	SSTa	AVHRR	AVHRRa	UPW	ALONG
Avila Beach Lag 1					
SST	0.5149*	0.4689*	0.1257*	-0.6149*	0.2417
SSTa		0.1221	0.1011	-0.5222*	0.5374*
AVHRR			0.7933	-0.3637*	-0.1129*
AVHRRa				-0.6571*	-0.0447
UPW					-0.1950
Avila Beach Lag 7					
SST	0.4917*	-0.1565	-0.3476	-0.7294*	0.2518
SSTa		-0.0112	-0.0592	-0.6743*	0.2666
AVHRR			0.8118	0.1387*	-0.3655
AVHRRa				0.22567	-0.3774
UPW					-0.4989
Cayucos Lag 1					
SST	0.4819*	0.6092	-0.0161	-0.5207*	-0.0281
SSTa		0.2795	0.3189	-0.4644*	0.2189
AVHRR			0.0062	-0.5309*	-0.1426
AVHRRa				0.1200	0.2940
UPW					-0.2015
Cayucos Lag 7					
SST	0.42435	0.013852	-0.52289	-0.48891	0.16963
SSTa		-0.21483	-0.43817	-0.45718	0.37093
AVHRR			0.25957	0.025817	-0.35437
AVHRRa				0.52529	-0.27642
UPW					-0.49265
San Simeon Lag 1					
SST	0.6111*	0.7836*	0.1225	-0.6856*	0.0662
SSTa		0.5955*	0.4208	-0.5824*	0.2419
AVHRR			0.5902*	-0.4657*	-0.0575
AVHRRa				-0.1820	-0.1767
UPW					-0.0784
San Simeon Lag 7					
SST	0.4902*	0.1375	-0.0919	-0.6881*	0.2712
SSTa		-0.1597	-0.0299	-0.5650*	0.3674*
AVHRR			0.6451*	-0.1260	-0.3040
AVHRRa				-0.0881	-0.0683
UPW					-0.4049

Table 2. Supporting Online Material

Correlation coefficients between all physical measurements used in this study at all sites and lags (see materials and methods for description). SST is 7-day filtered sea surface temperature taken from local temperature loggers, SSTa is 7-day filtered sea surface temperature anomalies, AVHRR is 7-day filtered AVHRR sea surface temperature, AVHRRa is 7-day filtered AVHRR sea surface temperature anomalies, UPW is 7-day filtered Bakun upwelling index, and ALONG is 7-day filtered index of alongshore transport. * indicates significance at $p < 0.05$. Note that sample dates varied between sites therefore regional indices of upwelling and alongshore transport are not equivalent between sites.