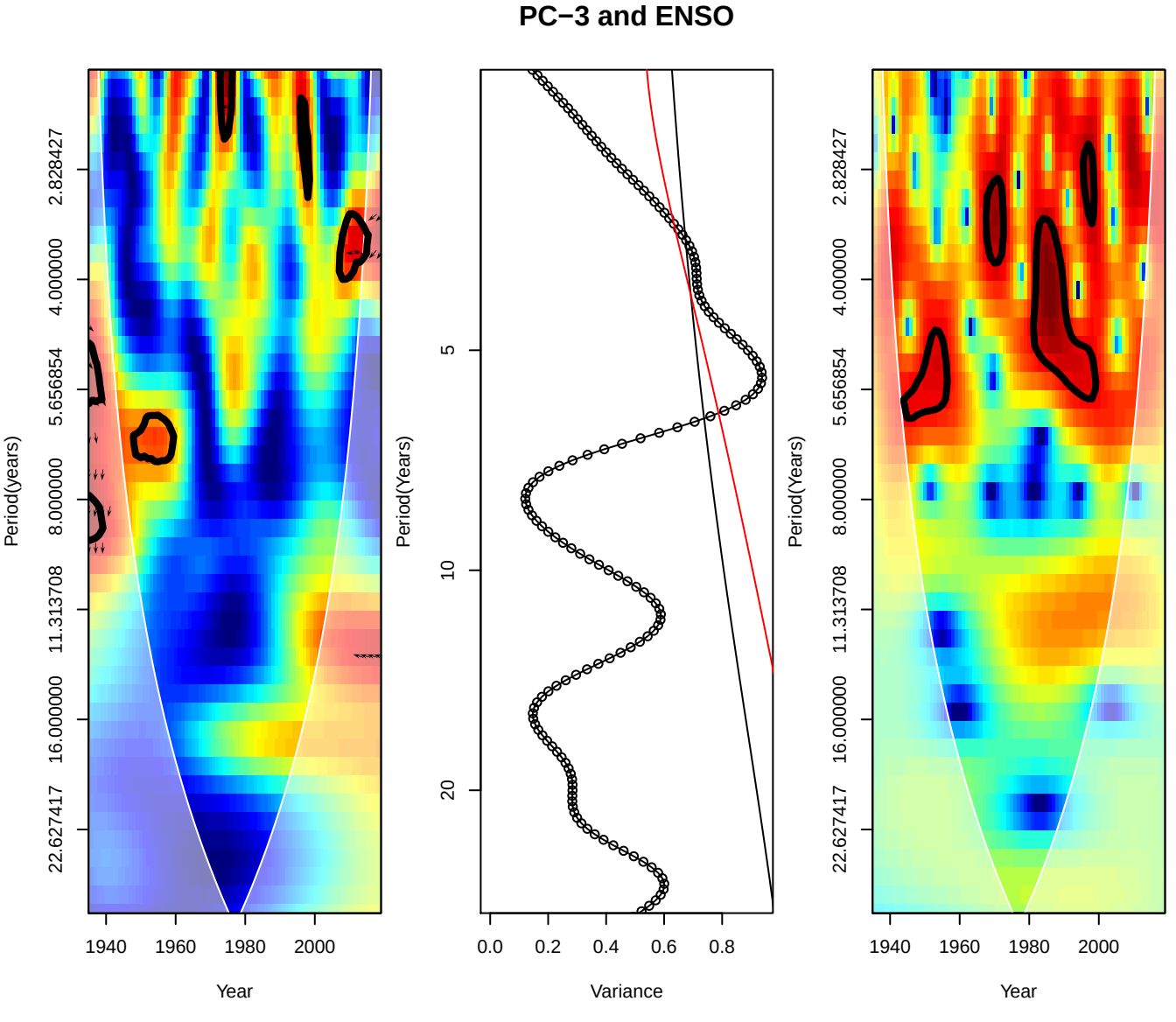
Wavelet Power Spectrum
NAO_PDO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2000
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Wavelet Coherence
PC−3 and ENSO
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Variance
Global Wavelet Spectrum
ENSO
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Wavelet Power Spectrum
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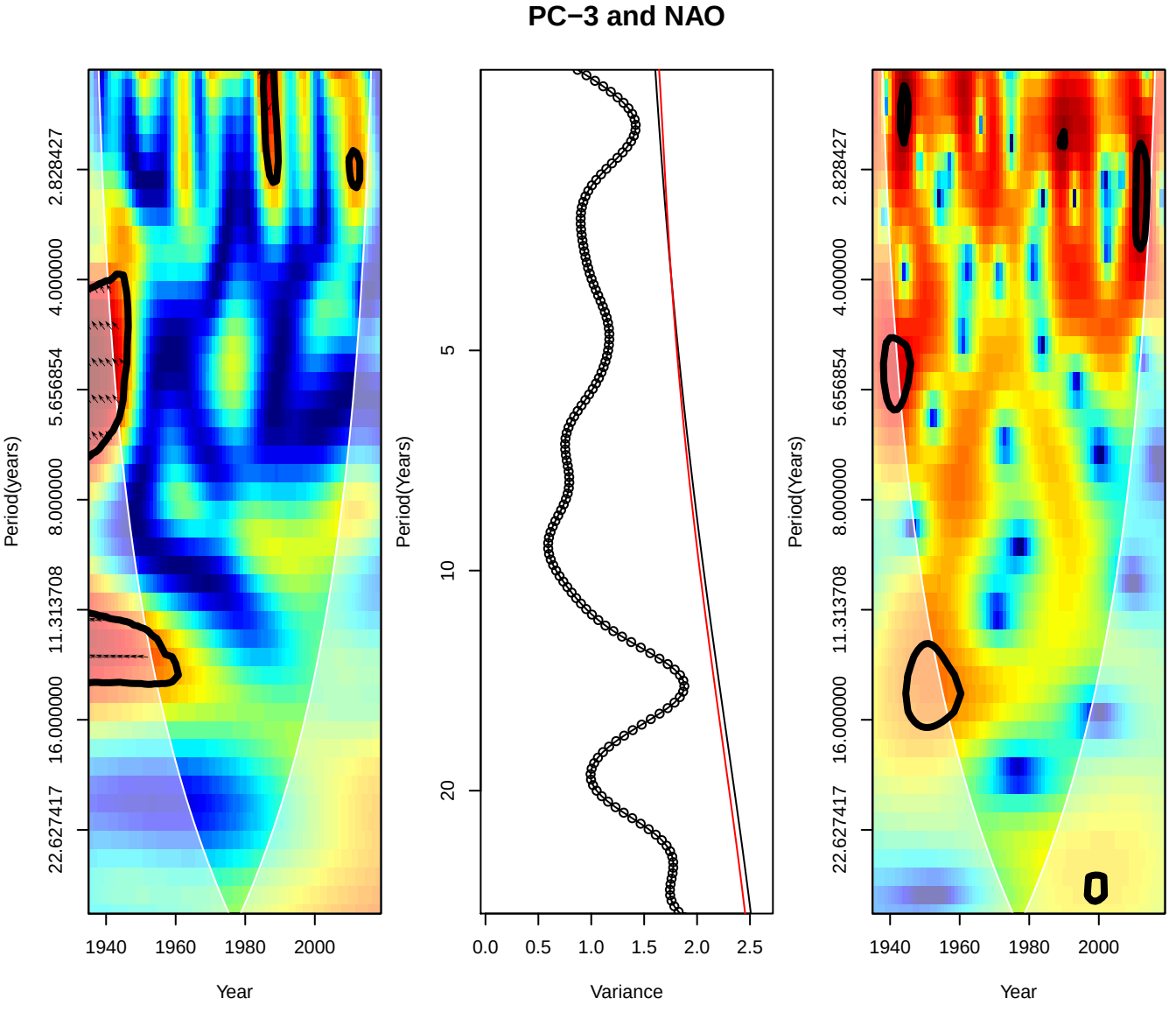
PC−3 and NAO
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Year
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PC−3 and NAO
Period(Years)
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Variance
Global Wavelet Spectrum
NAO
Period(Years)
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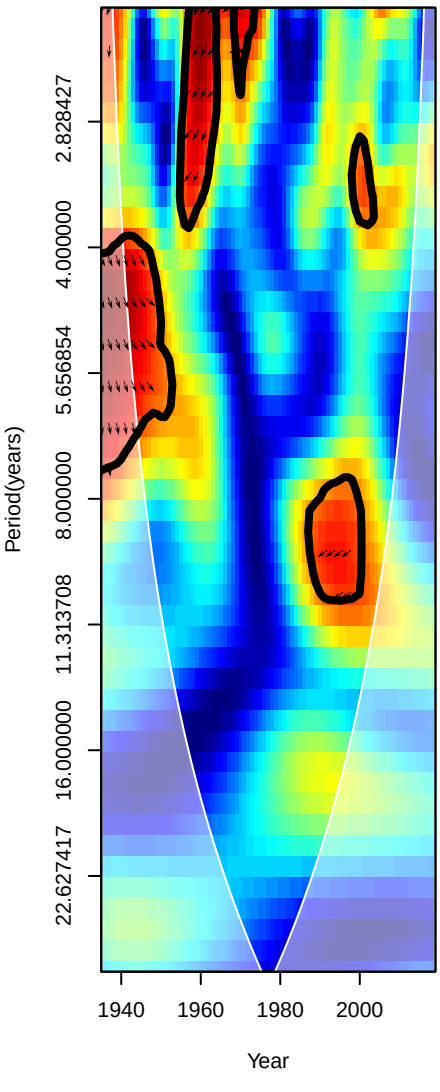
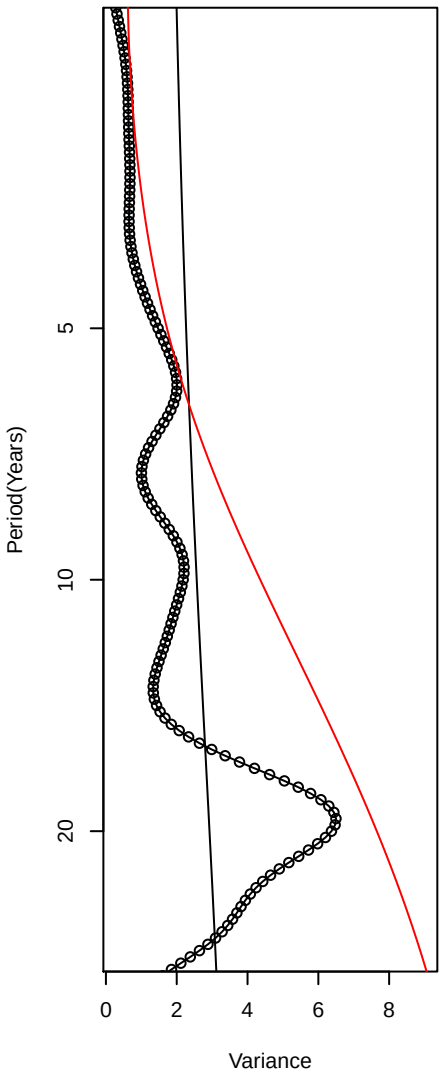
Year
Wavelet Power Spectrum
NAO

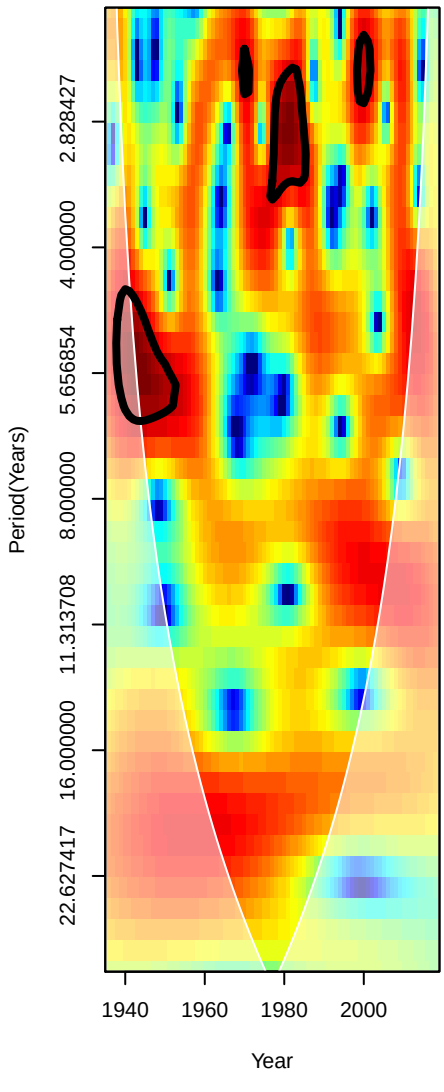
PC−3 and PDO



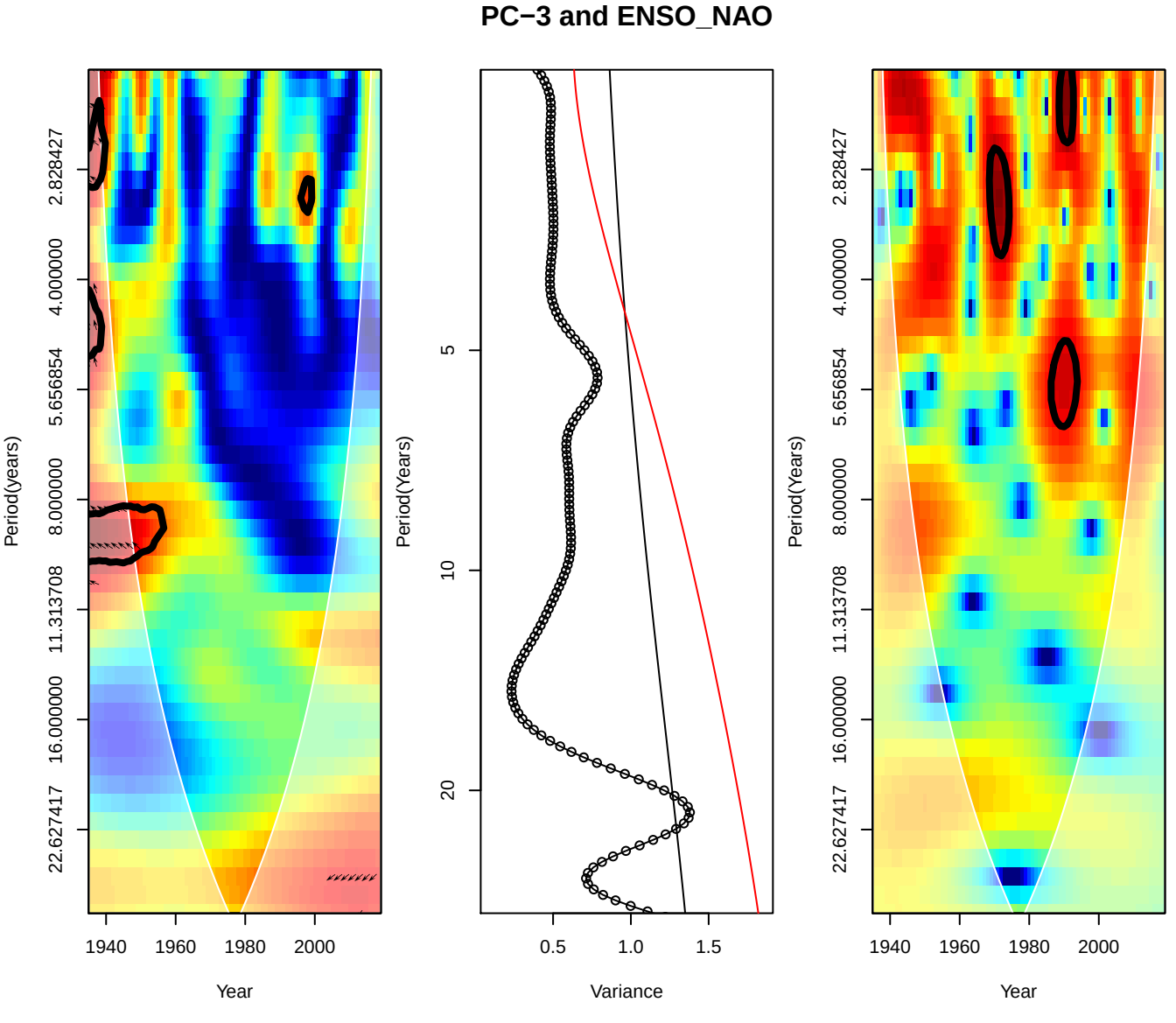
Wavelet Coherence
PC−3 and PDO



Global Wavelet Spectrum
PDO



Wavelet Power Spectrum
PDO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Year
Wavelet Coherence
PC−3 and ENSO_NAO
Period(Years)
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Variance
Global Wavelet Spectrum
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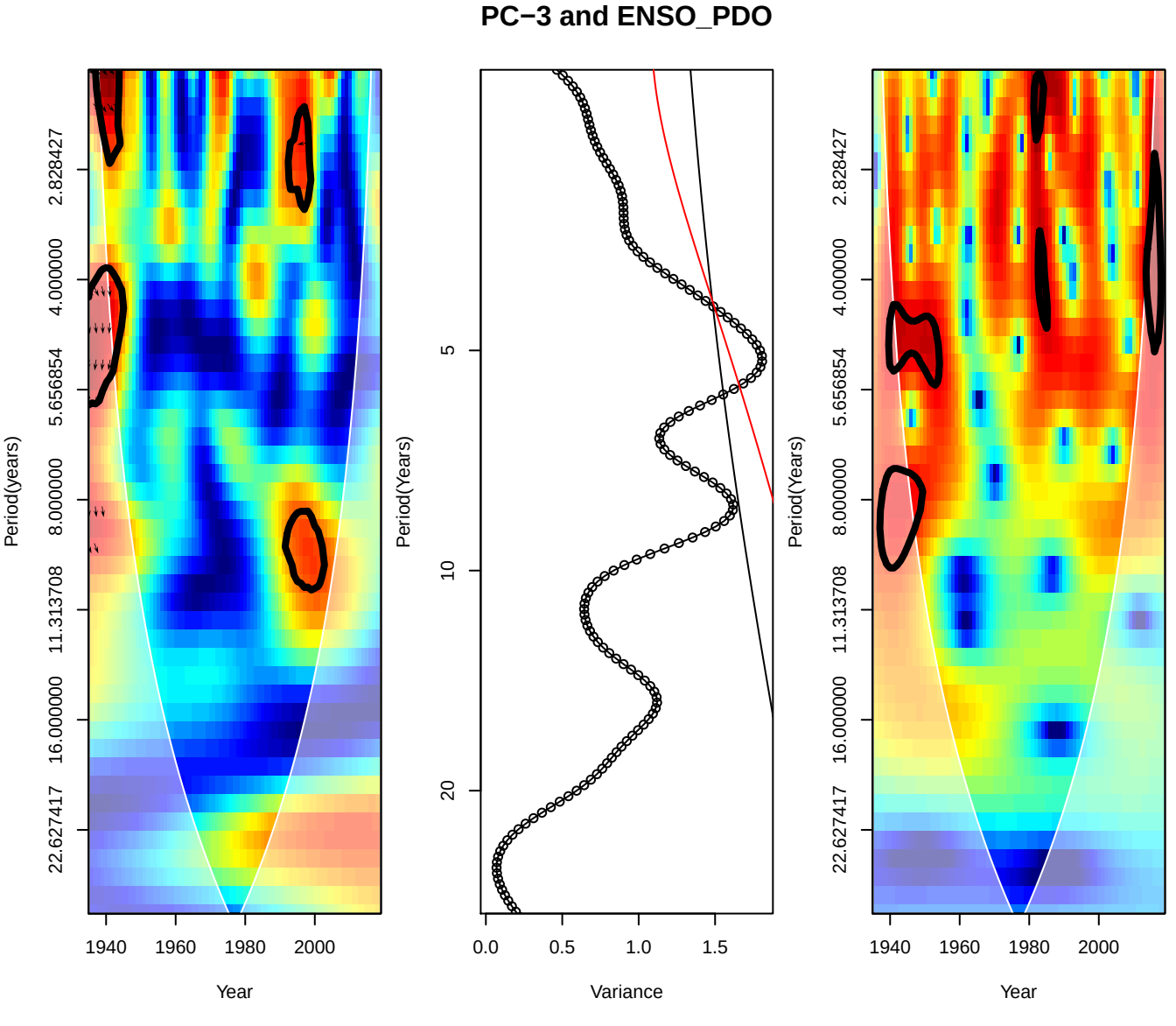
Period(Years)
Wavelet Power Spectrum
ENSO_NAO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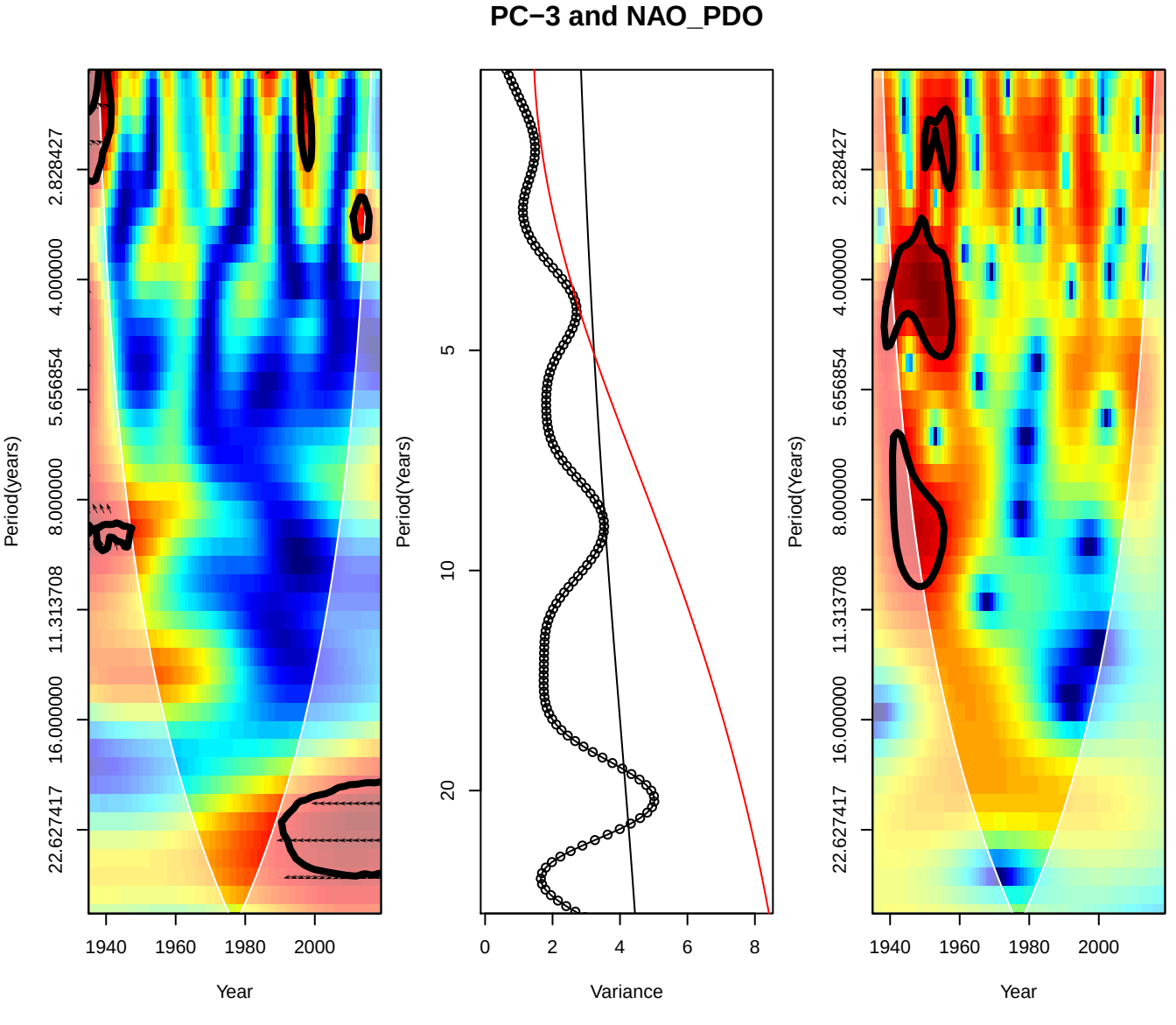
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