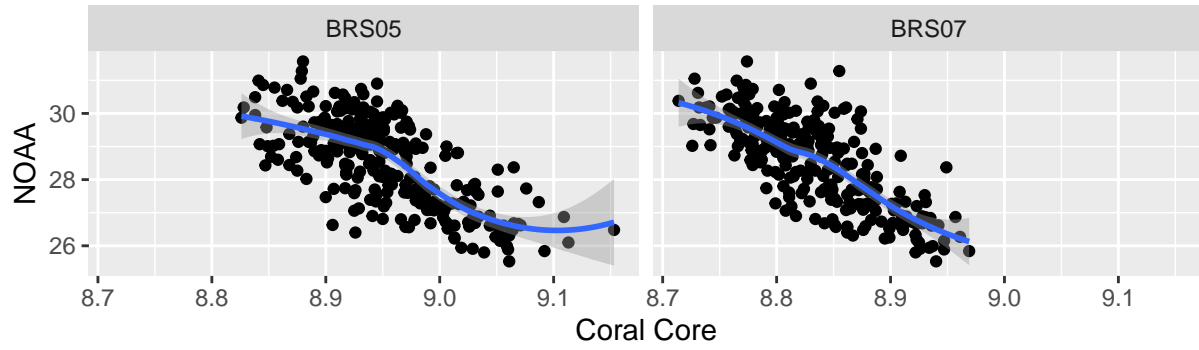


# Coral Core Calibration and Frequency Analysis

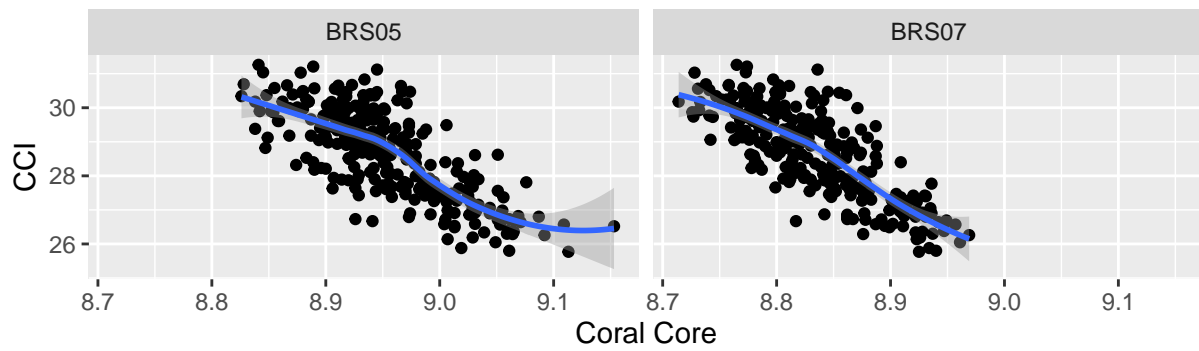
Vanessa Hui Fen Neo

2021-11-09

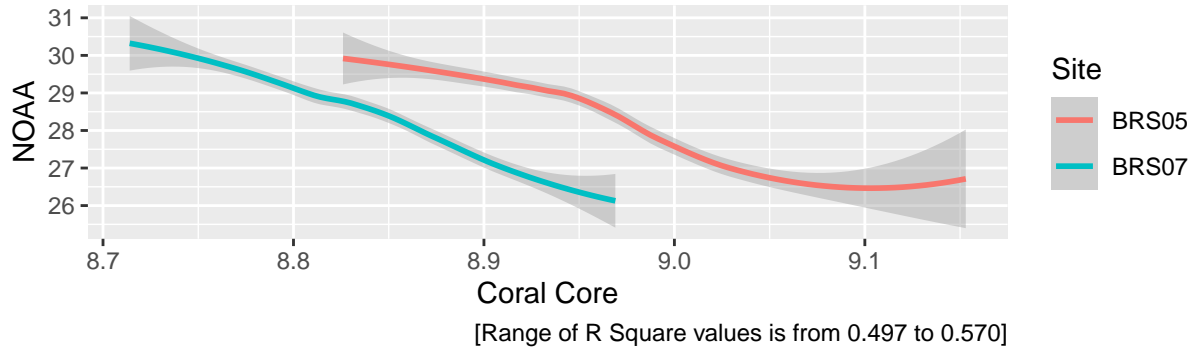
### Browse Island NOAA SST and Coral Core Proxy



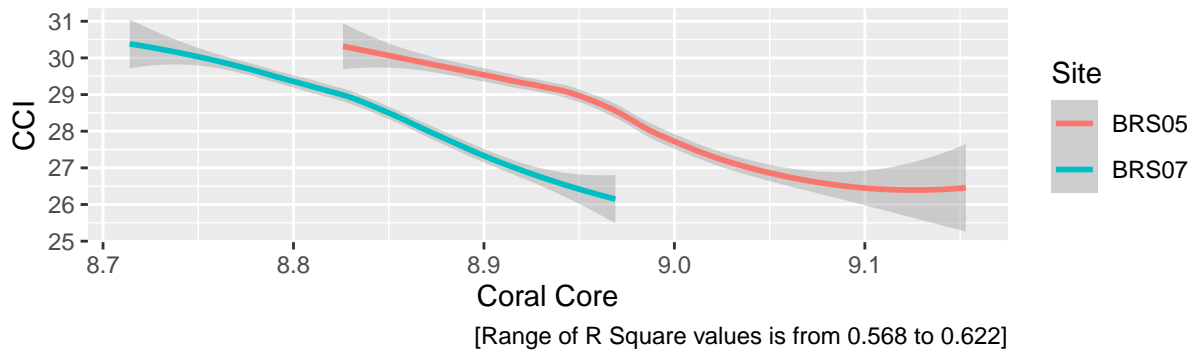
### Browse Island CCI SST and Coral Core Proxy



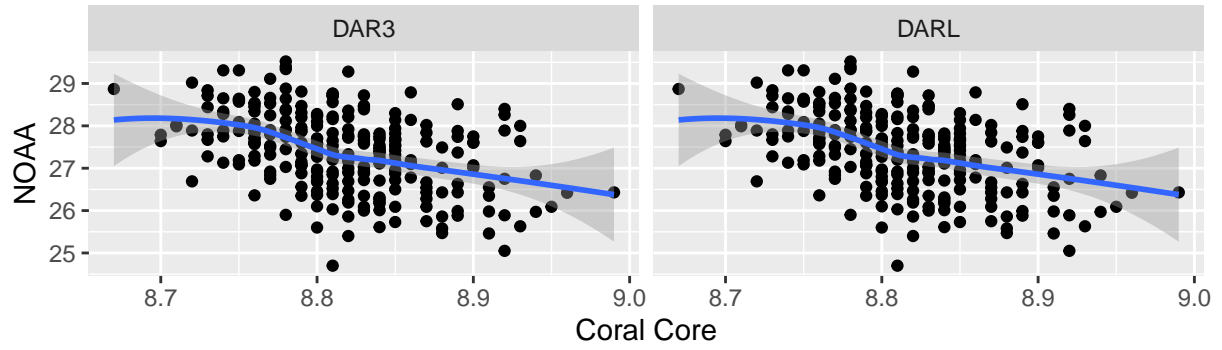
Browse Island NOAA SST and Coral Core Proxy



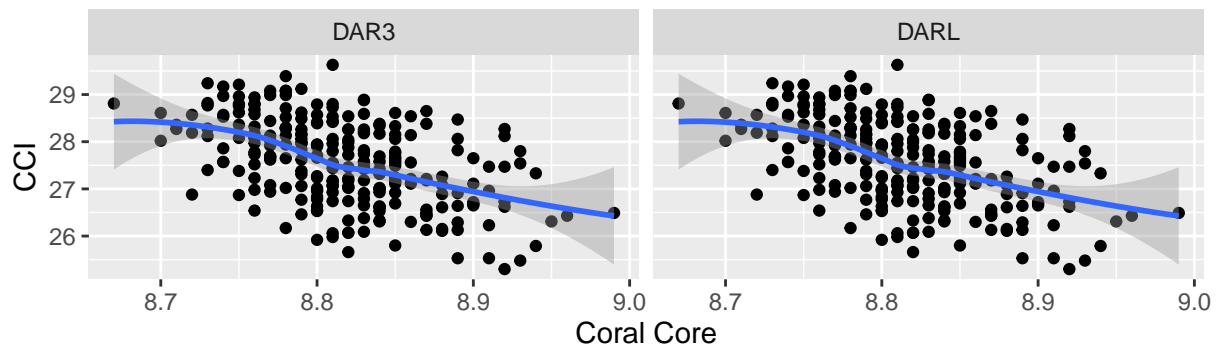
Browse Island CCI SST and Coral Core Proxy

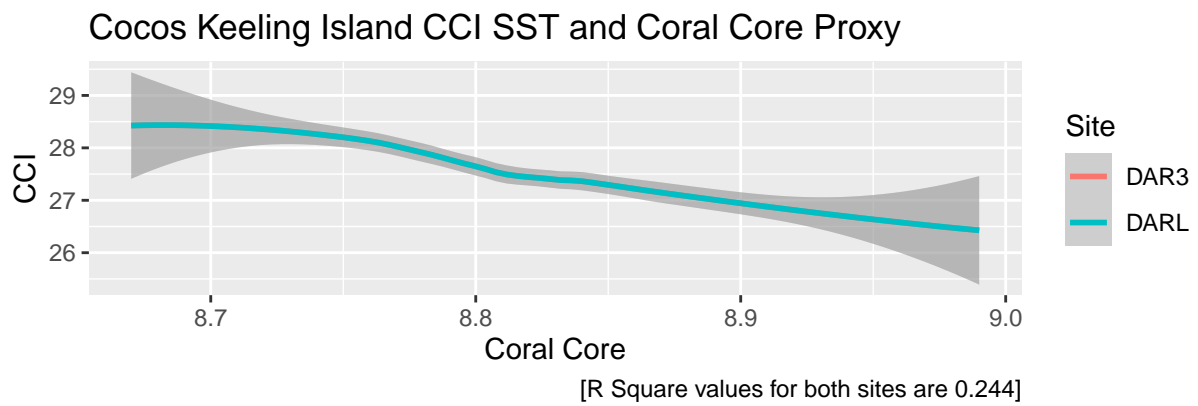
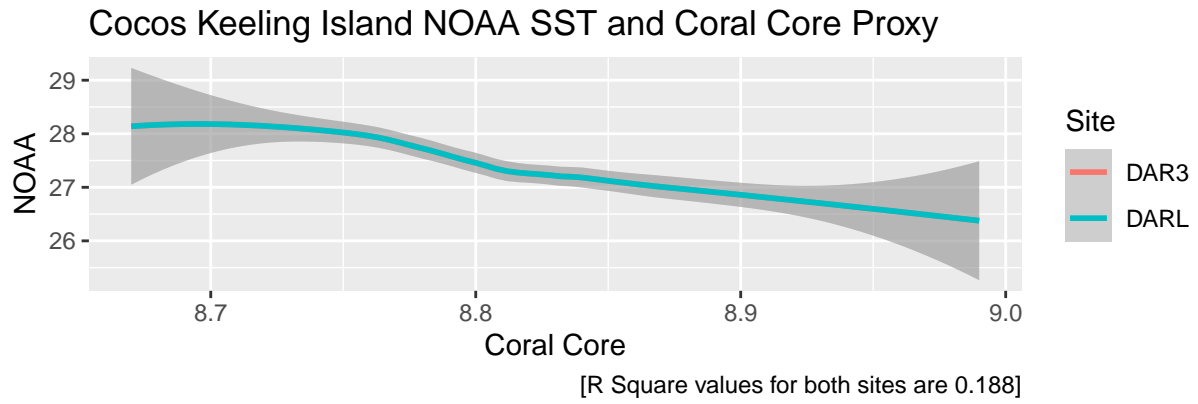


Cocos Keeling Island NOAA SST and Coral Core Proxy

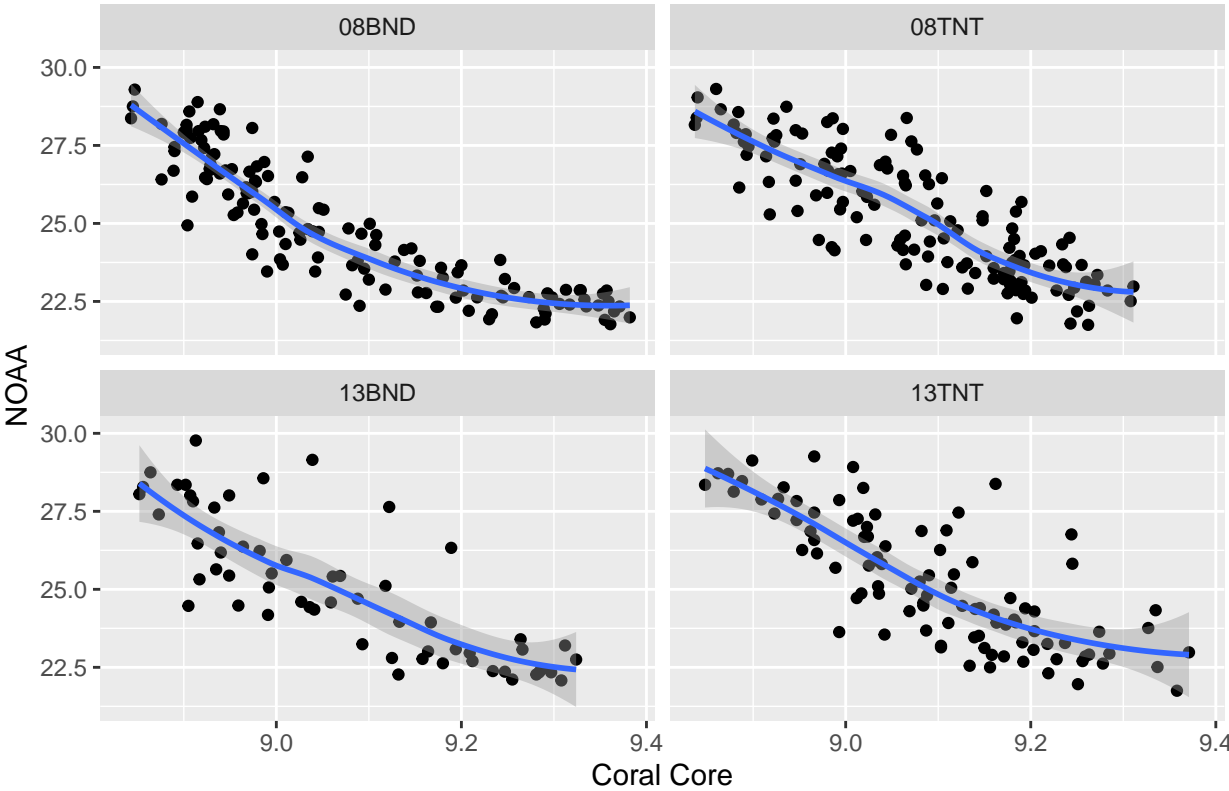


Cocos Keeling Island CCI SST and Coral Core Proxy

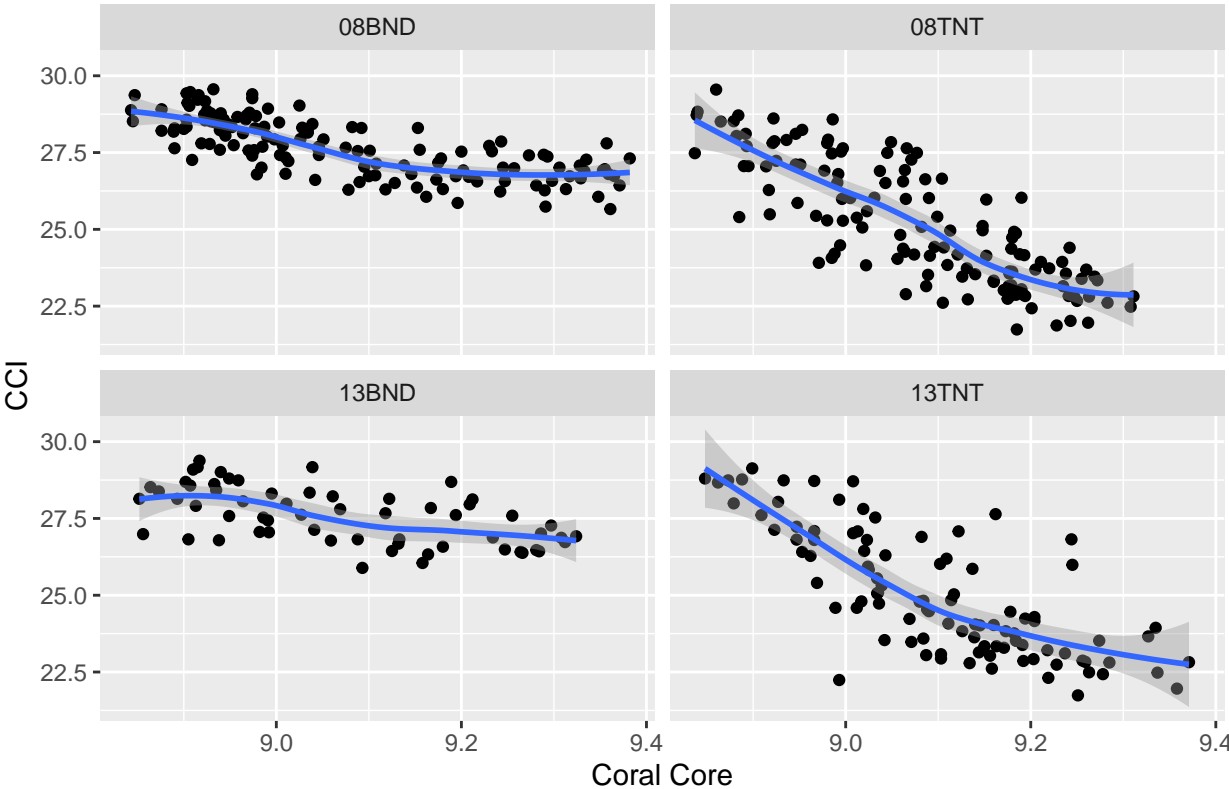




Ningaloo Reef NOAA SST and Coral Core Proxy



Ningaloo Reef CCI SST and Coral Core Proxy



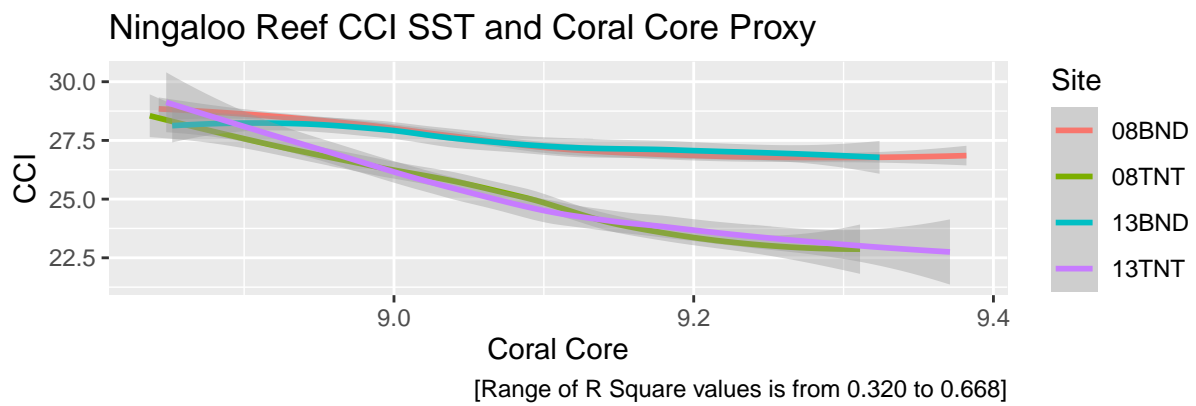
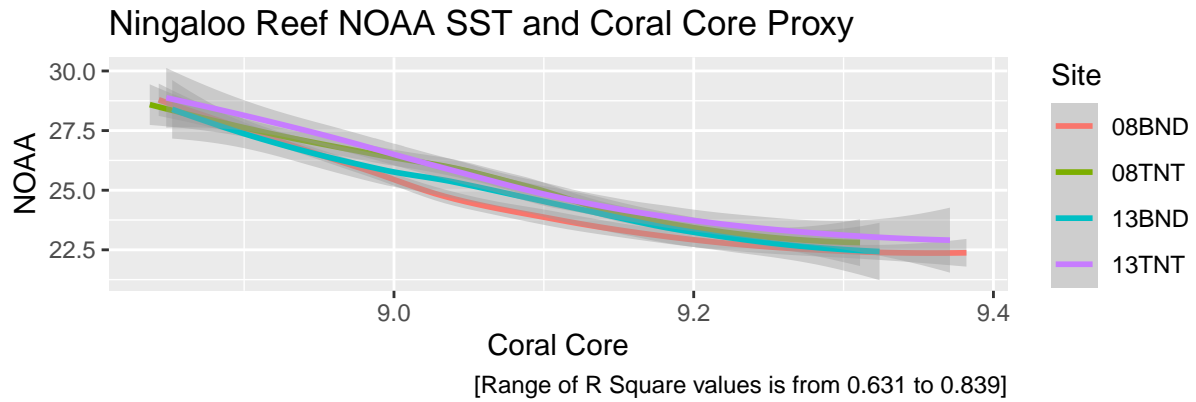




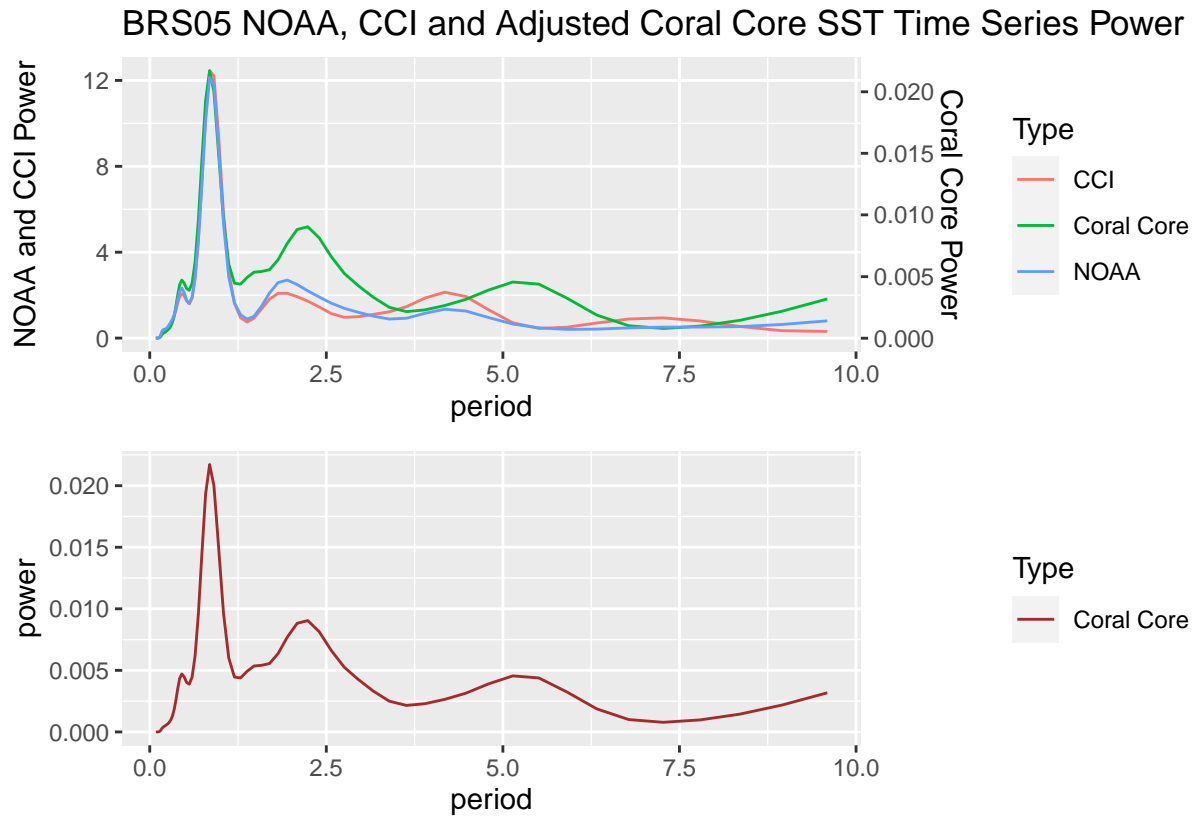
Table 1: NOAA

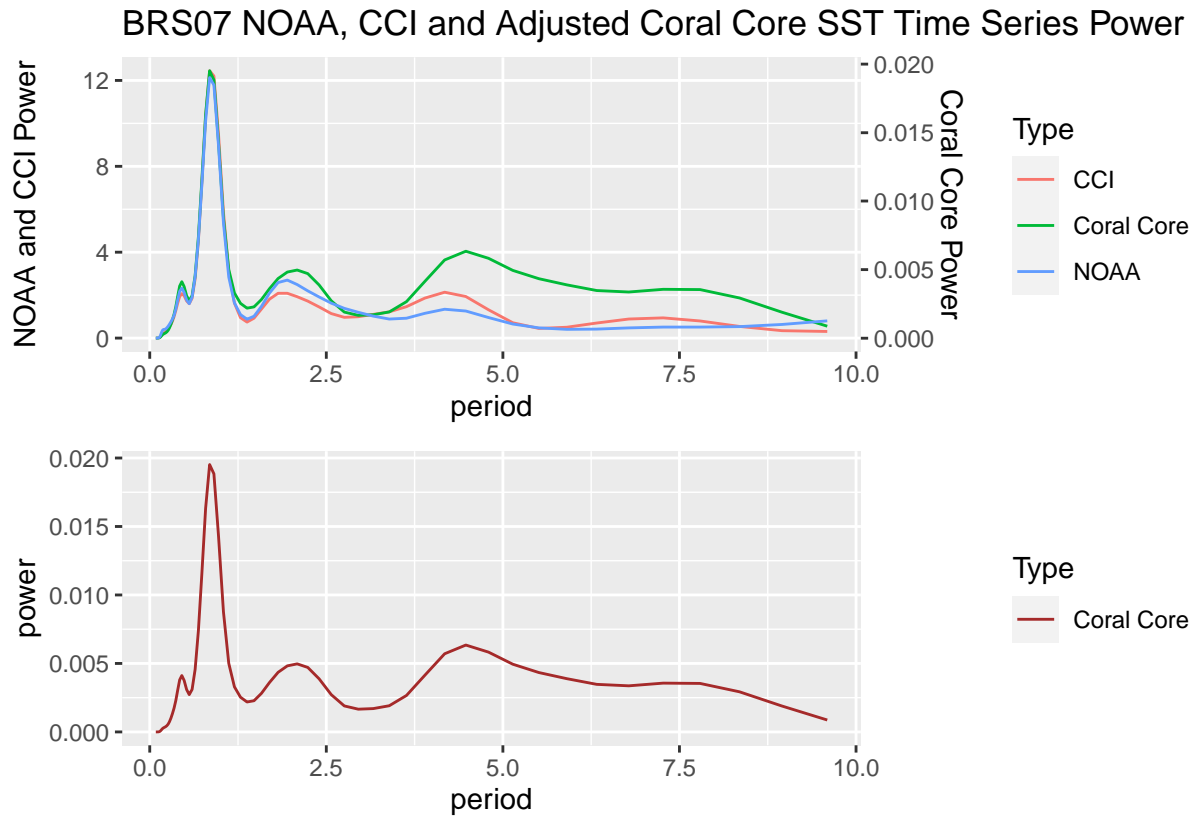
	Browse		Cocos Keeling		Ningaloo			
	BRS05	BRS07	DARL	DAR3	13TNT	08TNT	13BND	08BND
L_Browse	-15.892 (0.968)	-18.394 (0.967)						
L_Cocos			-7.413 (0.957)	-7.413 (0.957)				
L_Ningaloo					-344.021 (129.197)	-13.498 (0.762)	-12.655 (1.170)	-502.398 (68.200)
Q_Ningaloo					18.191 (7.096)			26.896 (3.741)
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

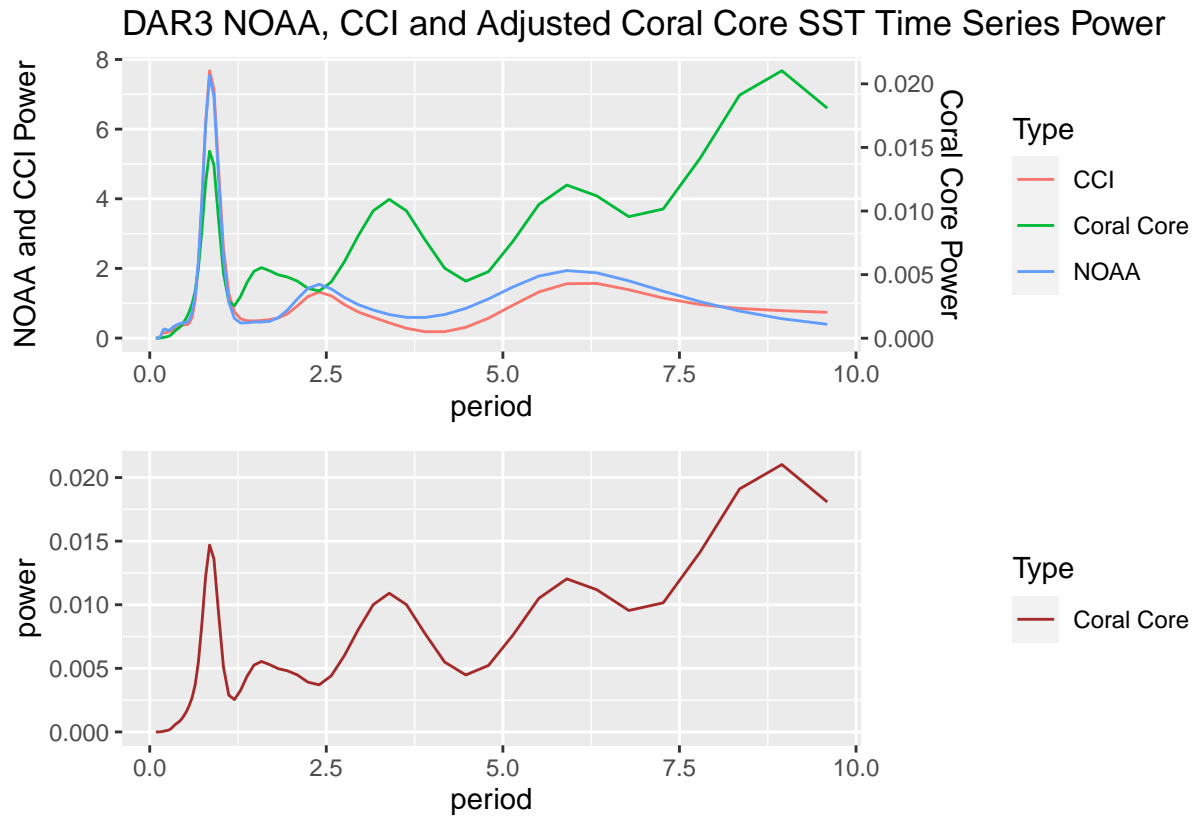
Table 2: CCI

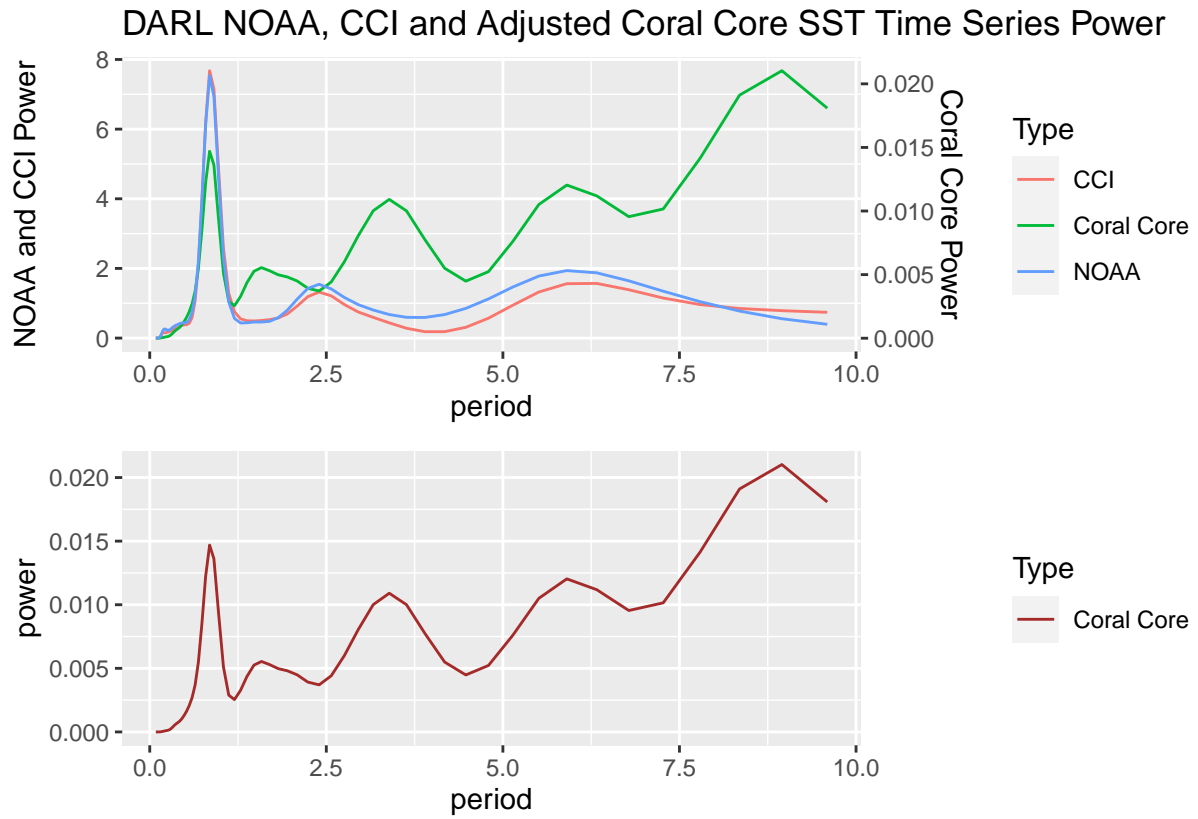
	Browse		Cocos Keeling		Ningaloo			
	BRS05	BRS07	DARL	DAR3	13TNT	08TNT	13BND	08BND
L_Browse	-16.577 (0.875)	531.158 (247.970)						
Q_Browse		-31.095 (14.024)						
L_Cocos			-8.096 (0.890)	-8.096 (0.890)				
L_Ningaloo					-435.076 (131.135)	-13.400 (0.815)	-3.654 (0.682)	-185.807 (49.633)
Q_Ningaloo					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

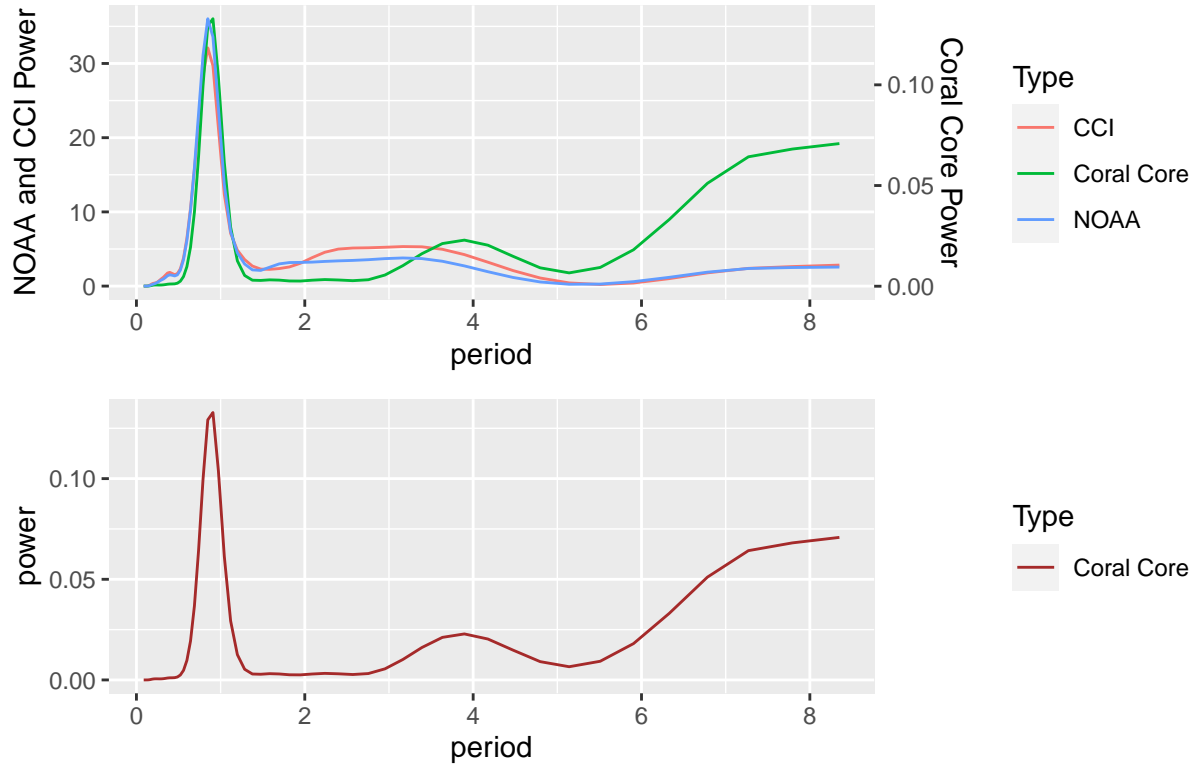


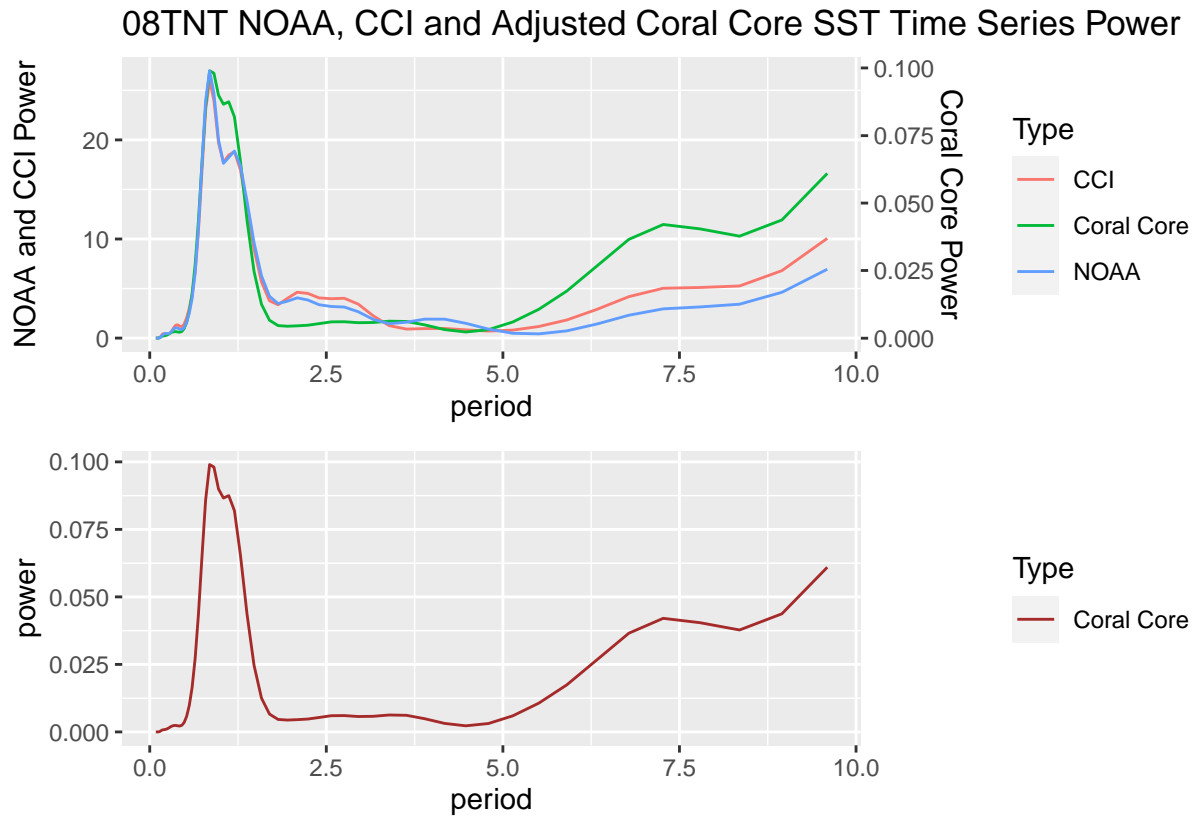






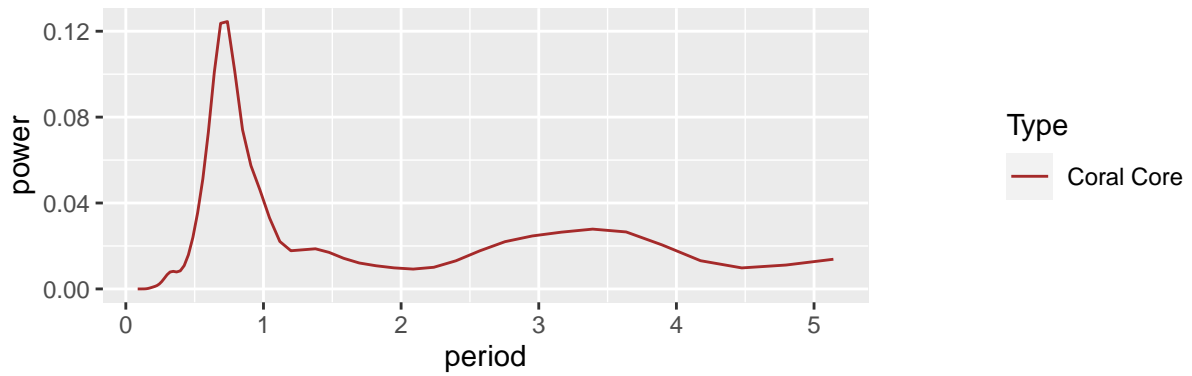
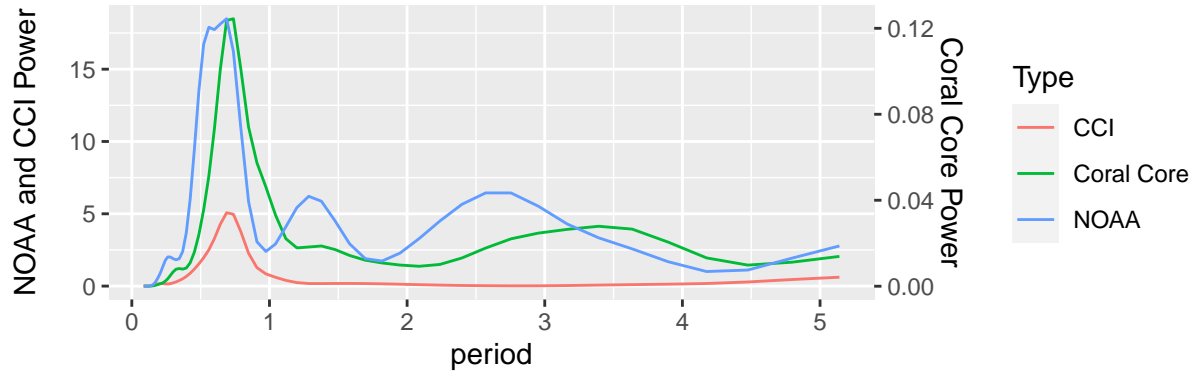
13TNT NOAA, CCI and Adjusted Coral Core SST Time Series Power







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



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

