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Photic zone changes in the north-west Pacific Ocean from MIS 4–5e

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Sample data											Isotope Data			Other data	Relative Species Biovolume			
Leg	Site	Hole	Core	Type	Section	Half	Top (cm)	Bottom (cm)	Composite depth (m)	Age (BP)	$\delta^{13}C$ (VPBD)	$\delta^{18}O$ (VSMOW)	$\delta^{30}Si$ (NBS-28)	C_{diatom} (wt.%)	*C. marginatus*	*C. radiatus*	Other	Origin of $\delta^{18}O$ data
145	882	A	1	H	2	W	89	90	3.035	57.16	-20.3	39.9	1.37	0.41	0.7	99.3	0.1	This study
145	882	A	1	H	2	W	95	96	3.095	58.13	N/A	38.6	1.31	N/A	0.4	97.2	2.5	This study
145	882	A	1	H	2	W	102	103	3.165	59.26	N/A	37.8	0.85	N/A	0.8	99.2	0.0	This study
145	882	A	1	H	2	W	108	109	3.225	59.93	N/A	39.8	N/A	N/A	0.4	96.6	3.0	Swann et al., (2008)
145	882	A	1	H	2	W	114	115	3.285	60.39	N/A	39.4	0.84	N/A	0.6	99.4	0.0	This study
145	882	A	1	H	3	W	14	15	3.785	64.23	N/A	38.6	1.59	N/A	0.5	98.9	0.6	This study
145	882	A	1	H	3	W	38	39	4.025	67.22	N/A	37.3	1.01	N/A	0.0	100.0	0.0	This study
145	882	A	1	H	3	W	45	46	4.095	68.15	-17.5	40.0	1.41	0.20	0.0	99.9	0.1	This study
145	882	A	1	H	3	W	53	54	4.175	69.21	N/A	43.2	N/A	N/A	0.2	98.7	1.1	Swann et al., (2008)
145	882	A	1	H	3	W	61	62	4.255	70.28	N/A	38.8	1.17	N/A	0.0	99.9	0.1	This study
145	882	A	1	H	3	W	68	69	4.325	71.21	N/A	37.9	1.47	N/A	0.0	100.0	0.0	This study
145	882	A	1	H	3	W	76	77	4.405	72.27	-18.8	38.9	1.26	0.25	0.4	99.6	0.0	This study
145	882	A	1	H	3	W	83	84	4.475	73.20	N/A	42.6	N/A	N/A	0.4	97.5	2.0	Swann et al., (2008)
145	882	A	1	H	3	W	91	92	4.555	74.26	-15.4	39.3	1.20	0.32	0.0	100.0	0.0	This study
145	882	A	1	H	3	W	99	100	4.635	75.33	N/A	40.6	1.06	N/A	0.0	100.0	0.0	This study
145	882	A	1	H	3	W	106	107	4.705	76.26	N/A	36.4	N/A	N/A	1.1	94.9	4.0	Swann et al., (2008)
145	882	A	1	H	3	W	114	115	4.785	77.32	-19.7	N/A	N/A	0.19	0.6	99.4	0.0	This study
145	882	A	1	H	3	W	121	122	4.855	78.20	-19.7	38.7	0.87	0.37	0.5	99.5	0.0	This study
145	882	A	1	H	4	W	13	14	5.275	83.20	N/A	37.8	1.02	N/A	0.4	99.6	0.0	This study
145	882	A	1	H	4	W	22	23	5.365	84.27	N/A	37.9	N/A	N/A	0.4	96.0	3.5	Swann et al., (2008)
145	882	A	1	H	4	W	30	31	5.445	85.44	N/A	40.3	1.13	N/A	0.0	100.0	0.0	This study
145	882	A	1	H	4	W	37	38	5.515	86.88	-15.6	42.5	1.24	0.37	0.0	100.0	0.0	This study
145	882	A	1	H	4	W	45	46	5.595	88.51	-17.6	42.4	1.21	0.41	1.1	98.9	0.0	This study
145	882	A	1	H	4	W	52	53	5.665	89.95	N/A	42.2	N/A	N/A	0.2	96.6	3.2	Swann et al., (2008)
145	882	A	1	H	4	W	60	61	5.745	91.40	-15.8	42.1	1.17	0.36	0.5	99.5	0.0	This study
145	882	A	1	H	4	W	67	68	5.815	92.45	-14.9	43.2	1.30	0.37	0.0	100.0	0.0	This study
145	882	A	1	H	4	W	74	75	5.885	93.50	-15.4	42.5	1.14	0.35	1.1	98.9	0.1	This study
145	882	A	1	H	4	W	82	83	5.965	94.70	N/A	41.6	N/A	N/A	0.0	97.9	2.1	Swann et al., (2008)
145	882	A	1	H	4	W	90	91	6.045	95.90	-14.5	42.9	1.24	0.33	0.0	100.0	0.0	This study
145	882	A	1	H	4	W	98	99	6.125	97.10	-15.4	42.6	1.17	0.33	0.0	100.0	0.0	This study
145	882	A	1	H	4	W	107	108	6.215	98.45	N/A	39.8	N/A	N/A	0.2	95.8	4.0	Swann et al., (2008)
145	882	A	1	H	4	W	115	116	6.295	99.65	-16.8	42.6	1.16	0.39	0.4	99.6	0.0	This study
145	882	A	1	H	4	W	123	124	6.375	100.85	-19.3	42.3	1.09	0.35	0.3	99.7	0.0	This study
145	882	A	1	H	4	W	131	132	6.455	102.05	-18.9	42.5	1.01	0.34	0.4	99.6	0.0	This study
145	882	A	1	H	5	W	14	15	6.785	107.41	-19.7	41.6	0.94	0.38	1.2	98.8	0.0	This study
145	882	A	1	H	5	W	27	28	6.915	109.98	N/A	34.0	0.66	N/A	10.8	88.6	0.6	This study
145	882	A	1	H	5	W	32	33	6.965	110.97	-19.3	38.4	N/A	0.30	13.7	86.2	0.0	This study
145	882	A	1	H	5	W	42	43	7.065	112.94	N/A	38.7	N/A	N/A	24.8	66.3	8.9	Swann et al., (2008)
145	882	A	1	H	5	W	46	47	7.105	113.73	-17.9	42.2	0.73	0.33	5.4	94.6	0.0	This study

145	882	A	1	H	5	W	49	50	7.135	115.16	-16.6	41.0	0.94	0.29	18.6	81.4	0.0	This study
145	882	A	1	H	5	W	52	53	7.165	116.76	N/A	41.3	N/A	N/A	19.9	73.7	6.4	Swann et al., (2008)
145	882	A	1	H	5	W	55	56	7.195	118.35	-15.5	42.5	0.80	0.25	17.3	82.1	0.6	This study
145	882	A	1	H	5	W	58	59	7.225	119.95	-17.7	42.4	0.98	0.31	14.9	84.5	0.6	This study
145	882	A	1	H	5	W	62	63	7.265	122.07	-17.7	41.4	0.84	0.25	9.4	90.6	0.0	This study
145	882	A	1	H	5	W	66	67	7.305	124.20	N/A	40.3	N/A	N/A	3.9	95.6	0.5	Swann et al., (2008)