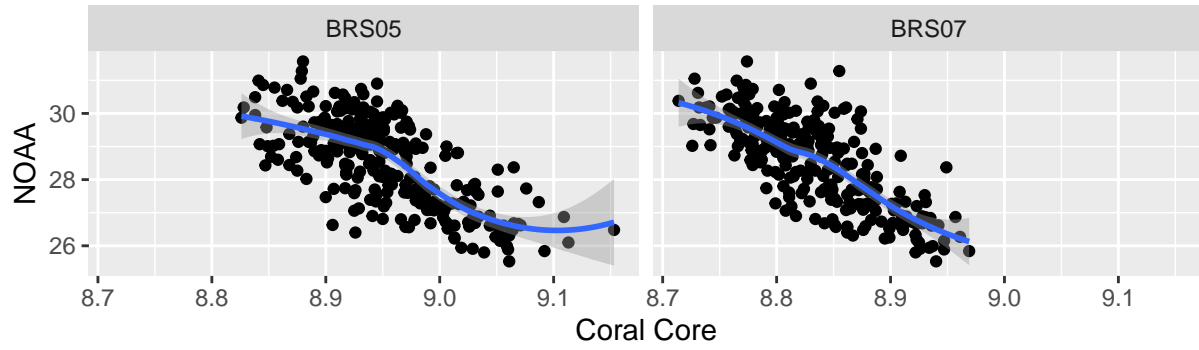


Coral Core Calibration and Frequency Analysis

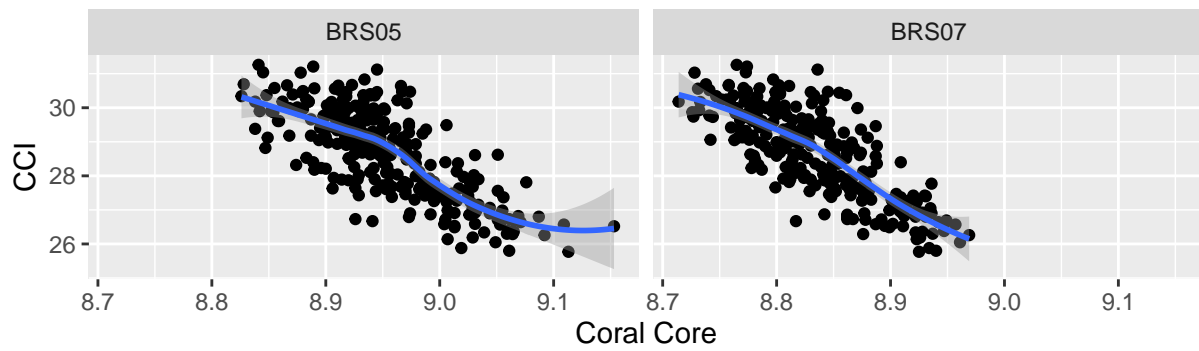
Vanessa Hui Fen Neo

2021-11-05

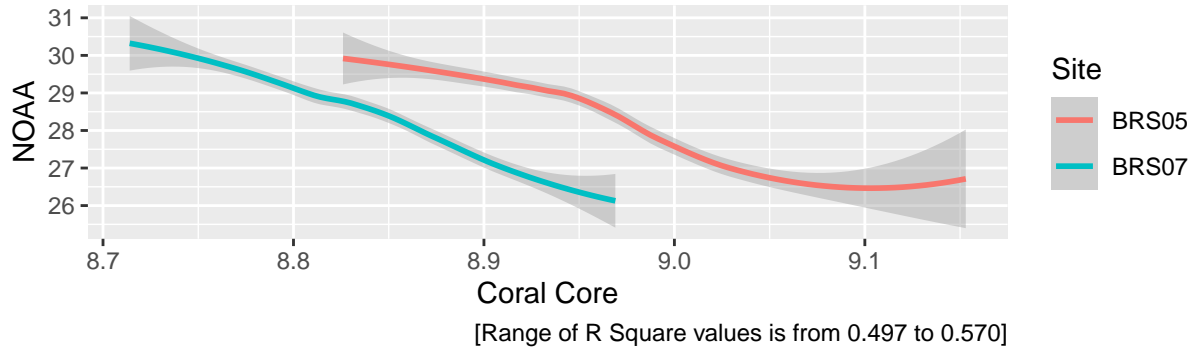
Browse Island NOAA SST and Coral Core Proxy



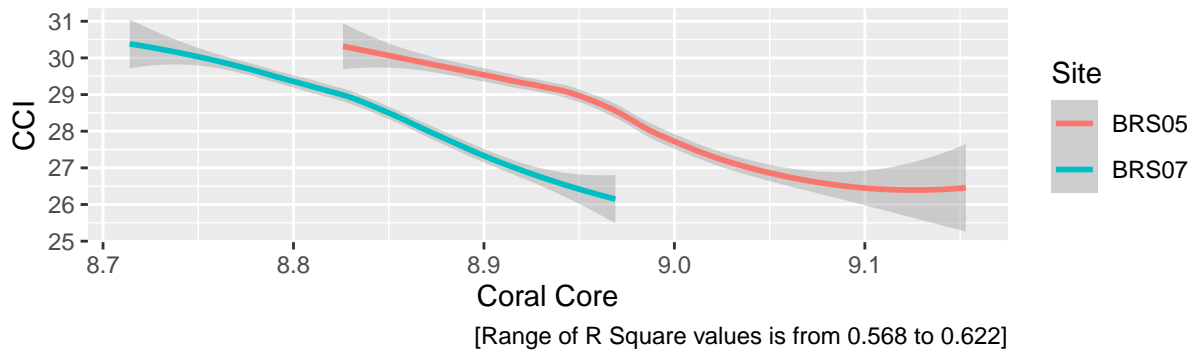
Browse Island CCI SST and Coral Core Proxy



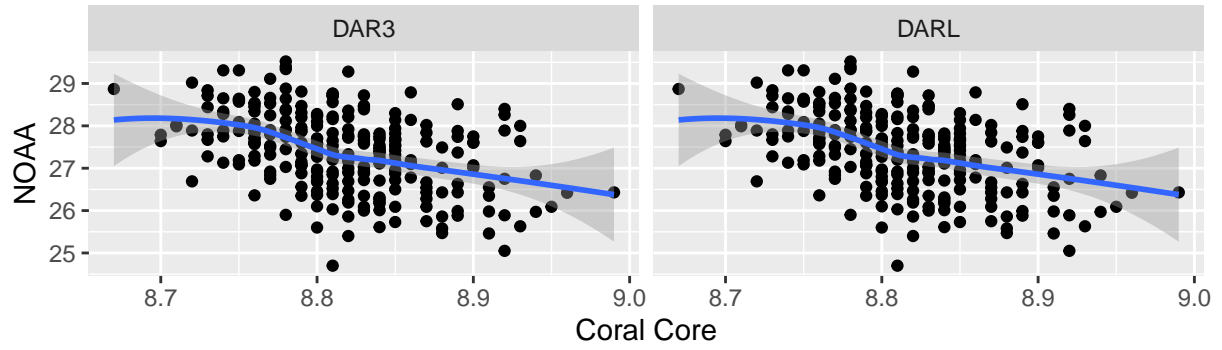
Browse Island NOAA SST and Coral Core Proxy



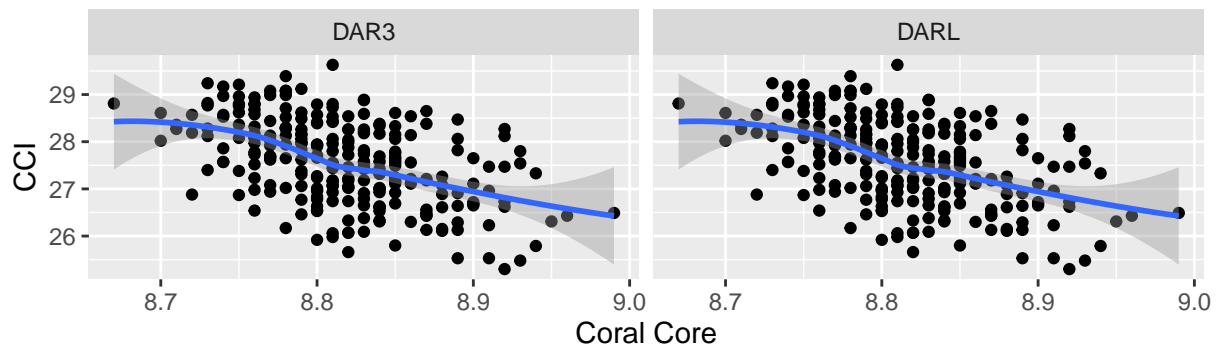
Browse Island CCI SST and Coral Core Proxy

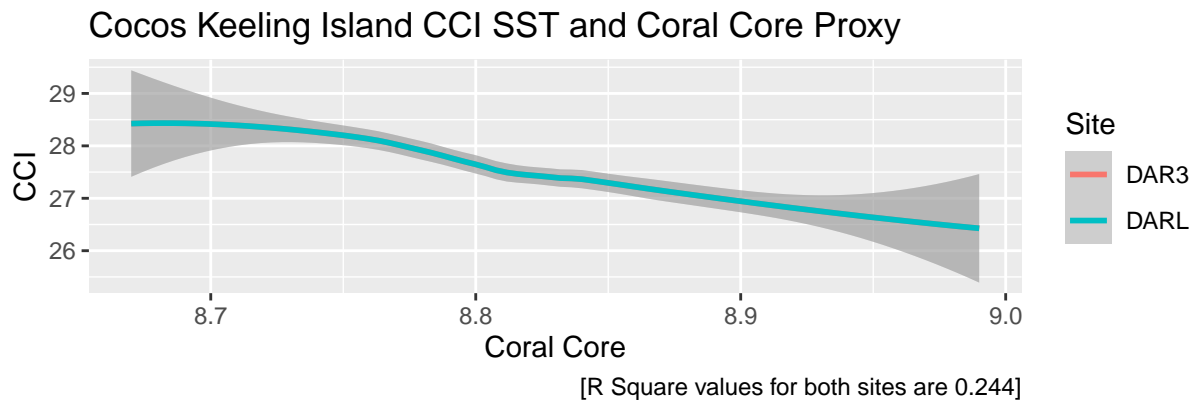
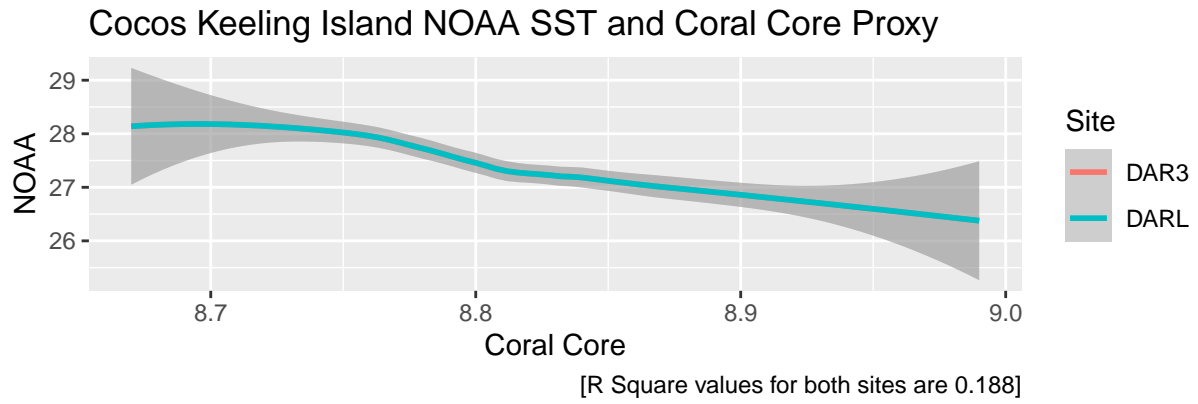


Cocos Keeling Island NOAA SST and Coral Core Proxy

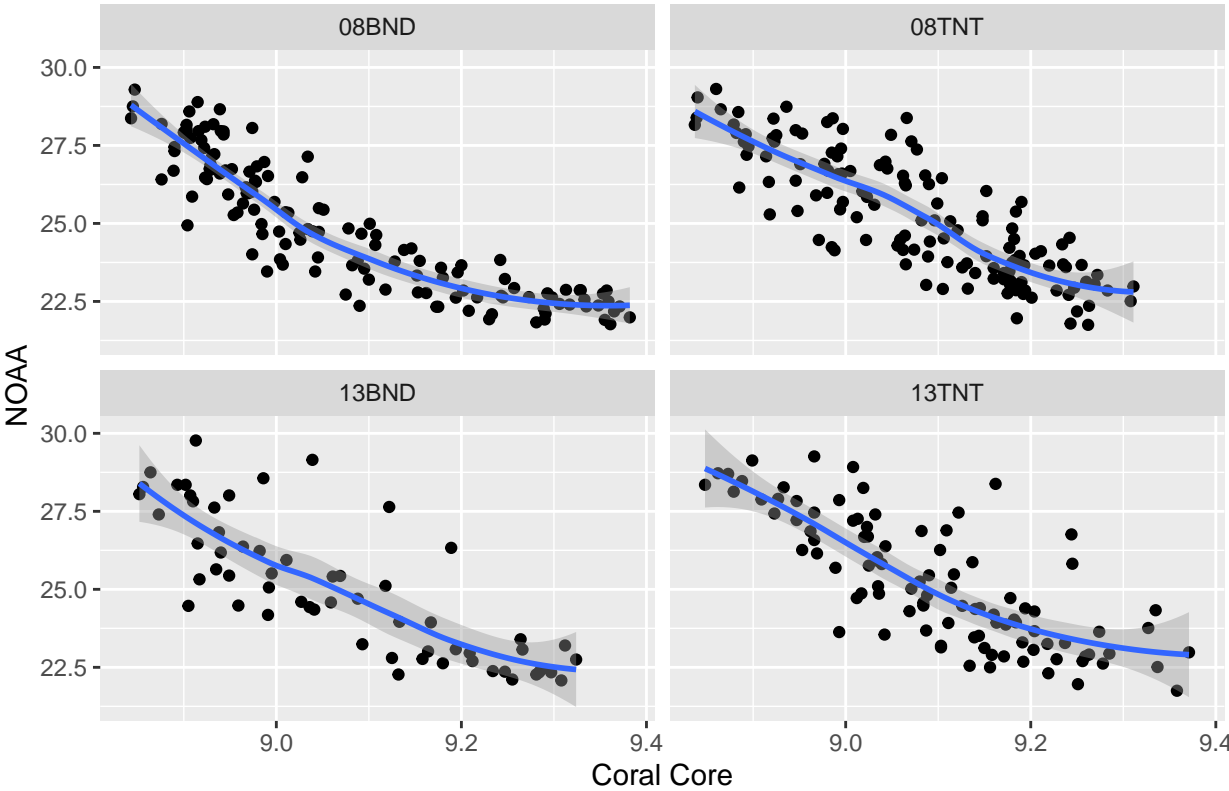


Cocos Keeling Island CCI SST and Coral Core Proxy

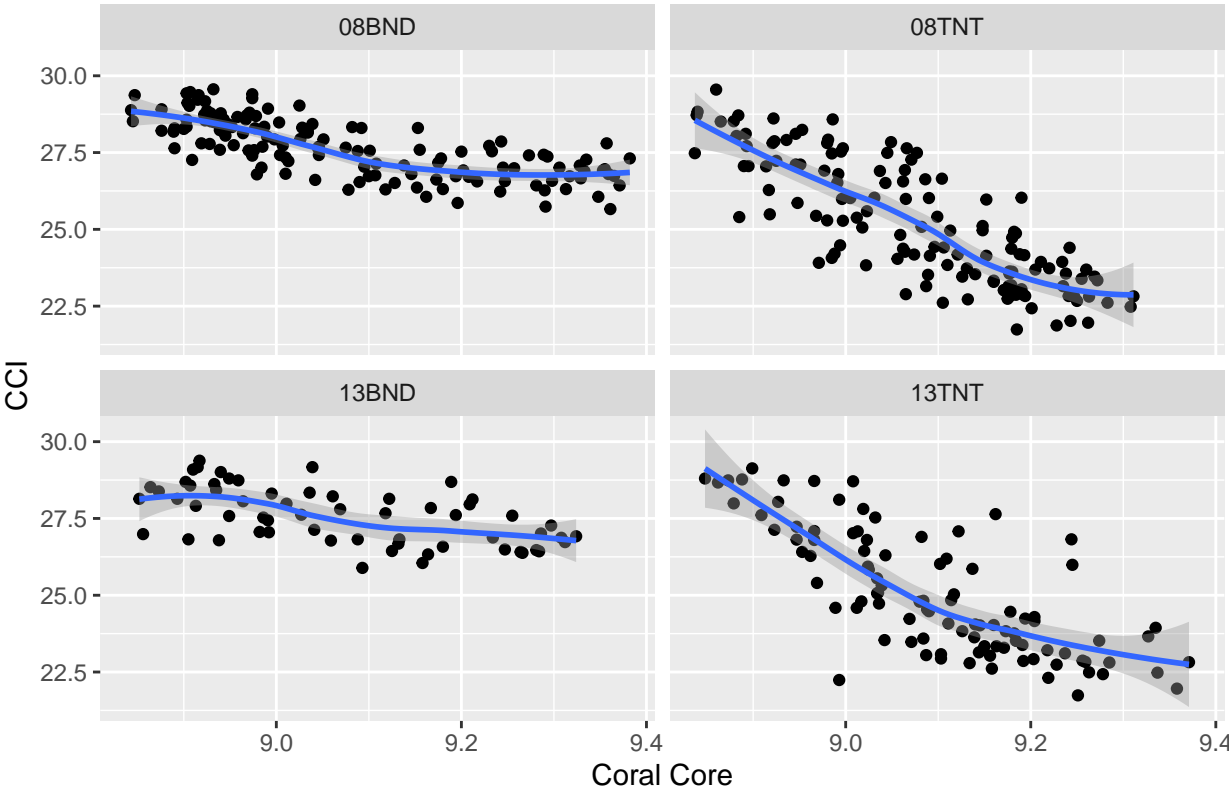




Ningaloo Reef NOAA SST and Coral Core Proxy



Ningaloo Reef CCI SST and Coral Core Proxy



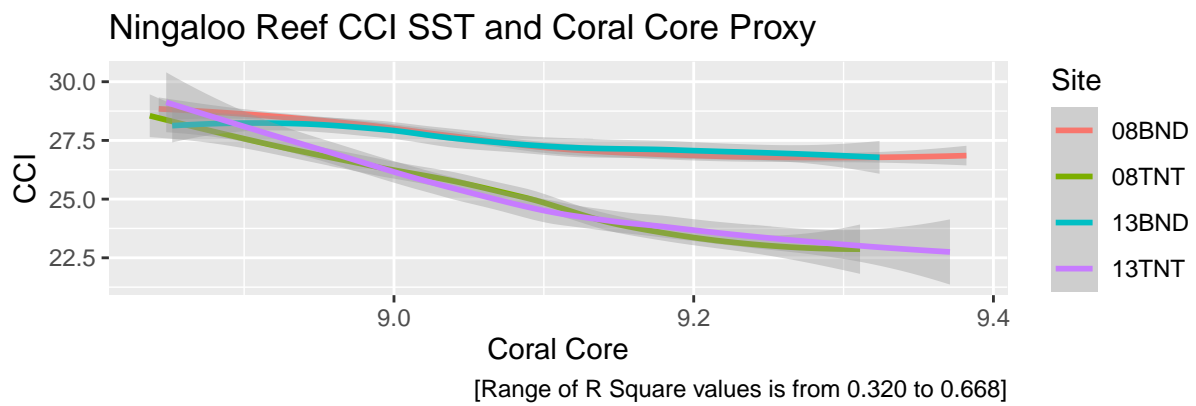
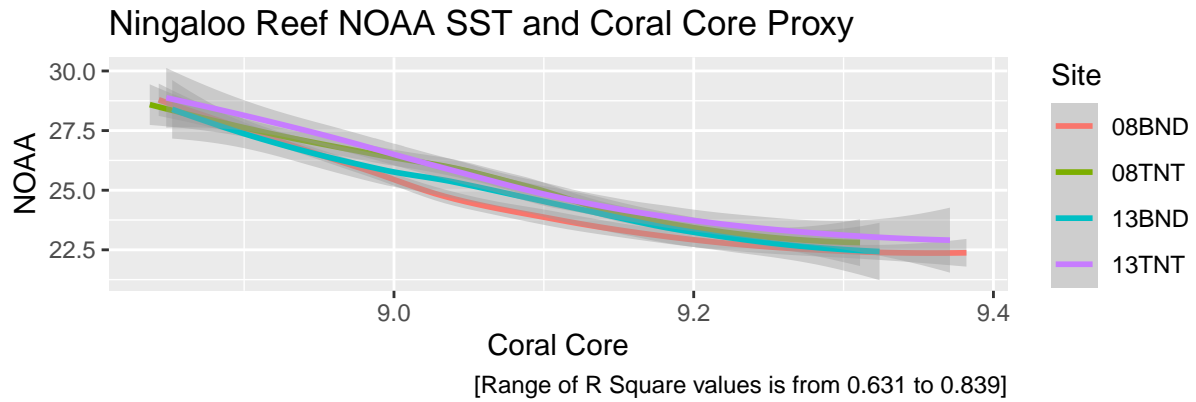


Table 1: NOAA

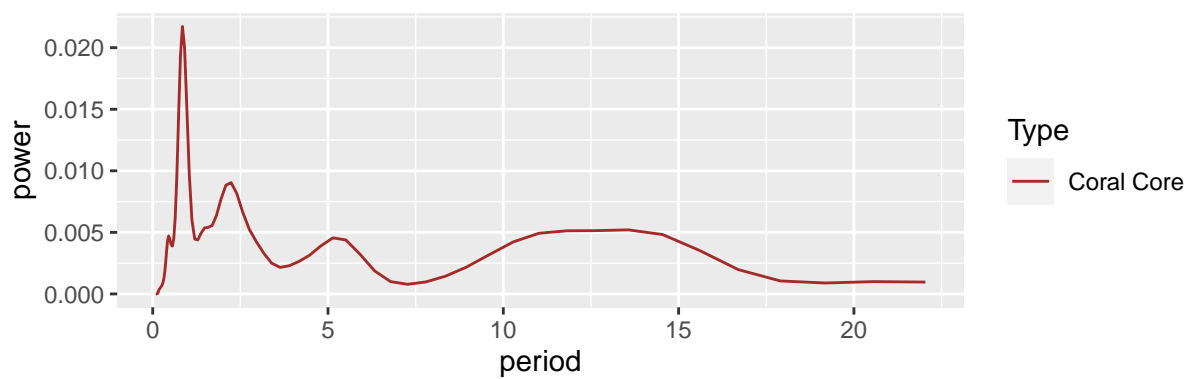
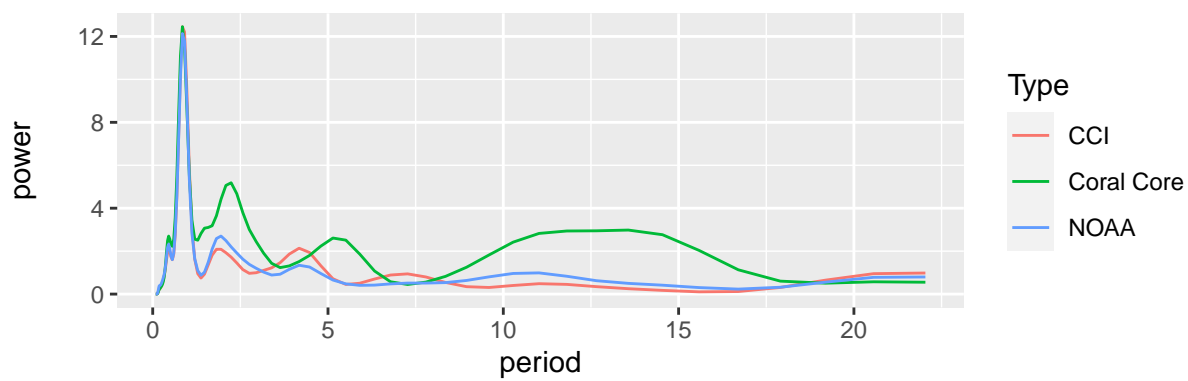
	Browse		Cocos Keeling		Ningaloo			
	BRS05	BRS07	DARL	DAR3	13TNT	08TNT	13BND	08BND
L_Browse	-15.892 (0.968)	-18.394 (0.967)						
L_Cocos			-7.413 (0.957)	-7.413 (0.957)				
L_Ningaloo					-344.021 (129.197)	-13.498 (0.762)	-12.655 (1.170)	-502.398 (68.200)
Q_Ningaloo					18.191 (7.096)			26.896 (3.741)
Num.Obs.	273	273	255	255	98	135	60	133
R2	0.499	0.572	0.192	0.192	0.639	0.702	0.668	0.842
R2 Adj.	0.497	0.570	0.188	0.188	0.631	0.700	0.663	0.839
AIC	748.8	705.7	632.0	632.0	321.9	406.1	204.6	338.5

Table 2: CCI

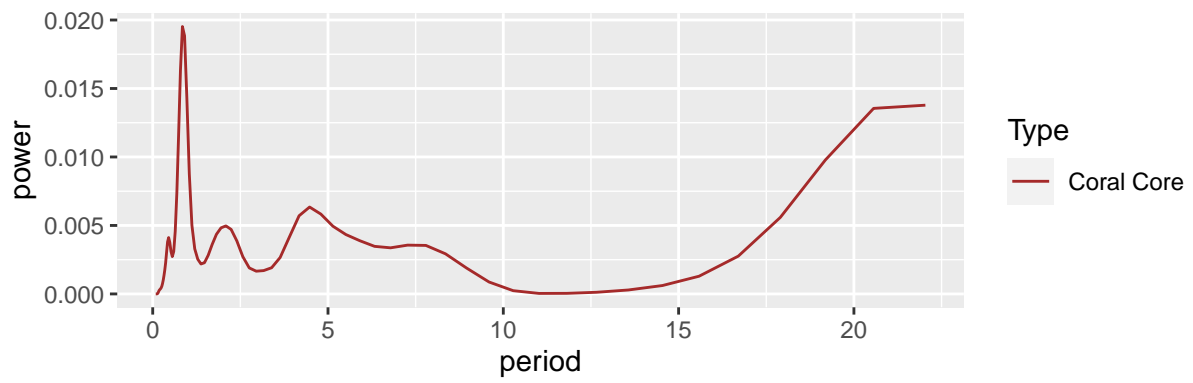
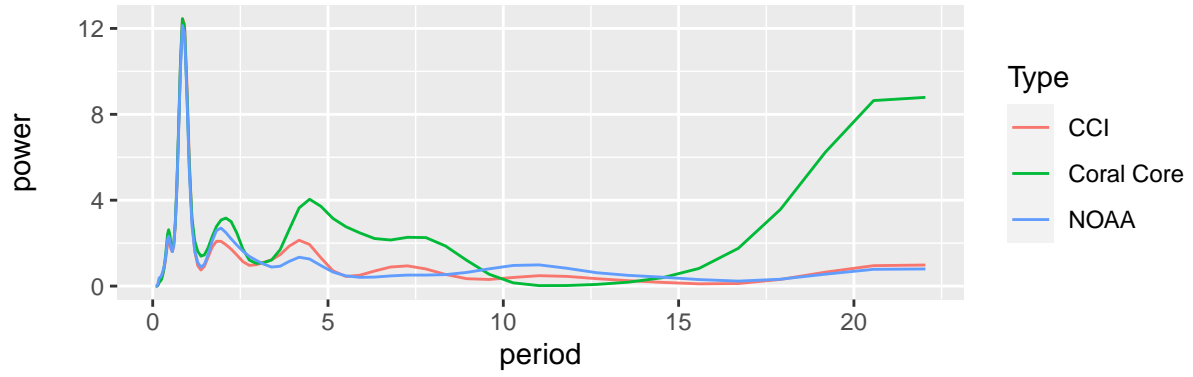
	Browse		Cocos Keeling		Ningaloo			
	BRS05	BRS07	DARL	DAR3	13TNT	08TNT	13BND	08BND
L_Browse	-16.577 (0.875)	531.158 (247.970)						
Q_Browse		-31.095 (14.024)						
L_Cocos			-8.096 (0.890)	-8.096 (0.890)				
L_Ningaloo					-435.076 (131.135)	-13.400 (0.815)	-3.654 (0.682)	-185.807 (49.633)
Q_Ningaloo					23.210 (7.203)			9.946 (2.723)
Num.Obs.	273	273	255	255	98	135	60	133
R2	0.570	0.624	0.247	0.247	0.626	0.671	0.331	0.580
R2 Adj.	0.568	0.622	0.244	0.244	0.618	0.668	0.320	0.574
AIC	693.4	658.5	594.6	594.6	324.8	424.0	139.8	253.9

Frequency Analysis - Spectral Analysis of Time Series for Sr/Ca Coral Proxy sites

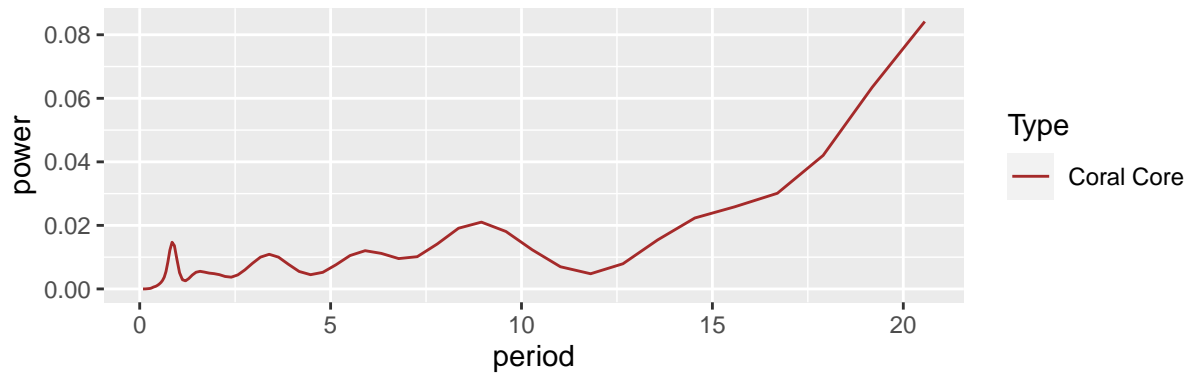
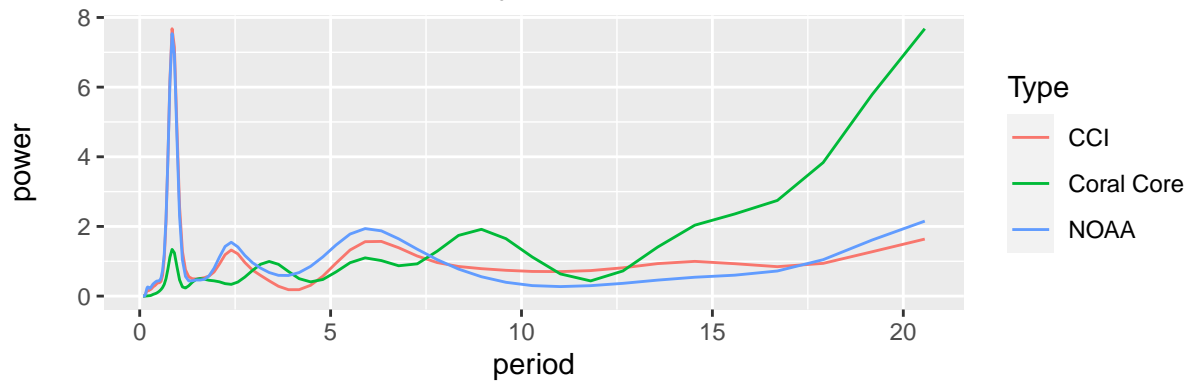
BRS05 NOAA, CCI and Adjusted Coral Core SST Time Series Power



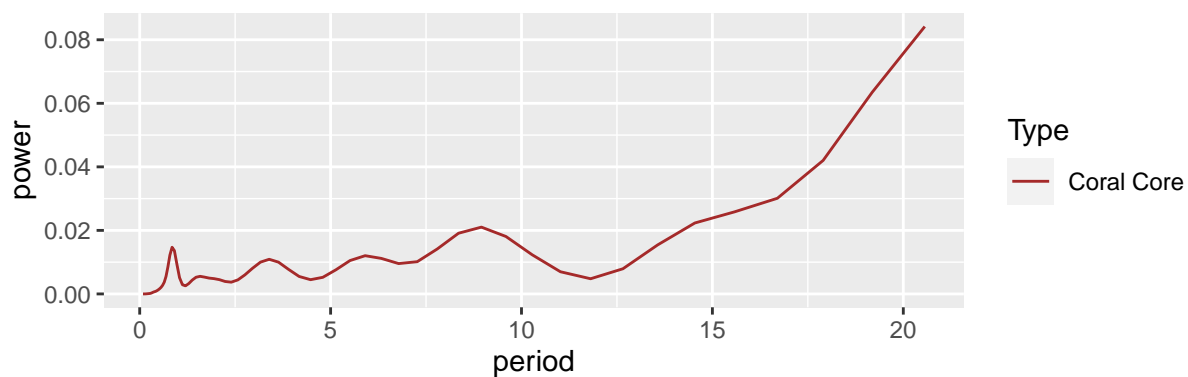
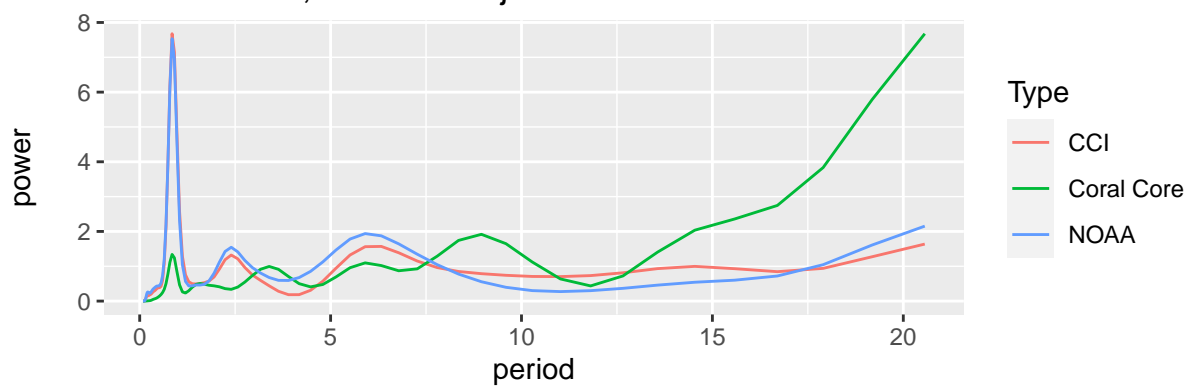
BRS07 NOAA, CCI and Adjusted Coral Core SST Time Series Power



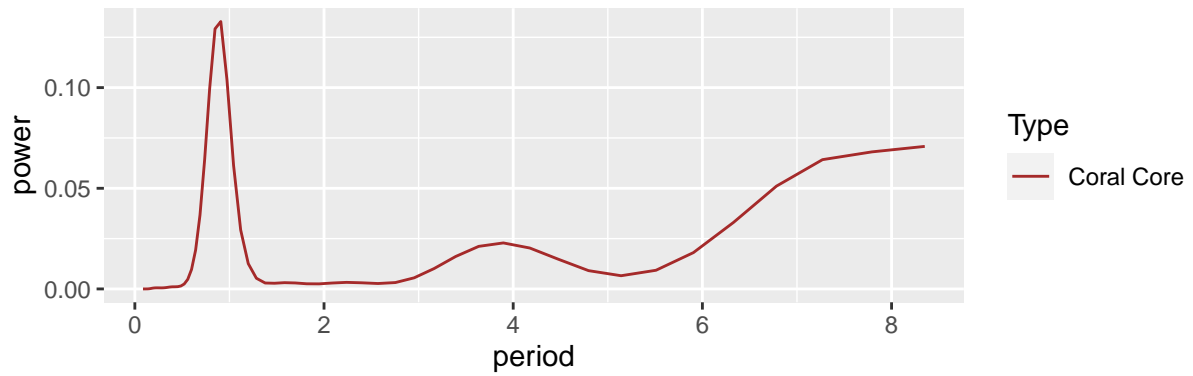
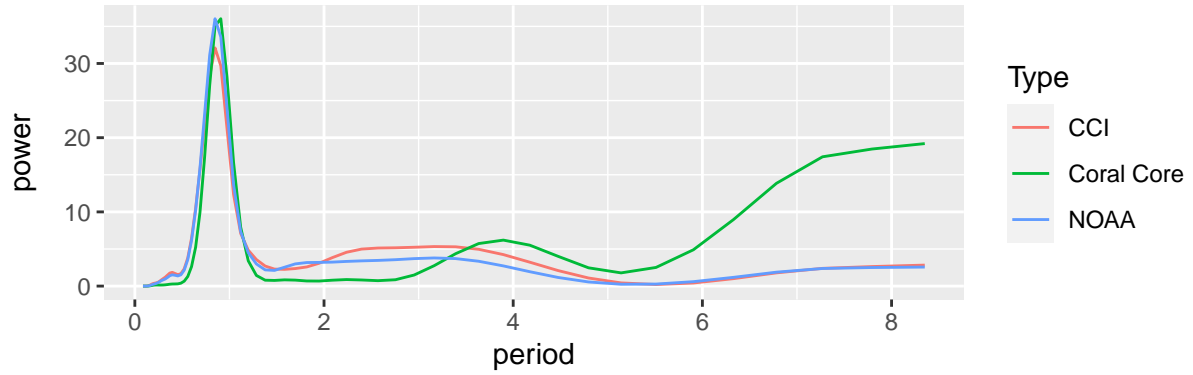
DAR3 NOAA, CCI and Adjusted Coral Core SST Time Series Power



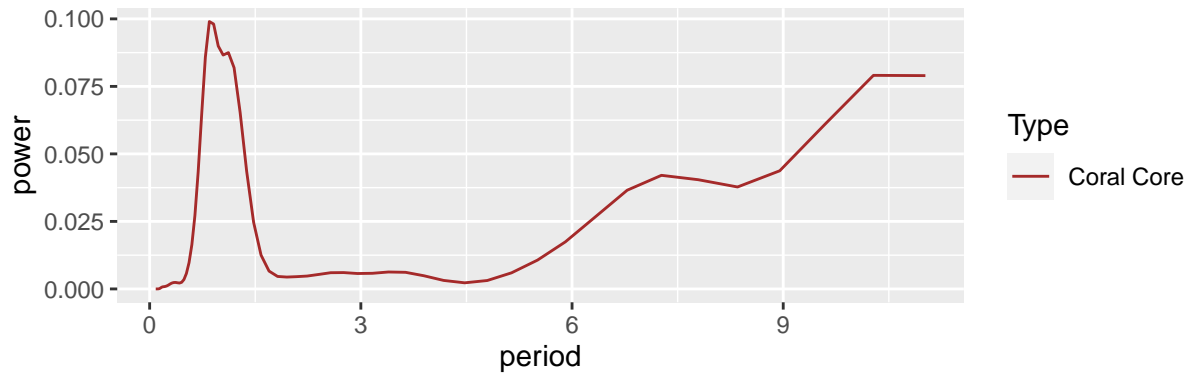
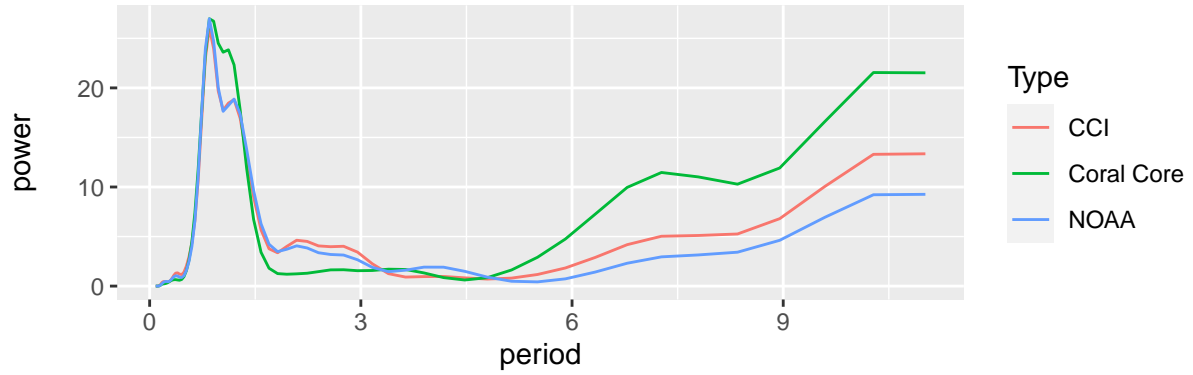
DARL NOAA, CCI and Adjusted Coral Core SST Time Series Power



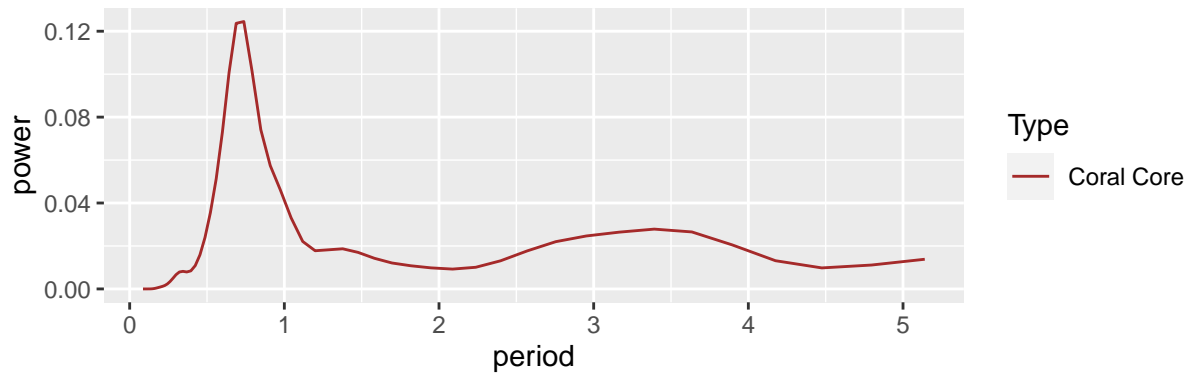
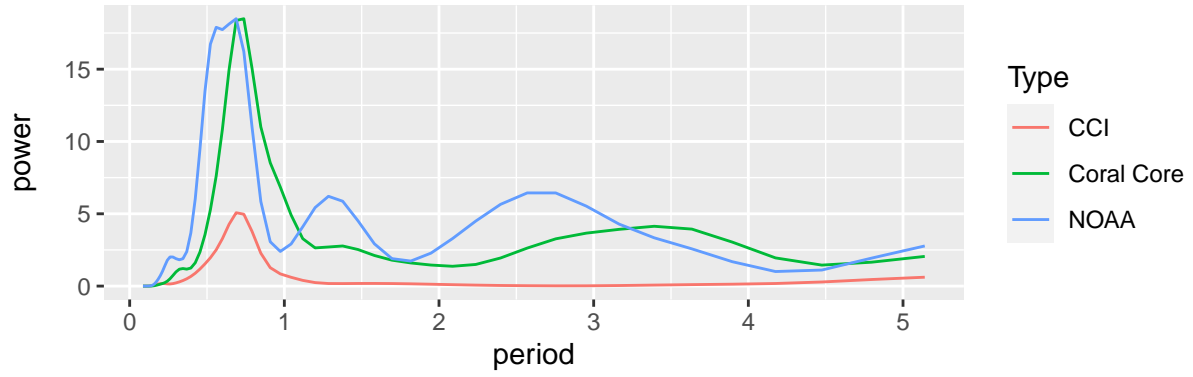
13TNT NOAA, CCI and Adjusted Coral Core SST Time Series Power



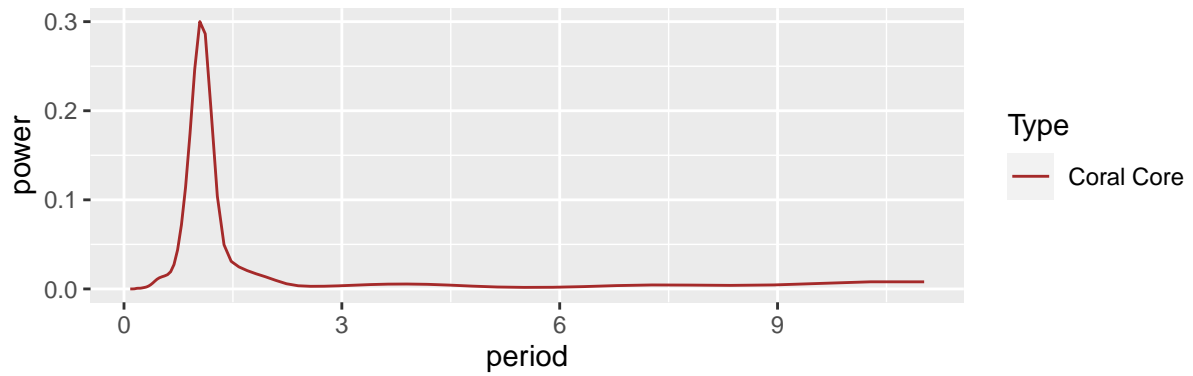
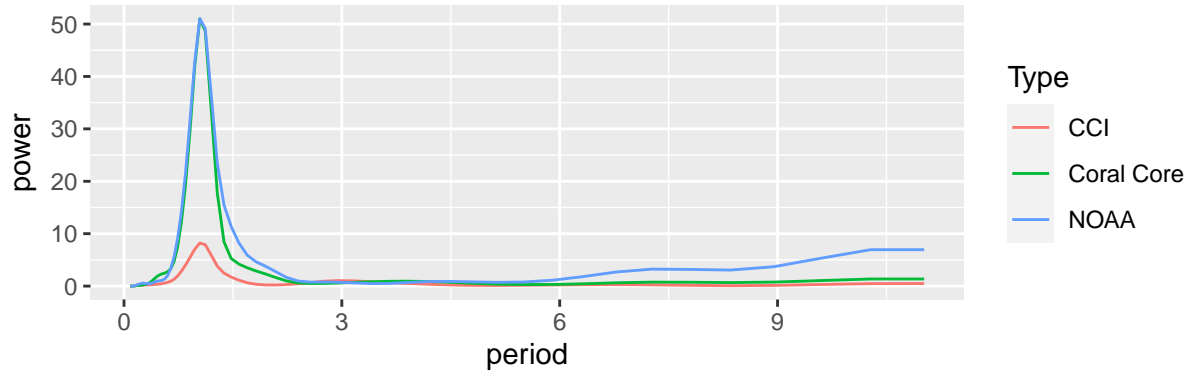
08TNT NOAA, CCI and Adjusted Coral Core SST Time Series Power



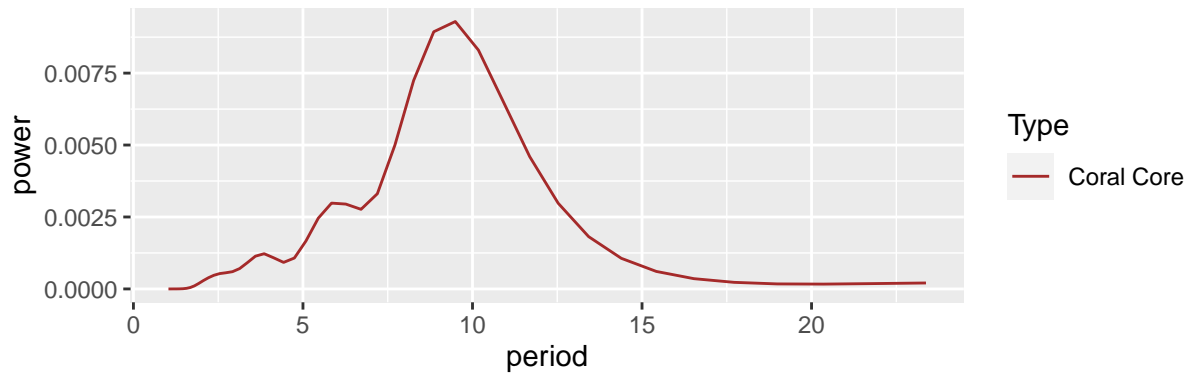
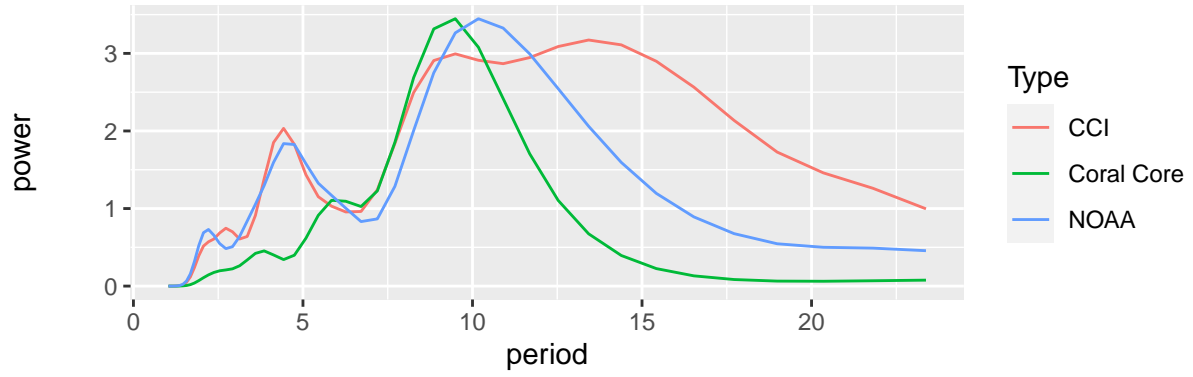
13BND NOAA, CCI and Adjusted Coral Core SST Time Series Power



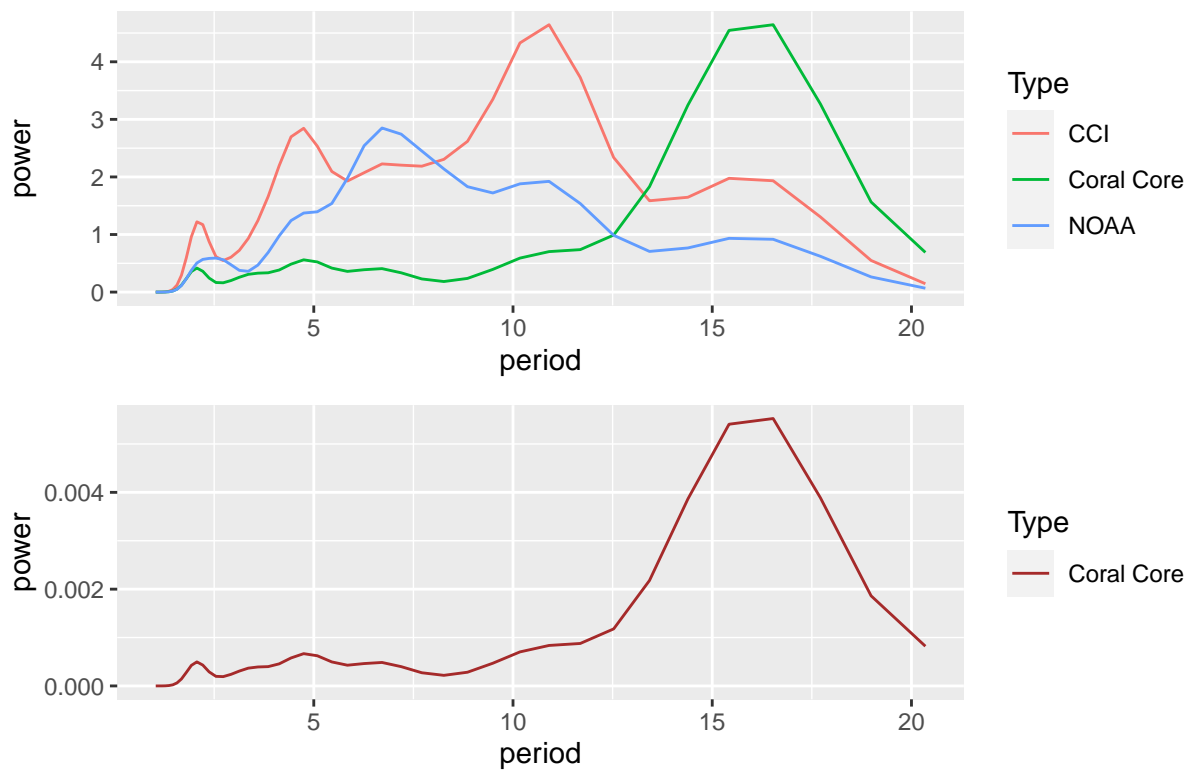
08BND NOAA, CCI and Adjusted Coral Core SST Time Series Power



TNT07C NOAA, CCI and Adjusted Coral Core SST Time Series Power



BUN05A NOAA, CCI and Adjusted Coral Core SST Time Series Power



HAB05B NOAA, CCI and Adjusted Coral Core SST Time Series Power

