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Supplement of

Evidence for the non-influence of salinity variability on the *Porites* coral Sr / Ca palaeothermometer

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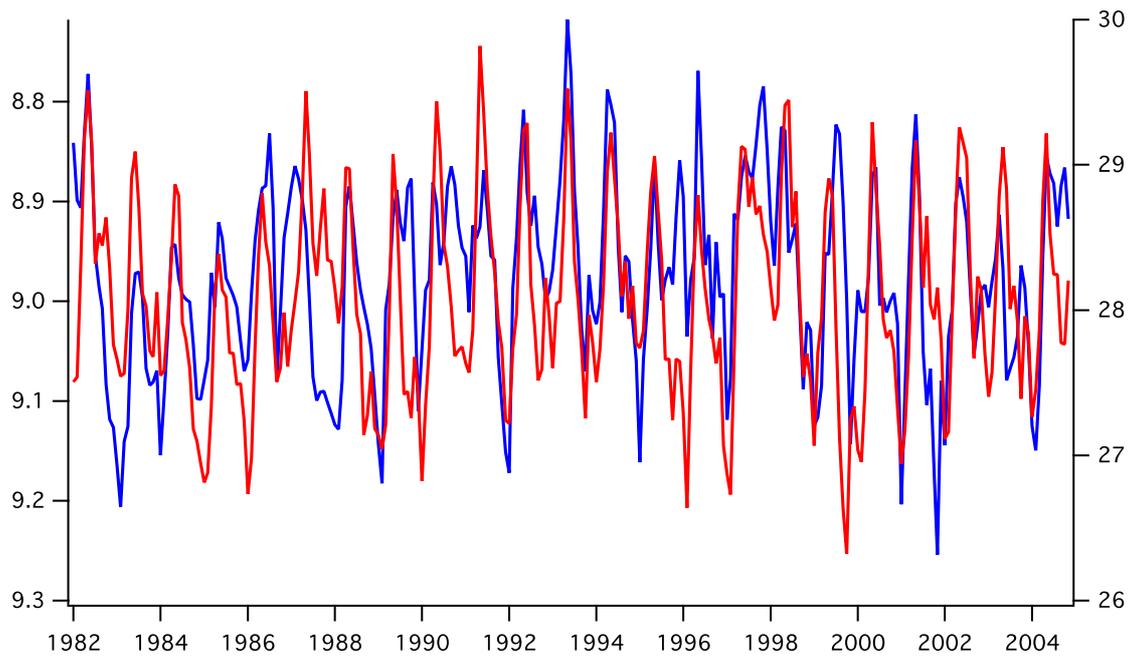


Fig. S1. Sr/Ca record from Clipperton atoll (blue curve) and the instrumental SST record [Reynold *et al.*, 2002] at this location (red curve).

31 **Table S1.** Summary of the SST (OISST monthly product, version 2, Reynolds et al., 2002)
 32 and SSS (SODA SSS product v2.2.4, Carton and Giese 2008 and IRD SSS product, Delcroix
 33 et al., 2011) grid point for each location.

Location	SST grid point	SODA SSS grid point	IRD SSS grid point
1-E.Santo, Vanuatu	15.5°S-167.5°E	15.25°S-167.25°E	15°S-167°E
2-Kavieng, Papua New Guinea	2.5°S-150.5°E	2.25°S-150.25°E	2°S-150°E
3-Rabaul, Papua New Guinea	4.5°S-151.5°E	4.25°S-151.75°E	4°S-152°E
4-Amédée, New Caledonia	22.5°S-166.5°E	22.25°S-166.25°E	22°S-166°E
5-Ha'afera, Tonga	19.5°S-174.5°W	20.25°S-174.75°W	20°S-174°W
6-Fiji	17.5°S-178.5°E	17.25°S-178.75°E	17°S-179°E
7-Tahiti	17.5°S-149.5°W	17.25°S-149.25°W	17°S-149°W
8-Rarotonga	21.5°S-159.5°W	21.25°S-159.75°W	21°S-159°W
9-Christmas Island, Kiribati	1.5°N-157.5°W	1.75°N-157.25°W	1°N-157°W
10-Fanning, Kiribati	3.5°N-159.5°W	3.75°N-159.25°W	3°N-159°W
11-Palmyra, Central Pacific	5.5°N-162.5°W	5.75°N-162.25°W	5°N-162°W
12-Clipperton, East Pacific	10.5°N-109.5°W	10.25°N-109.25°W	10°N-109°W
13-Xisha, China Sea	16.5°N-112.5°E	16.75°N-112.25°E	-
14-Ogasawara, Japan	27.5°N-141.5°E	27.25°N-141.25°E	-
15-Madagascar	23.5°S-43.5°E	23.25°S-43.75°E	-
16-Mayotte	12.5°S-45.5°E	12.75°S-45.25°E	-
17-Aqaba, Red Sea	29.5°N-34.5°E	28.25°N-34.75°E	-
18-Timor	10.5°S-122.5°E	10.25°S-122.75°E	-

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38 **SM References**

- 39 Reynolds, R.W., Rayner, N.A., Smith, T.M., Stokes, D.C., Wang, W.: An improved in situ
40 and satellite SST analysis for climate, *J. Climate*, 15(13) : 1609-1625, 2002.