Supplementary Material

Table S1: Coral fragments of sediment core 34-2 of *S. variabilis (S.v)* and two *M. oculata (M.o.)* dated by ^{230}Th/U. For details please see text.

IUP-Code	^{238}U (µg/g)	± (µg/g)	^{232}Th (ng/g)	± (ng/g)	^{230}Th/^{238}U (Act. Ratio)	± (abs.)	^{230}Th/^{232}Th (Act. Ratio)	± (abs.)	δ^{234}U (‰)	± (‰)	Age (uncorr.) (ka)	± (ka)	Age (cor.) (ka)	± (ka)	δ^{234}U$_{ini.}$ (‰)	± (‰)	Depth (cm)	Species
IUP 8650	3.89480	0.00062	0.3648	0.0012	0.13589	0.00051	4,415	22	151.42	0.62	13.677	0.049	13.654	0.058	157.37	0.64	5-6	S.v.
IUP 8651	4.23993	0.00025	3.132	0.011	0.14327	0.00055	590.3	3.0	147.72	0.84	14.520	0.060	14.34	0.11	153.83	0.87	13	S.v.
IUP 8733	3.06750	0.00059	0.5224	0.0017	0.16090	0.00055	2,886	14	138.72	0.72	16.585	0.066	16.542	0.067	145.36	0.76	80	M.o.
IUP 8734	2.78476	0.00035	0.30332	0.00085	0.16011	0.00061	4,490	21	138.3	1.1	16.503	0.068	16.476	0.068	144.9	1.1	88-89	S.v.
IUP 8652	3.00523	0.00020	3.5205	0.0089	0.16444	0.00061	427.8	1.9	139.6	1.0	16.963	0.072	16.67	0.16	146.4	1.1	90-91	S.v.
IUP 8735	3.01932	0.00013	0.4849	0.0013	0.16001	0.00052	3,043	13	138.91	0.96	16.483	0.054	16.443	0.067	145.5	1.0	90-92	S.v.
IUP 9765	3.18743	0.00010	0.5072	0.0019	0.16416	0.00059	3,177	17	139.12	0.83	16.940	0.057	16.900	0.074	145.93	0.87	100-103	S.v.
IUP 9766	3.42574	0.00012	0.7437	0.0031	0.16488	0.00072	2,344	14	137.79	0.75	17.042	0.083	16.988	0.082	144.57	0.79	103-106	S.v.
IUP 9767	3.06066	0.00012	0.5141	0.0025	0.16535	0.00089	3,028	22	140.1	1.0	17.056	0.089	17.01	0.10	146.99	1.06	104-106	S.v.
IUP 9768	2.98103	0.00011	2.0095	0.0087	0.16627	0.00077	755.2	4.8	139.42	0.85	17.170	0.081	17.00	0.12	146.29	0.89	104-107	S.v.
IUP 8653	3.34147	0.00018	1.6072	0.0043	0.30717	0.00099	1,948.6	8.2	137.23	0.83	34.15	0.15	34.03	0.14	151.08	0.92	117	S.v.
IUP 8736	3.23876	0.00023	0.9477	0.0021	0.5023	0.0011	5,228	16	131.97	0.77	63.18	0.20	63.11	0.22	157.74	0.93	131-132	S.v.
IUP 8737	3.59322	0.00021	1.0190	0.0028	0.4934	0.0013	5,297	20	125.00	0.51	62.25	0.20	62.17	0.22	149.01	0.62	134-135	S.v.
IUP 8738	3.45803	0.00024	0.5929	0.0014	0.5025	0.0012	8,934	31	131.84	0.64	63.24	0.20	63.19	0.22	157.62	0.77	134-136	S.v.
IUP 8654	3.30553	0.00027	0.6388	0.0027	0.4867	0.0022	7,671	48	124.11	0.89	61.20	0.40	61.15	0.35	147.5	1.1	136-140	S.v.
IUP 8655	3.40240	0.00024	0.5777	0.0015	0.4845	0.0013	8,678	32	120.39	0.55	61.12	0.24	61.08	0.19	143.08	0.66	154-159	S.v.
IUP 8656	3.37469	0.00052	0.5735	0.0011	0.4844	0.0013	8,679	28	124.53	0.96	60.78	0.24	60.74	0.24	147.8	1.1	157-158	S.v.
IUP 8657	3.63615	0.00040	0.7720	0.0021	0.4862	0.0013	6,974	27	121.16	0.81	61.34	0.24	61.29	0.21	144.07	0.96	159-160	S.v.
IUP 8739	3.69619	0.00029	1.6747	0.0039	0.4849	0.0013	3,268	12	123.07	0.65	60.98	0.24	60.86	0.24	146.18	0.78	159-164	S.v.
IUP 8740	3.14530	0.00021	0.3736	0.0010	0.4839	0.0012	12,447	45	126.30	0.77	60.56	0.21	60.53	0.20	149.86	0.92	163-167	S.v.
IUP 8741	2.99564	0.00023	0.3675	0.0011	0.4898	0.0015	12,191	52	125.27	0.93	61.63	0.26	61.60	0.24	149.1	1.1	167-169	S.v.
IUP 8658	3.10537	0.00058	0.4189	0.0013	0.4840	0.0015	10,927	48	124.1	1.2	60.75	0.25	60.72	0.26	147.3	1.4	171-173	S.v.
IUP 8659	3.02118	0.00012	0.4307	0.0012	0.4927	0.0013	10,543	40	126.07	0.75	62.05	0.22	62.02	0.23	150.22	0.90	177-178	S.v.
IUP 8742	3.16880	0.00017	0.5418	0.0014	0.4882	0.0014	8,713	34	123.05	0.74	61.53	0.24	61.49	0.24	146.40	0.89	180-182	S.v.
IUP 8660	3.03348	0.00016	0.4301	0.0011	0.4868	0.0012	10,510	37	128.04	0.79	60.91	0.22	60.88	0.21	152.07	0.95	182-183	S.v.
IUP 8661	3.63659	0.00047	3.965	0.011	0.4831	0.0014	1,348.8	5.5	119.57	0.66	60.95	0.22	60.68	0.28	141.94	0.79	183-187	S.v.
IUP 8743	3.33823	0.00025	1.0383	0.0026	0.4910	0.0014	4,820	18	125.38	0.66	61.81	0.23	61.74	0.24	149.28	0.79	185-187	S.v.
IUP 8662	3.12970	0.00055	0.5022	0.0013	0.4933	0.0013	9,374	35	124.95	0.95	62.24	0.23	62.20	0.25	149.0	1.1	187-192	S.v.
IUP 8663	3.53654	0.00029	1.5845	0.0051	0.7057	0.0022	4,800	21	112.41	0.88	107.25	0.60	107.14	0.55	152.2	1.2	477-482	M.o.
IUP 8664	4.11506	0.00048	3.8452	0.0092	0.7027	0.0017	2,292.9	7.9	110.49	0.57	106.85	0.42	106.62	0.46	149.35	0.80	480-481	S.v.
IUP 8666	3.27438	0.00038	1.5652	0.0041	0.8411	0.0023	5,372	20	98.25	0.68	152.73	0.95	152.61	0.93	151.2	1.1	549-550	S.v.
IUP 8744	2.88345	0.00020	0.9831	0.0023	0.8452	0.0020	7,584	25	95.9	1.1	155.12	0.79	155.04	0.86	148.7	1.7	553-555	S.v.
IUP 8667	2.87730	0.00020	1.5868	0.0049	0.8378	0.0026	4,635	20	94.22	0.63	152.8	1.0	152.7	1.1	145.1	1.1	555-557	S.v.
IUP 8745	2.49469	0.00016	0.30495	0.00083	0.8537	0.0020	21,351	77	96.1	1.4	158.44	0.98	158.40	0.92	150.4	2.2	562	S.v.
IUP 8746	3.37355	0.00020	0.4577	0.0012	0.8356	0.0021	18,827	69	91.16	0.82	153.04	0.90	153.00	0.85	140.5	1.3	565-568	S.v.
IUP 8668	3.02783	0.00028	0.9330	0.0023	0.8462	0.0025	8,370	32	92.92	0.44	156.59	0.89	156.51	0.99	144.62	0.80	567-569	S.v.