

Supporting Information for

Evolution of the oligotrophic West Pacific Warm Pool during the Pliocene–Pleistocene boundary

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Introduction This supporting information provides tables (S1 and S2) for figures 3 (Age depth model for studied Sites 807 and 214) as table S3 for Figure 4.2 seen in the manuscript

Table S1: The ages of calcareous nannofossil and foraminifera are from ODP Site 807 from Berggren et al. (1995a, 1995b) and have been updated updated to Gradstein et al. (2012).

Sample No. Site 807	Datum	Events	Depth (mbsf)	GTS 2012 (Ma)
2H-4,50-52	LO	<i>P. lacunosa</i> (N)	12.15	0.44
3H-4,50-52	LO	<i>C. macintyreii</i> (N)	21.65	1.6
4H-4,50-52	LO	<i>G. fistulosus</i> (F)	31.15	1.88
5H-4,50-52	LO	<i>D. tamalis</i> (N)	40.65	2.8
7H-4,50-52	LO	<i>G. altispira</i> (F)	59.65	3.13
8H-4,50-52	FO	<i>G. fistulosus</i> (F)	69.15	3.33
10H-4,50-52	LO	<i>C. acutus</i> (N)	88.15	5.04
14H-4,50-52	LO	<i>D. quinquerramus</i> (N)	126.15	5.59

Table S2: The ages of calcareous nannofossil and foraminifera are from DSDP 214 from Srinivasan and Chaturverdi, (1990) and Srinivasan and Sinha (1992) and have been updated updated to Gradstein et al. (2012).

Sample No. Site 214	Datum	Events	Avg depth (mbsf)	Age GTS 2012
1-5,127-129	LO	<i>P. lacunosa</i> (N)	7.50	0.44
3-1,96-98	LO	<i>G. fistulosus</i> (F)	19.98	1.88
3-2,109-111	FO	<i>G. truncalulinoides</i> (F)	21.53	1.93
3-4,100-102	LO	<i>G. multicamerata</i> (F)	24.48	2.98
5-6,53-55	FO	<i>G. fistulosus</i> (F)	46.39	3.33
7-4,147-149	FO	<i>G. crassaformis</i> (F)	63.89	4.31
8-1,100-102	LO	<i>G. nepenthes</i> (F)	67.39	4.37
9-6,100-103	FO	<i>S. dehiscens</i> (F)	84.30	5.53

Table S3: Statistical summary for Sites 807A and 214 with age intervals.

(Site) Age Interval	(807A) 3.15-1.9 Ma	(807A) 4-3.15 Ma	(807A) 5-4 Ma
N	75	32	96
Min	5.11	1.03	0
Max	31.65	9.6	7.67
Mean	15.44947	5.050625	3.704583
Stand. dev	±5.718342	±2.005837	±1.33438
(Site) Age Interval	(214) 3.15-1.9 Ma	(214) 4-3.15 Ma	(214) 5-4 Ma
N	134	27	49
Min	4.49	1.64	1.44
Max	42.39	6.88	5.6
Mean	18.3856	4.007778	3.272041
Stand. dev	±9.374029	±1.481707	±1.063534