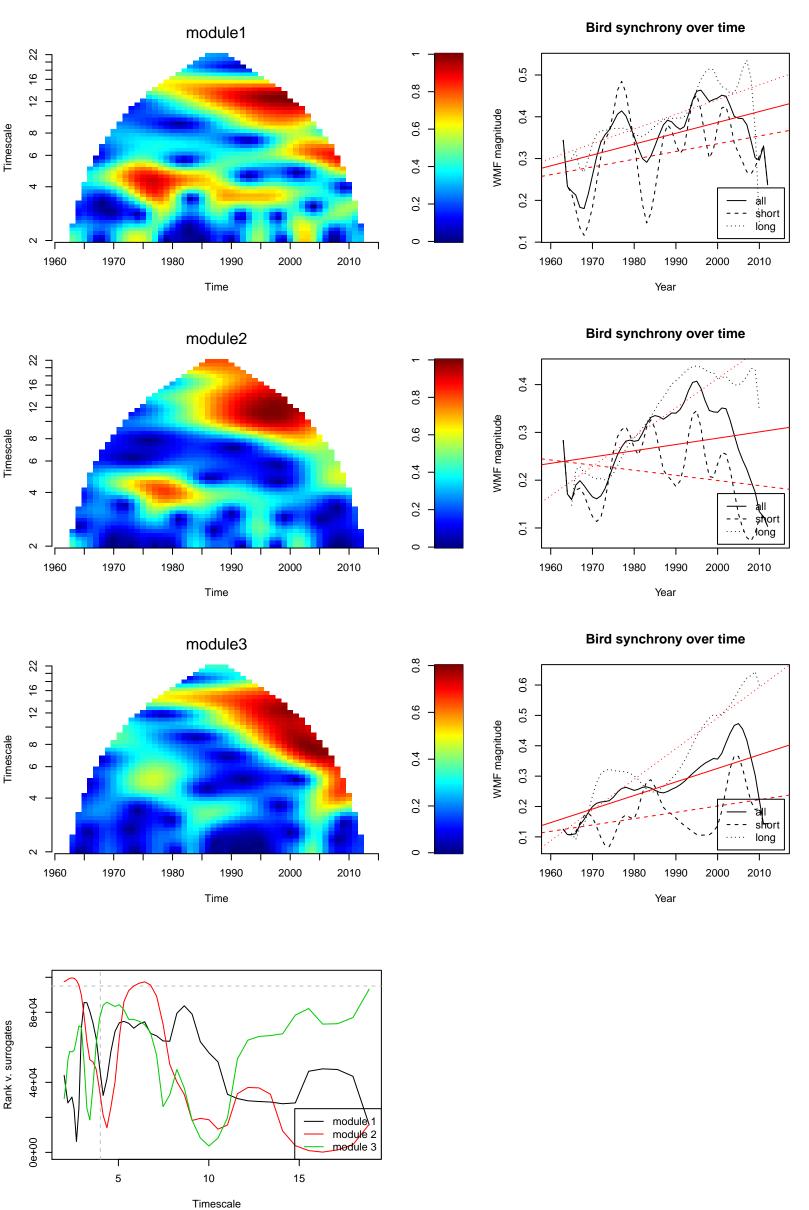
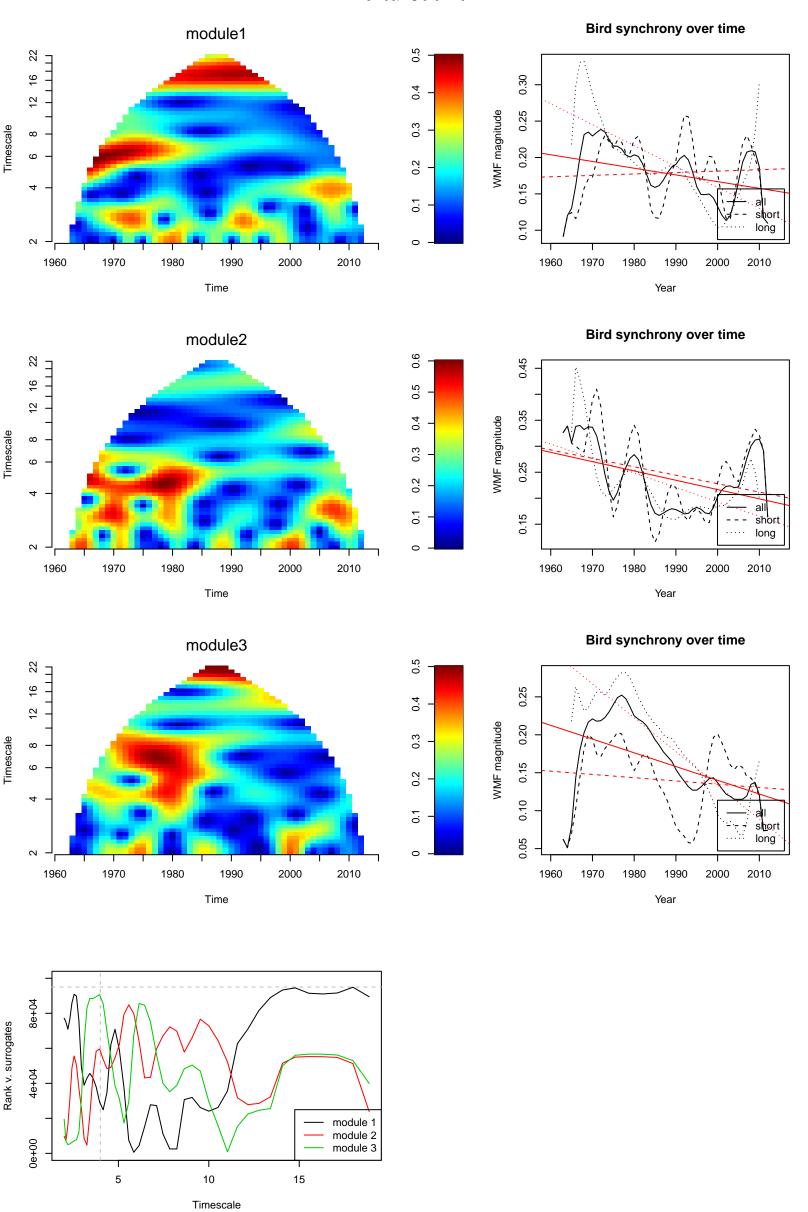
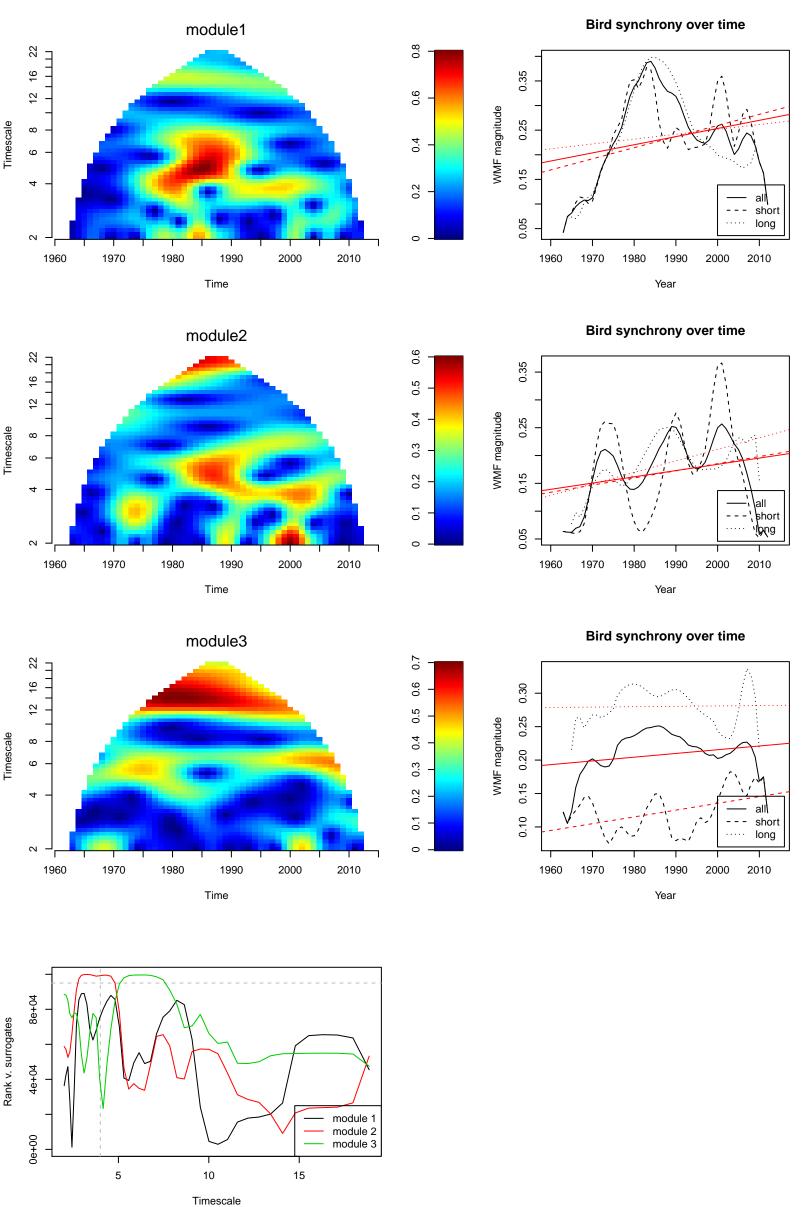
### AmericanCoot



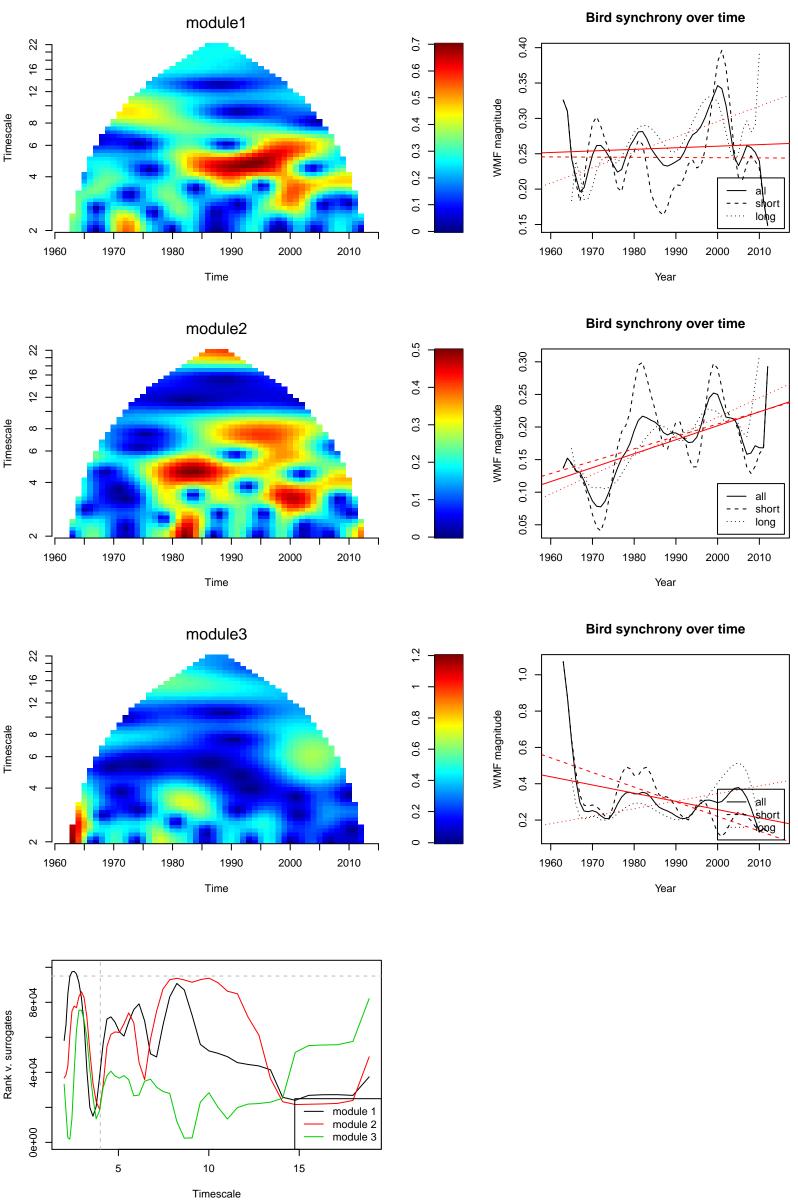
### AmericanGoldfinch



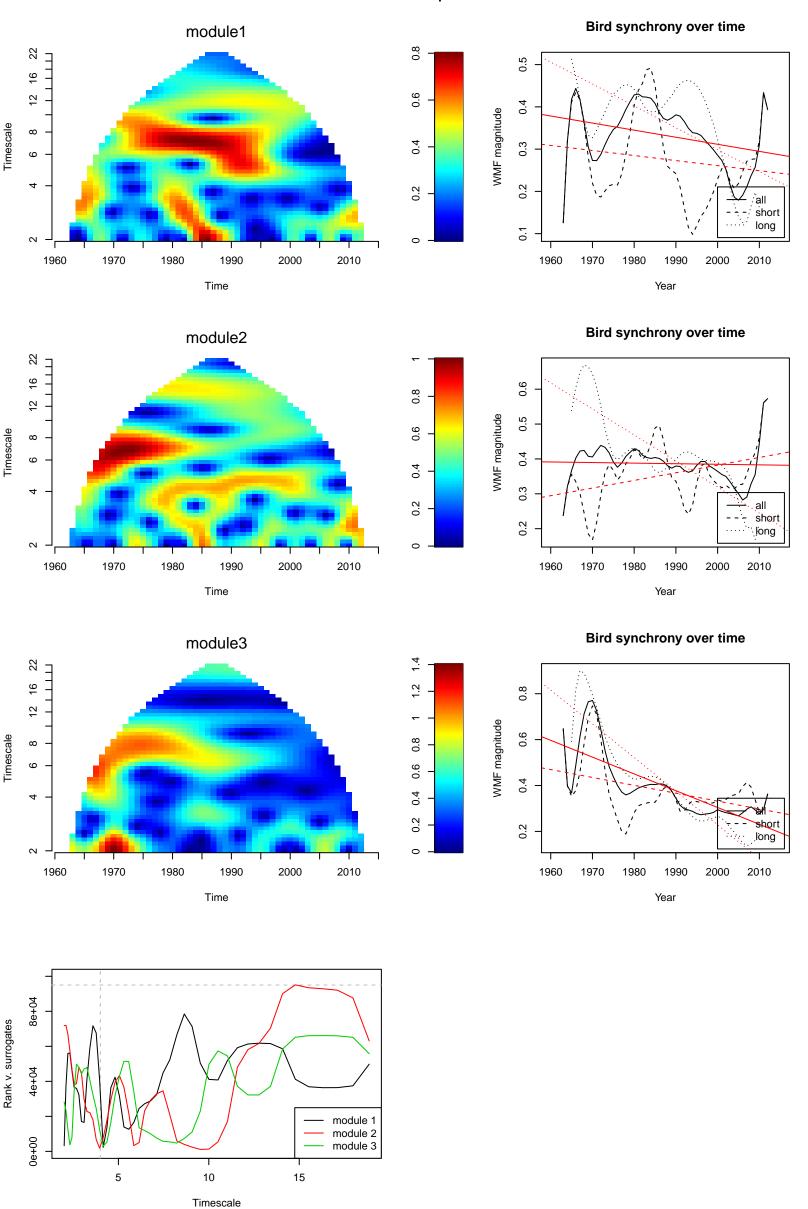
# AmericanKestrel



# AmericanRobin



### AmericanTreeSparrow



#### BeltedKingfisher Bird synchrony over time module1 0.7 22 0.4 9.0 16 12 0.3 0.5 WMF magnitude 0.4 Timescale $\infty$ 0.2 9 0.3 0.2 0.1 0.1 . short . long 0 1960 1970 2000 2010 1960 1970 1980 2010 1980 1990 1990 2000 Time Year Bird synchrony over time module2 0.7 22 0.40 9.0 16 12 0.5 0.30 WMF magnitude 0.4 Timescale ω 9 0.3 0.20 0.2 all short 0.1 0.10 long 0 1960 1970 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 Time Year Bird synchrony over time module3 9.0 22 16 0.5 12 0.30 0.4 WMF magnitude Timescale $\infty$ 0.3 0.20 0.2 0.1 0.10 0 1970 1980 2010 1960 1990 2000 2010 1960 1970 1980 2000 1990 Time Year 8e+04 Rank v. surrogates 4e+04 module 1 module 2 module 3

0e+00

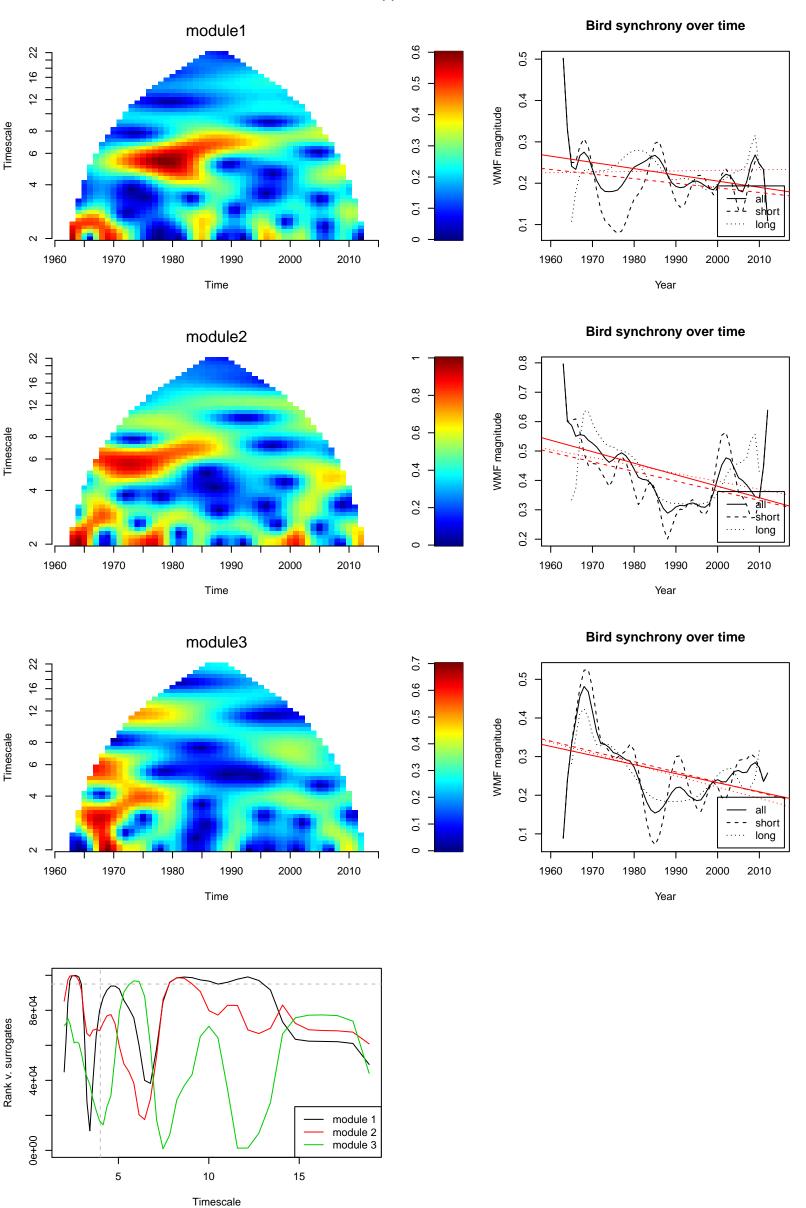
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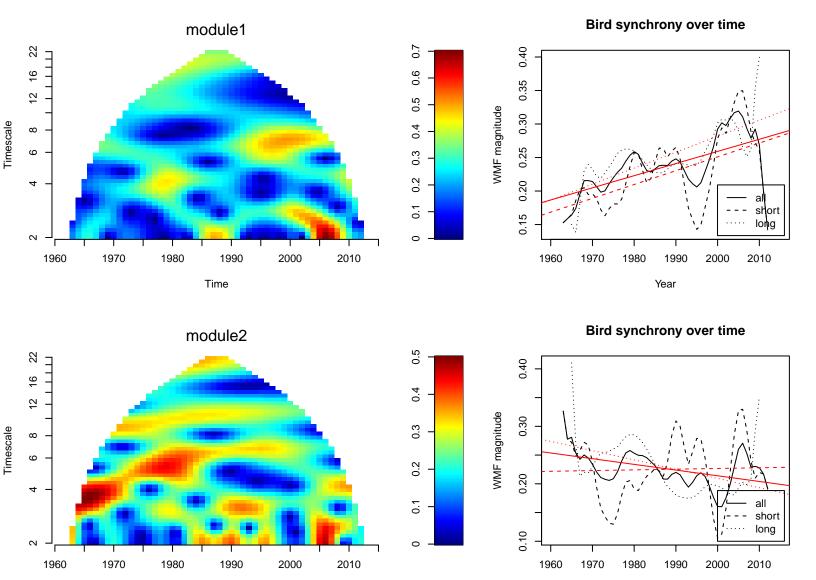
Timescale

15

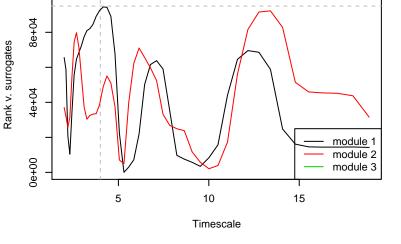
# BlackCappedChickadee



# BlueJay



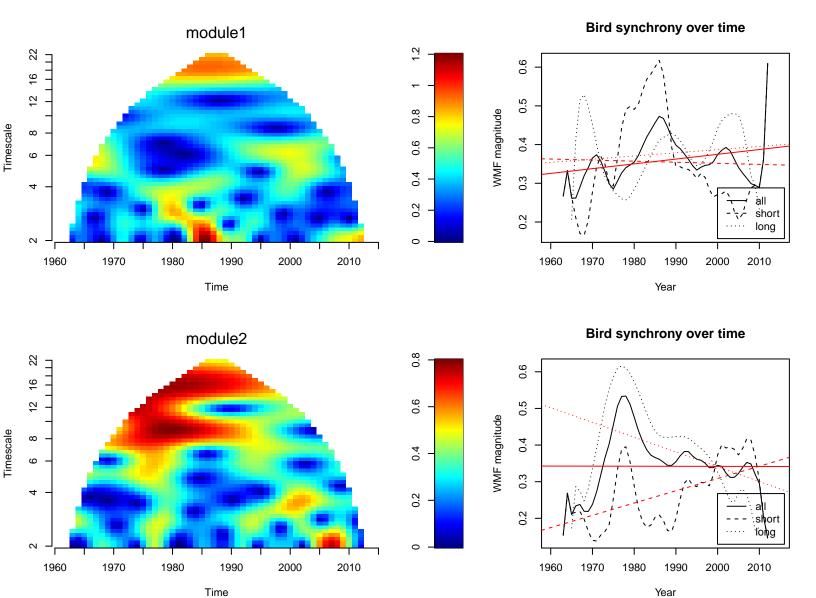
Year

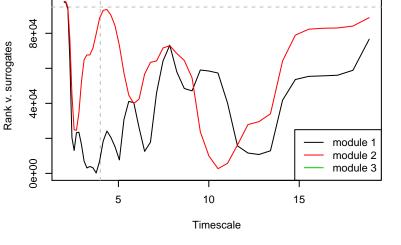


Time

#### BrownCreeper Bird synchrony over time module1 0.7 22 9.0 9.0 16 12 0.5 0.3 WMF magnitude 0.4 Timescale $\infty$ 0.2 9 0.3 0.2 0.1 0.1 long 0 1960 1970 1980 1990 2000 1960 1970 1980 2010 2010 1990 2000 Time Year Bird synchrony over time module2 9.0 22 16 0.5 0.25 12 WMF magnitude 0.4 Timescale ω 0.3 0.15 9 0.2 all 0.1 0.05 short long 0 1960 1970 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 Time Year Bird synchrony over time module3 0.8 22 16 0.4 9.0 12 WMF magnitude 0.3 Timescale $\infty$ 0.4 0.2 0.2 all 0.1 short long 1960 1970 1980 2000 2010 1960 1970 1980 2000 2010 1990 1990 Time Year Rank v. surrogates 4e+04 module 1 module 3 0e+00 10 15 Timescale

# CarolinaWren





#### CedarWaxwing Bird synchrony over time module1 9.0 22 16 0.5 0.4 12 0.4 WMF magnitude Timescale 0.3 $\infty$ 0.3 9 0.2 0.2 0.1 0.1 0 1960 1980 1990 2000 1960 1970 1980 1990 2010 1970 2010 2000 Time Year Bird synchrony over time module2 0.5 22 16 9.0 12 0.25 WMF magnitude 0.3 Timescale ω 9 0.15 0.2 άll 0.1 short 0.05 long 1960 1970 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 Time Year Bird synchrony over time module3 22 16 0.5 0.8 12 WMF magnitude 9.0 9.0 Timescale $\infty$ 0.3 0.4 0.2 0.2 all 0.1 **10**ng 0 1980 2000 1980 2010 1960 1970 1990 2010 1960 1970 2000 1990 Time Year 8e+04 Rank v. surrogates 4e+04 module 1 module 2 0e+00 10 15

Timescale

#### DarkEyedJunco Bird synchrony over time module1 0.8 22 16 0.5 9.0 12 WMF magnitude 9.0 Timescale $\infty$ 0.4 9 0.3 0.2 0.2 1960 1970 2000 2010 1960 1970 1980 2010 1980 1990 1990 2000 Time Year Bird synchrony over time module2 0.8 22 0.5 16 12 9.0 0.4 WMF magnitude Timescale ω 0.3 0.4 9 0.2 0.2 all short 0.1 long 1960 1970 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 Time Year Bird synchrony over time module3 22 0.40 16 12 0.8 WMF magnitude 0.30 Timescale $\infty$ 9.0 9.7 0.20 0.2 0.10 0 1970 1980 1980 2010 1960 1990 2000 2010 1960 1970 2000 1990 Time Year 8e+04 Rank v. surrogates 4e+04 module 1 module 2 module 3 0e+00

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Timescale

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#### DownyWoodpecker Bird synchrony over time module1 0.30 9.0 22 16 0.5 0.25 12 0.4 WMF magnitude Timescale 0.20 $\infty$ 0.3 9 0.2 0.15 0.1 short 0.10 long 0 1960 1970 1980 1960 1970 1980 2010 1990 2000 2010 1990 2000 Time Year Bird synchrony over time module2 0.8 22 16 0.40 12 9.0 WMF magnitude 0.30 Timescale ω 0.4 9 0.20 0.2 0.10 ĺong 1960 1970 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 Time Year Bird synchrony over time module3 0.5 22 9.0 16 0.4 12 0.3 WMF magnitude 0.3 Timescale $\infty$ 0.2 0.2 all 0.1 0.1 short long 1960 1970 1980 2000 2010 1970 1980 2000 2010 1990 1960 1990 Time Year Rank v. surrogates 4e+04 module 1 module 2 module 3

0e+00

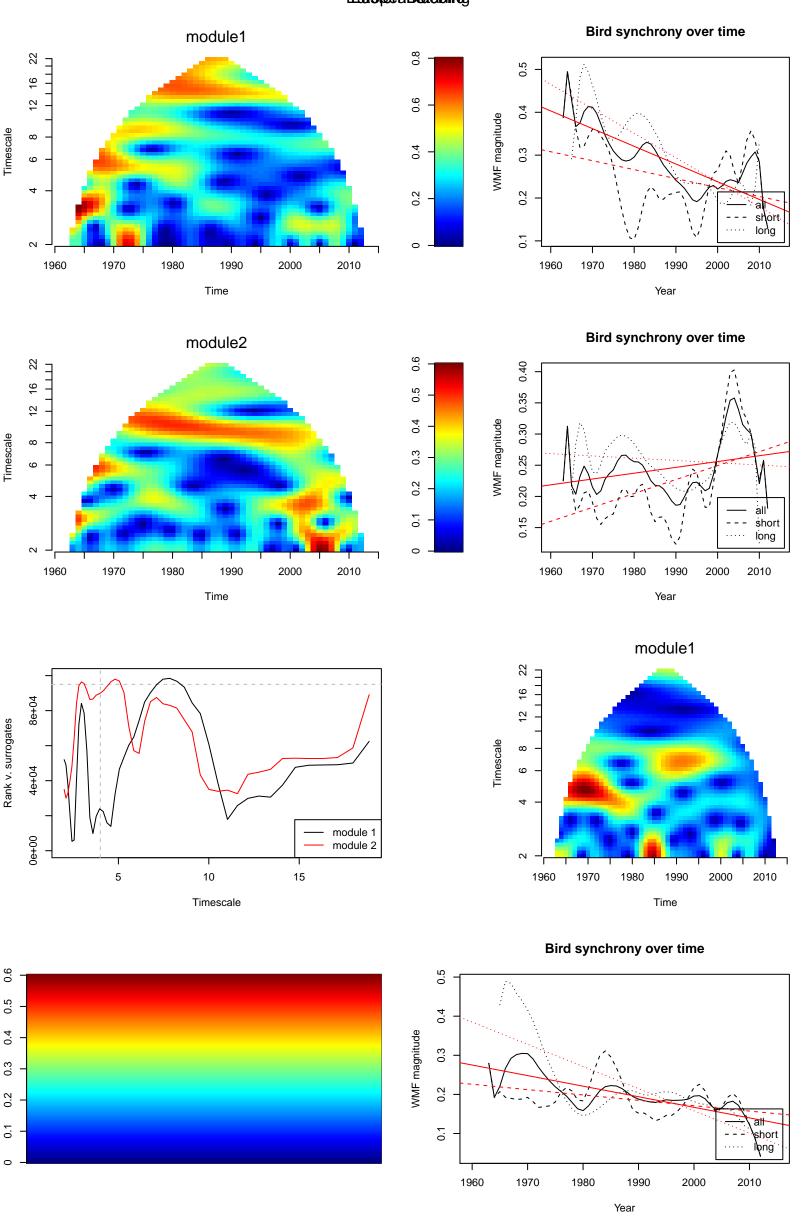
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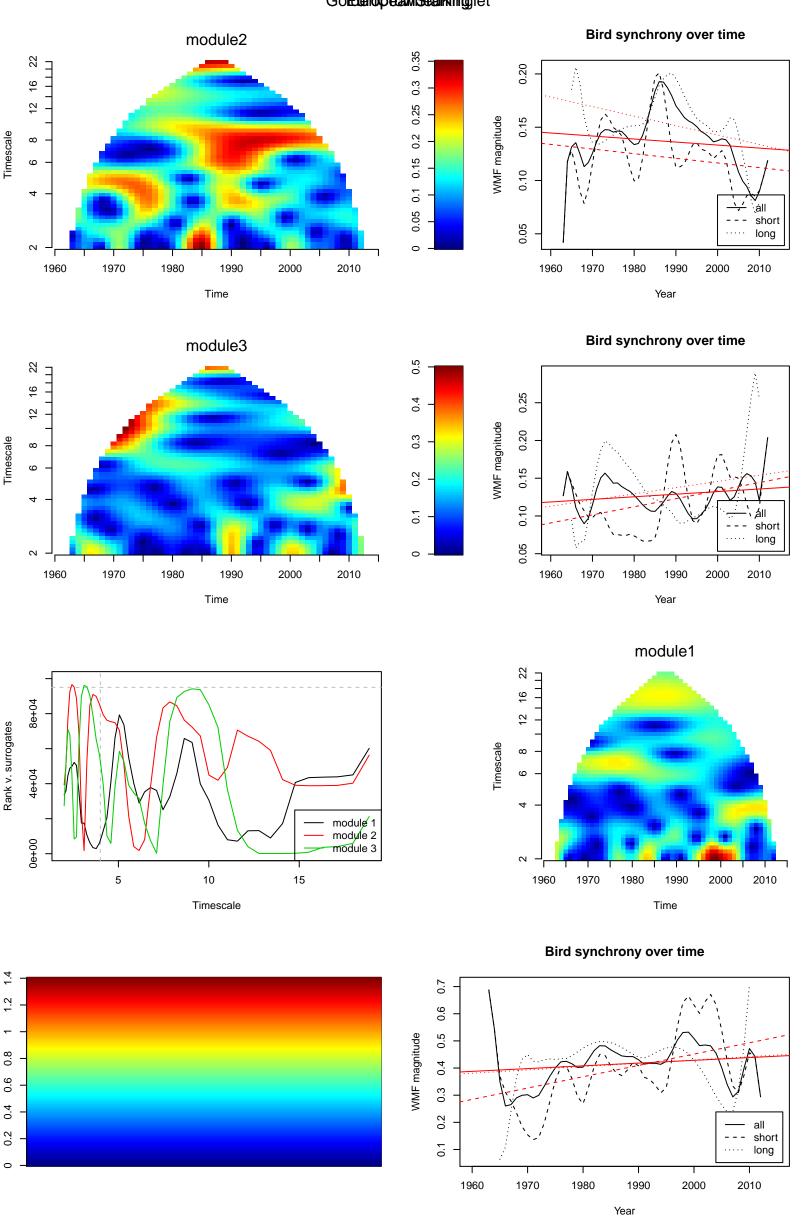
Timescale

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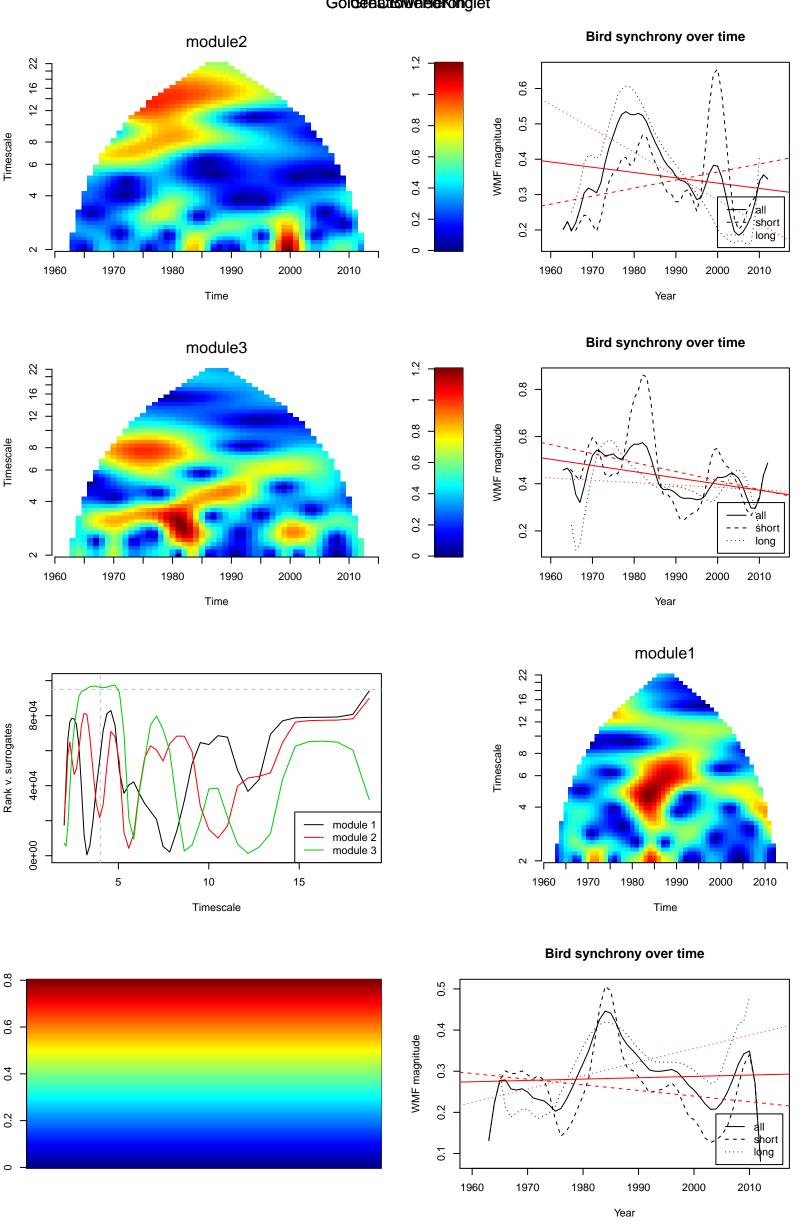
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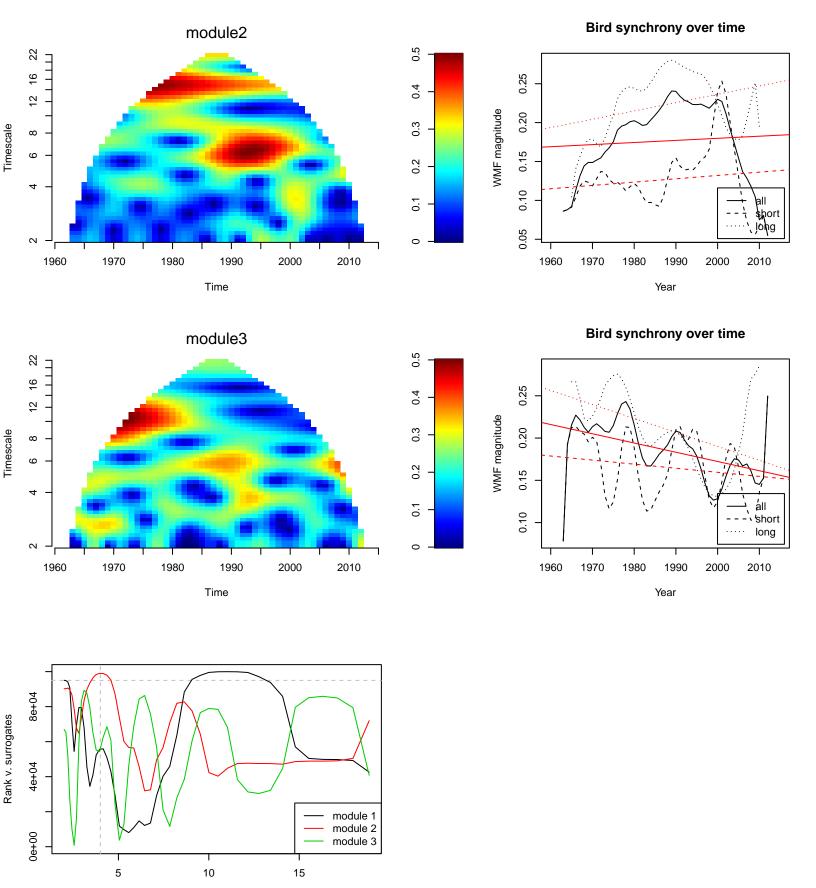
# Go Edeno pean stall king let



# Golden & Bolwelele Könglet

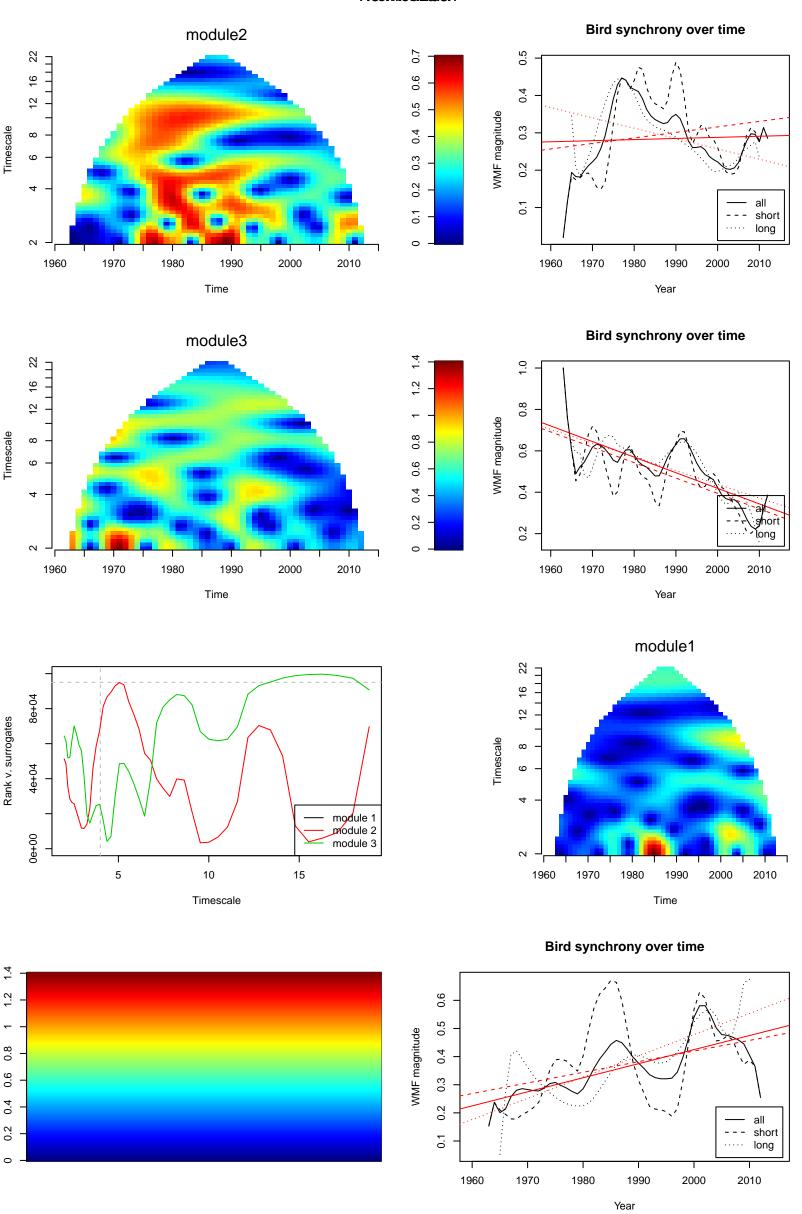


### Griceat BilluTehrlesson

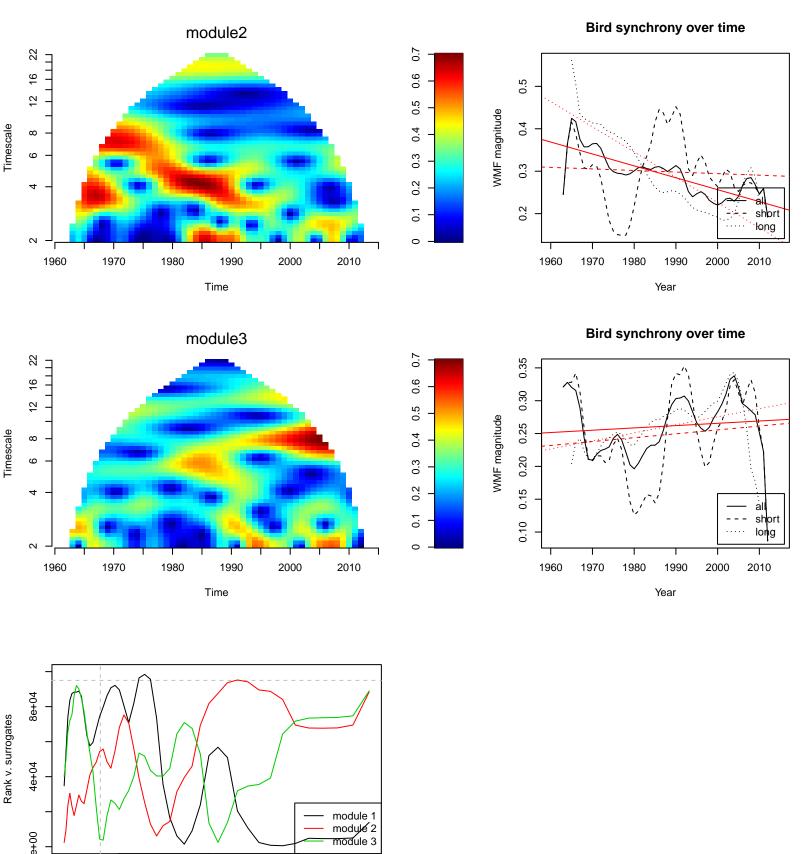


Timescale

### Helonnie Thuaush



### Housed Liack



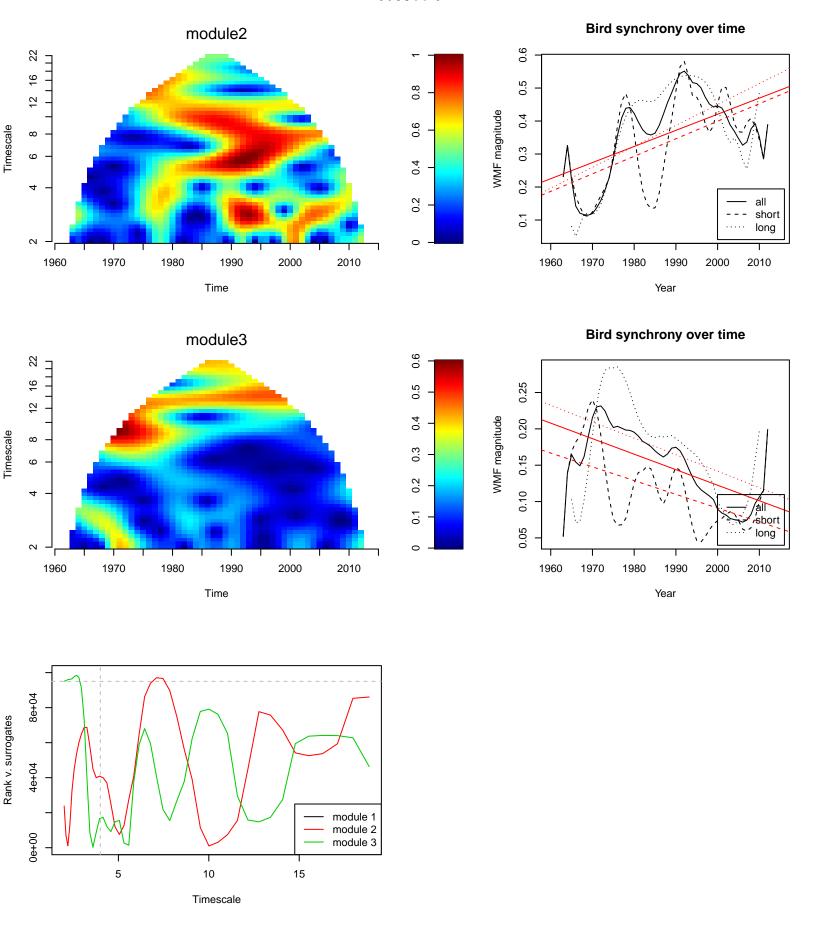
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Timescale

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### Ho∕úselEench



#### Mo**uktitlicheet**ove Bird synchrony over time module2 0.5 0.25 9.0 WMF magnitude 0.3 0.15 0.2 0.10 àا۲ 0.1 s/ort 1970 1980 2000 1960 1970 1980 2010 1990 2010 1990 2000 Time Year Bird synchrony over time module3 9.0 0.5 0.4 0.4 WMF magnitude 0.3 0.2 0.2 all 0.1 0.1 short long 0 1970 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 Time Year module1 22 16 12 Timescale $\infty$ medule 1 module 2 module 3 5 15 10 1970 1980 1990 2000 2010 1960 Time Timescale

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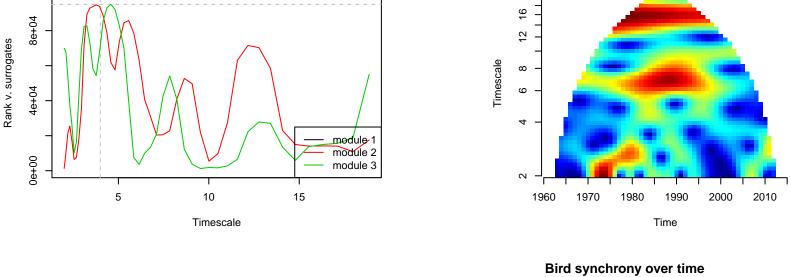
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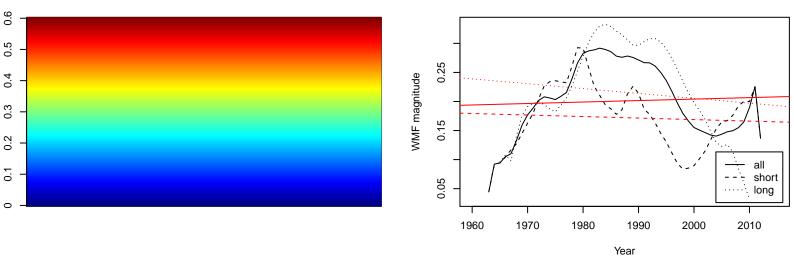
1960

Timescale

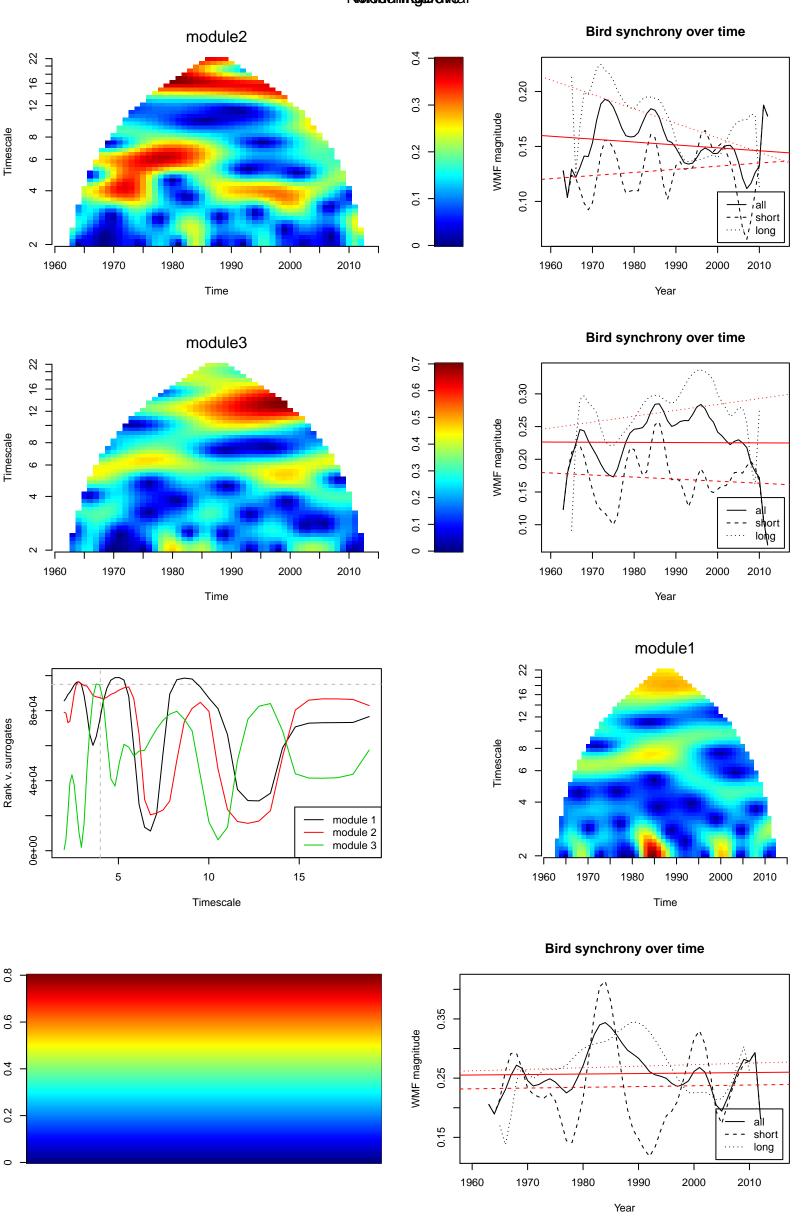
1960

Timescale

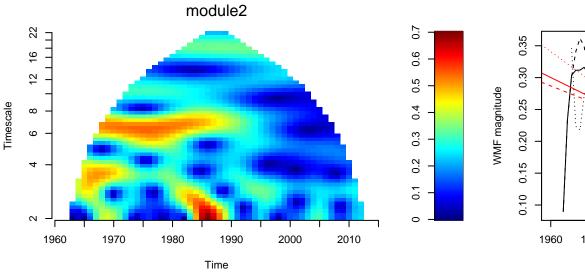


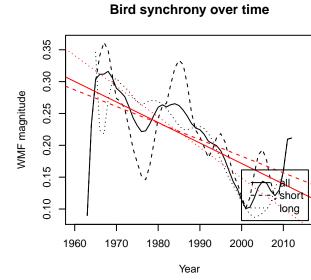


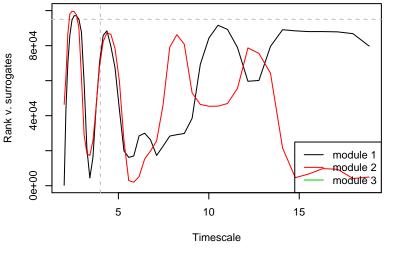
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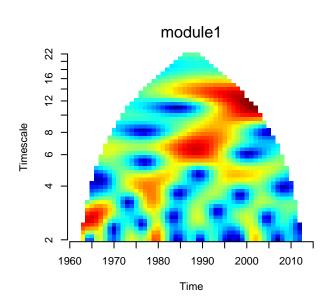


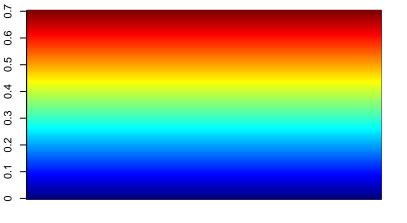
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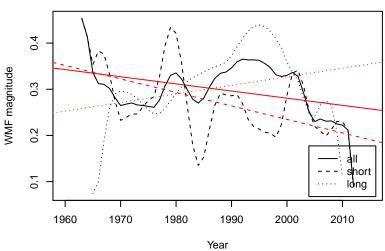






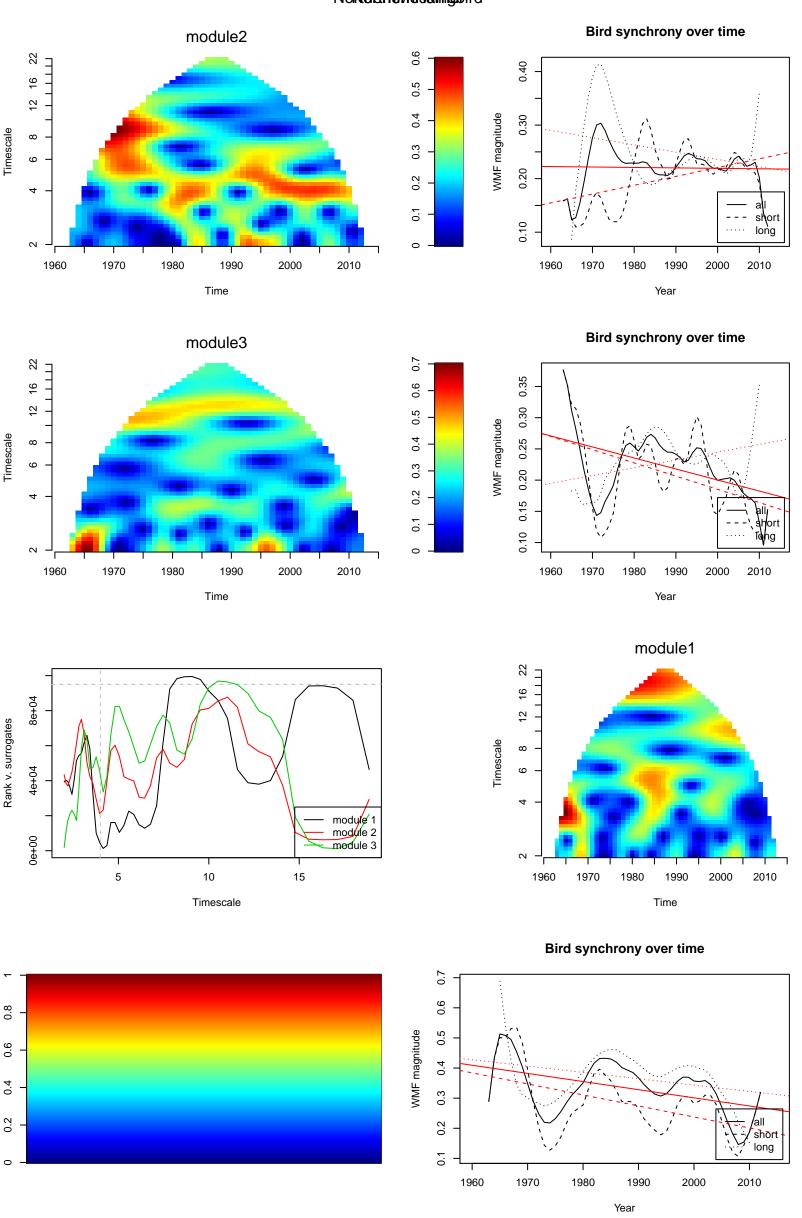




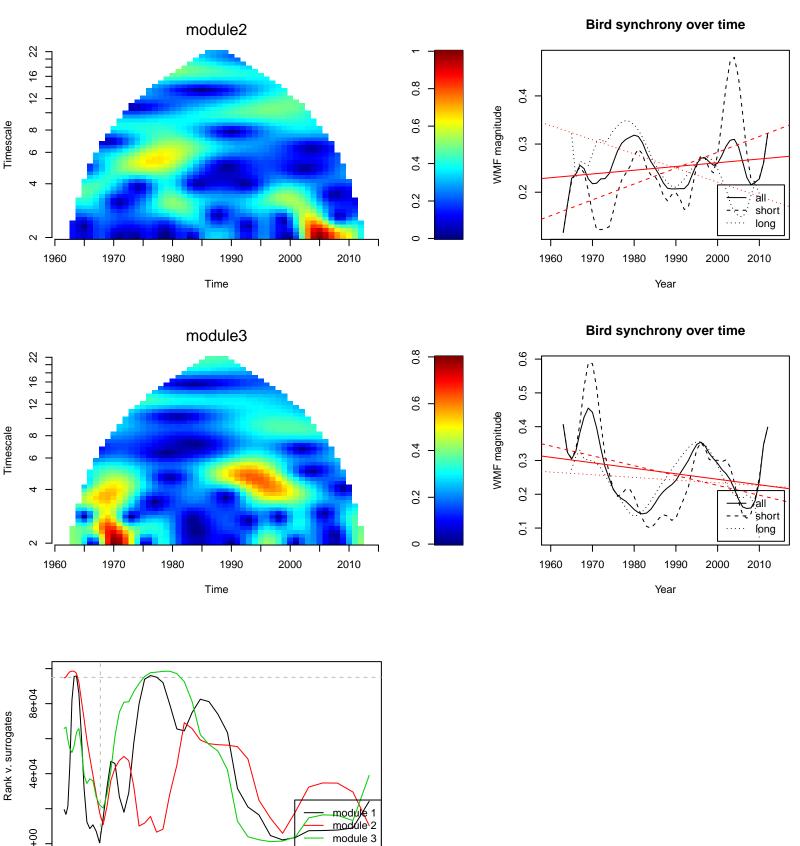


Bird synchrony over time

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# No No Detrimento Skirilgebird



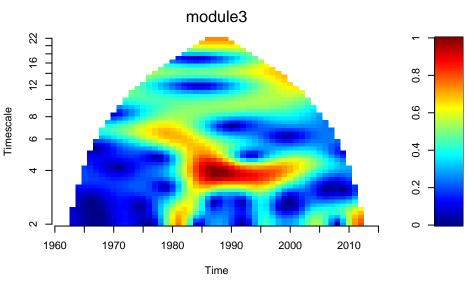
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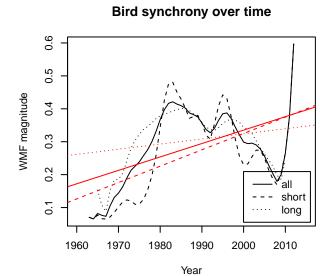
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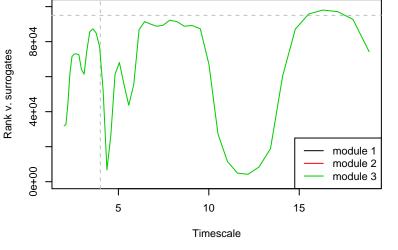
Timescale

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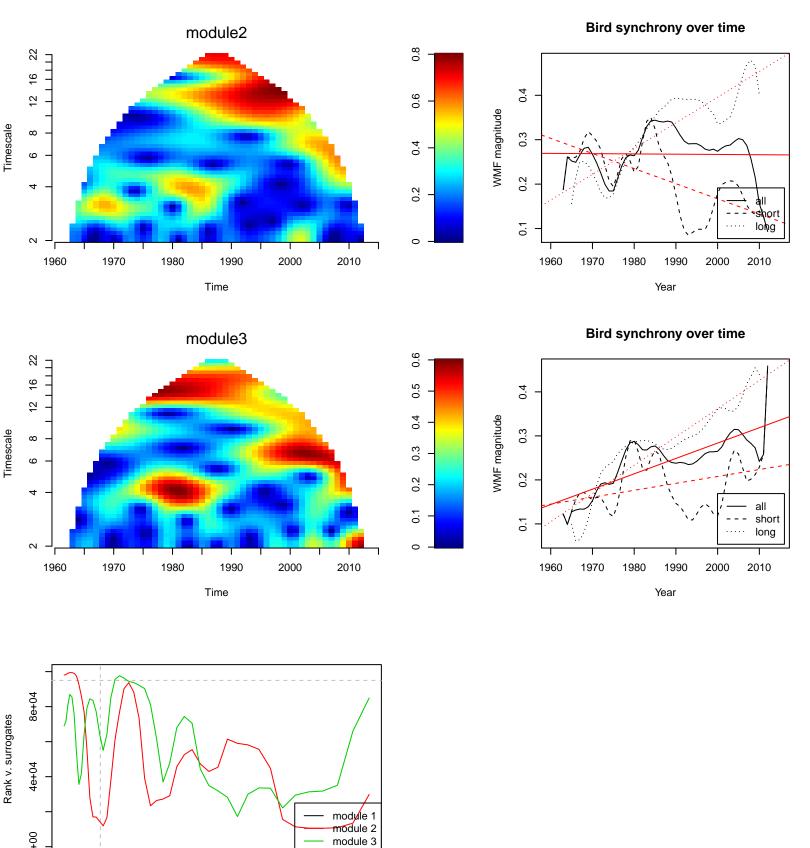
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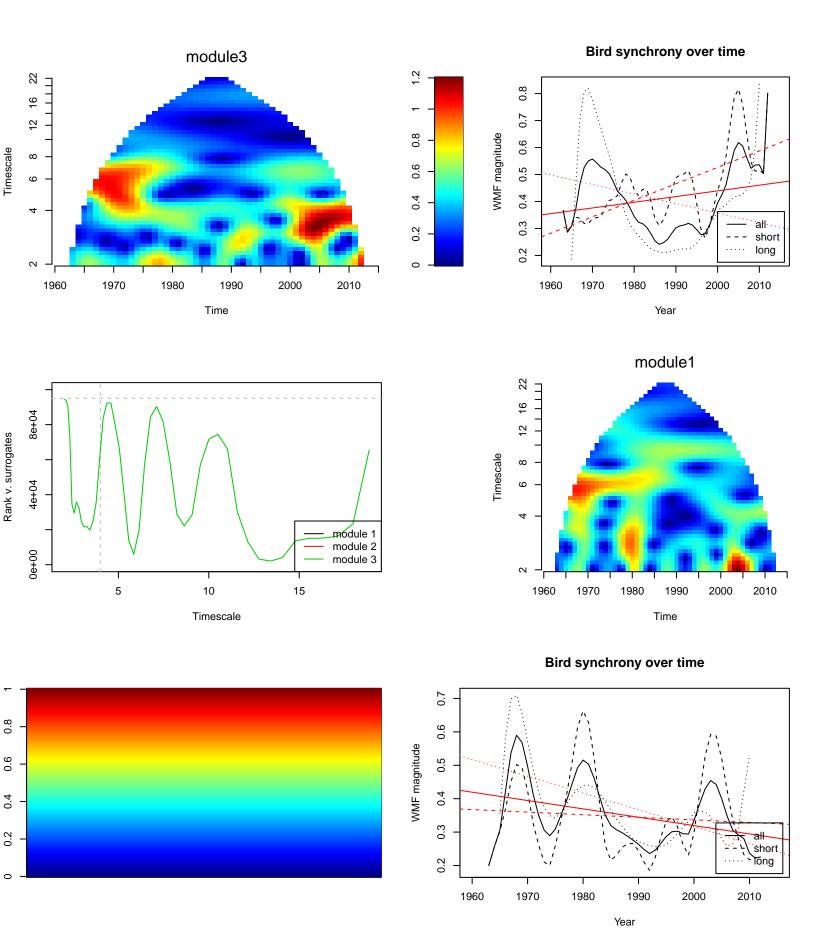


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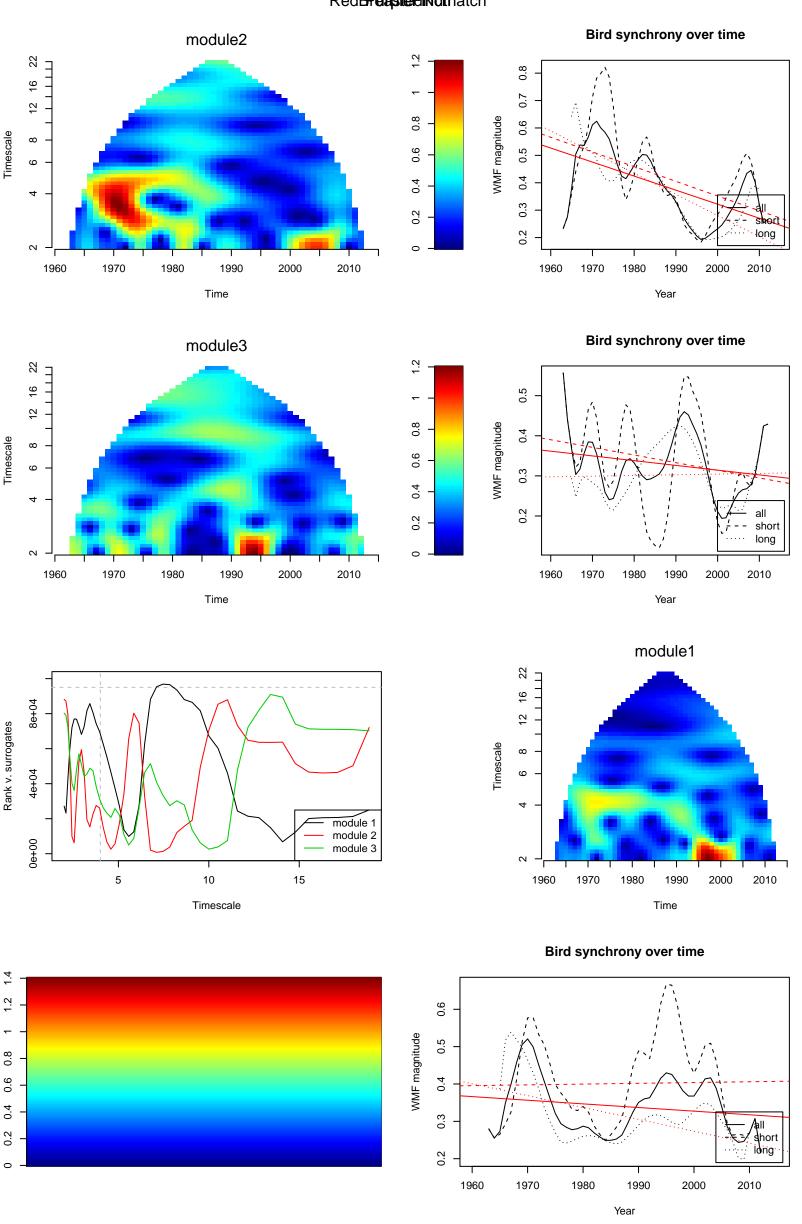
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Timescale

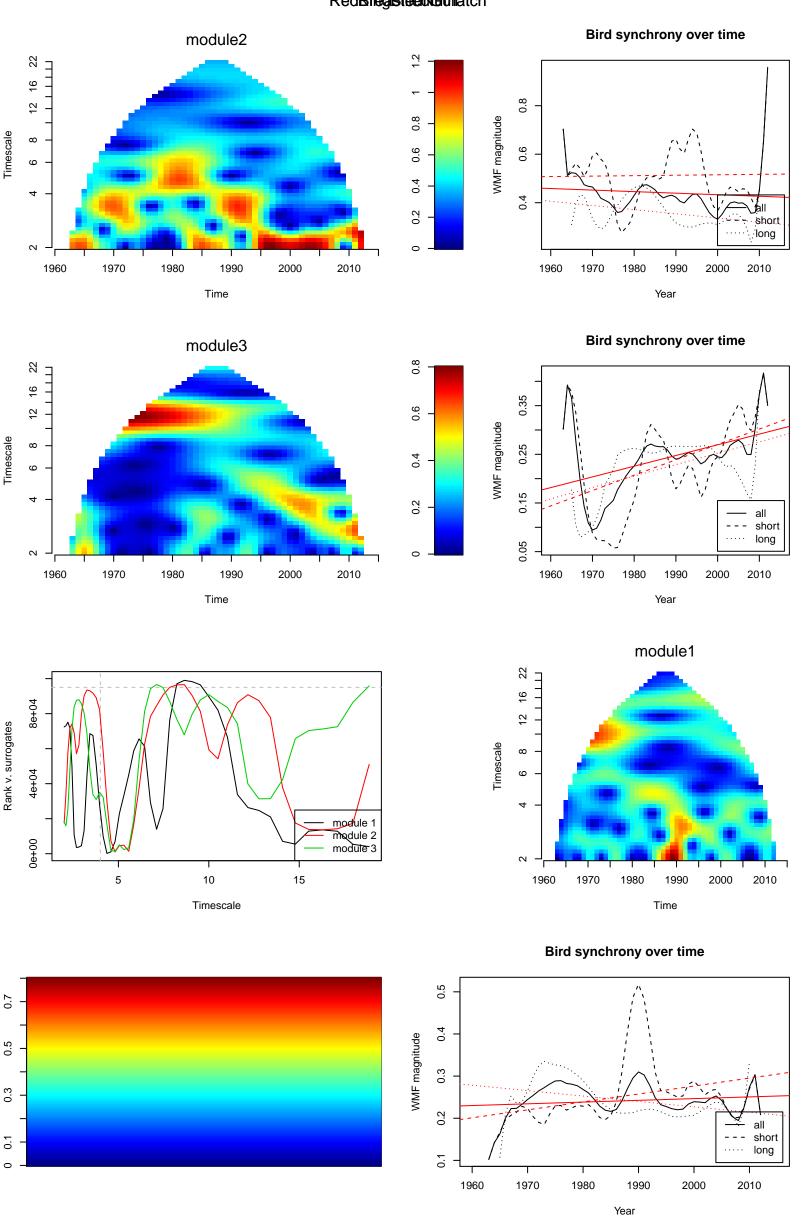
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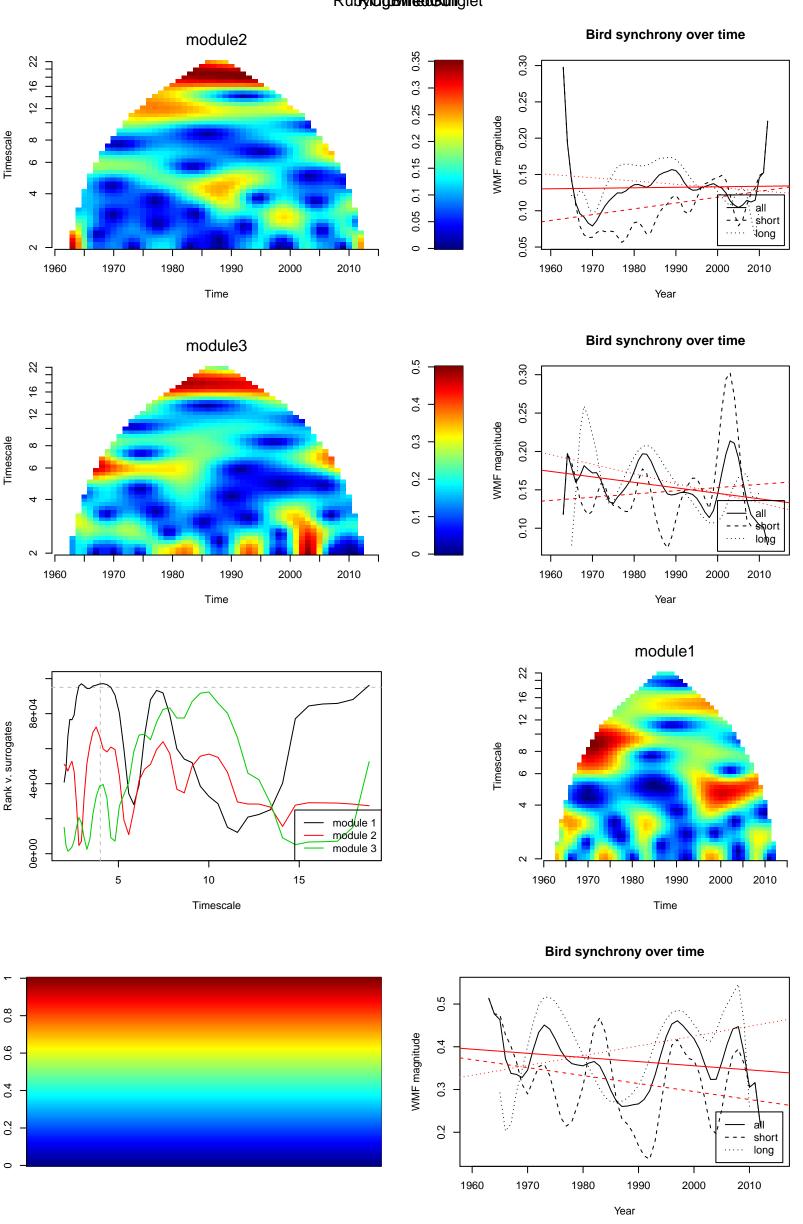
# Red BP capte lind thatch



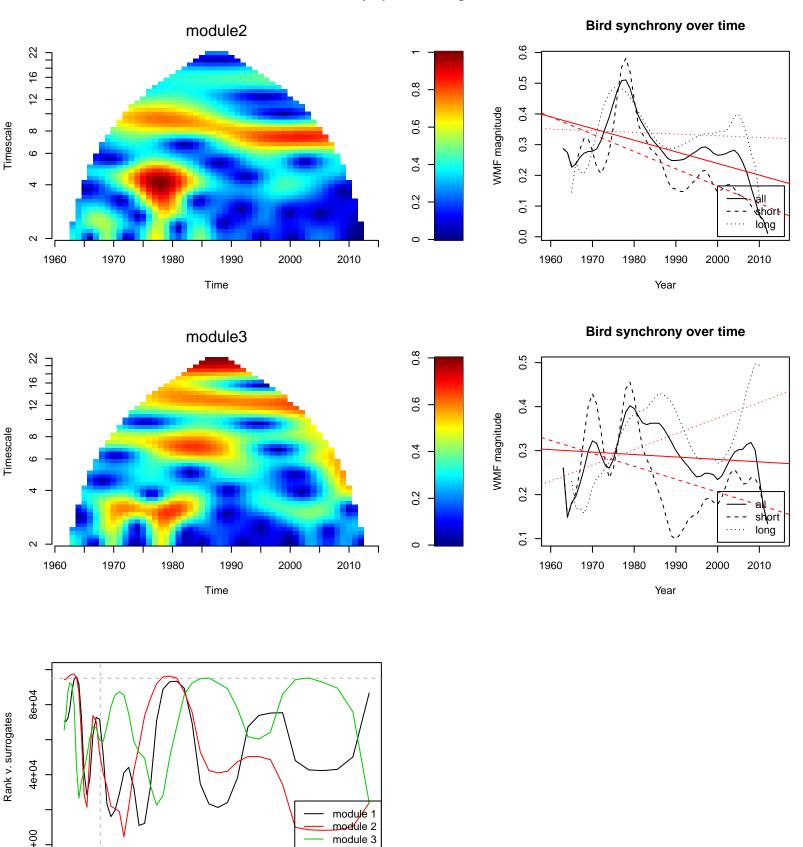
# Red Bineal Steel Northlatch



# Rub**RyicagoBvilheedt0Suirhi**glet



# Rub @ aros Pheek inglet

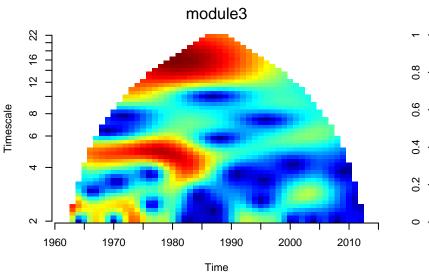


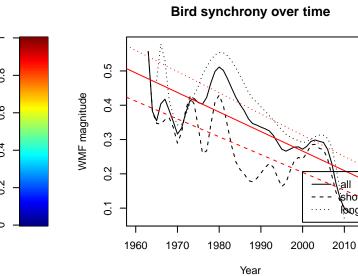
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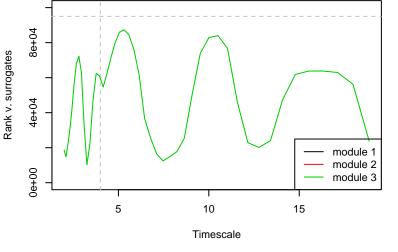
Timescale

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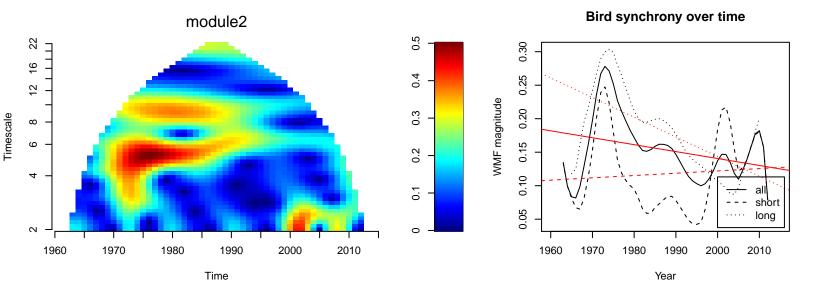


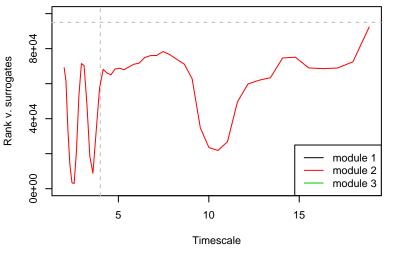


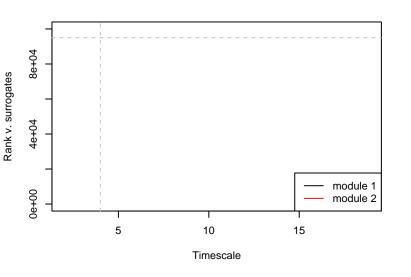
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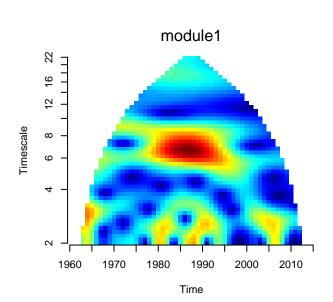


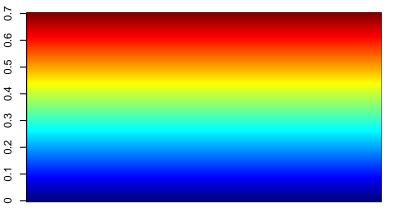
# **State** Balt Diwd

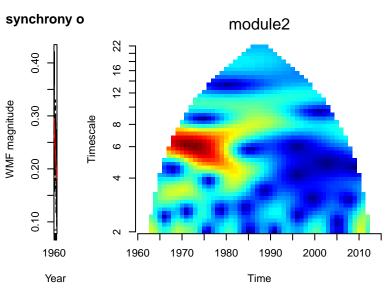


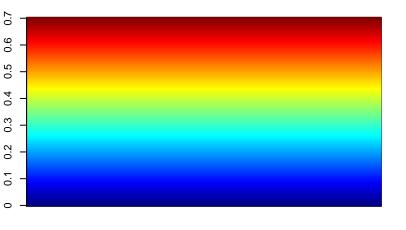


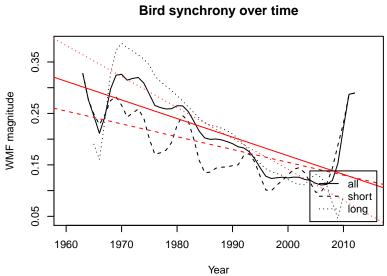




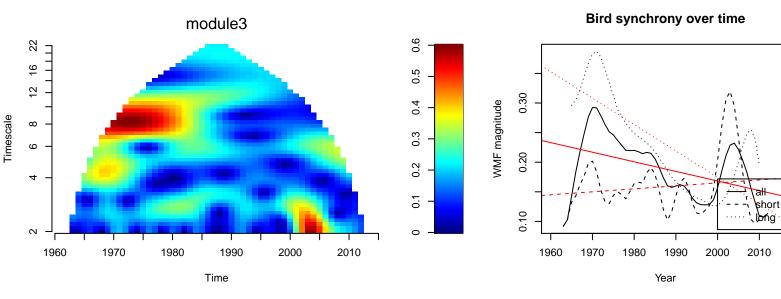


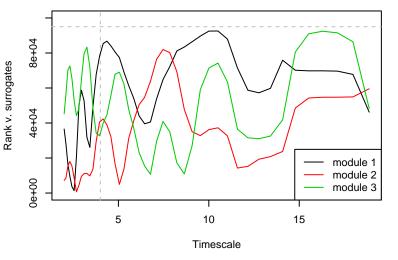




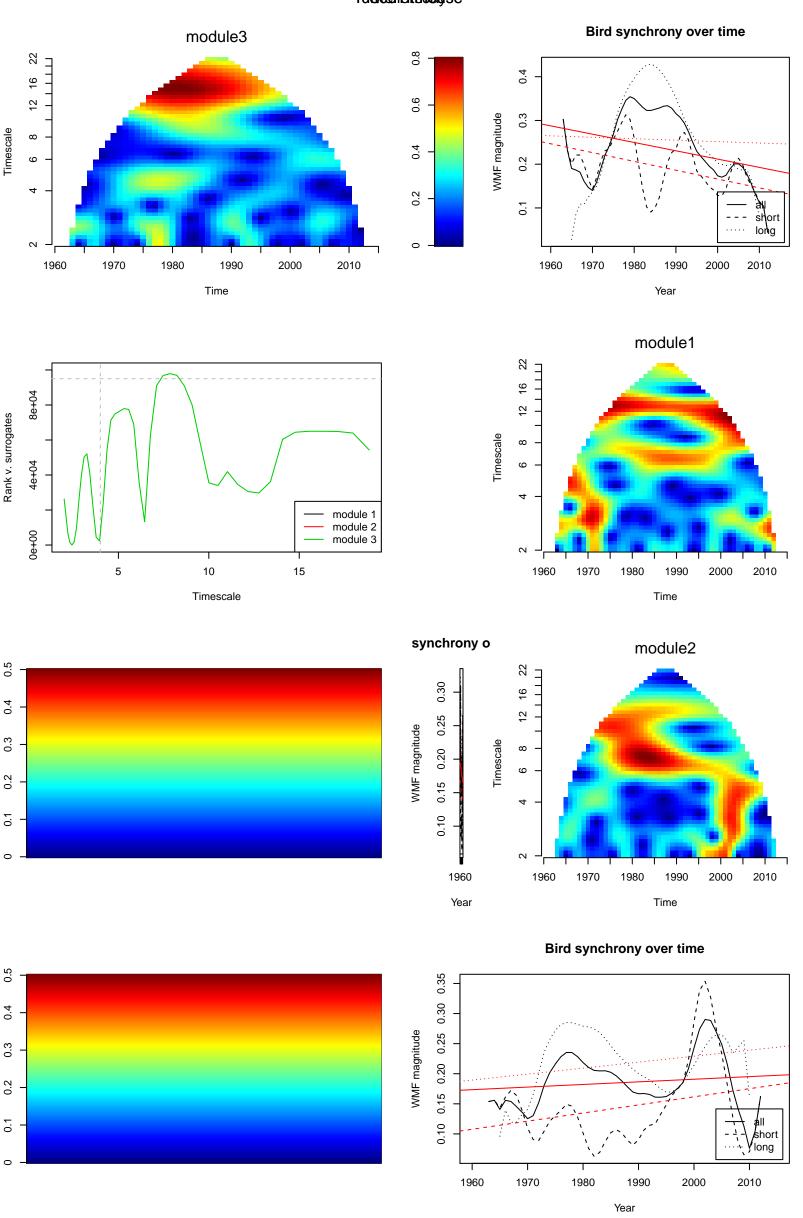


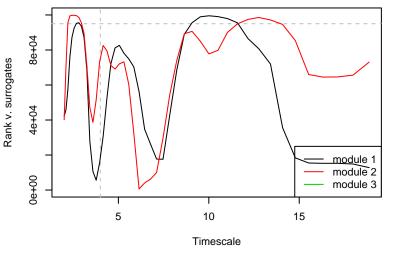
# S**StellepsJay**w



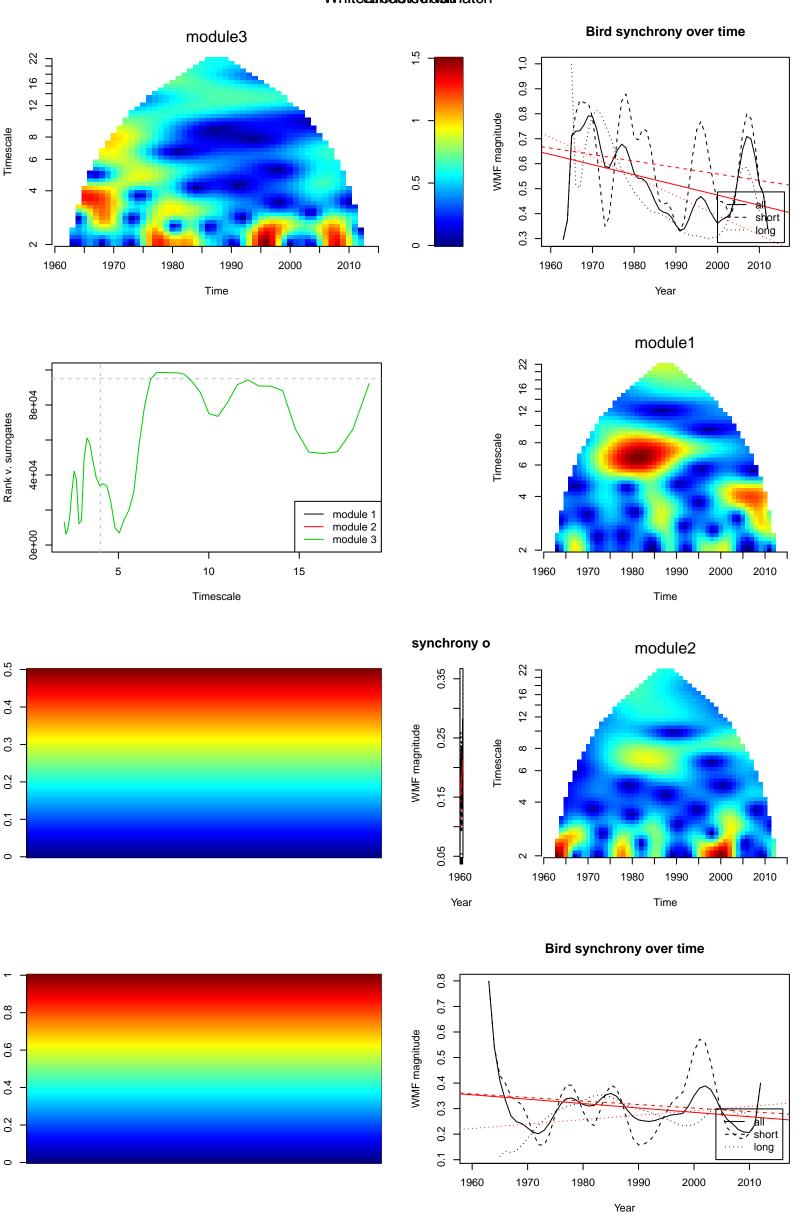


### Tu8steelTeitenlauyse

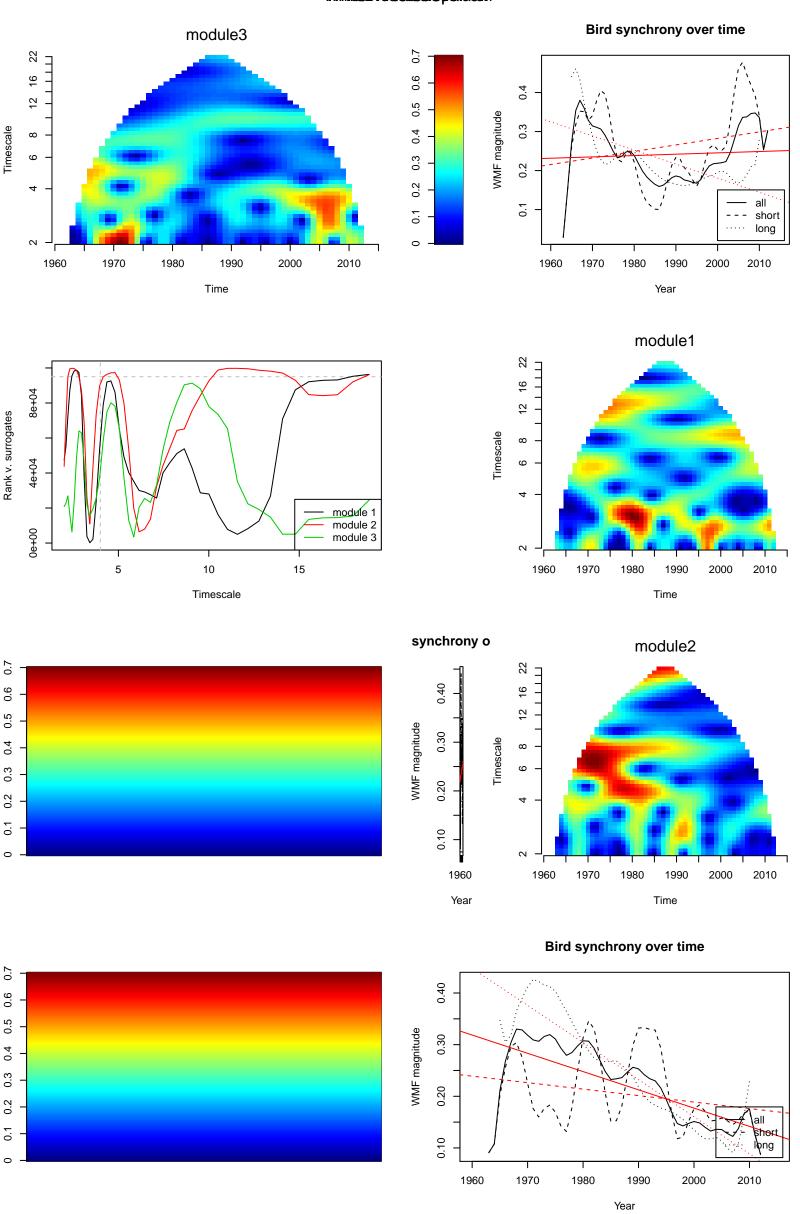


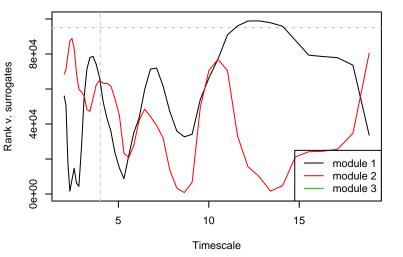


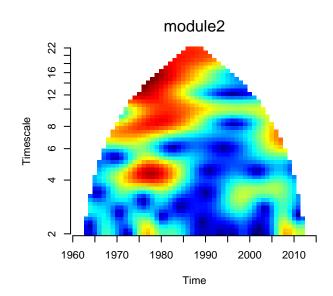
### White Breested Nethatch

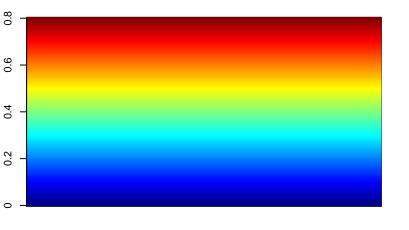


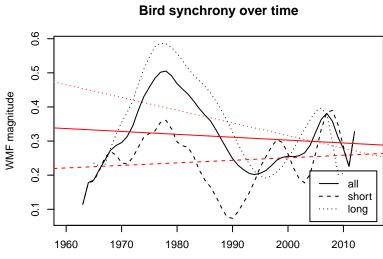
### White Breastled Sptaratoch



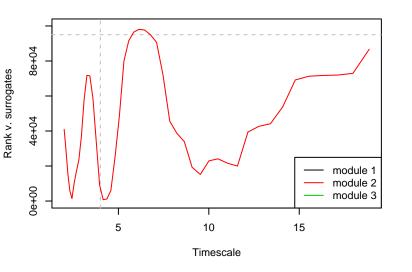


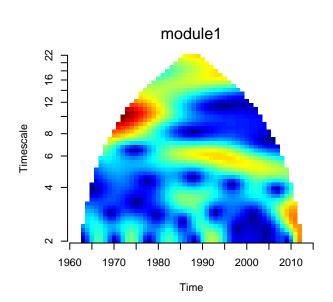


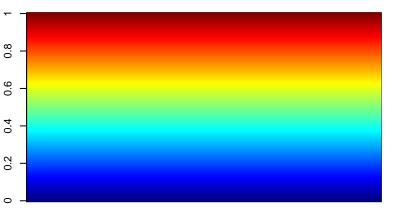


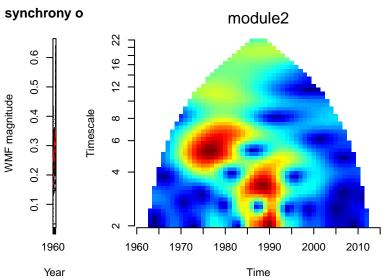


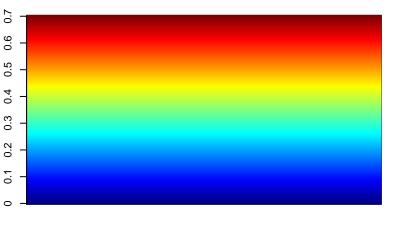
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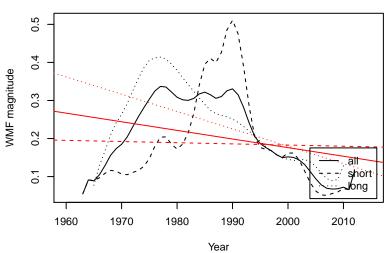




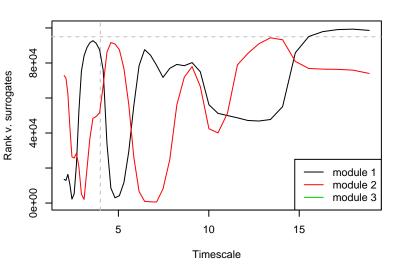


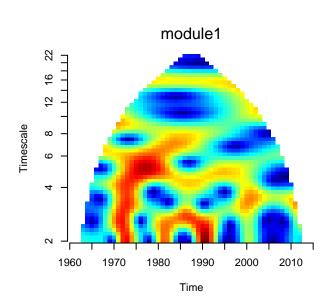


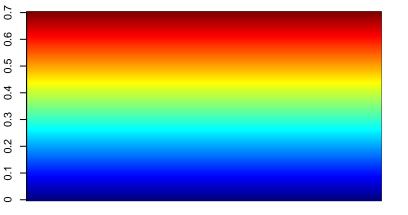


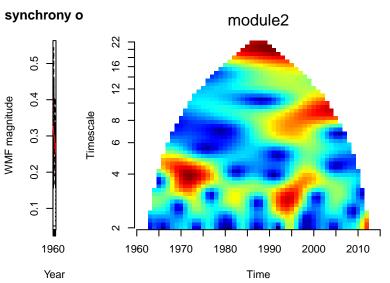


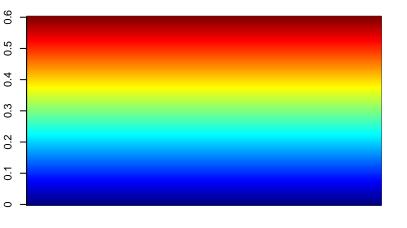
Bird synchrony over time

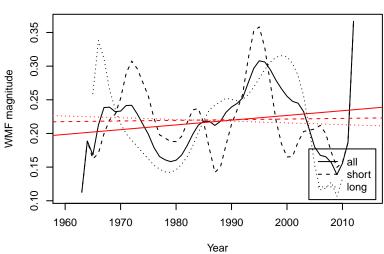












Bird synchrony over time

# YellowRumpedWarbler

