



Supporting Online Material for

The Phanerozoic Record of Global Sea-Level Change

Kenneth G. Miller,* Michelle A. Kominz, James V. Browning, James D. Wright,
Gregory S. Mountain, Miriam E. Katz, Peter J. Sugarman, Benjamin S. Cramer,
Nicholas Christie-Blick, Stephen F. Pekar

*To whom correspondence should be addressed: kgm@rci.rutgers.edu

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This PDF file includes:

Figs. S1 to S5
Table S1
References

Figure Captions (Supplementary Online Material)

Fig. S1. Compilation of Holocene relative sea-level records from the western North Atlantic.

Records are from New Jersey (blue/green symbols from this study and red symbols from N. P. Psuty, *Physical Geography*, **7**, 156 (1986), Delaware (46) southern New England (47), and a Caribbean reef compilation (49) with a polynomial fit from 8-0 ka (6) and a linear fit from 5-0 ka (this study).

Fig. S2. Comparison sea-level record from the Huon New Guinea terraces (7) and Barbados (6) and benthic foraminiferal $\delta^{18}\text{O}$ record from Pacific (Carnegie Ridge) core V19-30 (N. J. Shackleton, N. G. Pisias, in *The Carbon Cycle and Atmospheric CO₂*, E. T. Sunquist, W. S. Broecker, Eds. (American Geophysical Union, Washington, D.C., 1985), pp. 303-317.). Grey curve at bottom shows variations in insolation for June at 65°N latitude. 0 is modern sea level.

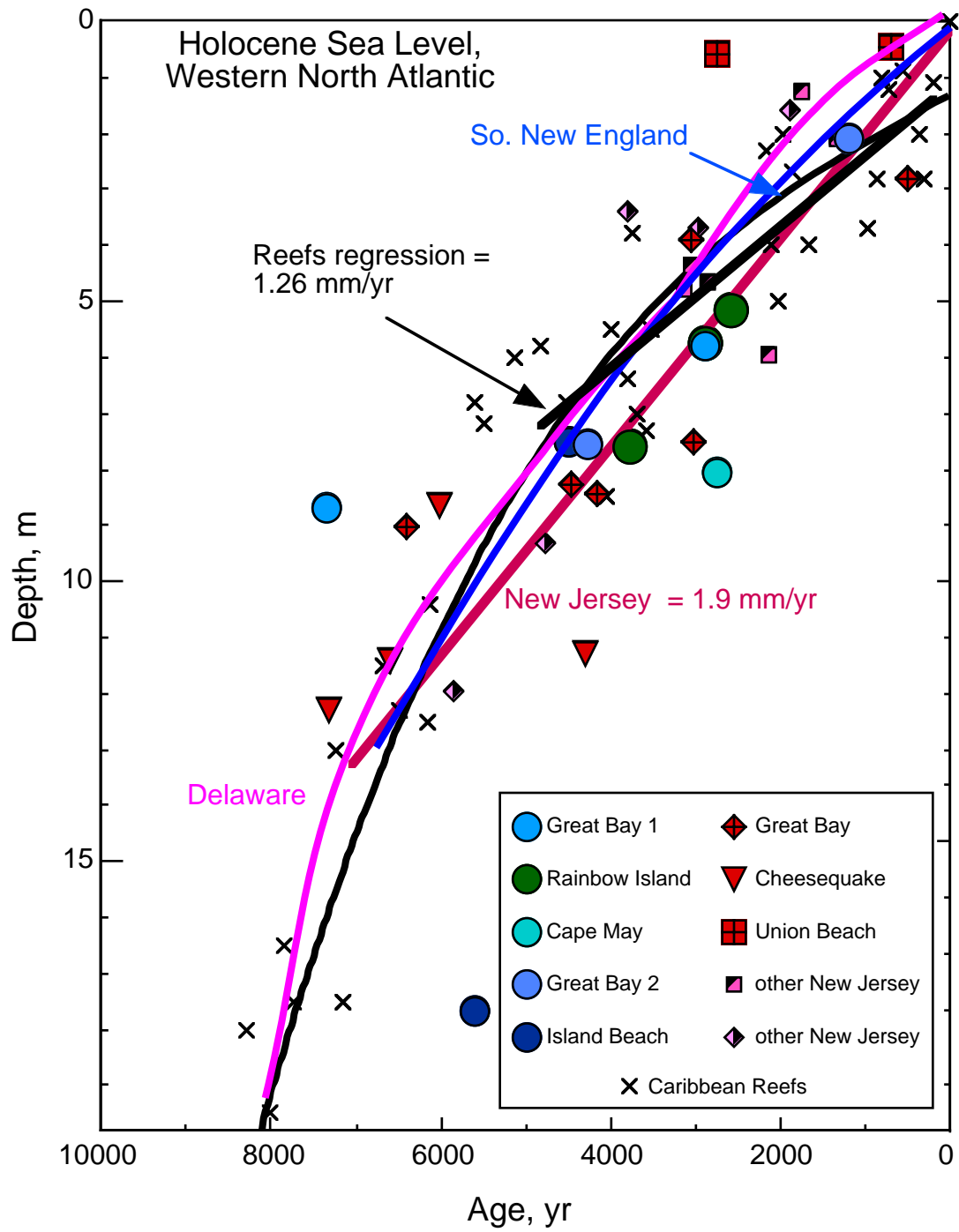
Fig. S3. Comparison of the sea-level estimate and $\delta^{18}\text{O}$ record from Figure 3 with the sea-level record of Haq (11), the long-term record of Watts (14) from backstripping of the Scotian shelf and New Jersey outer continental shelf, and the backstripped record of Sahagian (35) from the Russian platform and Siberia. Note that the scale for the Haq estimates (green axis) is 2 times that of our sea-level estimate (blue line and axis). Watts and Sahagian curves are plotted using the blue axis.

Fig. S4. Spectral content of the sea-level curve. The sea-level curve is shown at the top in black, with a 0.1 my Gaussian interpolation that was used for spectral analysis shown in red. To the right is the periodogram of the data in black with the expected red noise spectrum in red. The image shows variation in spectral power through time calculated using the Gaussian Wigner Transform implemented by Igor Pro™. Spectral power is indexed to colors according to the scale in the upper right. Note that the vertical period and frequency axis are \log_2 scales, but with tick marks at linear intervals.

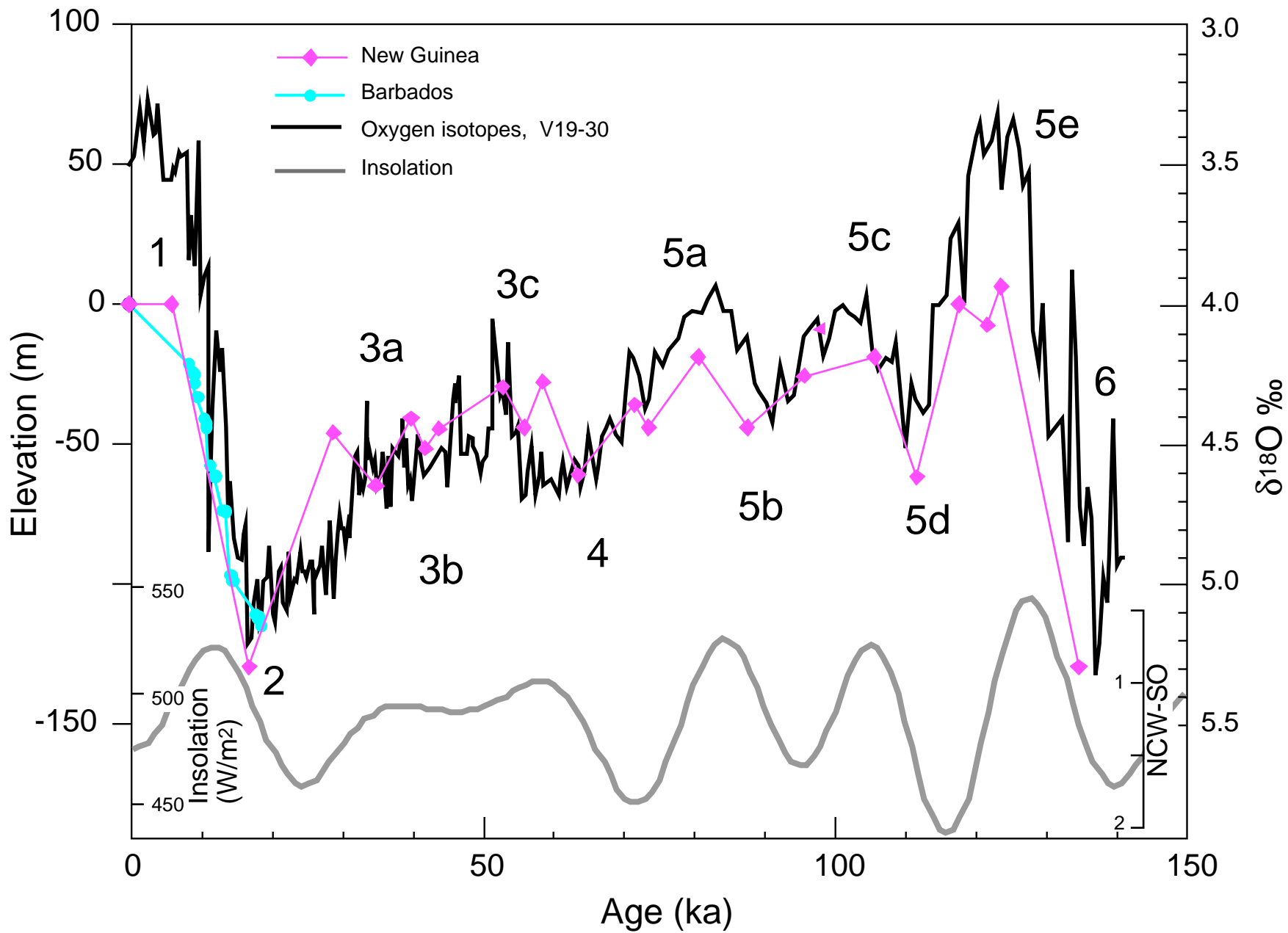
Fig. S5. Benthic foraminiferal $\delta^{18}\text{O}$ data (13) from Ocean Drilling Program Site 904 (NJ continental slope) plotted versus depth showing magnetic chronozone, core photographs, reflectivity, and core log impedance. Also shown are $\delta^{18}\text{O}$ records from South Atlantic Site 929 (53) that allow correlation to the Site 904 record. Red curve is plotted versus depth while the black is plotted versus age scale.

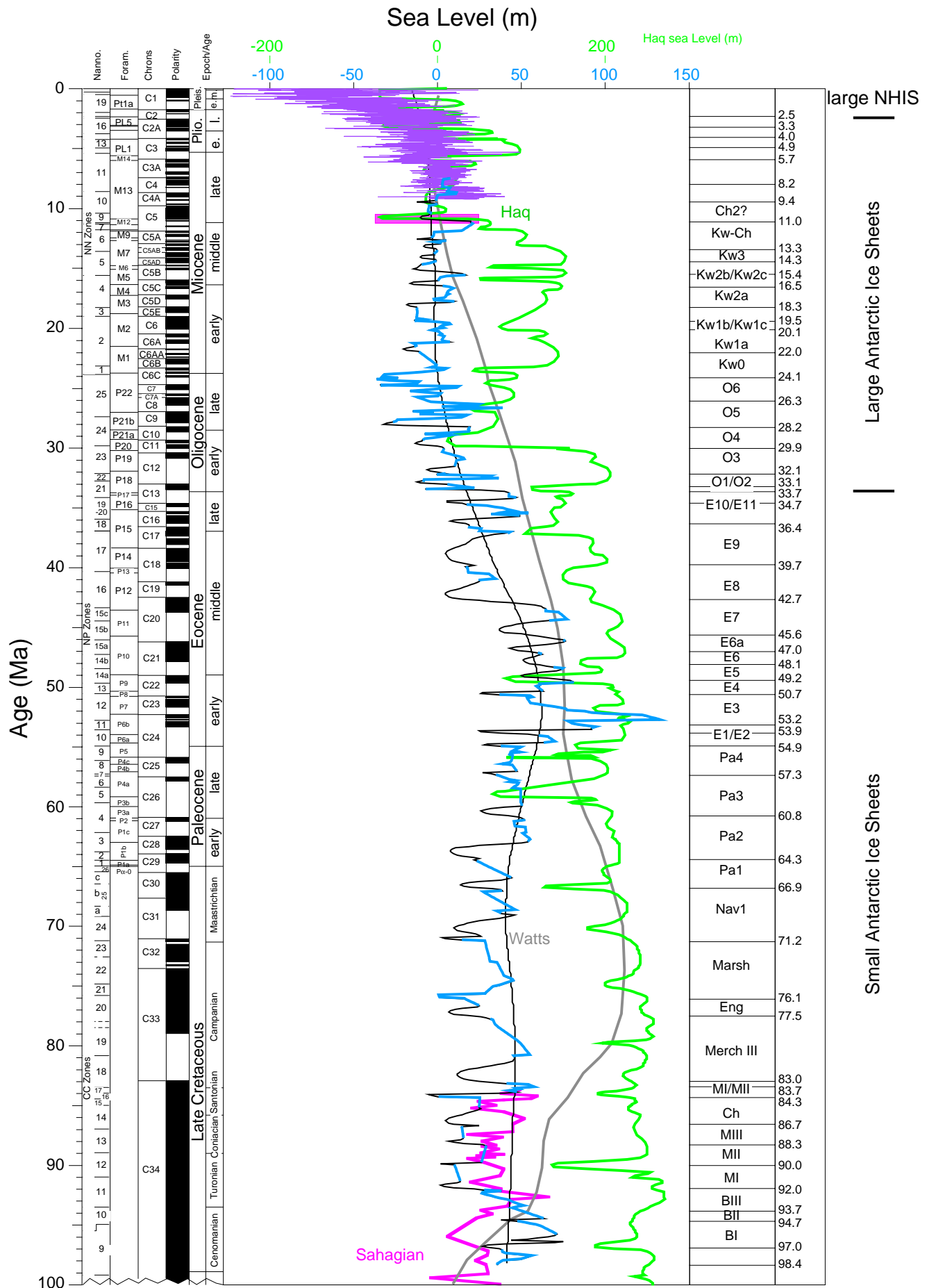
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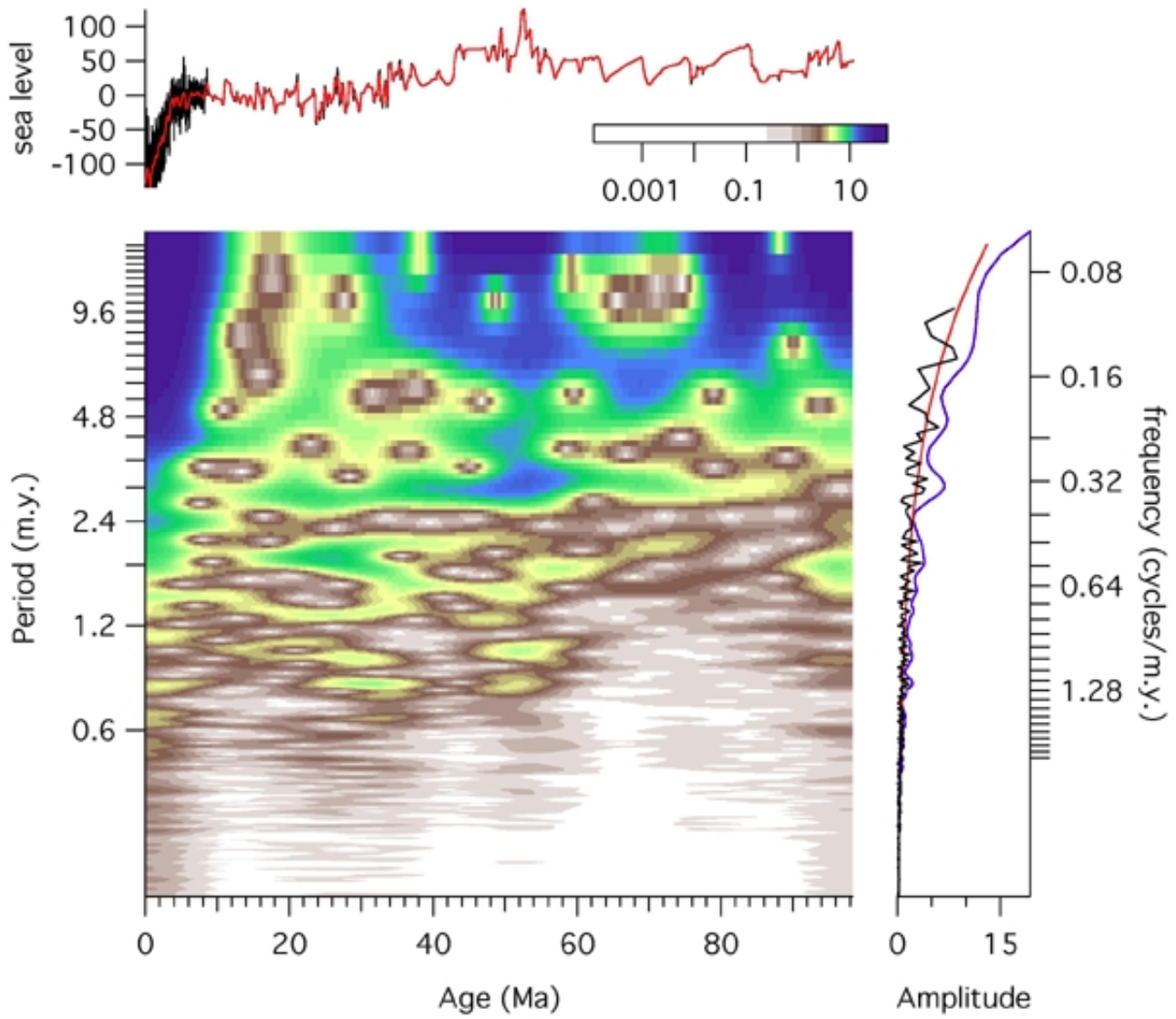


Miller et al., Science, Fig. S1

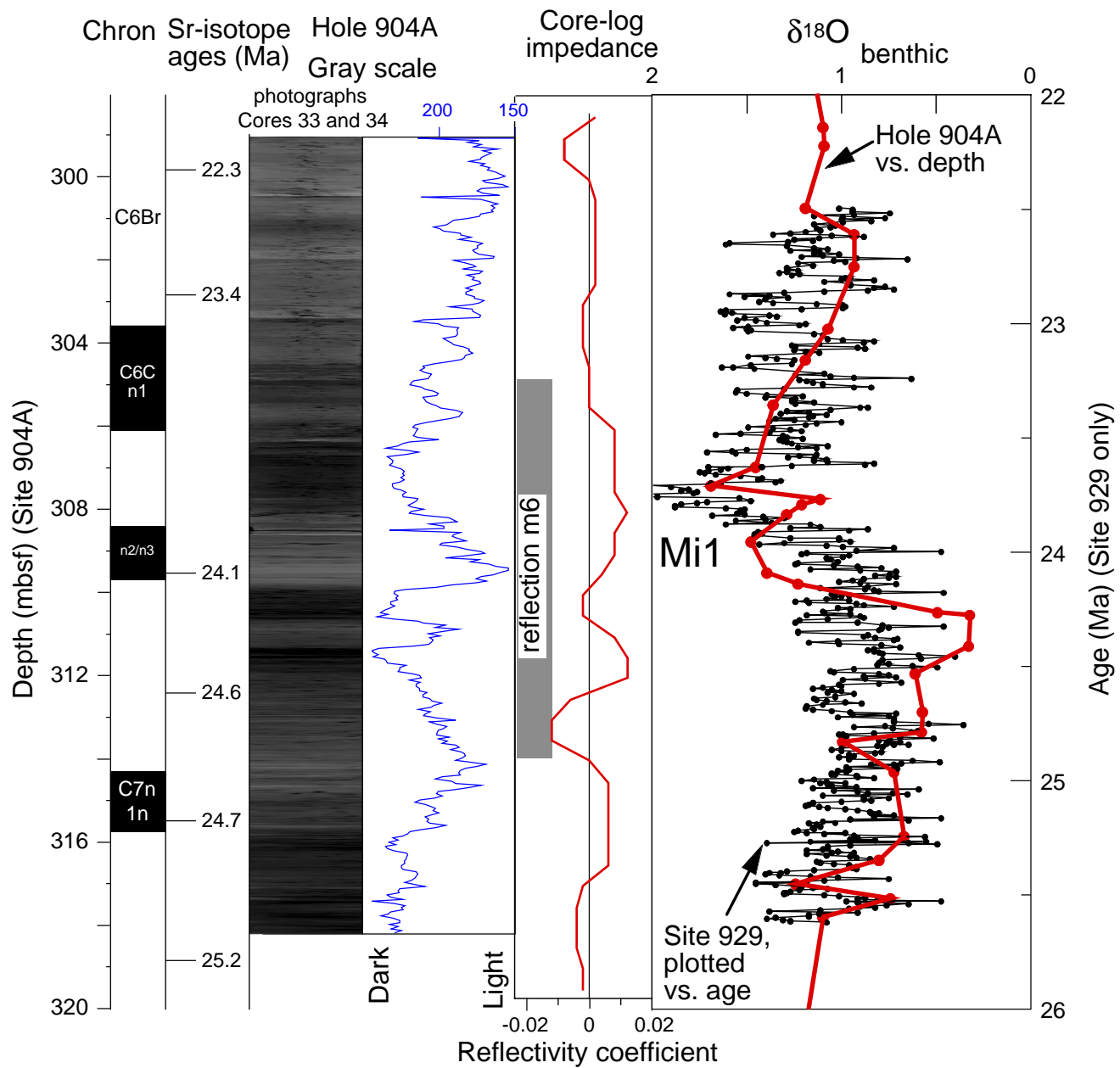




Miller et al., Science Fig. S3



Miller et al., Science, Fig. S4



Miller et al., Science, Fig. S5

TABLE S1

This Study										Sea level	Age (Ma)
Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma	
-1.6	0	7.79	7.79	7.5	-1.6	0	3.90	0	1.26	0.15	
-3.3	0.005	3.40	3.40	7.6	-3.3	0.005	3.90	0.1	-79.63	0.26	
-52.4	0.01	3.26	3.26	7.7	-52.4	0.01	3.89	0.2	-78.92	0.97	
-120.4	0.015	3.13	3.13	7.8	-120.4	0.015	3.87	0.3	1.39	1.08	
-122.2	0.02	3.00	3.00	7.9	-122.2	0.02	3.84	0.4	11.33	1.19	
-99.1	0.025	2.86	2.86	8	-99.1	0.025	3.79	0.5	18.02	1.29	
-102.6	0.03	3.19	3.19	8.1	-102.6	0.03	3.72	0.6	19.51	1.43	
-91.0	0.035	2.80	2.80	8.2	-91.0	0.035	3.65	0.7	13.09	1.59	
-85.7	0.04	7.61	7.61	8.3	-85.7	0.04	3.57	0.8	-0.89	1.66	
-80.4	0.045	7.01	7.01	8.4	-80.4	0.045	3.49	0.9	-73.65	1.73	
-75.3	0.05	6.47	6.47	8.5	-75.3	0.05	3.42	1	-77.67	1.75	
-87.8	0.055	5.93	5.93	8.6	-87.8	0.055	3.36	1.1	-79.54	1.94	
-76.1	0.06	11.32	11.32	8.7	-76.1	0.06	3.31	1.2	-75.45	2.04	
-85.2	0.065	10.98	10.98	8.8	-85.2	0.065	3.26	1.3	-2.69	2.00	
-57.9	0.07	0.21	0.21	8.9	-57.9	0.07	3.22	1.4	6.17	2.07	
-52.9	0.075	-0.09	-0.09	9	-52.9	0.075	3.19	1.5	16.42	2.24	
-47.4	0.08	-0.26	-0.26	9.1	-47.4	0.08	3.17	1.6	7.73	2.39	
-49.0	0.085	-0.52	-0.52	9.2	-49.0	0.085	3.15	1.7	-3.54	2.42	
-55.1	0.09	-0.77	-0.77	9.3	-55.1	0.09	3.15	1.8	-64.17	2.46	
-50.6	0.095	-1.03	-1.03	9.4	-50.6	0.095	3.14	1.9	-71.55	2.54	
-39.2	0.1		-12.00	9.5	-39.2	0.1	3.13	2	-67.02	2.61	
-42.8	0.105	-0.27	-0.27	9.6	-42.8	0.105	3.10	2.1	-60.11	2.71	
-72.4	0.11	-0.73	-0.73	9.7	-72.4	0.11	3.06	2.2	-24.61	2.77	
-4.3	0.115	-4.87	-4.87	9.8	-4.3	0.115	3.00	2.3	10.99	2.84	
24.0	0.12	-5.03	-5.03	9.9	24.0	0.12	2.93	2.4	15.86	2.86	
-1.9	0.125	-5.19	-5.19	10	-1.9	0.125	2.85	2.5	16.48	2.98	
-76.3	0.13	-5.35	-5.35	10.1	-76.3	0.13	2.78	2.6	11.37	3.08	
-96.9	0.135	-5.51	-5.51	10.2	-96.9	0.135	2.70	2.7	-62.69	3.16	
-107.7	0.14	-5.66	-5.66	10.3	-107.7	0.14	2.64	2.8	-68.10	3.14	
-97.0	0.145	-3.97	-3.97	10.4	-97.0	0.145	2.60	2.9	-72.97	3.16	
-93.9	0.15	-4.44	-4.44	10.5	-93.9	0.15	2.56	3	-75.06	3.27	
-102.2	0.155		-5.00	10.6	-102.2	0.155	2.53	3.1	-69.66	3.38	
-90.3	0.16		-9.00	10.7	-90.3	0.16	2.51	3.2	-62.53	3.43	
-78.5	0.165		-10.00	10.8	-78.5	0.165	2.48	3.3	28.06	3.54	
-67.8	0.17		-9.00	10.9	-67.8	0.17	2.45	3.4	41.15	3.59	
-72.0	0.175		0.00	11	-72.0	0.175	2.41	3.5	51.32	3.64	
-81.7	0.18		20.00	11.1	-81.7	0.18	2.37	3.6	54.76	3.75	
-45.3	0.185	20.00	20.00	11.2	-45.3	0.185	2.32	3.7	55.07	3.82	
-49.0	0.19	21.12	21.12	11.3	-49.0	0.19	2.28	3.8	46.17	3.92	
-18.2	0.195	20.01	20.01	11.4	-18.2	0.195	2.25	3.9	31.00	3.99	
-34.2	0.2	18.90	18.90	11.5	-34.2	0.2	2.22	4	-20.33	4.10	
-17.6	0.205	17.79	17.79	11.6	-17.6	0.205	2.21	4.1	-25.97	4.11	
-13.4	0.21	16.68	16.68	11.7	-13.4	0.21	2.22	4.2	-27.83	4.19	
-7.3	0.215	15.57	15.57	11.8	-7.3	0.215	2.23	4.3	-21.99	4.27	
-23.6	0.22	14.46	14.46	11.9	-23.6	0.22	2.26	4.4	-14.32	4.34	
-74.1	0.225	-1.86	-1.86	12	-74.1	0.225	2.29	4.5	1.59	4.36	
-68.3	0.23	-1.98	-1.98	12.1	-68.3	0.23	2.32	4.6	61.46	4.34	
-59.5	0.235	-2.10	-2.10	12.2	-59.5	0.235	2.35	4.7	67.62	4.40	
-28.6	0.24	-2.23	-2.23	12.3	-28.6	0.24	2.36	4.8	69.67	4.44	
-60.3	0.245	-3.08	-3.08	12.4	-60.3	0.245	2.36	4.9	68.14	4.51	
-66.8	0.25	-3.13	-3.13	12.5	-66.8	0.25	2.34	5	70.39	4.63	
-85.4	0.255		-12.00	12.6	-85.4	0.255	2.32	5.1	79.67	4.78	
-79.1	0.26	5.48	5.48	12.7	-79.1	0.26	2.28	5.2	85.05	4.92	
-79.7	0.265	-1.71	-1.71	12.8	-79.7	0.265	2.25	5.3	88.24	5.23	
-86.0	0.27	2.50	2.50	12.9	-86.0	0.27	2.23	5.4	87.75	5.47	
-54.1	0.275		2.00	13	-54.1	0.275	2.22	5.5	83.82	5.65	
-43.4	0.28		-7.00	13.1	-43.4	0.28	2.21	5.6	71.90	5.71	
-39.3	0.285		-8.00	13.2	-39.3	0.285	2.21	5.7	-32.27	5.83	
-39.5	0.29		-7.00	13.3	-39.5	0.29	2.21	5.8	-38.13	5.86	
-55.8	0.295		-1.00	13.4	-55.8	0.295	2.20	5.9	-42.81	5.97	
-45.8	0.3	-0.08	-0.08	13.5	-45.8	0.3	2.20	6	-36.23	6.12	
-39.7	0.305	-0.20	-0.20	13.6	-39.7	0.305	2.21	6.1	-28.23	6.15	
-34.8	0.31	-1.17	-1.17	13.7	-34.8	0.31	2.22	6.2	28.50	6.18	
-23.0	0.315	-2.13	-2.13	13.8	-23.0	0.315	2.24	6.3	34.31	6.34	
-31.4	0.32		-1.50	13.9	-31.4	0.32	2.27	6.4	35.37	6.44	
11.1	0.325		-9.00	14	11.1	0.325	2.30	6.5	29.71	6.58	
-16.8	0.33		-10.00	14.1	-16.8	0.33	2.31	6.6	20.72	6.59	

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-26.0	0.335		-9.00	14.2	-26.0	0.335	2.31	6.7	-18.48	6.63
-83.1	0.34		-1.00	14.3	-83.1	0.34	2.29	6.8	-23.48	6.73
-96.8	0.345	-0.59	-0.59	14.4	-96.8	0.345	2.26	6.9	-26.22	6.91
-92.0	0.35	-2.72	-2.72	14.5	-92.0	0.35	2.22	7	-23.10	7.01
-90.6	0.355	-4.85	-4.85	14.6	-90.6	0.355	2.18	7.1	-18.13	7.08
-104.0	0.36	-9.40	-9.40	14.7	-104.0	0.36	2.15	7.2	-2.98	7.11
-55.4	0.365		-10.00	14.8	-55.4	0.365	2.13	7.3	5.11	7.31
-85.2	0.37		-11.00	14.9	-85.2	0.37	2.14	7.4	11.02	7.56
-58.4	0.375		-12.00	15	-58.4	0.375	2.16	7.5	11.30	7.89
-52.7	0.38		-14.00	15.1	-52.7	0.38	2.19	7.6	7.56	8.24
-52.1	0.385		-10.00	15.2	-52.1	0.385	2.22	7.7	-2.00	8.45
-31.9	0.39		0.00	15.3	-31.9	0.39	2.25	7.8	-16.32	8.66
-30.6	0.395		10.00	15.4	-30.6	0.395	2.27	7.9	-21.87	8.85
-9.5	0.4		15.00	15.5	-9.5	0.4	2.28	8	-24.18	9.08
12.5	0.405	16.88	16.88	15.6	12.5	0.405	2.28	8.1	-24.48	9.61
12.8	0.41	5.80	5.80	15.7	12.8	0.41	2.28	8.2	-19.10	9.78
-0.2	0.415	1.86	1.86	15.8	-0.2	0.415	2.29	8.3	-7.99	9.97
-29.5	0.42	1.40	1.40	15.9	-29.5	0.42	2.29	8.4	-2.40	10.07
-84.7	0.425	0.93	0.93	16	-84.7	0.425	2.30	8.5	-0.31	10.22
-115.3	0.43	0.46	0.46	16.1	-115.3	0.43	2.30	8.6	-0.80	10.36
-122.1	0.435		-14.00	16.2	-122.1	0.435	2.31	8.7	-3.88	10.46
-122.7	0.44		-16.00	16.3	-122.7	0.44	2.32	8.8	-12.78	10.52
-102.4	0.445		-14.00	16.4	-102.4	0.445	2.32	8.9	-69.08	10.76
-84.8	0.45	3.10	3.10	16.5	-84.8	0.45	2.33	9	-75.59	10.79
-87.5	0.455	7.22	7.22	16.6	-87.5	0.455	2.33	9.1	-79.08	10.86
-82.7	0.46	9.66	9.66	16.7	-82.7	0.46	2.33	9.2	-75.56	10.97
-99.9	0.465	8.49	8.49	16.8	-99.9	0.465	2.32	9.3	-67.45	10.99
-96.7	0.47	6.79	6.79	16.9	-96.7	0.47	2.30	9.4	25.76	11.01
-73.7	0.475	6.26	6.26	17	-73.7	0.475	2.28	9.5	39.70	11.05
-53.4	0.48	5.72	5.72	17.1	-53.4	0.48	2.26	9.6	49.72	11.15
-35.0	0.485	7.09	7.09	17.2	-35.0	0.485	2.22	9.7	52.90	11.27
-34.9	0.49	5.25	5.25	17.3	-34.9	0.49	2.19	9.8	53.39	11.40
-39.7	0.495	5.24	5.24	17.4	-39.7	0.495	2.17	9.9	52.24	11.53
-23.4	0.5	4.15	4.15	17.5	-23.4	0.5	2.15	10	46.98	11.65
-60.8	0.505	-2.05	-2.05	17.6	-60.8	0.505	2.14	10.1	41.76	11.70
-68.6	0.51	-1.76	-1.76	17.7	-68.6	0.51	2.14	10.2	39.65	11.81
-78.8	0.515	10.14	10.14	17.8	-78.8	0.515	2.14	10.3	48.16	11.89
-61.2	0.52		8.00	17.9	-61.2	0.52	2.14	10.4	82.68	11.93
-54.8	0.525		-17.00	18	-54.8	0.525	2.12	10.5	91.11	12.03
-78.3	0.53		-18.00	18.1	-78.3	0.53	2.11	10.6	96.25	12.31
-75.3	0.535		-16.00	18.2	-75.3	0.535	2.08	10.7	94.67	12.61
-84.6	0.54	-12.28	-12.28	18.3	-84.6	0.54	2.06	10.8	89.76	12.80
-73.7	0.545	-12.22	-12.22	18.4	-73.7	0.545	2.04	10.9	84.86	12.94
-66.5	0.55	-12.15	-12.15	18.5	-66.5	0.55	2.03	11	84.39	13.12
-73.0	0.555	-12.09	-12.09	18.6	-73.0	0.555	2.03	11.1	90.11	13.23
-65.0	0.56	-12.02	-12.02	18.7	-65.0	0.56	2.04	11.2	118.79	13.29
-50.6	0.565	-12.08	-12.08	18.8	-50.6	0.565	2.07	11.3	127.42	13.44
-41.6	0.57	-12.17	-12.17	18.9	-41.6	0.57	2.10	11.4	136.57	13.72
-25.6	0.575	-12.26	-12.26	19	-25.6	0.575	2.14	11.5	142.98	14.12
-25.6	0.58	-12.34	-12.34	19.1	-25.6	0.58	2.17	11.6	141.38	14.52
-67.6	0.585	-12.43	-12.43	19.2	-67.6	0.585	2.19	11.7	137.11	14.80
-79.1	0.59	-7.90	-7.90	19.3	-79.1	0.59	2.20	11.8	57.08	14.89
-56.5	0.595	-13.64	-13.64	19.4	-56.5	0.595	2.19	11.9	52.51	15.02
-49.0	0.6	-1.59	-1.59	19.5	-49.0	0.6	2.17	12	58.24	15.08
-52.8	0.605	7.15	7.15	19.6	-52.8	0.605	2.14	12.1	101.21	15.11
-39.2	0.61	7.72	7.72	19.7	-39.2	0.61	2.10	12.2	133.87	15.25
-50.7	0.615	2.86	2.86	19.8	-50.7	0.615	2.05	12.3	140.14	15.31
-72.9	0.62	1.94	1.94	19.9	-72.9	0.62	2.02	12.4	143.23	15.52
-117.8	0.625	3.59	3.59	20	-117.8	0.625	1.99	12.5	138.83	15.77
-124.2	0.63	-1.07	-1.07	20.1	-124.2	0.63	1.99	12.6	131.13	15.83
-114.3	0.635	-3.57	-3.57	20.2	-114.3	0.635	2.00	12.7	45.69	15.92
-122.7	0.64	0.80	0.80	20.3	-122.7	0.64	2.01	12.8	41.24	15.98
-111.9	0.645	1.25	1.25	20.4	-111.9	0.645	2.03	12.9	41.64	16.09
-106.4	0.65	2.53	2.53	20.5	-106.4	0.65	2.05	13	50.62	16.13
-101.6	0.655	1.49	1.49	20.6	-101.6	0.655	2.06	13.1	89.36	16.18
-93.3	0.66	4.09	4.09	20.7	-93.3	0.66	2.06	13.2	106.79	16.22
-80.5	0.665	3.62	3.62	20.8	-80.5	0.665	2.04	13.3	122.48	16.24
-91.7	0.67	3.14	3.14	20.9	-91.7	0.67	2.02	13.4	131.01	16.32

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-80.0	0.675	2.66	2.66	21	-80.0	0.675	2.00	13.5	135.75	16.43
-82.8	0.68	3.39	3.39	21.1	-82.8	0.68	1.98	13.6	138.30	16.60
-82.4	0.685	7.40	7.40	21.2	-82.4	0.685	1.97	13.7	137.18	16.77
-53.8	0.69	-14.45	-14.45	21.3	-53.8	0.69	1.95	13.8	133.26	16.87
-62.2	0.695	-13.02	-13.02	21.4	-62.2	0.695	1.95	13.9	122.31	16.94
-70.5	0.7	-12.52	-12.52	21.5	-70.5	0.7	1.93	14	116.88	17.01
-78.9	0.705	-13.76	-13.76	21.6	-78.9	0.705	1.91	14.1	115.33	17.13
-87.2	0.71		-18.00	21.7	-87.2	0.71	1.88	14.2	118.73	17.40
-95.1	0.715		-20.00	21.8	-95.1	0.715	1.83	14.3	120.70	17.74
-96.4	0.72		-18.00	21.9	-96.4	0.72	1.75	14.4	118.46	18.07
-63.7	0.725	-10.96	-10.96	22	-63.7	0.725	1.67	14.5	106.63	18.61
-70.4	0.73	-10.00	-10.00	22.1	-70.4	0.73	1.58	14.6	87.10	19.27
-75.5	0.735	-9.04	-9.04	22.2	-75.5	0.735	1.50	14.7	67.69	19.83
-77.6	0.74	-8.09	-8.09	22.3	-77.6	0.74	1.44	14.8	64.18	20.01
-73.6	0.745	-7.13	-7.13	22.4	-73.6	0.745	1.39	14.9	66.96	20.14
-86.1	0.75	-6.18	-6.18	22.5	-86.1	0.75	1.36	15	74.30	20.25
-91.5	0.755	-5.22	-5.22	22.6	-91.5	0.755	1.34	15.1	110.65	20.33
-85.4	0.76	-4.26	-4.26	22.7	-85.4	0.76	1.32	15.2	117.23	20.41
-62.3	0.765	-3.31	-3.31	22.8	-62.3	0.765	1.32	15.3	120.64	20.60
-53.0	0.77	-2.35	-2.35	22.9	-53.0	0.77	1.31	15.4	116.37	20.77
-45.1	0.775	-1.40	-1.40	23	-45.1	0.775	1.31	15.5	109.11	20.82
-21.8	0.78	-0.44	-0.44	23.1	-21.8	0.78	1.31	15.6	102.57	20.95
-44.2	0.785	-0.58	-0.58	23.2	-44.2	0.785	1.31	15.7	110.65	21.10
-48.5	0.79	-3.62	-3.62	23.3	-48.5	0.79	1.31	15.8	118.39	21.29
-98.0	0.795	5.58	5.58	23.4	-98.0	0.795	1.31	15.9	128.24	21.69
-82.5	0.8	4.01	4.01	23.5	-82.5	0.8	1.31	16	133.22	22.06
-77.2	0.805	-0.78	-0.78	23.6	-77.2	0.805	1.30	16.1	134.09	22.44
-58.6	0.81	-9.21	-9.21	23.7	-58.6	0.81	1.28	16.2	129.10	22.88
-41.3	0.815	-17.64	-17.64	23.8	-41.3	0.815	1.27	16.3	121.33	23.18
-55.7	0.82	-31.51	-31.51	23.9	-55.7	0.82	1.26	16.4	104.17	23.35
-52.6	0.825	-32.21	-32.21	24	-52.6	0.825	1.25	16.5	45.04	23.44
-51.1	0.83	-32.91	-32.91	24.1	-51.1	0.83	1.26	16.6	35.06	23.50
-48.4	0.835	-23.38	-23.38	24.2	-48.4	0.835	1.28	16.7	33.28	23.65
-27.6	0.84	-36.08	-36.08	24.3	-27.6	0.84	1.30	16.8	39.53	23.76
-24.3	0.845	-28.52	-28.52	24.4	-24.3	0.845	1.32	16.9	71.45	23.85
-36.2	0.85	-10.62	-10.62	24.5	-36.2	0.85	1.35	17	80.86	23.86
-33.0	0.855	-11.75	-11.75	24.6	-33.0	0.855	1.37	17.1	85.26	24.05
-19.3	0.86	-12.90	-12.90	24.7	-19.3	0.86	1.39	17.2	84.25	24.25
-61.6	0.865	-33.86	-33.86	24.8	-61.6	0.865	1.40	17.3	75.68	24.38
-83.6	0.87	12.87	12.87	24.9	-83.6	0.87	1.42	17.4	61.37	24.45
-109.3	0.875	11.61	11.61	25	-109.3	0.875	1.44	17.5	53.36	24.45
-106.9	0.88	1.94	1.94	25.1	-106.9	0.88	1.46	17.6	47.36	24.68
-93.7	0.885	-7.08	-7.08	25.2	-93.7	0.885	1.48	17.7	54.24	24.89
-90.1	0.89	-16.09	-16.09	25.3	-90.1	0.89	1.49	17.8	69.37	25.06
-84.3	0.895	-6.97	-6.97	25.4	-84.3	0.895	1.51	17.9	77.24	25.24
-64.2	0.9	2.15	2.15	25.5	-64.2	0.9	1.51	18	80.86	25.52
-60.3	0.905	1.30	1.30	25.6	-60.3	0.905	1.51	18.1	80.81	25.80
-74.6	0.91	0.45	0.45	25.7	-74.6	0.91	1.50	18.2	76.43	26.04
-89.1	0.915	-12.04	-12.04	25.8	-89.1	0.915	1.48	18.3	66.96	26.26
-66.8	0.92	-9.97	-9.97	25.9	-66.8	0.92	1.45	18.4	36.70	26.55
-51.5	0.925	-7.90	-7.90	26	-51.5	0.925	1.41	18.5	31.49	26.64
-31.2	0.93	-5.83	-5.83	26.1	-31.2	0.93	1.38	18.6	30.26	26.84
-22.2	0.935	-3.77	-3.77	26.2	-22.2	0.935	1.35	18.7	34.01	26.99
-19.8	0.94	10.69	10.69	26.3	-19.8	0.94	1.31	18.8	58.13	27.14
-9.8	0.945	25.14	25.14	26.4	-9.8	0.945	1.29	18.9	62.07	27.68
2.0	0.95	23.14	23.14	26.5	2.0	0.95	1.27	19	56.48	28.29
-40.6	0.955	2.72	2.72	26.6	-40.6	0.955	1.27	19.1	37.69	28.80
-41.1	0.96	38.79	38.79	26.7	-41.1	0.96	1.27	19.2	20.46	28.93
-57.3	0.965	18.39	18.39	26.8	-57.3	0.965	1.28	19.3	10.06	28.99
-38.6	0.97	2.47	2.47	26.9	-38.6	0.97	1.30	19.4	3.10	29.23
-27.9	0.975	-14.58	-14.58	27	-27.9	0.975	1.33	19.5	1.01	29.50
-42.6	0.98	-2.17	-2.17	27.1	-42.6	0.98	1.36	19.6	11.14	29.93
-46.6	0.985	-10.47	-10.47	27.2	-46.6	0.985	1.40	19.7	35.06	29.93
-29.3	0.99	17.83	17.83	27.3	-29.3	0.99	1.43	19.8	131.72	30.16
-48.1	0.995	16.08	16.08	27.4	-48.1	0.995	1.46	19.9	148.02	30.11
-54.7	1	14.39	14.39	27.5	-54.7	1	1.49	20	167.15	30.37
-65.7	1.005	-4.67	-4.67	27.6	-65.7	1.005	1.51	20.1	177.32	30.59
-66.8	1.01	-23.73	-23.73	27.7	-66.8	1.01	1.52	20.2	178.81	30.84

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-31.9	1.015	-24.41	-24.41	27.8	-31.9	1.015	1.53	20.3	175.68	31.02
-27.0	1.02	-26.45	-26.45	27.9	-27.0	1.02	1.53	20.4	173.42	31.22
-38.0	1.025		-30.00	28	-38.0	1.025	1.53	20.5	178.86	31.36
-68.6	1.03		-32.00	28.1	-68.6	1.03	1.52	20.6	192.24	31.80
-75.2	1.035		-20.00	28.2	-75.2	1.035	1.51	20.7	196.27	32.14
-85.3	1.04	19.50	19.50	28.3	-85.3	1.04	1.49	20.8	196.30	32.46
-75.1	1.045	18.97	18.97	28.4	-75.1	1.045	1.48	20.9	192.65	32.77
-69.1	1.05	18.43	18.43	28.5	-69.1	1.05	1.46	21	179.26	33.08
-63.4	1.055	19.09	19.09	28.6	-63.4	1.055	1.45	21.1	160.95	33.12
-56.6	1.06	18.64	18.64	28.7	-56.6	1.06	1.43	21.2	111.11	33.29
-5.8	1.065	5.62	5.62	28.8	-5.8	1.065	1.42	21.3	102.64	33.37
-48.6	1.07	-7.40	-7.40	28.9	-48.6	1.07	1.41	21.4	103.46	33.57
-15.1	1.075	7.82	7.82	29	-15.1	1.075	1.39	21.5	113.39	33.67
-20.4	1.08	3.72	3.72	29.1	-20.4	1.08	1.37	21.6	137.74	33.72
-55.5	1.085	-1.84	-1.84	29.2	-55.5	1.085	1.35	21.7	147.46	33.77
-68.3	1.09	-7.41	-7.41	29.3	-68.3	1.09	1.33	21.8	151.31	33.88
-58.7	1.095	-8.78	-8.78	29.4	-58.7	1.095	1.31	21.9	149.51	34.04
-73.9	1.1		-9.00	29.5	-73.9	1.1	1.28	22	142.24	34.08
-40.0	1.105		-12.00	29.6	-40.0	1.105	1.27	22.1	135.95	34.10
-37.7	1.11		-13.00	29.7	-37.7	1.11	1.27	22.2	131.70	34.19
-52.8	1.115		-10.00	29.8	-52.8	1.115	1.27	22.3	132.74	34.28
-70.5	1.12		0.00	29.9	-70.5	1.12	1.29	22.4	138.89	34.36
-79.4	1.125		3.00	30	-79.4	1.125	1.32	22.5	142.74	34.72
-77.1	1.13	4.18	4.18	30.1	-77.1	1.13	1.36	22.6	136.63	35.02
-75.1	1.135	3.80	3.80	30.2	-75.1	1.135	1.40	22.7	129.80	35.08
-72.0	1.14	3.43	3.43	30.3	-72.0	1.14	1.44	22.8	124.88	35.45
-42.7	1.145	3.06	3.06	30.4	-42.7	1.145	1.47	22.9	129.57	35.91
-38.9	1.15	5.61	5.61	30.5	-38.9	1.15	1.50	23	133.30	36.23
-41.1	1.155	8.17	8.17	30.6	-41.1	1.155	1.53	23.1	128.25	36.57
-20.6	1.16	10.73	10.73	30.7	-20.6	1.16	1.55	23.2	120.01	36.67
-26.3	1.165	13.29	13.29	30.8	-26.3	1.165	1.58	23.3	102.01	36.80
-18.3	1.17	15.84	15.84	30.9	-18.3	1.17	1.60	23.4	94.57	37.23
-31.8	1.175	16.27	16.27	31	-31.8	1.175	1.62	23.5	158.74	37.37
-19.0	1.18	11.51	11.51	31.1	-19.0	1.18	1.63	23.6	170.61	37.57
-33.4	1.185	11.31	11.31	31.2	-33.4	1.185	1.64	23.7	175.03	37.68
-60.4	1.19	11.11	11.11	31.3	-60.4	1.19	1.64	23.8	175.95	37.99
-56.4	1.195	10.89	10.89	31.4	-56.4	1.195	1.63	23.9	171.98	38.40
-42.1	1.2	10.68	10.68	31.5	-42.1	1.2	1.62	24	173.32	38.74
-59.5	1.205	10.46	10.46	31.6	-59.5	1.205	1.60	24.1	177.51	38.96
-57.5	1.21		5.00	31.7	-57.5	1.21	1.58	24.2	187.13	39.04
-60.0	1.215		-4.00	31.8	-60.0	1.215	1.55	24.3	192.38	39.34
-47.2	1.22		-6.00	31.9	-47.2	1.22	1.51	24.4	192.01	39.65
-29.6	1.225		-4.00	32	-29.6	1.225	1.47	24.5	180.72	39.85
-25.1	1.23		0.00	32.1	-25.1	1.23	1.43	24.6	151.99	40.10
-23.6	1.235	4.68	4.68	32.2	-23.6	1.235	1.40	24.7	144.05	40.29
-7.8	1.24	-0.26	-0.26	32.3	-7.8	1.24	1.38	24.8	139.66	40.68
-36.6	1.245	31.00	31.00	32.4	-36.6	1.245	1.38	24.9	139.72	41.01
-78.6	1.25	28.41	28.41	32.5	-78.6	1.25	1.37	25	146.48	41.36
-91.7	1.255	36.48	36.48	32.6	-91.7	1.255	1.37	25.1	168.52	41.64
-71.6	1.26	-8.03	-8.03	32.7	-71.6	1.26	1.37	25.2	174.78	41.75
-61.9	1.265	-8.21	-8.21	32.8	-61.9	1.265	1.37	25.3	177.97	42.08
-42.4	1.27	-8.40	-12.00	32.9	-42.4	1.27	1.36	25.4	174.66	42.42
-30.8	1.275		-10.00	33	-30.8	1.275	1.35	25.5	172.24	42.65
-34.1	1.28	5.86	5.86	33.1	-34.1	1.28	1.34	25.6	174.03	42.92
-61.9	1.285	11.22	11.22	33.2	-61.9	1.285	1.34	25.7	186.86	43.22
-70.3	1.29	16.59	16.59	33.3	-70.3	1.29	1.35	25.8	200.55	43.54
-55.9	1.295	21.95	21.95	33.4	-55.9	1.295	1.37	25.9	208.48	43.95
-55.6	1.3	-7.01	-7.01	33.5	-55.6	1.3	1.40	26	210.85	44.55
-55.0	1.305		26.00	33.6	-55.0	1.305	1.44	26.1	205.57	44.98
-40.5	1.31		40.00	33.7	-40.5	1.31	1.49	26.2	200.23	45.14
-29.7	1.315	42.55	42.55	33.8	-29.7	1.315	1.55	26.3	194.35	45.32
-25.5	1.32	42.81	42.81	33.9	-25.5	1.32	1.60	26.4	191.82	45.54
-58.7	1.325	42.74	42.74	34	-58.7	1.325	1.64	26.5	196.49	45.95
-56.5	1.33	42.67	42.67	34.1	-56.5	1.33	1.67	26.6	207.65	46.44
-58.2	1.335	47.07	47.07	34.2	-58.2	1.335	1.69	26.7	213.01	46.71
-50.9	1.34		45.00	34.3	-50.9	1.34	1.70	26.8	214.20	47.18
-40.7	1.345		30.00	34.4	-40.7	1.345	1.70	26.9	211.13	47.39
-11.8	1.35		6.00	34.5	-11.8	1.35	1.71	27	204.05	47.57

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-4.7	1.355		6.00	34.6	-4.7	1.355	1.72	27.1	169.18	47.62
-36.9	1.36		15.00	34.7	-36.9	1.36	1.73	27.2	161.56	47.81
-49.8	1.365	17.48	17.48	34.8	-49.8	1.365	1.74	27.3	160.53	48.07
-64.9	1.37	29.55	29.55	34.9	-64.9	1.37	1.76	27.4	168.93	48.28
-58.0	1.375	34.25	34.25	35	-58.0	1.375	1.77	27.5	183.10	48.33
-55.4	1.38	38.95	38.95	35.1	-55.4	1.38	1.77	27.6	186.10	48.56
-38.5	1.385	41.59	41.59	35.2	-38.5	1.385	1.77	27.7	185.43	48.75
-25.7	1.39	45.19	45.19	35.3	-25.7	1.39	1.77	27.8	178.80	48.86
-11.6	1.395	41.41	41.41	35.4	-11.6	1.395	1.76	27.9	80.03	49.16
-19.7	1.4	54.34	54.34	35.5	-19.7	1.4	1.75	28	71.68	49.30
-36.2	1.405	32.17	32.17	35.6	-36.2	1.405	1.74	28.1	83.33	49.54
-49.7	1.41	49.18	49.18	35.7	-49.7	1.41	1.74	28.2	92.31	49.56
-63.9	1.415		49.00	35.8	-63.9	1.415	1.74	28.3	187.11	49.76
-69.3	1.42		35.00	35.9	-69.3	1.42	1.74	28.4	195.54	49.83
-61.9	1.425		22.00	36	-61.9	1.425	1.74	28.5	198.87	49.89
-39.1	1.43		10.00	36.1	-39.1	1.43	1.75	28.6	200.13	50.02
-7.2	1.435		8.00	36.2	-7.2	1.435	1.75	28.7	195.33	50.12
-3.5	1.44		12.00	36.3	-3.5	1.44	1.76	28.8	202.11	50.33
4.3	1.445		17.00	36.4	4.3	1.445	1.76	28.9	206.32	50.41
10.1	1.45		19.00	36.5	10.1	1.45	1.75	29	202.92	50.62
-44.2	1.455	19.27	19.27	36.6	-44.2	1.455	1.75	29.1	207.33	50.81
-75.0	1.46	19.09	19.09	36.7	-75.0	1.46	1.74	29.2	210.98	51.05
-50.1	1.465	26.13	26.13	36.8	-50.1	1.465	1.74	29.3	212.14	51.35
-27.0	1.47	25.65	25.65	36.9	-27.0	1.47	1.74	29.4	204.86	51.52
-22.1	1.475	25.17	25.17	37	-22.1	1.475	1.74	29.5	184.07	51.57
-6.5	1.48	43.55	43.55	37.1	-6.5	1.48	1.73	29.6	176.68	51.78
2.7	1.485	42.12	40.00	37.2	2.7	1.485	1.73	29.7	180.11	52.04
0.0	1.49		34.00	37.3	0.0	1.49	1.71	29.8	208.97	52.27
-26.3	1.495		30.00	37.4	-26.3	1.495	1.68	29.9	215.02	52.31
-60.7	1.5		26.00	37.5	-60.7	1.5	1.65	30	217.16	52.40
-68.1	1.505		23.00	37.6	-68.1	1.505	1.62	30.1	212.70	52.48
-58.3	1.51		21.00	37.7	-58.3	1.51	1.58	30.2	207.06	52.52
-41.3	1.515		20.00	37.8	-41.3	1.515	1.56	30.3	206.28	52.60
-19.4	1.52		19.00	37.9	-19.4	1.52	1.54	30.4	211.57	52.67
-22.3	1.525		18.00	38	-22.3	1.525	1.53	30.5	220.15	52.92
-41.4	1.53		17.00	38.1	-41.4	1.53	1.53	30.6	217.62	53.03
-52.8	1.535		15.00	38.2	-52.8	1.535	1.53	30.7	212.17	53.15
-78.4	1.54		13.00	38.3	-78.4	1.54	1.54	30.8	209.00	53.24
-66.2	1.545		11.00	38.4	-66.2	1.545	1.54	30.9	211.99	53.47
-34.2	1.55		9.00	38.5	-34.2	1.55	1.54	31	214.08	54.04
-44.2	1.555		7.50	38.6	-44.2	1.555	1.54	31.1	209.92	54.43
-31.6	1.56		6.00	38.7	-31.6	1.56	1.53	31.2	160.52	54.66
-32.4	1.565		5.50	38.8	-32.4	1.565	1.53	31.3	154.33	54.86
-27.5	1.57		5.00	38.9	-27.5	1.57	1.53	31.4	157.65	55.11
-60.8	1.575		5.50	39	-60.8	1.575	1.54	31.5	197.25	55.26
-54.1	1.58		6.00	39.1	-54.1	1.58	1.54	31.6	187.37	55.41
-38.1	1.585		6.50	39.2	-38.1	1.585	1.54	31.7	164.85	55.43
-33.7	1.59		7.00	39.3	-33.7	1.59	1.55	31.8	134.08	55.56
-29.9	1.595		8.00	39.4	-29.9	1.595	1.55	31.9	130.82	55.64
-31.5	1.6		9.00	39.5	-31.5	1.6	1.55	32	138.71	55.70
-25.3	1.605		12.00	39.6	-25.3	1.605	1.55	32.1	172.70	55.70
-24.0	1.61		15.00	39.7	-24.0	1.61	1.56	32.2	177.64	55.83
-28.6	1.615		19.00	39.8	-28.6	1.615	1.58	32.3	170.81	55.89
-33.2	1.62		22.00	39.9	-33.2	1.62	1.60	32.4	71.96	55.89
-28.1	1.625	17.00	17.00	40	-28.1	1.625	1.64	32.5	72.60	55.90
-38.4	1.63	18.03	18.03	40.1	-38.4	1.63	1.68	32.6	173.79	55.97
-32.2	1.635	18.14	18.14	40.2	-32.2	1.635	1.73	32.7	184.45	56.19
-39.3	1.64	18.25	18.25	40.3	-39.3	1.64	1.78	32.8	191.64	56.48
-65.1	1.645	18.36	18.36	40.4	-65.1	1.645	1.82	32.9	193.40	56.79
-49.3	1.65	18.47	18.47	40.5	-49.3	1.65	1.85	33	192.99	57.15
-69.8	1.655	30.71	30.71	40.6	-69.8	1.655	1.86	33.1	190.14	57.30
-59.2	1.66	31.69	31.69	40.7	-59.2	1.66	1.85	33.2	177.17	57.65
-60.4	1.665	32.68	32.68	40.8	-60.4	1.665	1.80	33.3	70.62	58.66
-29.9	1.67	33.67	33.67	40.9	-29.9	1.67	1.74	33.4	61.08	58.71
-21.8	1.675	34.66	34.66	41	-21.8	1.675	1.65	33.5	56.16	58.92
-20.4	1.68	25.42	25.42	41.1	-20.4	1.68	1.57	33.6	65.30	59.15
-15.0	1.685	25.29	25.29	41.2	-15.0	1.685	1.49	33.7	148.21	59.22
-34.5	1.69		24.00	41.3	-34.5	1.69	1.42	33.8	173.51	59.27

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-56.7	1.695		22.00	41.4	-56.7	1.695	1.36	33.9	178.66	59.34
-49.2	1.7		20.00	41.5	-49.2	1.7	1.30	34	179.26	59.41
-48.0	1.705		18.00	41.6	-48.0	1.705	1.24	34.1	172.84	59.47
-36.6	1.71		16.00	41.7	-36.6	1.71	1.19	34.2	154.17	59.54
-25.1	1.715		14.00	41.8	-25.1	1.715	1.13	34.3	149.25	59.62
-20.3	1.72		11.00	41.9	-20.3	1.72	1.06	34.4	151.05	59.69
-32.7	1.725		8.00	42	-32.7	1.725	1.01	34.5	166.83	59.75
-10.0	1.73		6.00	42.1	-10.0	1.73	0.95	34.6	180.65	59.86
-30.7	1.735		5.00	42.2	-30.7	1.735	0.91	34.7	192.15	60.11
-17.5	1.74		5.00	42.3	-17.5	1.74	0.87	34.8	198.65	60.41
-15.2	1.745		6.00	42.4	-15.2	1.745	0.83	34.9	197.88	60.77
-54.5	1.75		7.00	42.5	-54.5	1.75	0.78	35	194.08	61.12
-25.8	1.755		9.00	42.6	-25.8	1.755	0.74	35.1	191.38	61.41
-10.9	1.76		15.00	42.7	-10.9	1.76	0.69	35.2	193.45	61.69
-28.4	1.765		25.00	42.8	-28.4	1.765	0.65	35.3	201.02	62.03
-2.9	1.77		32.00	42.9	-2.9	1.77	0.62	35.4	198.53	62.50
-14.2	1.775		43.00	43	-14.2	1.775	0.60	35.5	199.34	62.57
-43.3	1.78		52.00	43.1	-43.3	1.78	0.58	35.6	200.70	62.64
-28.8	1.785		58.00	43.2	-28.8	1.785	0.58	35.7	202.60	62.71
-52.0	1.79		62.00	43.3	-52.0	1.79	0.59	35.8	203.41	62.79
-43.5	1.795		63.00	43.4	-43.5	1.795	0.60	35.9	204.50	62.86
-18.9	1.8	64.55	64.55	43.5	-18.9	1.8	0.61	36	205.10	62.93
-40.0	1.805	64.52	64.52	43.6	-40.0	1.805	0.63	36.1	205.10	63.00
-37.6	1.81	64.50	64.50	43.7	-37.6	1.81	0.65	36.2	207.00	63.07
-9.6	1.815	72.26	72.26	43.8	-9.6	1.815	0.67	36.3	207.00	63.14
-21.6	1.82	73.10	73.10	43.9	-21.6	1.82	0.68	36.4	207.00	63.21
-48.7	1.825	73.95	73.95	44	-48.7	1.825	0.70	36.5	207.00	63.29
-23.4	1.83	74.80	74.80	44.1	-23.4	1.83	0.72	36.6	207.00	63.36
-19.7	1.835	75.62	75.62	44.2	-19.7	1.835	0.73	36.7	207.00	63.43
-46.8	1.84	76.44	76.44	44.3	-46.8	1.84	0.75	36.8	207.00	63.50
-14.4	1.845	77.26	77.26	44.4	-14.4	1.845	0.76	36.9	207.00	63.57
-11.2	1.85	66.52	66.52	44.5	-11.2	1.85	0.76	37	207.00	63.64
14.4	1.855		58.00	44.6	14.4	1.855	0.76	37.1	207.00	63.71
-10.4	1.86		51.00	44.7	-10.4	1.86	0.76	37.2	207.00	63.79
-22.0	1.865		47.00	44.8	-22.0	1.865	0.74	37.3	207.00	63.86
-16.0	1.87		44.00	44.9	-16.0	1.87	0.72	37.4	207.00	63.93
-17.6	1.875		40.00	45	-17.6	1.875	0.69	37.5	207.00	64.00
-17.6	1.88		38.00	45.1	-17.6	1.88	0.66	37.6	207.00	64.07
-7.6	1.885		37.00	45.2	-7.6	1.885	0.62	37.7	207.00	64.14
3.2	1.89		37.00	45.3	3.2	1.89	0.59	37.8	207.00	64.21
-5.6	1.895		38.00	45.4	-5.6	1.895	0.55	37.9	207.00	64.29
-11.2	1.9		40.00	45.5	-11.2	1.9	0.51	38	207.00	64.36
-36.8	1.905		50.00	45.6	-36.8	1.905	0.47	38.1	207.10	64.43
-56.0	1.91		55.00	45.7	-56.0	1.91	0.44	38.2	207.10	64.50
-68.4	1.915		60.00	45.8	-68.4	1.915	0.41	38.3	207.10	64.57
-40.0	1.92		65.00	45.9	-40.0	1.92	0.38	38.4	207.10	64.64
-40.0	1.925		70.00	46	-40.0	1.925	0.36	38.5	205.20	64.71
-16.8	1.93	75.00	75.00	46.1	-16.8	1.93	0.36	38.6	201.40	64.79
-12.0	1.935	76.33	76.33	46.2	-12.0	1.935	0.36	38.7	197.60	64.86
-14.1	1.94		75.00	46.3	-14.1	1.94	0.38	38.8	193.80	64.93
-11.6	1.945		70.00	46.4	-11.6	1.945	0.41	38.9	190.00	65.00
-12.8	1.95		65.00	46.5	-12.8	1.95	0.44	39	187.47	65.10
-44.0	1.955		56.00	46.6	-44.0	1.955	0.48	39.1	186.20	65.20
-37.2	1.96		47.00	46.7	-37.2	1.96	0.51	39.2	186.30	65.30
-31.6	1.965		43.00	46.8	-31.6	1.965	0.52	39.3	188.20	65.40
-14.4	1.97		45.00	46.9	-14.4	1.97	0.52	39.4	188.20	65.50
-3.2	1.975		48.00	47	-3.2	1.975	0.51	39.5	190.10	65.55
5.6	1.98		55.00	47.1	5.6	1.98	0.48	39.6	192.00	65.60
-42.4	1.985	60.00	60.00	47.2	-42.4	1.985	0.44	39.7	194.85	65.65
-28.0	1.99	62.33	62.33	47.3	-28.0	1.99	0.39	39.8	195.80	65.70
-29.3	1.995		60.00	47.4	-29.3	1.995	0.36	39.9	195.80	65.75
-28.3	2		58.00	47.5	-28.3	2	0.32	40	192.00	65.80
-34.4	2.005		55.00	47.6	-34.4	2.005	0.29	40.1	154.03	65.85
-29.6	2.01		52.00	47.7	-29.6	2.01	0.28	40.2	121.90	65.90
-16.0	2.015		51.00	47.8	-16.0	2.015	0.26	40.3	120.00	65.95
6.1	2.02		52.00	47.9	6.1	2.02	0.26	40.4	154.10	66.00
-3.6	2.025		53.00	48	-3.6	2.025	0.25	40.5	188.20	66.18
-17.6	2.03		55.00	48.1	-17.6	2.03	0.25	40.6	195.80	66.35

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic synthesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-12.8	2.035		61.00	48.2	-12.8	2.035	0.25	40.7	199.60	66.53
-13.2	2.04		65.00	48.3	-13.2	2.04	0.25	40.8	203.40	66.71
-36.0	2.045	69.25	69.25	48.4	-36.0	2.045	0.25	40.9	205.30	66.88
-11.2	2.05	74.79	74.79	48.5	-11.2	2.05	0.25	41	207.20	67.06
17.6	2.055	73.93	73.93	48.6	17.6	2.055	0.24	41.1	209.10	67.24
-4.0	2.06		71.00	48.7	-4.0	2.06	0.23	41.2	211.00	67.41
-6.4	2.065		62.00	48.8	-6.4	2.065	0.21	41.3	212.90	67.59
-13.6	2.07		58.00	48.9	-13.6	2.07	0.19	41.4	214.80	67.77
-36.0	2.075		52.00	49	-36.0	2.075	0.17	41.5	214.80	67.94
-36.8	2.08		50.00	49.1	-36.8	2.08	0.15	41.6	214.80	68.12
-69.6	2.085		52.00	49.2	-69.6	2.085	0.12	41.7	214.80	68.30
-37.6	2.09		65.00	49.3	-37.6	2.09	0.10	41.8	214.80	68.47
-41.2	2.095		73.00	49.4	-41.2	2.095	0.09	41.9	214.80	68.65
-6.0	2.1		79.00	49.5	-6.0	2.1	0.08	42	214.80	68.83
-13.6	2.105	80.81	80.81	49.6	-13.6	2.105	0.08	42.1	212.90	69.00
-24.0	2.11	80.64	80.64	49.7	-24.0	2.11	0.09	42.2	211.00	69.18
-18.7	2.115	60.93	60.93	49.8	-18.7	2.115	0.10	42.3	211.00	69.36
-14.4	2.12	61.25	61.25	49.9	-14.4	2.12	0.12	42.4	209.10	69.53
-32.8	2.125	58.92	58.92	50	-32.8	2.125	0.13	42.5	207.30	69.71
-24.6	2.13	59.92	59.92	50.1	-24.6	2.13	0.15	42.6	203.50	69.89
-10.9	2.135	60.92	60.92	50.2	-10.9	2.135	0.15	42.7	200.33	70.06
4.8	2.14	61.93	61.93	50.3	4.8	2.14	0.14	42.8	196.38	70.24
-8.8	2.145	62.93	62.93	50.4	-8.8	2.145	0.12	42.9	189.57	70.42
-44.3	2.15		27.00	50.5	-44.3	2.15	0.08	43	177.57	70.59
-46.4	2.155		26.00	50.6	-46.4	2.155	0.04	43.1	169.40	70.77
-64.8	2.16	36.95	36.95	50.7	-64.8	2.16	0.00	43.2	169.40	70.95
-60.8	2.165	55.25	55.25	50.8	-60.8	2.165	-0.03	43.3	180.80	71.12
-49.6	2.17	56.71	56.71	50.9	-49.6	2.17	-0.06	43.4	191.15	71.30
-38.4	2.175	53.43	53.43	51	-38.4	2.175	-0.07	43.5	198.75	71.39
-31.7	2.18	53.95	53.95	51.1	-31.7	2.18	-0.07	43.6	205.40	71.48
-20.5	2.185	54.47	54.47	51.2	-20.5	2.185	-0.06	43.7	209.20	71.57
-5.6	2.19	54.99	54.99	51.3	-5.6	2.19	-0.04	43.8	213.00	71.66
-6.8	2.195	55.51	55.51	51.4	-6.8	2.195	-0.02	43.9	214.90	71.75
-26.8	2.2	59.88	59.88	51.5	-26.8	2.2	0.01	44	218.70	71.84
-28.8	2.205	64.53	64.53	51.6	-28.8	2.205	0.03	44.1	220.60	71.93
-2.0	2.21	69.18	69.18	51.7	-2.0	2.21	0.05	44.2	222.50	72.02
0.4	2.215	73.84	73.84	51.8	0.4	2.215	0.06	44.3	224.40	72.11
-2.4	2.22	76.74	76.74	51.9	-2.4	2.22	0.07	44.4	226.30	72.20
-6.4	2.225	77.34	77.34	52	-6.4	2.225	0.07	44.5	226.30	72.29
-8.8	2.23	87.96	87.96	52.1	-8.8	2.23	0.07	44.6	226.30	72.38
2.4	2.235	91.61	91.61	52.2	2.4	2.235	0.06	44.7	228.20	72.47
-28.0	2.24	100.12	100.12	52.3	-28.0	2.24	0.06	44.8	228.20	72.56
-47.6	2.245	121.87	121.87	52.4	-47.6	2.245	0.05	44.9	228.20	72.65
-24.0	2.25	124.56	124.56	52.5	-24.0	2.25	0.06	45	229.71	72.74
-6.4	2.255	127.26	127.26	52.6	-6.4	2.255	0.06	45.1	229.78	72.83
-1.6	2.26	129.96	129.96	52.7	-1.6	2.26	0.07	45.2	229.80	72.92
13.6	2.265	132.65	132.65	52.8	13.6	2.265	0.07	45.3	229.80	73.01
3.2	2.27	77.71	77.71	52.9	3.2	2.27	0.08	45.4	229.80	73.10
-34.4	2.275	78.96	78.96	53	-34.4	2.275	0.08	45.5	229.80	73.19
-44.0	2.28	80.23	80.23	53.1	-44.0	2.28	0.07	45.6	229.80	73.28
-41.6	2.285	83.22	83.22	53.2	-41.6	2.285	0.06	45.7	229.53	73.37
-27.5	2.29	89.26	89.26	53.3	-27.5	2.29	0.04	45.8	227.93	73.46
-8.8	2.295	94.32	94.32	53.4	-8.8	2.295	0.02	45.9	227.99	73.55
10.4	2.3	91.77	91.77	53.5	10.4	2.3	0.00	46	225.56	73.64
1.6	2.305		92.00	53.6	1.6	2.305	-0.03	46.1	222.84	73.73
-7.5	2.31		25.00	53.7	-7.5	2.31	-0.04	46.2	222.26	73.82
-25.4	2.315		26.00	53.8	-25.4	2.315	-0.06	46.3	222.21	73.91
-16.0	2.32		38.00	53.9	-16.0	2.32	-0.08	46.4	220.30	74.00
4.0	2.325		54.00	54	4.0	2.325	-0.09	46.5	216.40	74.10
0.0	2.33	60.28	60.28	54.1	0.0	2.33	-0.11	46.6	214.03	74.19
-1.1	2.335	66.07	66.07	54.2	-1.1	2.335	-0.13	46.7	209.75	74.29
-9.9	2.34	66.85	66.85	54.3	-9.9	2.34	-0.14	46.8	203.48	74.38
11.2	2.345	67.93	67.93	54.4	11.2	2.345	-0.16	46.9	196.16	74.48
23.2	2.35	69.00	69.00	54.5	23.2	2.35	-0.18	47	191.50	74.57
1.6	2.355	70.08	70.08	54.6	1.6	2.355	-0.20	47.1	189.60	74.67
-28.3	2.36	63.44	63.44	54.7	-28.3	2.36	-0.21	47.2	189.60	74.76
-40.2	2.365		30.00	54.8	-40.2	2.365	-0.23	47.3	189.60	74.86
-29.3	2.37		28.00	54.9	-29.3	2.37	-0.25	47.4	191.50	74.95

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-17.3	2.375	37.72	37.72	55	-17.3	2.375	-0.27	47.5	198.20	75.05
-8.8	2.38	49.80	49.80	55.1	-8.8	2.38	-0.30	47.6	206.80	75.14
6.0	2.385	48.22	48.22	55.2	6.0	2.385	-0.32	47.7	211.60	75.24
24.8	2.39	46.64	46.64	55.3	24.8	2.39	-0.36	47.8	218.30	75.33
20.8	2.395	45.06	45.06	55.4	20.8	2.395	-0.39	47.9	222.10	75.43
-4.8	2.4	49.44	49.44	55.5	-4.8	2.4	-0.42	48	225.90	75.52
-24.0	2.405	43.50	43.50	55.6	-24.0	2.405	-0.45	48.1	229.80	75.62
-19.7	2.41	42.97	42.97	55.7	-19.7	2.41	-0.48	48.2	233.60	75.71
-20.0	2.415	44.77	44.77	55.8	-20.0	2.415	-0.51	48.3	236.45	75.81
-8.8	2.42	44.83	44.83	55.9	-8.8	2.42	-0.53	48.4	237.40	75.90
0.0	2.425	44.63	44.63	56	0.0	2.425	-0.54	48.5	237.40	76.00
-7.0	2.43	44.40	44.40	56.1	-7.0	2.43	-0.56	48.6	237.40	76.09
-1.6	2.435	44.18	44.18	56.2	-1.6	2.435	-0.57	48.7	237.40	76.19
-12.0	2.44	43.95	43.95	56.3	-12.0	2.44	-0.59	48.8	236.64	76.28
-54.4	2.445	42.92	42.92	56.4	-54.4	2.445	-0.61	48.9	234.36	76.38
-49.6	2.45	38.62	38.62	56.5	-49.6	2.45	-0.63	49	233.10	76.47
-35.2	2.455	44.68	33.00	56.6	-35.2	2.455	-0.65	49.1	231.60	76.57
-36.0	2.46	45.23	29.00	56.7	-36.0	2.46	-0.67	49.2	229.70	76.66
-21.6	2.465	45.78	22.00	56.8	-21.6	2.465	-0.69	49.3	229.70	76.76
8.8	2.47	46.33	20.00	56.9	8.8	2.47	-0.71	49.4	229.70	76.85
10.8	2.475	46.89	21.00	57	10.8	2.475	-0.72	49.5	231.60	76.95
-21.6	2.48	47.44	23.00	57.1	-21.6	2.48	-0.73	49.6	231.60	77.04
-57.2	2.485		27.00	57.2	-57.2	2.485	-0.74	49.7	231.60	77.14
-50.4	2.49		32.00	57.3	-50.4	2.49	-0.75	49.8	233.50	77.23
-39.5	2.495	34.93	34.93	57.4	-39.5	2.495	-0.75	49.9	234.45	77.33
-30.4	2.5	36.93	36.93	57.5	-30.4	2.5	-0.75	50	237.40	77.42
-4.6	2.505	38.92	38.92	57.6	-4.6	2.505	-0.76	50.1	241.20	77.52
-9.2	2.51	40.92	40.92	57.7	-9.2	2.51	-0.76	50.2	243.10	77.61
-28.9	2.515	42.92	42.92	57.8	-28.9	2.515	-0.77	50.3	245.00	77.71
-46.4	2.52	46.64	46.64	57.9	-46.4	2.52	-0.79	50.4	245.00	77.80
-56.2	2.525	43.33	43.33	58	-56.2	2.525	-0.81	50.5	245.00	77.90
-53.2	2.53	48.57	48.57	58.1	-53.2	2.53	-0.83	50.6	245.00	77.99
-36.6	2.535	48.12	48.12	58.2	-36.6	2.535	-0.85	50.7	245.00	78.09
-2.4	2.54	47.00	47.00	58.3	-2.4	2.54	-0.88	50.8	243.10	78.18
17.8	2.545	45.88	45.88	58.4	17.8	2.545	-0.90	50.9	241.10	78.28
-21.2	2.55	44.76	44.76	58.5	-21.2	2.55	-0.93	51	239.20	78.37
-15.8	2.555	49.70	49.70	58.6	-15.8	2.555	-0.94	51.1	237.30	78.47
-6.0	2.56	49.69	49.69	58.7	-6.0	2.56	-0.94	51.2	237.30	78.56
-7.1	2.565	49.69	49.69	58.8	-7.1	2.565	-0.94	51.3	237.30	78.66
-2.8	2.57	49.68	49.68	58.9	-2.8	2.57	-0.91	51.4	239.20	78.75
3.4	2.575	49.67	49.67	59	3.4	2.575	-0.88	51.5	239.20	78.85
11.2	2.58	49.66	49.66	59.1	11.2	2.58	-0.83	51.6	241.10	78.94
10.7	2.585	49.65	49.65	59.2	10.7	2.585	-0.78	51.7	243.00	79.04
6.3	2.59	49.65	49.65	59.3	6.3	2.59	-0.73	51.8	244.90	79.13
-3.4	2.595	49.64	49.64	59.4	-3.4	2.595	-0.68	51.9	243.00	79.23
-35.2	2.6	49.63	49.63	59.5	-35.2	2.6	-0.65	52	241.10	79.32
-55.4	2.605	49.62	49.62	59.6	-55.4	2.605	-0.63	52.1	236.83	79.42
-42.8	2.61	49.61	49.61	59.7	-42.8	2.61	-0.61	52.2	223.90	79.51
-41.0	2.615	50.16	50.16	59.8	-41.0	2.615	-0.61	52.3	193.20	79.61
-28.8	2.62	50.25	50.25	59.9	-28.8	2.62	-0.60	52.4	186.23	79.70
-6.9	2.625	50.34	50.34	60	-6.9	2.625	-0.60	52.5	202.80	79.80
-4.8	2.63		40.00	60.1	-4.8	2.63	-0.61	52.6	217.15	79.89
4.2	2.635		32.00	60.2	4.2	2.635	-0.61	52.7	221.90	79.99
-1.6	2.64		29.00	60.3	-1.6	2.64	-0.61	52.8	225.80	80.08
-29.5	2.645		26.00	60.4	-29.5	2.645	-0.62	52.9	227.70	80.18
-26.4	2.65		27.00	60.5	-26.4	2.65	-0.62	53	231.50	80.27
-36.2	2.655		29.00	60.6	-36.2	2.655	-0.63	53.1	233.40	80.37
-16.0	2.66		32.00	60.7	-16.0	2.66	-0.64	53.2	233.40	80.46
7.0	2.665		42.00	60.8	7.0	2.665	-0.64	53.3	235.30	80.56
11.6	2.67		48.00	60.9	11.6	2.67	-0.64	53.4	235.93	80.65
6.9	2.675		50.00	61	6.9	2.675	-0.63	53.5	237.20	80.75
-1.2	2.68	51.75	51.75	61.1	-1.2	2.68	-0.60	53.6	237.20	80.84
-14.6	2.685	51.86	51.86	61.2	-14.6	2.685	-0.57	53.7	237.20	80.94
-42.0	2.69	45.72	45.72	61.3	-42.0	2.69	-0.54	53.8	237.20	81.03
-39.8	2.695	45.87	45.87	61.4	-39.8	2.695	-0.50	53.9	235.30	81.13
-18.8	2.7	46.02	46.02	61.5	-18.8	2.7	-0.47	54	235.30	81.22
-19.0	2.705	46.18	46.18	61.6	-19.0	2.705	-0.44	54.1	235.30	81.32
-40.4	2.71	46.33	46.33	61.7	-40.4	2.71	-0.42	54.2	233.40	81.41

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic synthesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-38.2	2.715	52.51	52.51	61.8	-38.2	2.715	-0.40	54.3	233.40	81.51
-45.2	2.72	52.62	52.62	61.9	-45.2	2.72	-0.39	54.4	233.40	81.60
-29.0	2.725	52.73	52.73	62	-29.0	2.725	-0.39	54.5	231.40	81.70
-54.8	2.73	52.84	52.84	62.1	-54.8	2.73	-0.39	54.6	229.03	81.79
-30.2	2.735	52.95	52.95	62.2	-30.2	2.735	-0.38	54.7	225.70	81.89
-25.6	2.74	51.02	51.02	62.3	-25.6	2.74	-0.38	54.8	219.52	81.98
-29.8	2.745	51.94	51.94	62.4	-29.8	2.745	-0.37	54.9	215.34	82.08
20.4	2.75	52.87	52.87	62.5	20.4	2.75	-0.36	55	212.30	82.17
21.8	2.755	53.80	53.80	62.6	21.8	2.755	-0.35	55.1	210.40	82.27
14.4	2.76	54.72	54.72	62.7	14.4	2.76	-0.34	55.2	210.40	82.36
4.6	2.765	55.38	55.38	62.8	4.6	2.765	-0.32	55.3	210.30	82.46
-5.2	2.77	54.66	54.66	62.9	-5.2	2.77	-0.30	55.4	212.30	82.55
-18.2	2.775	53.93	53.93	63	-18.2	2.775	-0.27	55.5	213.25	82.65
-4.8	2.78		50.00	63.1	-4.8	2.78	-0.24	55.6	216.10	82.74
5.4	2.785		36.00	63.2	5.4	2.785	-0.21	55.7	217.05	82.84
6.5	2.79		25.00	63.3	6.5	2.79	-0.19	55.8	219.90	82.93
-8.6	2.795		19.00	63.4	-8.6	2.795	-0.17	55.9	221.80	83.03
-2.0	2.8		11.00	63.5	-2.0	2.8	-0.16	56	223.70	83.12
-8.0	2.805		9.00	63.6	-8.0	2.805	-0.16	56.1	225.60	83.22
-32.4	2.81		8.00	63.7	-32.4	2.81	-0.16	56.2	224.08	83.31
-39.8	2.815		8.00	63.8	-39.8	2.815	-0.17	56.3	222.56	83.41
-43.2	2.82		9.00	63.9	-43.2	2.82	-0.17	56.4	220.28	83.50
-17.0	2.825		10.00	64	-17.0	2.825	-0.18	56.5	216.00	83.56
-12.4	2.83		12.00	64.1	-12.4	2.83	-0.18	56.6	211.82	83.62
-4.0	2.835		15.00	64.2	-4.0	2.835	-0.18	56.7	207.64	83.67
-5.6	2.84		22.00	64.3	-5.6	2.84	-0.18	56.8	202.22	83.73
-22.6	2.845		25.00	64.4	-22.6	2.845	-0.19	56.9	189.70	83.79
-17.2	2.85		22.00	64.5	-17.2	2.85	-0.19	57	184.64	83.85
-29.4	2.855	23.60	23.60	64.6	-29.4	2.855	-0.19	57.1	181.60	83.90
-26.4	2.86	25.07	25.07	64.7	-26.4	2.86	-0.19	57.2	181.60	83.96
-7.8	2.865	26.55	26.55	64.8	-7.8	2.865	-0.20	57.3	185.40	84.02
-5.5	2.87	28.02	28.02	64.9	-5.5	2.87	-0.20	57.4	194.33	84.08
-15.0	2.875	29.49	29.49	65	-15.0	2.875	-0.19	57.5	204.50	84.13
-6.4	2.88	30.96	30.96	65.1	-6.4	2.88	-0.19	57.6	212.20	84.19
-33.0	2.885	32.43	32.43	65.2	-33.0	2.885	-0.18	57.7	217.90	84.25
-40.0	2.89	33.91	33.91	65.3	-40.0	2.89	-0.17	57.8	221.70	84.31
-22.6	2.895	35.38	35.38	65.4	-22.6	2.895	-0.15	57.9	223.60	84.36
-13.6	2.9	36.85	36.85	65.5	-13.6	2.9	-0.14	58	223.60	84.42
-5.8	2.905	38.32	38.32	65.6	-5.8	2.905	-0.12	58.1	223.60	84.48
-5.6	2.91	39.80	39.80	65.7	-5.6	2.91	-0.11	58.2	223.60	84.54
-14.5	2.915	41.27	41.27	65.8	-14.5	2.915	-0.09	58.3	225.35	84.59
-8.8	2.92	42.74	42.74	65.9	-8.8	2.92	-0.08	58.4	225.70	84.65
-9.0	2.925	44.21	44.21	66	-9.0	2.925	-0.08	58.5	224.41	84.71
-26.0	2.93		42.00	66.1	-26.0	2.93	-0.07	58.6	221.73	84.77
-40.6	2.935		38.00	66.2	-40.6	2.935	-0.07	58.7	220.10	84.82
-5.6	2.94		25.00	66.3	-5.6	2.94	-0.07	58.8	220.10	84.88
-0.2	2.945		19.00	66.4	-0.2	2.945	-0.07	58.9	218.20	84.94
15.6	2.95		15.00	66.5	15.6	2.95	-0.08	59	218.20	85.00
14.6	2.955		14.00	66.6	14.6	2.955	-0.08	59.1	216.30	85.05
-1.6	2.96		16.00	66.7	-1.6	2.96	-0.08	59.2	216.30	85.11
3.0	2.965		20.00	66.8	3.0	2.965	-0.09	59.3	216.30	85.17
-13.7	2.97		33.00	66.9	-13.7	2.97	-0.09	59.4	216.32	85.23
-22.2	2.975		38.00	67	-22.2	2.975	-0.09	59.5	216.39	85.28
-6.4	2.98	38.76	38.76	67.1	-6.4	2.98	-0.10	59.6	217.62	85.34
12.3	2.985	27.38	27.38	67.2	12.3	2.985	-0.10	59.7	218.98	85.40
13.2	2.99	28.66	28.66	67.3	13.2	2.99	-0.11	59.8	220.47	85.46
17.0	2.995	29.94	29.94	67.4	17.0	2.995	-0.12	59.9	223.19	85.51
2.4	3	31.23	31.23	67.5	2.4	3	-0.13	60	225.95	85.57
-13.3	3.005	32.51	32.51	67.6	-13.3	3.005	-0.14	60.1	227.86	85.63
-20.1	3.01	33.79	33.79	67.7	-20.1	3.01	-0.15	60.2	229.70	85.69
-32.2	3.015	35.07	35.07	67.8	-32.2	3.015	-0.17	60.3	229.70	85.74
-17.6	3.02	36.36	36.36	67.9	-17.6	3.02	-0.18	60.4	229.80	85.80
-17.8	3.025	37.64	37.64	68	-17.8	3.025	-0.19	60.5	227.90	86.12
-15.6	3.03	38.92	38.92	68.1	-15.6	3.03	-0.20	60.6	224.10	86.44
3.8	3.035	40.20	40.20	68.2	3.8	3.035	-0.20	60.7	222.20	86.76
9.6	3.04	41.49	41.49	68.3	9.6	3.04	-0.20	60.8	224.10	87.08
8.1	3.045	42.77	42.77	68.4	8.1	3.045	-0.19	60.9	226.00	87.40
-2.5	3.05	44.05	44.05	68.5	-2.5	3.05	-0.18	61	231.70	87.72

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-3.8	3.055	45.34	45.34	68.6	-3.8	3.055	-0.16	61.1	235.60	88.04
-11.2	3.06	46.62	46.62	68.7	-11.2	3.06	-0.15	61.2	237.50	88.36
7.0	3.065	35.58	35.58	68.8	7.0	3.065	-0.14	61.3	237.50	88.68
14.0	3.07	36.89	36.89	68.9	14.0	3.07	-0.14	61.4	237.50	89.00
20.2	3.075	38.19	38.19	69	20.2	3.075	-0.13	61.5	234.97	89.15
7.2	3.08		46.00	69.1	7.2	3.08	-0.14	61.6	229.90	89.30
-10.2	3.085		44.00	69.2	-10.2	3.085	-0.14	61.7	214.70	89.45
-11.3	3.09		40.00	69.3	-11.3	3.09	-0.15	61.8	176.50	89.60
-6.2	3.095		37.00	69.4	-6.2	3.095	-0.15	61.9	135.50	89.75
-6.4	3.1		30.00	69.5	-6.4	3.1	-0.16	62	128.80	89.90
2.7	3.105		25.00	69.6	2.7	3.105	-0.17	62.1	130.70	90.05
2.0	3.11		21.00	69.7	2.0	3.11	-0.18	62.2	163.20	90.20
-7.8	3.115		18.00	69.8	-7.8	3.115	-0.19	62.3	209.00	90.35
-18.9	3.12		16.00	69.9	-18.9	3.12	-0.20	62.4	241.50	90.50
-41.0	3.125		13.00	70	-41.0	3.125	-0.21	62.5	238.97	90.65
-10.5	3.13		11.00	70.1	-10.5	3.13	-0.22	62.6	224.30	90.80
-33.8	3.135		10.00	70.2	-33.8	3.135	-0.22	62.7	220.50	90.95
-48.8	3.14		11.00	70.3	-48.8	3.14	-0.22	62.8	251.10	91.10
-50.6	3.145		12.00	70.4	-50.6	3.145	-0.22	62.9	254.90	91.25
-24.9	3.15		15.00	70.5	-24.9	3.15	-0.21	63	254.90	91.40
-13.9	3.155		20.00	70.6	-13.9	3.155	-0.20	63.1	247.30	91.55
-4.4	3.16		23.00	70.7	-4.4	3.16	-0.19	63.2	243.50	91.70
-10.6	3.165		25.00	70.8	-10.6	3.165	-0.17	63.3	243.50	91.85
-10.5	3.17		26.00	70.9	-10.5	3.17	-0.16	63.4	249.30	92.00
-23.0	3.175		3.00	71	-23.0	3.175	-0.13	63.5	256.90	92.15
-20.0	3.18		5.00	71.1	-20.0	3.18	-0.11	63.6	256.90	92.30
-29.5	3.185	14.73	14.73	71.2	-29.5	3.185	-0.08	63.7	257.00	92.45
-23.1	3.19	28.44	28.44	71.3	-23.1	3.19	-0.06	63.8	257.00	92.60
-2.2	3.195	28.62	28.62	71.4	-2.2	3.195	-0.04	63.9	257.99	92.75
-0.2	3.2	28.80	28.80	71.5	-0.2	3.2	-0.02	64	255.27	92.90
-4.2	3.205	28.98	28.98	71.6	-4.2	3.205	-0.01	64.1	252.01	93.05
-12.6	3.21	29.16	29.16	71.7	-12.6	3.21	-0.01	64.2	246.93	93.20
-6.0	3.215	29.34	29.34	71.8	-6.0	3.215	-0.02	64.3	241.70	93.35
-13.6	3.22	29.53	29.53	71.9	-13.6	3.22	-0.04	64.4	238.99	93.50
-23.8	3.225	29.71	29.71	72	-23.8	3.225	-0.05	64.5	234.64	93.64
-4.4	3.23	29.89	29.89	72.1	-4.4	3.23	-0.07	64.6	229.76	93.77
-15.6	3.235	30.07	30.07	72.2	-15.6	3.235	-0.09	64.7	227.04	93.91
-7.2	3.24	30.25	30.25	72.3	-7.2	3.24	-0.10	64.8	224.34	94.04
-16.2	3.245	30.43	30.43	72.4	-16.2	3.245	-0.11	64.9	222.80	94.18
-7.6	3.25	30.61	30.61	72.5	-7.6	3.25	-0.11	65	222.80	94.31
-15.0	3.255	30.79	30.79	72.6	-15.0	3.255	0.41	65.02	220.90	94.45
-4.6	3.26	30.97	30.97	72.7	-4.6	3.26	0.41	65.12	220.90	94.58
-11.4	3.265	31.15	31.15	72.8	-11.4	3.265	0.41	65.22	218.30	94.72
-13.2	3.27	31.33	31.33	72.9	-13.2	3.27	0.42	65.32	218.30	94.85
-0.6	3.275	31.51	31.51	73	-0.6	3.275	0.43	65.42	219.25	94.99
-10.4	3.28	35.75	35.75	73.1	-10.4	3.28	0.45	65.52	221.80	95.12
0.9	3.285	36.12	36.12	73.2	0.9	3.285	0.49	65.62	222.20	95.26
-7.6	3.29	36.48	36.48	73.3	-7.6	3.29	0.53	65.72	224.10	95.39
-3.5	3.295	36.85	36.85	73.4	-3.5	3.295	0.58	65.82	224.18	95.53
-12.0	3.3	37.21	37.21	73.5	-12.0	3.3	0.63	65.92	226.10	95.66
-67.4	3.305	37.58	37.58	73.6	-67.4	3.305	0.69	66.02	226.10	95.80
-51.3	3.31	37.94	37.94	73.7	-51.3	3.31	0.75	66.12	226.16	95.93
-62.2	3.315	38.31	38.31	73.8	-62.2	3.315	0.8	66.22	224.30	96.07
-48.0	3.32	38.68	38.68	73.9	-48.0	3.32	0.84	66.32	217.87	96.20
-34.3	3.325	39.04	39.04	74	-34.3	3.325	0.88	66.42	200.70	96.34
-32.0	3.33	39.41	39.41	74.1	-32.0	3.33	0.9	66.52	184.10	96.47
-39.8	3.335	39.77	39.77	74.2	-39.8	3.335	0.92	66.62	178.40	96.61
-62.0	3.34	41.15	41.15	74.3	-62.0	3.34	0.93	66.72	178.50	96.74
-45.8	3.345	43.29	43.29	74.4	-45.8	3.345	0.93	66.82	199.50	96.88
-51.6	3.35	44.93	44.93	74.5	-51.6	3.35	0.93	66.92	230.20	97.01
-42.2	3.355	45.38	45.38	74.6	-42.2	3.355	0.92	67.02	237.52	97.15
-32.8	3.36	43.24	43.24	74.7	-32.8	3.36	0.91	67.12	241.70	97.28
-31.0	3.365	41.11	41.11	74.8	-31.0	3.365	0.89	67.22	243.70	97.42
-15.6	3.37	38.97	38.97	74.9	-15.6	3.37	0.86	67.32	245.60	97.55
-16.6	3.375	36.84	36.84	75	-16.6	3.375	0.82	67.42	245.60	97.69
-15.7	3.38	33.20	33.20	75.1	-15.7	3.38	0.79	67.52	245.70	97.82
-19.4	3.385	32.43	32.43	75.2	-19.4	3.385	0.75	67.62	243.80	97.96
-17.2	3.39	31.66	31.66	75.3	-17.2	3.39	0.71	67.72	241.90	98.09

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-27.5	3.395	30.89	30.89	75.4	-27.5	3.395	0.69	67.82	240.00	98.23
-24.0	3.4	30.12	30.12	75.5	-24.0	3.4	0.67	67.92	236.20	98.36
-21.0	3.405	29.36	29.36	75.6	-21.0	3.405	0.66	68.02	234.30	98.50
2.8	3.41	28.59	28.59	75.7	2.8	3.41	0.66	68.12	234.30	98.63
-30.2	3.415	0.80	0.80	75.8	-30.2	3.415	0.66	68.22	232.44	98.77
-21.2	3.42	1.09	1.09	75.9	-21.2	3.42	0.66	68.32	232.50	98.90
-15.8	3.425	1.39	1.39	76	-15.8	3.425	0.66	68.42	232.50	99.01
-29.6	3.43	16.11	16.11	76.1	-29.6	3.43	0.66	68.52	234.90	99.12
-35.4	3.435	17.45	17.45	76.2	-35.4	3.435	0.66	68.62	223.10	99.23
-28.4	3.44	18.89	18.89	76.3	-28.4	3.44	0.65	68.72	229.53	99.34
-18.2	3.445	20.43	20.43	76.4	-18.2	3.445	0.65	68.82	235.93	99.45
-8.4	3.45	21.97	21.97	76.5	-8.4	3.45	0.63	68.92	240.40	99.57
3.0	3.455	23.50	23.50	76.6	3.0	3.455	0.61	69.02	242.30	99.68
-22.4	3.46	25.04	25.04	76.7	-22.4	3.46	0.59	69.12	244.20	99.79
-10.6	3.465		24.00	76.8	-10.6	3.465	0.55	69.22	244.20	99.90
4.4	3.47		15.00	76.9	4.4	3.47	0.52	69.32	244.20	100.01
-6.5	3.475		11.00	77	-6.5	3.475	0.49	69.42	242.30	100.12
-16.8	3.48		8.00	77.1	-16.8	3.48	0.46	69.52	240.40	100.23
-13.0	3.485		7.00	77.2	-13.0	3.485	0.46	69.62	234.70	100.34
-4.9	3.49		8.00	77.3	-4.9	3.49	0.47	69.72	225.10	100.45
-1.7	3.495		10.00	77.4	-1.7	3.495	0.49	69.82	210.75	100.56
5.0	3.5		18.00	77.5	5.0	3.5	0.53	69.92	192.60	100.67
-2.2	3.505		26.00	77.6	-2.2	3.505	0.56	70.02	184.90	100.78
2.4	3.51		29.00	77.7	2.4	3.51	0.58	70.12	186.23	100.90
-1.1	3.515	31.53	31.53	77.8	-1.1	3.515	0.58	70.22	204.73	101.01
-12.8	3.52	33.21	33.21	77.9	-12.8	3.52	0.58	70.32	219.40	101.12
-1.6	3.525	33.51	33.51	78	-1.6	3.525	0.56	70.42	230.90	101.23
-4.8	3.53	33.81	33.81	78.1	-4.8	3.53	0.54	70.52	229.00	101.34
8.8	3.535	34.11	34.11	78.2	8.8	3.535	0.52	70.62	227.10	101.45
1.6	3.54	34.51	34.51	78.3	1.6	3.54	0.49	70.72	221.40	101.56
-10.8	3.545	35.50	35.50	78.4	-10.8	3.545	0.47	70.82	212.75	101.67
-17.6	3.55	36.49	36.49	78.5	-17.6	3.55	0.45	70.92	208.00	101.78
3.6	3.555	37.48	37.48	78.6	3.6	3.555	0.44	71.02	204.10	101.89
-18.4	3.56	38.47	38.47	78.7	-18.4	3.56	0.43	71.12	204.20	102.00
-8.0	3.565	39.46	39.46	78.8	-8.0	3.565	0.42	71.22	206.10	102.11
-10.4	3.57	40.45	40.45	78.9	-10.4	3.57	0.41	71.32	210.53	102.23
4.4	3.575	41.44	41.44	79	4.4	3.575	0.4	71.42	213.70	102.34
-7.2	3.58	42.43	42.43	79.1	-7.2	3.58	0.39	71.52	215.70	102.45
-21.6	3.585	43.42	43.42	79.2	-21.6	3.585	0.39	71.62	217.60	102.56
-28.0	3.59	44.41	44.41	79.3	-28.0	3.59	0.38	71.72	215.70	102.67
-7.5	3.595	45.40	45.40	79.4	-7.5	3.595	0.37	71.82	213.80	102.78
-2.4	3.6	46.39	46.39	79.5	-2.4	3.6	0.37	71.92	208.00	102.89
-9.8	3.605	47.38	47.38	79.6	-9.8	3.605	0.36	72.02	195.60	103.00
-8.5	3.61	48.37	48.37	79.7	-8.5	3.61	0.35	72.12	190.80	103.11
18.4	3.615	49.25	49.25	79.8	18.4	3.615	0.34	72.22	187.00	103.22
-0.8	3.62	49.83	49.83	79.9	-0.8	3.62	0.33	72.32	185.10	103.33
-23.8	3.625	50.42	50.42	80	-23.8	3.625	0.33	72.42	185.10	103.44
-25.1	3.63	51.01	51.01	80.1	-25.1	3.63	0.32	72.52	185.10	103.56
-34.4	3.635	51.60	51.60	80.2	-34.4	3.635	0.31	72.62	187.00	103.67
3.2	3.64	52.19	52.19	80.3	3.2	3.64	0.3	72.72	190.87	103.78
1.2	3.645	52.78	52.78	80.4	1.2	3.645	0.28	72.82	194.70	103.89
1.6	3.65	53.37	53.37	80.5	1.6	3.65	0.26	72.92	197.55	104.00
7.2	3.655	53.96	53.96	80.6	7.2	3.655	0.23	73.02	198.50	104.11
-2.1	3.66	54.55	54.55	80.7	-2.1	3.66	0.2	73.12	198.50	104.22
-12.6	3.665	55.14	55.14	80.8	-12.6	3.665	0.17	73.22	198.50	104.33
-20.8	3.67	45.44	45.44	80.9	-20.8	3.67	0.14	73.32	196.60	104.44
-26.7	3.675	46.04	46.04	81	-26.7	3.675	0.12	73.42	193.75	104.55
-30.0	3.68		46.00	81.1	-30.0	3.68	0.1	73.52	190.43	104.66
-22.7	3.685		45.50	81.2	-22.7	3.685	0.09	73.62	190.00	104.77
-17.6	3.69		45.00	81.3	-17.6	3.69	0.08	73.72	190.00	104.89
-0.8	3.695		43.00	81.4	-0.8	3.695	0.08	73.82	190.00	105.00
20.8	3.7		40.00	81.5	20.8	3.7	0.07	73.92	189.00	105.11
-9.6	3.705		36.00	81.6	-9.6	3.705	0.07	74.02	189.00	105.22
1.9	3.71		32.00	81.7	1.9	3.71	0.08	74.12	188.00	105.33
-11.2	3.715		28.00	81.8	-11.2	3.715	0.09	74.22	188.00	105.44
-20.0	3.72		24.00	81.9	-20.0	3.72	0.11	74.32	187.47	105.55
-10.4	3.725		19.00	82	-10.4	3.725	0.14	74.42	186.20	105.66
-4.4	3.73		16.00	82.1	-4.4	3.73	0.17	74.52	184.93	105.77

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
6.8	3.735		14.00	82.2	6.8	3.735	0.21	74.62	184.40	105.88
6.0	3.74		13.00	82.3	6.0	3.74	0.24	74.72	184.40	105.99
4.0	3.745		12.00	82.4	4.0	3.745	0.28	74.82	184.40	106.10
3.4	3.75		12.00	82.5	3.4	3.75	0.32	74.92	187.35	106.22
-0.3	3.755		13.00	82.6	-0.3	3.755	0.36	75.02	189.25	106.33
-9.3	3.76		14.00	82.7	-9.3	3.76	0.39	75.12	192.17	106.44
1.6	3.765		16.00	82.8	1.6	3.765	0.41	75.22	196.00	106.55
16.8	3.77		19.00	82.9	16.8	3.77	0.43	75.32	197.95	106.66
12.8	3.775		25.00	83	12.8	3.775	0.43	75.42	198.00	106.77
15.4	3.78		32.00	83.1	15.4	3.78	0.41	75.52	198.00	106.88
-7.2	3.785	41.15	41.15	83.2	-7.2	3.785	0.38	75.62	198.00	106.99
-20.8	3.79	54.42	54.42	83.3	-20.8	3.79	0.33	75.72	196.73	107.10
-19.0	3.795	56.11	56.11	83.4	-19.0	3.795	0.26	75.82	195.57	107.21
1.0	3.8	57.80	57.80	83.5	1.0	3.8	0.19	75.92	193.67	107.32
-2.9	3.805	47.10	47.10	83.6	-2.9	3.805	0.12	76.02	191.45	107.43
-8.0	3.81	48.58	48.58	83.7	-8.0	3.81	0.06	76.12	188.60	107.55
-11.7	3.815	42.65	42.65	83.8	-11.7	3.815	0.01	76.22	185.75	107.66
-9.6	3.82	47.52	47.52	83.9	-9.6	3.82	-0.03	76.32	184.17	107.77
-14.0	3.825		40.00	84	-14.0	3.825	-0.05	76.42	181.00	107.88
-3.0	3.83		-5.00	84.1	-3.0	3.83	-0.07	76.52	179.10	107.99
-0.8	3.835		-3.00	84.2	-0.8	3.835	-0.07	76.62	177.20	108.10
-17.4	3.84	0.77	0.77	84.3	-17.4	3.84	-0.07	76.72	175.35	108.21
-28.8	3.845	25.34	25.34	84.4	-28.8	3.845	-0.08	76.82	174.13	108.32
7.2	3.85	25.29	25.29	84.5	7.2	3.85	-0.09	76.92	172.23	108.43
18.6	3.855	25.24	25.24	84.6	18.6	3.855	-0.1	77.02	170.97	108.54
22.1	3.86	25.19	25.19	84.7	22.1	3.86	-0.11	77.12	169.07	108.65
-0.8	3.865	25.14	25.14	84.8	-0.8	3.865	-0.13	77.22	161.50	108.76
14.0	3.87	25.09	25.09	84.9	14.0	3.87	-0.16	77.32	159.60	108.88
-2.4	3.875	25.05	25.05	85	-2.4	3.875	-0.18	77.42	159.15	108.99
-11.8	3.88	25.00	25.00	85.1	-11.8	3.88	-0.2	77.52	158.70	109.10
-18.8	3.885	24.95	24.95	85.2	-18.8	3.885	-0.22	77.62	158.25	109.21
-0.6	3.89		26.00	85.3	-0.6	3.89	-0.24	77.72	157.80	109.32
-1.1	3.895		24.00	85.4	-1.1	3.895	-0.26	77.82	157.80	109.43
14.4	3.9		22.00	85.5	14.4	3.9	-0.28	77.92	157.80	109.54
-12.0	3.905		19.00	85.6	-12.0	3.905	-0.31	78.02	157.80	109.65
-2.4	3.91		17.00	85.7	-2.4	3.91	-0.33	78.12	157.80	109.76
-5.6	3.915		15.00	85.8	-5.6	3.915	-0.35	78.22	159.70	109.87
4.0	3.92		12.00	85.9	4.0	3.92	-0.37	78.32	159.75	109.98
-5.6	3.925		9.00	86	-5.6	3.925	-0.39	78.42	159.80	110.09
-3.6	3.93		7.00	86.1	-3.6	3.93	-0.41	78.52	159.80	110.21
3.2	3.935		6.00	86.2	3.2	3.935	-0.43	78.62	162.90	110.32
13.3	3.94		5.00	86.3	13.3	3.94	-0.45	78.72	162.90	110.43
-14.7	3.945		6.00	86.4	-14.7	3.945	-0.47	78.82	161.95	110.54
-14.1	3.95		7.00	86.5	-14.1	3.95	-0.49	78.92	161.00	110.65
5.6	3.955		10.00	86.6	5.6	3.955	-0.51	79.02	160.53	110.76
-10.8	3.96		25.00	86.7	-10.8	3.96	-0.53	79.12	159.10	110.87
-10.4	3.965	14.55	14.55	86.8	-10.4	3.965	-0.55	79.22	158.63	110.98
-16.8	3.97	14.66	14.66	86.9	-16.8	3.97	-0.57	79.32	155.30	111.09
-18.4	3.975	14.77	14.77	87	-18.4	3.975	-0.59	79.42	151.98	111.20
-13.6	3.98	14.88	14.88	87.1	-13.6	3.98	-0.61	79.52	144.22	111.31
-24.5	3.985	14.99	14.99	87.2	-24.5	3.985	-0.63	79.62	130.60	111.42
-23.2	3.99	15.10	15.10	87.3	-23.2	3.99	-0.65	79.72	120.10	111.54
-56.4	3.995	15.22	15.22	87.4	-56.4	3.995	-0.67	79.82	121.10	111.65
-40.8	4	15.33	15.33	87.5	-40.8	4	-0.69	79.92	133.93	111.76
-25.6	4.005	15.44	15.44	87.6	-25.6	4.005	-0.71	80.02	147.70	111.87
-17.2	4.01	15.55	15.55	87.7	-17.2	4.01	-0.73	80.12	153.88	111.98
3.2	4.015	15.66	15.66	87.8	3.2	4.015	-0.75	80.22	157.83	112.09
-16.0	4.02		14.00	87.9	-16.0	4.02	-0.77	80.32	159.10	112.20
-10.4	4.025		7.00	88	-10.4	4.025	-0.79	80.42	157.68	112.38
-12.0	4.03		10.00	88.1	-12.0	4.03	-0.8	80.52	155.78	112.55
-33.3	4.035		16.00	88.2	-33.3	4.035	-0.82	80.62	152.45	112.73
-36.6	4.04		27.00	88.3	-36.6	4.04	-0.83	80.72	148.46	112.90
-34.8	4.045	29.33	29.33	88.4	-34.8	4.045	-0.84	80.82	143.90	113.08
-34.4	4.05	29.12	29.12	88.5	-34.4	4.05	-0.84	80.92	141.05	113.26
-18.4	4.055	28.91	28.91	88.6	-18.4	4.055	-0.84	81.02	138.20	113.43
-12.4	4.06	28.70	28.70	88.7	-12.4	4.06	-0.83	81.12	136.30	113.61
-11.2	4.065	28.49	28.49	88.8	-11.2	4.065	-0.82	81.22	136.30	113.78
-5.9	4.07	28.28	28.28	88.9	-5.9	4.07	-0.8	81.32	134.88	113.96

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-12.2	4.075	28.07	28.07	89	-12.2	4.075	-0.78	81.42	134.40	114.14
-3.7	4.08	27.86	27.86	89.1	-3.7	4.08	-0.76	81.52	135.67	114.31
-8.6	4.085	27.65	27.65	89.2	-8.6	4.085	-0.74	81.62	136.30	114.49
-19.8	4.09	27.44	27.44	89.3	-19.8	4.09	-0.72	81.72	136.93	114.66
-20.8	4.095	27.22	27.22	89.4	-20.8	4.095	-0.7	81.82	138.20	114.84
-5.2	4.1	27.01	27.01	89.5	-5.2	4.1	-0.68	81.92	140.73	115.02
10.4	4.105	26.80	26.80	89.6	10.4	4.105	-0.66	82.02	143.90	115.19
4.0	4.11	26.59	26.59	89.7	4.0	4.11	-0.65	82.12	147.70	115.37
-2.7	4.115	26.38	26.38	89.8	-2.7	4.115	-0.65	82.22	150.87	115.54
-10.4	4.12		2.00	89.9	-10.4	4.12	-0.65	82.32	154.35	115.72
-1.2	4.125	10.31	10.31	90	-1.2	4.125	-0.66	82.42	157.20	115.90
-12.0	4.13	10.57	10.57	90.1	-12.0	4.13	-0.67	82.52	159.10	116.07
-3.2	4.135	10.82	10.82	90.2	-3.2	4.135	-0.69	82.62	160.53	116.25
-16.8	4.14	11.07	11.07	90.3	-16.8	4.14	-0.72	82.72	161.00	116.42
-20.5	4.145	11.32	11.32	90.4	-20.5	4.145	-0.74	82.82	162.27	116.60
-7.6	4.15	11.57	11.57	90.5	-7.6	4.15	-0.76	82.92	162.90	116.78
12.0	4.155	11.82	11.82	90.6	12.0	4.155	-0.78	83.02	162.90	116.95
10.2	4.16	12.07	12.07	90.7	10.2	4.16	-0.8	83.12	162.90	117.13
6.2	4.165	12.32	12.32	90.8	6.2	4.165	-0.81	83.22	162.90	117.30
0.6	4.17	12.57	12.57	90.9	0.6	4.17	-0.82	83.32	162.90	117.48
9.6	4.175	12.82	12.82	91	9.6	4.175	-0.82	83.42	162.90	117.66
-0.4	4.18	13.07	13.07	91.1	-0.4	4.18	-0.82	83.52	162.43	117.83
3.2	4.185	13.32	13.32	91.2	3.2	4.185	-0.83	83.62	161.00	118.01
0.8	4.19	13.57	13.57	91.3	0.8	4.19	-0.83	83.72	159.58	118.18
-2.1	4.195	13.83	13.83	91.4	-2.1	4.195	-0.84	83.82	156.06	118.36
-2.6	4.2		12.00	91.5	-2.6	4.2	-0.85	83.92	145.53	118.54
6.9	4.205		5.00	91.6	6.9	4.205	-0.86	84.02	127.10	118.71
-13.6	4.21		2.00	91.7	-13.6	4.21	-0.88	84.12	108.33	118.89
-18.4	4.215		4.00	91.8	-18.4	4.215	-0.91	84.22	97.07	119.06
5.2	4.22		10.00	91.9	5.2	4.22	-0.93	84.32	94.88	119.24
3.2	4.225		22.00	92	3.2	4.225	-0.96	84.42	103.90	119.42
-7.6	4.23	28.13	28.13	92.1	-7.6	4.23	-0.98	84.52	122.97	119.59
-20.0	4.235	38.31	38.31	92.2	-20.0	4.235	-1	84.62	145.33	119.77
-12.6	4.24	27.09	27.09	92.3	-12.6	4.24	-1.01	84.72	157.20	119.94
3.2	4.245	26.58	26.58	92.4	3.2	4.245	-1.01	84.82	163.38	120.12
-12.8	4.25	29.23	29.23	92.5	-12.8	4.25	-1.01	84.92	164.80	120.30
-34.0	4.255	32.04	32.04	92.6	-34.0	4.255	-0.99	85.02	166.70	120.47
-16.4	4.26	34.59	34.59	92.7	-16.4	4.26	-0.98	85.12	165.75	120.65
-16.0	4.265	37.12	37.12	92.8	-16.0	4.265	-0.97	85.22	163.85	120.82
4.0	4.27	41.59	41.59	92.9	4.0	4.27	-0.96	85.32	161.95	121.00
10.6	4.275	43.28	43.28	93	10.6	4.275	-0.96	85.42	160.05	121.17
9.5	4.28	44.97	44.97	93.1	9.5	4.28	-0.96	85.52	158.80	121.34
-8.8	4.285	46.65	46.65	93.2	-8.8	4.285	-0.97	85.62	162.00	121.51
-16.3	4.29	48.82	48.82	93.3	-16.3	4.29	-0.98	85.72	164.50	121.69
-7.2	4.295	51.50	51.50	93.4	-7.2	4.295	-0.99	85.82	170.20	121.86
0.4	4.3	48.00	48.00	93.5	0.4	4.3	-1.01	85.92	171.15	122.03
-10.7	4.305	44.77	44.77	93.6	-10.7	4.305	-1.04	86.02	172.10	122.20
-17.0	4.31	46.85	46.85	93.7	-17.0	4.31	-1.06	86.12	174.10	122.37
3.2	4.315	48.94	48.94	93.8	3.2	4.315	-1.09	86.22	174.10	122.54
14.4	4.32	51.03	51.03	93.9	14.4	4.32	-1.11	86.32	174.10	122.71
8.0	4.325	53.11	53.11	94	8.0	4.325	-1.14	86.42	174.10	122.89
16.8	4.33	55.20	55.20	94.1	16.8	4.33	-1.16	86.52	171.25	123.06
4.0	4.335	57.28	57.28	94.2	4.0	4.335	-1.18	86.62	168.40	123.23
0.5	4.34	59.37	59.37	94.3	0.5	4.34	-1.19	86.72	167.93	123.40
4.0	4.345	61.46	61.46	94.4	4.0	4.345	-1.2	86.82	167.45	123.57
-14.9	4.35	63.54	63.54	94.5	-14.9	4.35	-1.2	86.92	164.70	123.74
-2.4	4.355		38.00	94.6	-2.4	4.355	-1.2	87.02	164.70	123.91
-10.9	4.36	47.74	47.74	94.7	-10.9	4.36	-1.18	87.12	165.65	124.09
-7.7	4.365	51.70	51.70	94.8	-7.7	4.365	-1.15	87.22	166.60	124.26
2.7	4.37	55.30	55.30	94.9	2.7	4.37	-1.12	87.32	170.00	124.43
-22.4	4.375	58.89	58.89	95	-22.4	4.375	-1.08	87.42	176.10	124.60
-8.0	4.38	61.43	61.43	95.1	-8.0	4.38	-1.03	87.52	181.90	124.77
-8.8	4.385	62.83	62.83	95.2	-8.8	4.385	-0.99	87.62	181.43	124.94
-6.4	4.39	64.24	64.24	95.3	-6.4	4.39	-0.95	87.72	180.95	125.11
-2.7	4.395	65.65	65.65	95.4	-2.7	4.395	-0.92	87.82	178.10	125.29
-17.3	4.4	67.05	67.05	95.5	-17.3	4.4	-0.9	87.92	174.30	125.46
-0.4	4.405	68.46	68.46	95.6	-0.4	4.405	-0.88	88.02	171.45	125.63
-3.2	4.41	69.87	69.87	95.7	-3.2	4.41	-0.86	88.12	168.60	125.80

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16.0	4.415	71.27	71.27	95.8	16.0	4.415	-0.85	88.22	168.60	125.97
-21.1	4.42		70.00	95.9	-21.1	4.42	-0.84	88.32	170.55	126.14
-2.0	4.425		66.00	96	-2.0	4.425	-0.84	88.42	172.50	126.31
11.2	4.43		60.00	96.1	11.2	4.43	-0.83	88.52	174.40	126.49
-1.4	4.435		54.00	96.2	-1.4	4.435	-0.82	88.62	177.25	126.66
13.9	4.44		44.00	96.3	13.9	4.44	-0.81	88.72	180.10	126.83
-3.2	4.445		75.00	96.4	-3.2	4.445	-0.8	88.82	180.10	127.00
-8.0	4.45		70.00	96.5	-8.0	4.45	-0.8	88.92	177.25	127.11
18.8	4.455		40.00	96.6	18.8	4.455	-0.79	89.02	174.40	127.22
3.0	4.46		30.00	96.7	3.0	4.46	-0.78	89.12	170.60	127.33
7.5	4.465		27.00	96.8	7.5	4.465	-0.77	89.22	163.00	127.44
15.4	4.47		30.00	96.9	15.4	4.47	-0.77	89.32	162.10	127.56
14.2	4.475		37.00	97	14.2	4.475	-0.76	89.42	161.20	127.67
5.3	4.48	38.47	38.47	97.1	5.3	4.48	-0.75	89.52	163.10	127.78
20.8	4.485	38.67	38.67	97.2	20.8	4.485	-0.74	89.62	166.90	127.89
1.6	4.49	38.87	38.87	97.3	1.6	4.49	-0.74	89.72	167.85	128.00
0.4	4.495	40.76	40.76	97.4	0.4	4.495	-0.73	89.82	168.80	128.11
-2.4	4.5	48.67	48.67	97.5	-2.4	4.5	-0.72	89.92	170.70	128.22
-3.6	4.505	56.34	56.34	97.6	-3.6	4.505	-0.71	90.02	168.90	128.33
-3.2	4.51	54.14	54.14	97.7	-3.2	4.51	-0.71	90.12	165.10	128.44
-17.6	4.515	51.94	51.94	97.8	-17.6	4.515	-0.7	90.22	161.30	128.56
-19.2	4.52	49.74	49.74	97.9	-19.2	4.52	-0.69	90.32	153.70	128.67
1.3	4.525	39.13	39.13	98	1.3	4.525	-0.68	90.42	146.10	128.78
9.6	4.53	37.99	37.99	98.1	9.6	4.53	-0.68	90.52	138.50	128.89
-2.4	4.535	36.86	36.86	98.2	-2.4	4.535	-0.68	90.62	135.65	129.00
-3.2	4.54	35.73	35.73	98.3	-3.2	4.54	-0.68	90.72	132.80	129.11
-6.4	4.545	35.74	35.74	98.4	-6.4	4.545	-0.68	90.82	134.70	129.22
-8.4	4.55				-8.4	4.55	-0.69	90.92	136.60	129.33
-24.0	4.555				-24.0	4.555	-0.7	91.02	138.50	129.44
-21.2	4.56				-21.2	4.56	-0.72	91.12	142.30	129.56
-15.2	4.565				-15.2	4.565	-0.74	91.22	143.30	129.67
-13.6	4.57				-13.6	4.57	-0.76	91.32	144.30	129.78
-12.0	4.575				-12.0	4.575	-0.78	91.42	144.30	129.89
-10.1	4.58				-10.1	4.58	-0.8	91.52	141.45	130.00
2.4	4.585				2.4	4.585	-0.81	91.62	136.70	130.11
-10.8	4.59				-10.8	4.59	-0.82	91.72	127.20	130.22
-31.2	4.595				-31.2	4.595	-0.83	91.82	128.00	130.33
-12.0	4.6				-12.0	4.6	-0.84	91.92	129.10	130.44
0.8	4.605				0.8	4.605	-0.86	92.02	132.90	130.56
-16.8	4.61				-16.8	4.61	-0.87	92.12	132.95	130.67
-18.0	4.615				-18.0	4.615	-0.9	92.22	133.00	130.78
-4.4	4.62				-4.4	4.62	-0.92	92.32	131.40	130.89
2.4	4.625				2.4	4.625	-0.95	92.42	127.90	131.00
-18.7	4.63				-18.7	4.63	-0.98	92.52	122.20	131.11
-21.1	4.635				-21.1	4.635	-1.02	92.62	116.50	131.22
-7.2	4.64				-7.2	4.64	-1.05	92.72	112.70	131.33
-7.2	4.645				-7.2	4.645	-1.09	92.82	112.70	131.44
3.5	4.65				3.5	4.65	-1.13	92.92	114.60	131.56
-1.1	4.655				-1.1	4.655	-1.16	93.02	115.55	131.67
8.8	4.66				8.8	4.66	-1.2	93.12	116.50	131.78
-5.1	4.665				-5.1	4.665	-1.24	93.22	116.50	131.89
-37.6	4.67				-37.6	4.67	-1.27	93.32	114.60	132.00
-8.8	4.675				-8.8	4.675	-1.29	93.42	111.75	132.07
-27.2	4.68				-27.2	4.68	-1.29	93.52	108.90	132.14
-7.0	4.685				-7.0	4.685	-1.28	93.62	107.00	132.21
-18.8	4.69				-18.8	4.69	-1.25	93.72	104.15	132.29
-18.4	4.695				-18.4	4.695	-1.2	93.82	101.30	132.36
-5.6	4.7				-5.6	4.7	-1.14	93.92	98.44	132.43
-20.8	4.705				-20.8	4.705	-1.08	94.02	95.58	132.50
-28.0	4.71				-28.0	4.71	-1.02	94.12	95.58	132.57
-27.4	4.715				-27.4	4.715	-0.96	94.22	94.40	132.64
-33.3	4.72				-33.3	4.72	-0.9	94.32	94.40	132.71
-7.2	4.725				-7.2	4.725	-0.85	94.42	94.40	132.79
-5.3	4.73				-5.3	4.73	-0.79	94.52	95.04	132.86
-29.6	4.735				-29.6	4.735	-0.74	94.62	96.31	132.93
4.8	4.74				4.8	4.74	-0.67	94.72	97.45	133.00
-10.4	4.745				-10.4	4.745	-0.6	94.82	98.53	133.07
-30.4	4.75				-30.4	4.75	-0.53	94.92	100.10	133.14

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-31.3	4.755				-31.3	4.755	-0.46	95.02	100.42	133.21
-16.3	4.76				-16.3	4.76	-0.39	95.12	102.00	133.29
-7.6	4.765				-7.6	4.765	-0.32	95.22	102.00	133.36
5.6	4.77				5.6	4.77	-0.27	95.32	102.00	133.43
-9.0	4.775				-9.0	4.775	-0.24	95.42	102.00	133.50
-1.0	4.78				-1.0	4.78	-0.22	95.52	102.00	133.57
-4.8	4.785				-4.8	4.785	-0.23	95.62	100.86	133.64
-23.0	4.79				-23.0	4.79	-0.26	95.72	100.10	133.71
-9.6	4.795				-9.6	4.795	-0.31	95.82	100.10	133.79
-7.2	4.8				-7.2	4.8	-0.36	95.92	98.21	133.86
21.3	4.805				21.3	4.805	-0.43	96.02	96.69	133.93
12.0	4.81				12.0	4.81	-0.49	96.12	96.31	134.00
12.3	4.815				12.3	4.815	-0.54	96.22	94.40	134.07
12.6	4.82				12.6	4.82	-0.58	96.32	92.98	134.14
-30.4	4.825				-30.4	4.825	-0.62	96.42	90.60	134.21
-45.6	4.83				-45.6	4.83	-0.64	96.52	88.69	134.29
-38.4	4.835				-38.4	4.835	-0.67	96.62	87.27	134.36
-7.6	4.84				-7.6	4.84	-0.69	96.72	83.74	134.43
-8.0	4.845				-8.0	4.845	-0.7	96.82	80.61	134.50
-4.8	4.85				-4.8	4.85	-0.72	96.92	77.75	134.57
-1.6	4.855				-1.6	4.855	-0.72	97.02	74.61	134.64
-11.2	4.86				-11.2	4.86	-0.72	97.12	70.93	134.71
-23.6	4.865				-23.6	4.865	-0.71	97.22	67.28	134.79
-42.8	4.87				-42.8	4.87	-0.69	97.32	62.05	134.86
-48.4	4.875				-48.4	4.875	-0.66	97.42	56.34	134.93
-40.4	4.88				-40.4	4.88	-0.64	97.52	48.72	135.00
-41.6	4.885				-41.6	4.885	-0.61	97.62	37.30	135.07
-11.2	4.89				-11.2	4.89	-0.6	97.72	16.36	135.14
4.0	4.895				4.0	4.895	-0.59	97.82	0.19	135.21
-4.0	4.9				-4.0	4.9	-0.6	97.92	-8.85	135.29
-10.1	4.905				-10.1	4.905	-0.61	98.02	-10.28	135.36
-12.8	4.91				-12.8	4.91	-0.63	98.12	-10.28	135.43
-5.6	4.915				-5.6	4.915	-0.64	98.22	-10.28	135.50
-3.2	4.92				-3.2	4.92	-0.65	98.32	21.70	135.57
-18.4	4.925				-18.4	4.925	-0.66	98.42	55.70	135.64
-21.6	4.93				-21.6	4.93	-0.66	98.52	86.16	135.71
-20.0	4.935				-20.0	4.935	-0.65	98.62	91.87	135.79
-10.4	4.94				-10.4	4.94	-0.64	98.72	95.36	135.86
-4.4	4.945				-4.4	4.945	-0.64	98.82	98.59	135.93
-14.6	4.95				-14.6	4.95	-0.63	98.92	100.73	136.00
-21.6	4.955				-21.6	4.955	-0.64	99.02	102.95	136.07
3.0	4.96				3.0	4.96	-0.64	99.12	103.90	136.14
-18.4	4.965				-18.4	4.965	-0.65	99.22	105.17	136.21
1.1	4.97				1.1	4.97	-0.67	99.32	105.80	136.29
3.7	4.975				3.7	4.975	-0.68	99.42	106.18	136.36
9.9	4.98				9.9	4.98	-0.7	99.52	107.70	136.43
-0.8	4.985				-0.8	4.985	-0.72	99.62	107.32	136.50
4.3	4.99				4.3	4.99	-0.73	99.72	105.33	136.57
-3.4	4.995				-3.4	4.995	-0.75	99.82	100.10	136.64
-7.2	5				-7.2	5	-0.77	99.92	92.50	136.71
-6.2	5.005				-6.2	5.005			79.18	136.79
-19.2	5.01				-19.2	5.01			62.05	136.86
0.0	5.015				0.0	5.015			46.82	136.93
-1.0	5.02				-1.0	5.02			35.40	137.00
5.0	5.025				5.0	5.025			30.64	137.24
4.3	5.03				4.3	5.03			29.69	137.48
-2.4	5.035				-2.4	5.035			29.69	137.72
-22.1	5.04				-22.1	5.04			32.35	137.96
-28.8	5.045				-28.8	5.045			60.46	138.20
-19.5	5.05				-19.5	5.05			88.05	138.44
-11.7	5.055				-11.7	5.055			114.35	138.68
-12.6	5.06				-12.6	5.06			118.72	138.92
-8.0	5.065				-8.0	5.065			119.10	139.16
-4.3	5.07				-4.3	5.07			119.10	139.40
-10.2	5.075				-10.2	5.075			122.05	139.64
-4.5	5.08				-4.5	5.08			124.27	139.88
12.6	5.085				12.6	5.085			126.48	140.12
-5.6	5.09				-5.6	5.09			128.32	140.36

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
16.0	5.095				16.0	5.095			130.28	140.60
6.0	5.1				6.0	5.1			131.87	140.84
25.6	5.105				25.6	5.105			134.40	141.08
-4.0	5.11				-4.0	5.11			136.30	141.32
-17.6	5.115				-17.6	5.115			137.82	141.56
-2.4	5.12				-2.4	5.12			139.15	141.80
4.0	5.125				4.0	5.125			141.05	142.04
16.0	5.13				16.0	5.13			142.00	142.28
26.8	5.135				26.8	5.135			142.00	142.52
6.4	5.14				6.4	5.14			143.58	142.76
3.2	5.145				3.2	5.145			143.90	143.00
-3.2	5.15				-3.2	5.15			143.90	143.24
-5.6	5.155				-5.6	5.155			143.90	143.48
-23.2	5.16				-23.2	5.16			143.90	143.72
-24.8	5.165				-24.8	5.165			143.14	143.96
3.2	5.17				3.2	5.17			140.58	144.20
13.6	5.175				13.6	5.175			136.93	144.33
-2.2	5.18				-2.2	5.18			126.18	144.46
1.6	5.185				1.6	5.185			120.38	144.59
2.4	5.19				2.4	5.19			117.24	144.72
7.6	5.195				7.6	5.195			116.77	144.85
8.0	5.2				8.0	5.2			118.10	144.98
8.7	5.205				8.7	5.205			119.43	145.11
1.8	5.21				1.8	5.21			122.93	145.24
2.4	5.215				2.4	5.215			125.37	145.37
2.4	5.22				2.4	5.22			128.00	145.50
-7.7	5.225				-7.7	5.225			128.08	145.63
-6.2	5.23				-6.2	5.23			128.10	145.76
-4.6	5.235				-4.6	5.235			128.17	145.89
-4.8	5.24				-4.8	5.24			127.88	146.02
-27.2	5.245				-27.2	5.245			125.16	146.15
2.8	5.25				2.8	5.25			121.93	146.28
14.4	5.255				14.4	5.255			116.63	146.41
8.4	5.26				8.4	5.26			110.35	146.54
5.2	5.265				5.2	5.265			104.58	146.67
0.8	5.27				0.8	5.27			98.78	146.80
-12.8	5.275				-12.8	5.275			95.41	146.93
2.8	5.28				2.8	5.28			93.51	147.06
11.2	5.285				11.2	5.285			91.61	147.19
16.8	5.29				16.8	5.29			91.65	147.32
3.0	5.295				3.0	5.295			93.09	147.45
-8.0	5.3				-8.0	5.3			94.34	147.58
3.2	5.305				3.2	5.305			97.91	147.71
7.5	5.31				7.5	5.31			103.53	147.84
16.8	5.315				16.8	5.315			112.47	147.97
10.4	5.32				10.4	5.32			124.40	148.10
22.4	5.325				22.4	5.325			133.44	148.23
48.8	5.33				48.8	5.33			136.80	148.36
3.8	5.335				3.8	5.335			136.87	148.49
-2.4	5.34				-2.4	5.34			134.97	148.62
-3.6	5.345				-3.6	5.345			125.75	148.75
12.0	5.35				12.0	5.35			109.73	148.88
-22.4	5.355				-22.4	5.355			91.60	149.01
0.0	5.36				0.0	5.36			86.45	149.14
-15.2	5.365				-15.2	5.365			86.50	149.27
-2.8	5.37				-2.8	5.37			89.79	149.40
-8.0	5.375				-8.0	5.375			104.67	149.53
-5.8	5.38				-5.8	5.38			127.20	149.66
8.8	5.385				8.8	5.385			143.70	149.79
9.1	5.39				9.1	5.39			147.10	149.92
13.6	5.395				13.6	5.395			147.14	150.05
17.6	5.4				17.6	5.4			145.25	150.18
11.2	5.405				11.2	5.405			139.47	150.31
-8.8	5.41				-8.8	5.41			124.90	150.44
-1.6	5.415				-1.6	5.415			101.89	150.57
-10.4	5.42				-10.4	5.42			81.55	150.70
10.4	5.425				10.4	5.425			79.26	150.73
13.6	5.43				13.6	5.43			102.40	150.77

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3.2	5.435				3.2	5.435			136.47	150.80
6.4	5.44				6.4	5.44			154.37	150.84
8.5	5.445				8.5	5.445			159.59	150.87
0.0	5.45				0.0	5.45			162.27	150.90
-20.0	5.455				-20.0	5.455			164.11	150.94
38.0	5.46				38.0	5.46			165.30	150.97
-1.2	5.465				-1.2	5.465			165.30	151.01
4.8	5.47				4.8	5.47			165.38	151.04
38.4	5.475				38.4	5.475			165.40	151.07
7.6	5.48				7.6	5.48			165.06	151.11
26.4	5.485				26.4	5.485			163.22	151.14
0.4	5.49				0.4	5.49			159.70	151.18
0.0	5.495				0.0	5.495			153.23	151.21
-0.8	5.5				-0.8	5.5			142.75	151.24
3.6	5.505				3.6	5.505			131.27	151.28
0.0	5.51				0.0	5.51			122.38	151.31
-0.8	5.515				-0.8	5.515			115.63	151.35
-7.2	5.52				-7.2	5.52			113.90	151.38
18.7	5.525				18.7	5.525			113.30	151.41
4.0	5.53				4.0	5.53			115.30	151.45
-10.1	5.535				-10.1	5.535			130.27	151.48
-20.8	5.54				-20.8	5.54			156.56	151.52
-18.4	5.545				-18.4	5.545			172.66	151.55
4.8	5.55				4.8	5.55			171.60	151.58
-11.6	5.555				-11.6	5.555			168.58	151.62
-30.4	5.56				-30.4	5.56			162.78	151.65
-16.0	5.565				-16.0	5.565			157.45	151.69
-35.2	5.57				-35.2	5.57			154.92	151.72
-12.8	5.575				-12.8	5.575			154.95	151.75
-10.4	5.58				-10.4	5.58			156.61	151.79
-19.2	5.585				-19.2	5.585			158.95	151.82
-16.4	5.59				-16.4	5.59			164.24	151.86
-11.2	5.595				-11.2	5.595			166.50	151.89
-20.8	5.6				-20.8	5.6			167.50	151.92
5.6	5.605				5.6	5.605			167.50	151.96
-27.2	5.61				-27.2	5.61			167.03	151.99
1.6	5.615				1.6	5.615			166.55	152.03
-23.2	5.62				-23.2	5.62			166.08	152.06
-7.2	5.625				-7.2	5.625			165.60	152.09
-16.0	5.63				-16.0	5.63			163.60	152.13
-20.0	5.635				-20.0	5.635			163.60	152.16
-14.4	5.64				-14.4	5.64			160.75	152.20
-15.2	5.645				-15.2	5.645			159.80	152.23
-22.4	5.65				-22.4	5.65			158.85	152.26
-28.8	5.655				-28.8	5.655			156.00	152.30
5.6	5.66				5.6	5.66			154.10	152.33
-6.4	5.665				-6.4	5.665			154.10	152.37
-12.0	5.67				-12.0	5.67			152.20	152.40
-32.0	5.675				-32.0	5.675			149.35	152.43
-25.6	5.68				-25.6	5.68			146.50	152.47
-30.9	5.685				-30.9	5.685			144.60	152.50
-36.0	5.69				-36.0	5.69			144.60	152.54
-27.2	5.695				-27.2	5.695			142.70	152.57
-8.8	5.7				-8.8	5.7			142.70	152.60
-15.2	5.705				-15.2	5.705			140.80	152.64
-41.5	5.71				-41.5	5.71			140.80	152.67
-44.5	5.715				-44.5	5.715			140.80	152.71
-32.0	5.72				-32.0	5.72			140.80	152.74
-2.4	5.725				-2.4	5.725			142.70	152.77
-32.0	5.73				-32.0	5.73			142.70	152.81
-6.4	5.735				-6.4	5.735			142.70	152.84
-7.2	5.74				-7.2	5.74			146.50	152.88
-12.0	5.745				-12.0	5.745			147.45	152.91
-4.0	5.75				-4.0	5.75			148.40	152.94
-13.6	5.755				-13.6	5.755			148.40	152.98
-4.8	5.76				-4.8	5.76			148.40	153.01
-18.4	5.765				-18.4	5.765			148.40	153.05
-1.6	5.77				-1.6	5.77			148.40	153.08

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-6.4	5.775				-6.4	5.775			145.55	153.11
1.2	5.78				1.2	5.78			142.70	153.15
-6.4	5.785				-6.4	5.785			137.95	153.18
-17.2	5.79				-17.2	5.79			135.10	153.22
8.0	5.795				8.0	5.795			132.25	153.25
3.2	5.8				3.2	5.8			131.78	153.28
-7.2	5.805				-7.2	5.805			131.30	153.32
-12.8	5.81				-12.8	5.81			131.30	153.35
-18.4	5.815				-18.4	5.815			132.25	153.39
-22.4	5.82				-22.4	5.82			133.20	153.42
-14.4	5.825				-14.4	5.825			135.10	153.45
-4.4	5.83				-4.4	5.83			137.95	153.49
-14.1	5.835				-14.1	5.835			140.80	153.52
-21.6	5.84				-21.6	5.84			139.38	153.56
-16.8	5.845				-16.8	5.845			137.95	153.59
-16.4	5.85				-16.4	5.85			136.98	153.62
-22.9	5.855				-22.9	5.855			136.00	153.66
-10.4	5.86				-10.4	5.86			133.10	153.69
-21.9	5.865				-21.9	5.865			131.20	153.73
-9.6	5.87				-9.6	5.87			126.45	153.76
-6.7	5.875				-6.7	5.875			123.60	153.79
-6.4	5.88				-6.4	5.88			118.85	153.83
-23.2	5.885				-23.2	5.885			116.00	153.86
-22.4	5.89				-22.4	5.89			112.20	153.90
-14.4	5.895				-14.4	5.895			112.20	153.93
-16.0	5.9				-16.0	5.9			111.73	153.96
-15.5	5.905				-15.5	5.905			111.25	154.00
-20.3	5.91				-20.3	5.91			110.78	154.03
-12.0	5.915				-12.0	5.915			110.30	154.07
-20.0	5.92				-20.0	5.92			110.30	154.10
-21.6	5.925				-21.6	5.925			111.25	154.19
-26.9	5.93				-26.9	5.93			112.20	154.28
-18.7	5.935				-18.7	5.935			114.10	154.37
-26.1	5.94				-26.1	5.94			116.00	154.45
-2.9	5.945				-2.9	5.945			117.90	154.54
-2.4	5.95				-2.4	5.95			119.80	154.63
-23.2	5.955				-23.2	5.955			119.80	154.72
-6.4	5.96				-6.4	5.96			120.75	154.81
-11.5	5.965				-11.5	5.965			121.70	154.90
-16.8	5.97				-16.8	5.97			121.70	154.98
-5.6	5.975				-5.6	5.975			121.70	155.07
-16.8	5.98				-16.8	5.98			121.70	155.16
12.8	5.985				12.8	5.985			121.70	155.25
-9.6	5.99				-9.6	5.99			119.80	155.34
-21.6	5.995				-21.6	5.995			119.80	155.43
18.4	6				18.4	6			116.95	155.51
-15.6	6.005				-15.6	6.005			114.10	155.60
-0.8	6.01				-0.8	6.01			113.63	155.69
8.0	6.015				8.0	6.015			113.15	155.78
-17.6	6.02				-17.6	6.02			112.68	155.87
-5.6	6.025				-5.6	6.025			112.20	155.96
-14.4	6.03				-14.4	6.03			114.10	156.04
-16.8	6.035				-16.8	6.035			116.00	156.13
-11.2	6.04				-11.2	6.04			117.90	156.22
-30.0	6.045				-30.0	6.045			117.90	156.31
-4.0	6.05				-4.0	6.05			119.80	156.40
-3.2	6.055				-3.2	6.055			119.80	156.49
26.4	6.06				26.4	6.06			119.80	156.57
-0.8	6.065				-0.8	6.065			119.80	156.66
-4.2	6.07				-4.2	6.07			119.33	156.75
16.0	6.075				16.0	6.075			118.85	156.84
3.2	6.08				3.2	6.08			114.10	156.93
1.6	6.085				1.6	6.085			112.20	157.02
16.0	6.09				16.0	6.09			112.10	157.10
-7.2	6.095				-7.2	6.095			114.00	157.19
-6.0	6.1				-6.0	6.1			115.90	157.28
-3.6	6.105				-3.6	6.105			117.80	157.37
-9.6	6.11				-9.6	6.11			117.80	157.46

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-9.6	6.115				-9.6	6.115			115.90	157.55
2.0	6.12				2.0	6.12			112.10	157.63
-24.8	6.125				-24.8	6.125			104.50	157.72
-41.9	6.13				-41.9	6.13			104.03	157.81
-34.1	6.135				-34.1	6.135			103.55	157.90
3.5	6.14				3.5	6.14			103.08	157.99
0.1	6.145				0.1	6.145			102.60	158.08
1.1	6.15				1.1	6.15			102.60	158.16
-4.3	6.155				-4.3	6.155			103.55	158.25
-5.1	6.16				-5.1	6.16			104.50	158.34
20.6	6.165				20.6	6.165			104.50	158.43
-0.3	6.17				-0.3	6.17			104.50	158.52
-6.8	6.175				-6.8	6.175			104.50	158.61
0.3	6.18				0.3	6.18			104.50	158.69
2.6	6.185				2.6	6.185			106.40	158.78
3.4	6.19				3.4	6.19			106.40	158.87
3.6	6.195				3.6	6.195			106.40	158.96
-21.4	6.2				-21.4	6.2			106.40	159.05
-16.0	6.205				-16.0	6.205			108.30	159.14
3.1	6.21				3.1	6.21			108.30	159.22
-0.2	6.215				-0.2	6.215			108.30	159.31
4.8	6.22				4.8	6.22			106.40	159.40
10.4	6.225				10.4	6.225			106.40	159.50
-5.3	6.23				-5.3	6.23			106.40	159.60
-12.3	6.235				-12.3	6.235			106.40	159.70
-22.0	6.24				-22.0	6.24			106.40	159.80
-10.3	6.245				-10.3	6.245			104.50	159.90
0.0	6.25				0.0	6.25			104.50	160.00
2.7	6.255				2.7	6.255			104.50	160.10
-1.7	6.26				-1.7	6.26			102.60	160.20
6.6	6.265				6.6	6.265			102.60	160.30
3.2	6.27				3.2	6.27			100.70	160.40
-8.6	6.275				-8.6	6.275			98.77	160.50
1.5	6.28				1.5	6.28			96.87	160.60
2.9	6.285				2.9	6.285			96.87	160.70
-3.6	6.29				-3.6	6.29			94.01	160.80
15.1	6.295				15.1	6.295			91.16	160.90
10.6	6.3				10.6	6.3			89.26	161.00
-0.8	6.305				-0.8	6.305			86.41	161.10
-1.5	6.31				-1.5	6.31			83.55	161.20
7.4	6.315				7.4	6.315			79.75	161.30
1.8	6.32				1.8	6.32			75.94	161.40
0.4	6.325				0.4	6.325			71.19	161.50
0.2	6.33				0.2	6.33			68.34	161.60
-7.0	6.335				-7.0	6.335			66.44	161.70
-2.4	6.34				-2.4	6.34			62.63	161.80
8.2	6.345				8.2	6.345			61.21	161.90
16.3	6.35				16.3	6.35			59.78	162.00
14.9	6.355				14.9	6.355			59.30	162.10
18.0	6.36				18.0	6.36			58.82	162.20
-3.3	6.365				-3.3	6.365			56.92	162.30
-1.4	6.37				-1.4	6.37			56.92	162.40
7.6	6.375				7.6	6.375			56.92	162.50
10.4	6.38				10.4	6.38			57.87	162.60
16.0	6.385				16.0	6.385			58.81	162.70
3.7	6.39				3.7	6.39			58.81	162.80
5.4	6.395				5.4	6.395			60.71	162.90
2.3	6.4				2.3	6.4			62.61	163.00
-2.5	6.405				-2.5	6.405			64.51	163.10
6.0	6.41				6.0	6.41			68.31	163.20
7.4	6.415				7.4	6.415			68.31	163.30
12.3	6.42				12.3	6.42			68.30	163.40
12.4	6.425				12.4	6.425			70.20	163.50
11.2	6.43				11.2	6.43			69.73	163.60
8.1	6.435				8.1	6.435			69.25	163.70
7.9	6.44				7.9	6.44			68.30	163.80
-4.7	6.445				-4.7	6.445			67.34	163.90
-6.6	6.45				-6.6	6.45			64.49	164.00

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
4.0	6.455				4.0	6.455			62.59	164.10
-0.3	6.46				-0.3	6.46			59.73	164.20
5.5	6.465				5.5	6.465			54.98	164.30
-1.0	6.47				-1.0	6.47			52.13	164.40
2.1	6.475				2.1	6.475			49.27	164.46
2.4	6.48				2.4	6.48			47.37	164.52
-1.9	6.485				-1.9	6.485			42.62	164.58
5.3	6.49				5.3	6.49			39.76	164.64
-1.0	6.495				-1.0	6.495			35.01	164.70
-3.1	6.5				-3.1	6.5			32.16	164.76
-5.3	6.505				-5.3	6.505			30.26	164.82
-6.2	6.51				-6.2	6.51			30.25	164.88
6.4	6.515				6.4	6.515			28.35	164.94
0.9	6.52				0.9	6.52			28.35	165.00
-5.9	6.525				-5.9	6.525			30.25	165.06
5.0	6.53				5.0	6.53			32.15	165.12
7.3	6.535				7.3	6.535			35.95	165.18
2.6	6.54				2.6	6.54			39.75	165.24
-11.8	6.545				-11.8	6.545			43.55	165.30
-4.0	6.55				-4.0	6.55			51.15	165.36
2.2	6.555				2.2	6.555			54.94	165.42
-2.5	6.56				-2.5	6.56			55.89	165.48
-4.2	6.565				-4.2	6.565			56.84	165.54
-0.8	6.57				-0.8	6.57			56.84	165.60
0.5	6.575				0.5	6.575			54.94	165.66
0.4	6.58				0.4	6.58			53.04	165.72
0.7	6.585				0.7	6.585			53.03	165.78
7.2	6.59				7.2	6.59			53.03	165.84
-1.6	6.595				-1.6	6.595			54.93	165.90
-5.9	6.6				-5.9	6.6			56.83	165.96
-4.0	6.605				-4.0	6.605			56.83	166.02
1.3	6.61				1.3	6.61			56.83	166.08
-3.5	6.615				-3.5	6.615			56.82	166.14
4.0	6.62				4.0	6.62			56.82	166.20
5.1	6.625				5.1	6.625			54.92	166.26
9.9	6.63				9.9	6.63			54.91	166.32
16.8	6.635				16.8	6.635			53.01	166.38
3.8	6.64				3.8	6.64			51.11	166.44
-9.0	6.645				-9.0	6.645			51.11	166.50
-8.8	6.65				-8.8	6.65			51.11	166.56
0.7	6.655				0.7	6.655			51.11	166.62
-1.8	6.66				-1.8	6.66			51.10	166.68
6.8	6.665				6.8	6.665			51.10	166.74
-5.1	6.67				-5.1	6.67			51.10	166.80
-3.9	6.675				-3.9	6.675			51.10	166.86
-0.9	6.68				-0.9	6.68			54.90	166.92
-2.6	6.685				-2.6	6.685			54.90	166.98
-4.3	6.69				-4.3	6.69			54.89	167.04
-1.5	6.695				-1.5	6.695			60.59	167.10
1.7	6.7				1.7	6.7			64.39	167.16
8.2	6.705				8.2	6.705			66.29	167.22
7.8	6.71				7.8	6.71			68.19	167.28
-0.4	6.715				-0.4	6.715			71.99	167.34
4.8	6.72				4.8	6.72			74.84	167.40
2.3	6.725				2.3	6.725			77.69	167.46
4.9	6.73				4.9	6.73			79.59	167.52
-5.3	6.735				-5.3	6.735			83.38	167.58
1.6	6.74				1.6	6.74			85.28	167.64
3.5	6.745				3.5	6.745			87.18	167.70
8.0	6.75				8.0	6.75			90.98	167.76
18.0	6.755				18.0	6.755			90.98	167.82
23.2	6.76				23.2	6.76			90.98	167.88
11.5	6.765				11.5	6.765			94.78	167.94
5.7	6.77				5.7	6.77			94.78	168.00
4.6	6.775				4.6	6.775			94.77	168.06
0.0	6.78				0.0	6.78			96.67	168.12
-7.7	6.785				-7.7	6.785			96.67	168.18
2.9	6.79				2.9	6.79			97.62	168.24

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
6.1	6.795				6.1	6.795			98.57	168.30
-5.2	6.8				-5.2	6.8			98.56	168.36
-1.2	6.805				-1.2	6.805			98.56	168.42
-1.3	6.81				-1.3	6.81			98.56	168.48
1.9	6.815				1.9	6.815			98.56	168.54
16.4	6.82				16.4	6.82			98.56	168.60
2.4	6.825				2.4	6.825			98.56	168.66
5.4	6.83				5.4	6.83			98.55	168.72
0.0	6.835				0.0	6.835			98.55	168.78
14.1	6.84				14.1	6.84			96.65	168.84
10.5	6.845				10.5	6.845			96.65	168.90
-0.5	6.85				-0.5	6.85			96.17	168.96
-16.8	6.855				-16.8	6.855			95.69	169.02
-10.3	6.86				-10.3	6.86			95.22	169.08
-7.8	6.865				-7.8	6.865			94.74	169.14
2.0	6.87				2.0	6.87			94.74	169.20
19.3	6.875				19.3	6.875			92.83	169.32
-3.7	6.88				-3.7	6.88			92.83	169.44
-0.8	6.885				-0.8	6.885			90.93	169.57
-7.0	6.89				-7.0	6.89			90.93	169.69
-6.6	6.895				-6.6	6.895			90.93	169.81
-16.1	6.9				-16.1	6.9			90.92	169.93
3.9	6.905				3.9	6.905			89.02	170.05
-4.3	6.91				-4.3	6.91			90.92	170.17
1.9	6.915				1.9	6.915			90.92	170.30
7.6	6.92				7.6	6.92			90.92	170.42
10.1	6.925				10.1	6.925			90.91	170.54
5.4	6.93				5.4	6.93			92.81	170.66
-2.8	6.935				-2.8	6.935			92.81	170.78
-4.8	6.94				-4.8	6.94			92.81	170.90
-4.1	6.945				-4.1	6.945			94.71	171.03
-7.9	6.95				-7.9	6.95			92.80	171.15
5.2	6.955				5.2	6.955			92.80	171.27
14.0	6.96				14.0	6.96			90.90	171.39
16.7	6.965				16.7	6.965			88.05	171.51
12.5	6.97				12.5	6.97			87.57	171.63
0.8	6.975				0.8	6.975			87.09	171.76
5.6	6.98				5.6	6.98			84.24	171.88
-0.1	6.985				-0.1	6.985			79.49	172.00
8.9	6.99				8.9	6.99			79.48	172.12
8.3	6.995				8.3	6.995			77.58	172.24
16.7	7				16.7	7			74.73	172.36
3.0	7.005				3.0	7.005			74.25	172.49
-5.6	7.01				-5.6	7.01			73.77	172.61
-3.8	7.015				-3.8	7.015			71.87	172.73
2.3	7.02				2.3	7.02			71.87	172.85
-2.6	7.025				-2.6	7.025			71.87	172.97
-3.9	7.03				-3.9	7.03			69.96	173.09
-11.2	7.035				-11.2	7.035			69.96	173.22
-1.3	7.04				-1.3	7.04			69.96	173.34
7.6	7.045				7.6	7.045			69.96	173.46
-15.4	7.05				-15.4	7.05			69.96	173.58
-1.9	7.055				-1.9	7.055			69.96	173.70
-0.7	7.06				-0.7	7.06			69.95	173.82
-0.4	7.065				-0.4	7.065			71.85	173.95
6.8	7.07				6.8	7.07			71.85	174.07
7.6	7.075				7.6	7.075			71.85	174.19
8.0	7.08				8.0	7.08			75.65	174.31
13.4	7.085				13.4	7.085			77.54	174.43
6.9	7.09				6.9	7.09			78.49	174.55
-4.7	7.095				-4.7	7.095			79.44	174.68
-8.9	7.1				-8.9	7.1			81.34	174.80
-7.4	7.105				-7.4	7.105			82.29	174.92
1.6	7.11				1.6	7.11			83.24	175.04
8.2	7.115				8.2	7.115			85.14	175.16
4.5	7.12				4.5	7.12			85.13	175.28
0.8	7.125				0.8	7.125			88.69	175.41
-2.9	7.13				-2.9	7.13			90.58	175.53

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-6.6	7.135				-6.6	7.135			90.58	175.65
-6.3	7.14				-6.3	7.14			90.57	175.77
-6.3	7.145				-6.3	7.145			90.56	175.89
3.4	7.15				3.4	7.15			90.55	176.01
7.5	7.155				7.5	7.155			88.64	176.14
6.3	7.16				6.3	7.16			88.64	176.26
16.2	7.165				16.2	7.165			88.63	176.38
9.9	7.17				9.9	7.17			88.62	176.50
-2.4	7.175				-2.4	7.175			86.71	176.55
-7.0	7.18				-7.0	7.18			86.70	176.59
-10.4	7.185				-10.4	7.185			84.80	176.64
1.1	7.19				1.1	7.19			84.79	176.68
14.0	7.195				14.0	7.195			82.88	176.73
17.6	7.2				17.6	7.2			80.97	176.77
20.0	7.205				20.0	7.205			80.96	176.82
14.1	7.21				14.1	7.21			78.10	176.86
11.3	7.215				11.3	7.215			75.23	176.91
-0.3	7.22				-0.3	7.22			73.33	176.95
-4.7	7.225				-4.7	7.225			73.32	177.00
0.5	7.23				0.5	7.23			71.41	177.04
0.5	7.235				0.5	7.235			68.55	177.09
4.7	7.24				4.7	7.24			65.68	177.13
17.6	7.245				17.6	7.245			63.77	177.18
9.6	7.25				9.6	7.25			60.92	177.22
6.2	7.255				6.2	7.255			58.05	177.27
-5.6	7.26				-5.6	7.26			58.04	177.31
-4.0	7.265				-4.0	7.265			56.13	177.36
0.8	7.27				0.8	7.27			54.22	177.40
4.8	7.275				4.8	7.275			51.36	177.45
10.0	7.28				10.0	7.28			48.50	177.49
6.6	7.285				6.6	7.285			46.59	177.54
2.3	7.29				2.3	7.29			46.58	177.58
-0.5	7.295				-0.5	7.295			44.67	177.63
0.0	7.3				0.0	7.3			41.81	177.67
1.6	7.305				1.6	7.305			38.94	177.72
2.0	7.31				2.0	7.31			38.93	177.76
10.5	7.315				10.5	7.315			37.03	177.81
12.8	7.32				12.8	7.32			35.12	177.85
16.0	7.325				16.0	7.325			35.11	177.90
11.8	7.33				11.8	7.33			33.20	177.94
4.6	7.335				4.6	7.335			30.34	177.99
-1.6	7.34				-1.6	7.34			29.38	178.03
-6.8	7.345				-6.8	7.345			28.42	178.08
4.6	7.35				4.6	7.35			25.56	178.12
6.4	7.355				6.4	7.355			25.08	178.17
10.8	7.36				10.8	7.36			24.60	178.21
16.0	7.365				16.0	7.365			23.64	178.26
8.8	7.37				8.8	7.37			22.68	178.30
8.9	7.375				8.9	7.375			22.19	178.35
7.8	7.38				7.8	7.38			21.71	178.39
2.0	7.385				2.0	7.385			21.70	178.44
2.8	7.39				2.8	7.39			21.22	178.48
4.9	7.395				4.9	7.395			20.74	178.53
-0.8	7.4				-0.8	7.4			20.25	178.57
-1.8	7.405				-1.8	7.405			19.77	178.62
-1.4	7.41				-1.4	7.41			19.76	178.66
2.1	7.415				2.1	7.415			19.76	178.71
6.5	7.42				6.5	7.42			19.75	178.75
10.3	7.425				10.3	7.425			19.74	178.80
14.3	7.43				14.3	7.43			20.69	178.84
16.9	7.435				16.9	7.435			21.63	178.89
8.8	7.44				8.8	7.44			21.62	178.93
0.8	7.445				0.8	7.445			23.52	178.98
-2.7	7.45				-2.7	7.45			24.47	179.02
-2.6	7.455				-2.6	7.455			25.41	179.07
-7.7	7.46				-7.7	7.46			29.21	179.11
-10.9	7.465				-10.9	7.465			30.16	179.16
-8.4	7.47				-8.4	7.47			31.10	179.20

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
-8.6	7.475				-8.6	7.475			34.90	179.25
-5.7	7.48				-5.7	7.48			40.60	179.29
-5.8	7.485				-5.8	7.485			40.60	179.34
-4.3	7.49				-4.3	7.49			40.59	179.38
-9.8	7.495				-9.8	7.495			44.38	179.43
-7.8	7.5				-7.8	7.5			45.33	179.47
-1.5	7.505				-1.5	7.505			46.28	179.52
2.4	7.51				2.4	7.51			46.27	179.56
4.7	7.515				4.7	7.515			46.27	179.61
7.3	7.52				7.3	7.52			46.26	179.65
11.2	7.525				11.2	7.525			46.25	179.70
12.3	7.53				12.3	7.53			46.24	179.74
8.2	7.535				8.2	7.535			46.24	179.79
5.7	7.54				5.7	7.54			46.23	179.83
4.0	7.545				4.0	7.545			46.22	179.88
2.5	7.55				2.5	7.55			44.31	179.92
-1.6	7.555				-1.6	7.555			44.30	179.97
4.6	7.56				4.6	7.56			44.30	180.01
0.8	7.565				0.8	7.565			44.29	180.06
3.5	7.57				3.5	7.57			44.28	180.10
0.8	7.575				0.8	7.575			45.23	180.24
2.5	7.58				2.5	7.58			46.17	180.37
-7.2	7.585				-7.2	7.585			46.16	180.51
-0.6	7.59				-0.6	7.59			47.11	180.64
-3.0	7.595				-3.0	7.595			48.06	180.78
-8.4	7.6				-8.4	7.6			51.85	180.91
-1.6	7.605				-1.6	7.605			55.65	181.05
2.1	7.61				2.1	7.61			56.60	181.19
11.8	7.615				11.8	7.615			57.54	181.32
7.7	7.62				7.7	7.62			61.34	181.46
-4.8	7.625				-4.8	7.625			61.34	181.59
-6.3	7.63				-6.3	7.63			61.33	181.73
-14.6	7.635				-14.6	7.635			63.22	181.86
-12.1	7.64				-12.1	7.64			63.21	182.00
-15.3	7.645				-15.3	7.645			61.30	182.14
-8.0	7.65				-8.0	7.65			61.30	182.27
-3.3	7.655				-3.3	7.655			61.29	182.41
5.1	7.66				5.1	7.66			61.28	182.54
9.5	7.665				9.5	7.665			59.38	182.68
7.1	7.67				7.1	7.67			63.17	182.81
-0.6	7.675				-0.6	7.675			63.17	182.95
0.5	7.68				0.5	7.68			63.16	183.09
-7.3	7.685				-7.3	7.685			66.96	183.22
-5.6	7.69				-5.6	7.69			66.95	183.36
-12.9	7.695				-12.9	7.695			67.90	183.49
-2.3	7.7				-2.3	7.7			68.84	183.63
-0.6	7.705				-0.6	7.705			68.83	183.76
0.8	7.71				0.8	7.71			68.35	183.90
10.5	7.715				10.5	7.715			67.87	184.04
6.5	7.72				6.5	7.72			67.38	184.17
4.0	7.725				4.0	7.725			66.90	184.31
14.1	7.73				14.1	7.73			63.09	184.44
-4.3	7.735				-4.3	7.735			62.13	184.58
-4.4	7.74				-4.4	7.74			61.17	184.71
-3.9	7.745				-3.9	7.745			61.16	184.85
0.9	7.75				0.9	7.75			64.96	184.99
12.8	7.755				12.8	7.755			64.96	185.12
2.2	7.76				2.2	7.76			64.95	185.26
2.0	7.765				2.0	7.765			66.84	185.39
-4.2	7.77				-4.2	7.77			67.79	185.53
6.2	7.775				6.2	7.775			68.74	185.66
7.2	7.78				7.2	7.78			68.73	185.80
12.5	7.785				12.5	7.785			68.73	185.94
7.2	7.79				7.2	7.79			68.72	186.07
-3.1	7.795				-3.1	7.795			68.71	186.21
-16.3	7.8				-16.3	7.8			68.70	186.34
-4.9	7.805				-4.9	7.805			66.79	186.48
-14.2	7.81				-14.2	7.81			64.88	186.61

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-2.3	7.815				-2.3	7.815			64.87	186.75
-2.0	7.82				-2.0	7.82			61.06	186.89
-2.3	7.825				-2.3	7.825			57.25	187.02
2.9	7.83				2.9	7.83			53.43	187.16
0.0	7.835				0.0	7.835			49.62	187.29
-2.9	7.84				-2.9	7.84			43.90	187.43
-3.2	7.845				-3.2	7.845			38.18	187.56
0.1	7.85				0.1	7.85			33.42	187.70
1.2	7.855				1.2	7.855			28.65	187.84
-0.9	7.86				-0.9	7.86			24.84	187.97
8.6	7.865				8.6	7.865			24.83	188.11
20.4	7.87				20.4	7.87			22.92	188.24
13.0	7.875				13.0	7.875			21.01	188.38
-3.8	7.88				-3.8	7.88			21.00	188.51
-0.9	7.885				-0.9	7.885			19.09	188.65
-6.6	7.89				-6.6	7.89			19.08	188.79
-11.9	7.895				-11.9	7.895			19.08	188.92
1.4	7.9				1.4	7.9			19.07	189.06
4.5	7.905				4.5	7.905			19.06	189.19
6.5	7.91				6.5	7.91			20.96	189.33
6.2	7.915				6.2	7.915			21.91	189.46
0.0	7.92				0.0	7.92			22.85	189.60
-2.4	7.925				-2.4	7.925			24.74	189.67
1.1	7.93				1.1	7.93			25.69	189.74
2.5	7.935				2.5	7.935			26.64	189.81
1.9	7.94				1.9	7.94			28.53	189.89
-3.0	7.945				-3.0	7.945			29.48	189.96
3.9	7.95				3.9	7.95			30.42	190.03
12.0	7.955				12.0	7.955			32.32	190.10
-0.1	7.96				-0.1	7.96			36.11	190.17
4.1	7.965				4.1	7.965			37.06	190.24
12.4	7.97				12.4	7.97			38.01	190.31
0.3	7.975				0.3	7.975			38.00	190.38
-1.1	7.98				-1.1	7.98			36.09	190.46
-4.4	7.985				-4.4	7.985			36.08	190.53
-7.6	7.99				-7.6	7.99			34.17	190.60
-5.4	7.995				-5.4	7.995			34.17	190.67
-4.8	8				-4.8	8			34.16	190.74
-2.4	8.005				-2.4	8.005			34.15	190.81
11.5	8.01				11.5	8.01			37.95	190.88
5.6	8.015				5.6	8.015			37.95	190.95
-9.6	8.02				-9.6	8.02			37.94	191.03
-4.3	8.025				-4.3	8.025			41.73	191.10
-1.8	8.03				-1.8	8.03			41.25	191.17
-4.7	8.035				-4.7	8.035			40.77	191.24
-2.0	8.04				-2.0	8.04			36.00	191.31
3.3	8.045				3.3	8.045			28.39	191.38
9.5	8.05				9.5	8.05			28.38	191.45
10.3	8.055				10.3	8.055			30.28	191.52
0.7	8.06				0.7	8.06			32.17	191.60
-4.3	8.065				-4.3	8.065			37.87	191.67
-7.1	8.07				-7.1	8.07			41.67	191.74
-6.0	8.075				-6.0	8.075			43.57	191.81
-5.0	8.08				-5.0	8.08			45.47	191.88
-7.9	8.085				-7.9	8.085			45.46	191.95
-6.5	8.09				-6.5	8.09			46.41	192.02
-3.4	8.095				-3.4	8.095			47.35	192.09
-13.5	8.1				-13.5	8.1			47.34	192.17
-17.8	8.105				-17.8	8.105			45.43	192.24
-11.6	8.11				-11.6	8.11			45.42	192.31
-9.9	8.115				-9.9	8.115			45.42	192.38
-10.2	8.12				-10.2	8.12			45.41	192.45
-0.3	8.125				-0.3	8.125			45.40	192.52
0.6	8.13				0.6	8.13			43.49	192.59
-7.9	8.135				-7.9	8.135			43.48	192.66
-22.5	8.14				-22.5	8.14			43.48	192.74
-18.7	8.145				-18.7	8.145			43.47	192.81
-12.4	8.15				-12.4	8.15			43.46	192.88

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-19.9	8.155				-19.9	8.155			43.45	192.95
-4.8	8.16				-4.8	8.16			44.40	193.02
-13.2	8.165				-13.2	8.165			45.35	193.09
-4.2	8.17				-4.2	8.17			49.14	193.16
-3.1	8.175				-3.1	8.175			49.14	193.23
-1.5	8.18				-1.5	8.18			49.13	193.31
2.1	8.185				2.1	8.185			51.03	193.38
8.5	8.19				8.5	8.19			51.03	193.45
17.7	8.195				17.7	8.195			51.02	193.52
-0.3	8.2				-0.3	8.2			51.01	193.59
11.2	8.205				11.2	8.205			51.00	193.66
5.6	8.21				5.6	8.21			49.09	193.73
10.1	8.215				10.1	8.215			48.61	193.80
-2.1	8.22				-2.1	8.22			48.13	193.88
8.0	8.225				8.0	8.225			45.26	193.95
1.6	8.23				1.6	8.23			45.25	194.02
24.8	8.235				24.8	8.235			43.34	194.09
-2.7	8.24				-2.7	8.24			41.43	194.16
16.8	8.245				16.8	8.245			38.58	194.23
8.1	8.25				8.1	8.25			37.62	194.30
14.1	8.255				14.1	8.255			36.66	194.37
19.2	8.26				19.2	8.26			33.79	194.45
15.5	8.265				15.5	8.265			31.88	194.52
16.0	8.27				16.0	8.27			31.87	194.59
9.2	8.275				9.2	8.275			29.96	194.66
-14.4	8.28				-14.4	8.28			27.10	194.73
4.7	8.285				4.7	8.285			26.14	194.80
-8.8	8.29				-8.8	8.29			25.19	194.87
13.6	8.295				13.6	8.295			22.32	194.94
-3.2	8.3				-3.2	8.3			21.84	195.02
12.8	8.305				12.8	8.305			21.36	195.09
8.8	8.31				8.8	8.31			18.49	195.16
22.4	8.315				22.4	8.315			18.48	195.23
17.5	8.32				17.5	8.32			18.48	195.30
27.7	8.325				27.7	8.325			18.47	195.39
23.2	8.33				23.2	8.33			18.46	195.49
8.0	8.335				8.0	8.335			16.55	195.58
21.7	8.34				21.7	8.34			18.45	195.68
4.8	8.345				4.8	8.345			18.45	195.77
13.1	8.35				13.1	8.35			18.44	195.87
16.0	8.355				16.0	8.355			18.43	195.96
27.2	8.36				27.2	8.36			19.38	196.05
21.9	8.365				21.9	8.365			20.32	196.15
26.7	8.37				26.7	8.37			22.21	196.24
26.1	8.375				26.1	8.375			22.21	196.34
20.0	8.38				20.0	8.38			22.20	196.43
15.2	8.385				15.2	8.385			24.10	196.53
12.5	8.39				12.5	8.39			25.99	196.62
10.1	8.395				10.1	8.395			26.94	196.71
9.3	8.4				9.3	8.4			27.88	196.81
7.2	8.405				7.2	8.405			29.78	196.90
15.7	8.41				15.7	8.41			29.78	197.00
11.5	8.415				11.5	8.415			29.77	197.09
18.7	8.42				18.7	8.42			31.66	197.19
23.7	8.425				23.7	8.425			29.75	197.28
12.8	8.43				12.8	8.43			29.74	197.37
12.3	8.435				12.3	8.435			28.78	197.47
13.6	8.44				13.6	8.44			27.83	197.56
14.7	8.445				14.7	8.445			26.39	197.66
18.4	8.45				18.4	8.45			24.96	197.75
12.8	8.455				12.8	8.455			22.09	197.85
10.1	8.46				10.1	8.46			20.19	197.94
-2.8	8.465				-2.8	8.465			17.33	198.03
-0.3	8.47				-0.3	8.47			14.46	198.13
4.0	8.475				4.0	8.475			9.70	198.22
24.8	8.48				24.8	8.48			6.83	198.32
9.3	8.485				9.3	8.485			4.92	198.41
14.4	8.49				14.4	8.49			2.06	198.51

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9.1	8.495				9.1	8.495			1.10	198.60
5.6	8.5				5.6	8.5			0.14	198.69
-6.4	8.505				-6.4	8.505			-0.34	198.79
10.7	8.51				10.7	8.51			-0.82	198.88
19.6	8.515				19.6	8.515			-0.83	198.98
9.1	8.52				9.1	8.52			-0.84	199.07
14.4	8.525				14.4	8.525			-0.84	199.17
-12.8	8.53				-12.8	8.53			1.05	199.26
27.4	8.535				27.4	8.535			2.00	199.35
13.9	8.54				13.9	8.54			2.95	199.45
15.8	8.545				15.8	8.545			4.84	199.54
20.0	8.55				20.0	8.55			6.73	199.64
16.0	8.555				16.0	8.555			6.73	199.73
12.5	8.56				12.5	8.56			6.72	199.83
15.2	8.565				15.2	8.565			6.71	199.92
18.4	8.57				18.4	8.57			6.71	200.01
26.4	8.575				26.4	8.575			6.70	200.11
10.4	8.58				10.4	8.58			6.69	200.20
18.9	8.585				18.9	8.585			6.68	200.30
10.9	8.59				10.9	8.59			4.77	200.39
27.3	8.595				27.3	8.595			4.29	200.49
26.4	8.6				26.4	8.6			3.81	200.58
18.9	8.605				18.9	8.605			0.95	200.67
18.4	8.61				18.4	8.61			-0.96	200.77
15.9	8.615				15.9	8.615			-0.97	200.86
16.8	8.62				16.8	8.62			-2.88	200.96
16.7	8.625				16.7	8.625			-5.74	201.05
11.1	8.63				11.1	8.63			-10.51	201.15
9.3	8.635				9.3	8.635			-13.38	201.24
8.9	8.64				8.9	8.64			-16.23	201.33
8.6	8.645				8.6	8.645			-18.14	201.43
8.2	8.65				8.2	8.65			-23.86	201.52
7.5	8.655				7.5	8.655			-25.30	201.62
6.1	8.66				6.1	8.66			-26.74	201.71
1.6	8.665				1.6	8.665			-29.59	201.81
2.0	8.67				2.0	8.67			-31.50	201.90
5.0	8.675				5.0	8.675			-33.41	201.94
8.1	8.68				8.1	8.68			-33.42	201.98
2.2	8.685				2.2	8.685			-35.33	202.03
-7.9	8.69				-7.9	8.69			-35.34	202.07
-20.8	8.695				-20.8	8.695			-35.35	202.11
-9.9	8.7				-9.9	8.7			-35.36	202.15
-2.2	8.705				-2.2	8.705			-35.36	202.20
1.3	8.71				1.3	8.71			-35.37	202.24
6.3	8.715				6.3	8.715			-34.43	202.28
5.8	8.72				5.8	8.72			-33.48	202.32
5.7	8.725				5.7	8.725			-33.49	202.36
12.0	8.73				12.0	8.73			-31.59	202.41
12.8	8.735				12.8	8.735			-29.69	202.45
21.3	8.74				21.3	8.74			-29.70	202.49
18.4	8.745				18.4	8.745			-25.90	202.53
7.2	8.75				7.2	8.75			-25.91	202.58
17.3	8.755				17.3	8.755			-25.91	202.62
19.0	8.76				19.0	8.76			-22.12	202.66
15.4	8.765				15.4	8.765			-22.13	202.70
20.0	8.77				20.0	8.77			-22.13	202.74
4.9	8.775				4.9	8.775			-20.23	202.79
11.8	8.78				11.8	8.78			-19.29	202.83
12.3	8.785				12.3	8.785			-18.34	202.87
20.5	8.79				20.5	8.79			-16.45	202.91
37.6	8.795				37.6	8.795			-14.55	202.96
20.0	8.8				20.0	8.8			-14.56	203.00
33.6	8.805				33.6	8.805			-14.56	203.04
17.5	8.81				17.5	8.81			-12.67	203.08
27.2	8.815				27.2	8.815			-12.68	203.12
7.2	8.82				7.2	8.82			-12.68	203.17
20.7	8.825				20.7	8.825			-10.78	203.21
19.5	8.83				19.5	8.83			-10.80	203.25

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19.2	8.835				19.2	8.835			-9.85	203.29
23.2	8.84				23.2	8.84			-8.90	203.34
-1.6	8.845				-1.6	8.845			-7.01	203.38
18.4	8.85				18.4	8.85			-7.01	203.42
9.2	8.855				9.2	8.855			-7.02	203.46
14.1	8.86				14.1	8.86			-7.03	203.50
20.0	8.865				20.0	8.865			-7.03	203.55
-0.8	8.87				-0.8	8.87			-7.04	203.59
13.9	8.875				13.9	8.875			-7.05	203.63
29.0	8.88				29.0	8.88			-7.06	203.67
18.9	8.885				18.9	8.885			-6.11	203.72
19.2	8.89				19.2	8.89			-5.17	203.76
12.8	8.895				12.8	8.895			-7.07	203.80
11.5	8.9				11.5	8.9			-7.08	203.84
11.7	8.905				11.7	8.905			-7.09	203.88
16.8	8.91				16.8	8.91			-9.00	203.93
19.2	8.915				19.2	8.915			-9.01	203.97
28.0	8.92				28.0	8.92			-9.01	204.01
26.9	8.925				26.9	8.925			-9.02	204.05
33.9	8.93				33.9	8.93			-10.93	204.10
34.4	8.935				34.4	8.935			-10.94	204.14
26.4	8.94				26.4	8.94			-12.85	204.18
-5.4	8.945				-5.4	8.945			-12.86	204.22
-2.8	8.95				-2.8	8.95			-14.77	204.26
-0.2	8.955				-0.2	8.955			-14.78	204.31
2.3	8.96				2.3	8.96			-16.69	204.35
4.9	8.965				4.9	8.965			-16.70	204.39
7.5	8.97				7.5	8.97			-18.60	204.43
10.1	8.975				10.1	8.975			-18.61	204.48
12.6	8.98				12.6	8.98			-18.61	204.52
15.2	8.985				15.2	8.985			-18.62	204.56
17.8	8.99				17.8	8.99			-18.63	204.60
20.3	8.995				20.3	8.995			-18.64	204.64
17.2	9				17.2	9			-18.64	204.69
16.8	9.005				16.8	9.005			-18.65	204.73
30.4	9.01				30.4	9.01			-18.66	204.77
40.0	9.015				40.0	9.015			-18.66	204.81
40.0	9.02				40.0	9.02			-18.67	204.86
14.8	9.025				14.8	9.025			-18.68	204.90
21.6	9.03				21.6	9.03			-18.68	204.94
16.0	9.035				16.0	9.035			-18.69	204.98
-36.0	9.04				-36.0	9.04			-18.70	205.02
-18.9	9.045				-18.9	9.045			-18.71	205.07
-22.1	9.05				-22.1	9.05			-18.71	205.11
-10.7	9.055				-10.7	9.055			-18.72	205.15
-0.8	9.06				-0.8	9.06			-17.78	205.19
-0.8	9.065				-0.8	9.065			-16.83	205.24
-0.3	9.07				-0.3	9.07			-16.84	205.28
6.4	9.075				6.4	9.075			-16.85	205.32
0.5	9.08				0.5	9.08			-16.85	205.36
19.2	9.085				19.2	9.085			-14.96	205.40
-0.5	9.09				-0.5	9.09			-14.97	205.45
27.5	9.095				27.5	9.095			-14.02	205.49
7.2	9.1				7.2	9.1			-13.07	205.53
5.1	9.105				5.1	9.105			-13.08	205.57
8.8	9.11				8.8	9.11			-13.09	205.62
18.7	9.115				18.7	9.115			-13.09	205.66
21.6	9.12				21.6	9.12			-11.20	205.70
8.8	9.125				8.8	9.125			-9.31	205.77
-2.4	9.13				-2.4	9.13			-9.31	205.83
-4.8	9.135				-4.8	9.135			-9.32	205.90
13.3	9.14				13.3	9.14			-7.42	205.96
20.5	9.145				20.5	9.145			-7.43	206.03
15.2	9.15				15.2	9.15			-7.43	206.09
8.0	9.155				8.0	9.155			-5.54	206.16
4.0	9.16				4.0	9.16			-4.59	206.22
-1.1	9.165				-1.1	9.165			-3.65	206.29
6.0	9.17				6.0	9.17			-1.75	206.35

Sea level best estimate (this study)	Age for best estimate (Ma) (this study)	Sea level backstripped (m) (this study)	Sea level backstripped w/ estimated lowstand (m) (this study)	Age (Ma) sea level estimated (this study)	Sea Level calculated from oxygen isotopes (m) (this study)	Age (Ma) sea level calculated from oxygen isotopes (m) (this study)	Oxygen Isotopic sythesis (‰ smoothed)	Age (Ma) oxygen isotopic sythesis (smoothed)	Sea level Haq (1987) 0-244 Ma	Age (Ma) Haq (1987) 0-244 Ma
13.6	9.175				13.6	9.175			-1.76	206.42
21.2	9.18				21.2	9.18			-0.82	206.48
-5.6	9.185				-5.6	9.185			0.13	206.55
24.5	9.19				24.5	9.19			2.02	206.61
19.6	9.195				19.6	9.195			2.02	206.68
18.1	9.2				18.1	9.2			2.01	206.74
14.4	9.205				14.4	9.205			3.91	206.81
4.0	9.21				4.0	9.21			3.90	206.87
6.4	9.215				6.4	9.215			3.90	206.94
8.9	9.22				8.9	9.22			3.89	207.00
11.3	9.225				11.3	9.225			1.98	207.07
13.7	9.23				13.7	9.23			1.97	207.13
16.1	9.235				16.1	9.235			1.96	207.20
18.6	9.24				18.6	9.24			0.05	207.26
21.0	9.245				21.0	9.245			-1.86	207.33
23.4	9.25				23.4	9.25			-1.87	207.39
-0.77	9.3								-3.78	207.46
-1.03	9.4								-3.79	207.52
-12.00	9.5								-5.70	207.59
-0.27	9.6								-5.70	207.65
-0.73	9.7								-5.71	207.72
-4.87	9.8								-5.72	207.78
-5.03	9.9								-5.73	207.85
-5.19	10								-5.73	207.91
-5.35	10.1								-5.74	207.98
-5.51	10.2								-5.75	208.04
-5.66	10.3								-5.75	208.11
-3.97	10.4								-5.76	208.17
-4.44	10.5								-3.86	208.24
-5.00	10.6								-2.92	208.30
-9.00	10.7								-1.97	208.37
-10.00	10.8								-1.98	208.43
-9.00	10.9								1.82	208.50
0.00	11								2.76	208.56
20.00	11.1								3.71	208.63
20.00	11.2								5.60	208.69
21.12	11.3								6.55	208.76
20.01	11.4								7.50	208.82
18.90	11.5								9.39	208.89
17.79	11.6								13.19	208.95
16.68	11.7								13.19	209.02
15.57	11.8								13.18	209.08
14.46	11.9								16.97	209.15
-1.86	12								16.97	209.21
-1.98	12.1								16.96	209.28
-2.10	12.2								20.76	209.34
-2.23	12.3								21.71	209.41
-3.08	12.4								22.65	209.47
-3.13	12.5								24.55	209.54
-12.00	12.6								26.44	209.60
5.48	12.7								27.39	209.76
-1.71	12.8								28.34	209.92
2.50	12.9								30.23	210.08
2.00	13								31.18	210.23
-7.00	13.1								32.12	210.39
-8.00	13.2								34.02	210.55
-7.00	13.3								34.97	210.71
-1.00	13.4								35.91	210.87
-0.08	13.5								37.80	211.03
-0.20	13.6								39.70	211.19
-1.17	13.7								40.65	211.34
-2.13	13.8								41.59	211.50
-1.50	13.9								43.48	211.66
-9.00	14								44.43	211.82
-10.00	14.1								45.38	211.98
-9.00	14.2								47.27	212.14
-1.00	14.3								49.16	212.30
-0.59	14.4								50.11	212.45

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-2.72	14.5								51.06	212.61
-4.85	14.6								51.05	212.77
-9.40	14.7								52.00	212.93
-10.00	14.8								52.94	213.09
-11.00	14.9								54.83	213.25
-12.00	15								55.78	213.41
-14.00	15.1								56.73	213.56
-10.00	15.2								58.62	213.72
0.00	15.3								60.51	213.88
10.00	15.4								60.51	214.04
15.00	15.5								60.50	214.20
16.88	15.6								62.40	214.36
5.80	15.7								62.40	214.52
1.86	15.8								62.39	214.67
1.40	15.9								64.28	214.83
0.93	16								64.28	214.99
0.46	16.1								64.27	215.15
-14.00	16.2								68.07	215.31
-16.00	16.3								68.06	215.47
-14.00	16.4								68.06	215.63
3.10	16.5								68.05	215.78
7.22	16.6								69.51	215.94
9.66	16.7								69.08	216.10
8.49	16.8								69.08	216.26
6.79	16.9								69.09	216.42
6.26	17								69.09	216.58
5.72	17.1								70.99	216.74
7.09	17.2								70.99	216.89
5.25	17.3								71.00	217.05
5.24	17.4								71.00	217.21
4.15	17.5								71.01	217.37
-2.05	17.6								71.01	217.53
-1.76	17.7								71.02	217.69
10.14	17.8								71.02	217.85
8.00	17.9								71.03	218.00
-17.00	18								71.03	218.16
-18.00	18.1								71.04	218.32
-16.00	18.2								71.04	218.48
-12.28	18.3								71.05	218.64
-12.22	18.4								71.05	218.80
-12.15	18.5								71.05	218.96
-12.09	18.6								71.06	219.11
-12.02	18.7								70.12	219.27
-12.08	18.8								69.17	219.43
-12.17	18.9								67.29	219.59
-12.26	19								65.40	219.75
-12.34	19.1								64.46	219.91
-12.43	19.2								63.51	220.07
-7.90	19.3								61.63	220.22
-13.64	19.4								59.74	220.38
-1.59	19.5								57.85	220.54
7.15	19.6								54.07	220.70
7.72	19.7								46.51	220.78
2.86	19.8								38.94	220.87
1.94	19.9								31.37	220.95
3.59	20								31.37	221.04
-1.07	20.1								25.70	221.12
-3.57	20.2								23.82	221.20
0.80	20.3								23.82	221.29
1.25	20.4								23.82	221.37
2.53	20.5								26.67	221.45
1.49	20.6								31.40	221.54
4.09	20.7								40.88	221.62
3.62	20.8								52.23	221.71
3.14	20.9								59.81	221.79
2.66	21								63.60	221.87
3.39	21.1								65.49	221.96
7.40	21.2								68.34	222.04

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-14.45	21.3								69.29	222.12
-13.02	21.4								71.19	222.21
-12.52	21.5								71.19	222.29
-13.76	21.6								71.20	222.38
-18.00	21.7								73.09	222.46
-20.00	21.8								71.21	222.54
-18.00	21.9								71.21	222.63
-10.96	22								70.27	222.71
-10.00	22.1								69.33	222.79
-9.04	22.2								67.44	222.88
-8.09	22.3								66.50	222.96
-7.13	22.4								65.55	223.05
-6.18	22.5								63.67	223.13
-5.22	22.6								61.78	223.21
-4.26	22.7								61.78	223.30
-3.31	22.8								58.95	223.38
-2.35	22.9								56.11	223.46
-1.40	23								52.33	223.55
-0.44	23.1								46.66	223.63
-0.58	23.2								44.77	223.72
-3.62	23.3								42.88	223.80
5.58	23.4								35.32	223.88
4.01	23.5								35.32	223.97
-0.78	23.6								31.54	224.05
-9.21	23.7								29.66	224.13
-17.64	23.8								27.77	224.22
-31.51	23.9								25.88	224.30
-32.21	24								25.88	224.39
-32.91	24.1								25.89	224.47
-23.38	24.2								25.89	224.55
-36.08	24.3								26.85	224.64
-28.52	24.4								31.58	224.72
-10.62	24.5								35.37	224.80
-11.75	24.6								42.00	224.89
-12.90	24.7								48.63	224.97
-33.86	24.8								54.31	225.06
12.87	24.9								58.10	225.14
11.61	25								60.00	225.22
1.94	25.1								61.90	225.31
-7.08	25.2								63.79	225.39
-16.09	25.3								63.80	225.47
-6.97	25.4								63.80	225.56
2.15	25.5								63.81	225.64
1.30	25.6								63.81	225.73
0.45	25.7								63.81	225.81
-12.04	25.8								63.82	225.89
-9.97	25.9								61.93	225.98
-7.90	26								61.93	226.06
-5.83	26.1								60.05	226.14
-3.77	26.2								58.16	226.23
10.69	26.3								56.27	226.31
25.14	26.4								54.38	226.40
23.14	26.5								52.50	226.48
2.72	26.6								52.50	226.56
38.79	26.7								49.67	226.65
18.39	26.8								46.83	226.73
2.47	26.9								44.94	226.81
-14.58	27								37.38	226.90
-2.17	27.1								36.44	226.98
-10.47	27.2								35.49	227.07
17.83	27.3								22.25	227.15
16.08	27.4								22.25	227.23
14.39	27.5								1.44	227.32
-4.67	27.6								1.45	227.40
-23.73	27.7								-23.15	227.54
-24.41	27.8								-23.15	227.68
-26.45	27.9								-26.93	227.81
-30.00	28								-30.71	227.95

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-32.00	28.1								-32.60	228.09
-20.00	28.2								-32.60	228.23
19.50	28.3								-30.70	228.37
18.97	28.4								-28.80	228.50
18.43	28.5								-17.44	228.64
19.09	28.6								3.38	228.78
18.64	28.7								15.69	228.92
5.62	28.8								28.00	229.06
-7.40	28.9								32.74	229.19
7.82	29								35.58	229.33
3.72	29.1								37.47	229.47
-1.84	29.2								39.37	229.61
-7.41	29.3								41.27	229.75
-8.78	29.4								42.22	229.88
-9.00	29.5								43.17	230.02
-12.00	29.6								43.17	230.16
-13.00	29.7								43.18	230.30
-10.00	29.8								43.18	230.44
0.00	29.9								43.19	230.57
3.00	30								43.19	230.71
4.18	30.1								43.20	230.85
3.80	30.2								41.31	230.99
3.43	30.3								41.31	231.13
3.06	30.4								41.32	231.26
5.61	30.5								41.32	231.40
8.17	30.6								41.33	231.54
10.73	30.7								39.44	231.68
13.29	30.8								39.45	231.82
15.84	30.9								39.45	231.95
16.27	31								39.45	232.09
11.51	31.1								39.46	232.23
11.31	31.2								38.52	232.37
11.11	31.3								37.58	232.51
10.89	31.4								37.58	232.64
10.68	31.5								35.69	232.78
10.46	31.6								35.70	232.92
5.00	31.7								33.81	233.06
-4.00	31.8								31.92	233.20
-6.00	31.9								31.92	233.33
-4.00	32								26.25	233.47
0.00	32.1								24.37	233.61
4.68	32.2								22.48	233.75
-0.26	32.3								20.59	233.89
31.00	32.4								16.81	234.02
28.41	32.5								12.08	234.16
36.48	32.6								7.35	234.30
-8.03	32.7								4.52	234.49
-8.21	32.8								1.68	234.67
-12.00	32.9								-2.10	234.86
-10.00	33								-3.04	235.04
5.86	33.1								-3.98	235.23
11.22	33.2								-3.98	235.41
16.59	33.3								-3.97	235.60
21.95	33.4								-3.97	235.78
-7.01	33.5								-3.96	235.97
26.00	33.6								-1.12	236.15
40.00	33.7								3.62	236.34
42.55	33.8								10.25	236.52
42.81	33.9								18.77	236.71
42.74	34								24.46	236.89
42.67	34.1								28.24	237.08
47.07	34.2								30.14	237.26
45.00	34.3								30.15	237.45
30.00	34.4								30.15	237.63
6.00	34.5								30.16	237.82
6.00	34.6								29.21	238.00
15.00	34.7								28.27	238.19
17.48	34.8								28.27	238.37

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29.55	34.9								20.71	238.56
34.25	35								20.71	238.74
38.95	35.1								7.47	238.93
41.59	35.2								4.63	239.11
45.19	35.3								1.80	239.30
41.41	35.4								-3.87	239.48
54.34	35.5								-3.87	239.67
32.17	35.6								-3.86	239.85
49.18	35.7								0.87	240.04
49.00	35.8								7.50	240.22
35.00	35.9								15.08	240.41
22.00	36								23.60	240.59
10.00	36.1								26.44	240.78
8.00	36.2								26.45	240.96
12.00	36.3								24.56	241.15
17.00	36.4								22.67	241.33
19.00	36.5								20.78	241.52
19.27	36.6								17.00	241.70
19.09	36.7								15.12	241.73
26.13	36.8								15.12	241.76
25.65	36.9								15.12	241.79
25.17	37								17.02	241.82
43.55	37.1								18.92	241.86
40.00	37.2								20.82	241.89
34.00	37.3								22.71	241.92
30.00	37.4								23.67	241.95
26.00	37.5								23.20	241.98
23.00	37.6								22.73	242.01
21.00	37.7								20.84	242.04
20.00	37.8								18.01	242.07
19.00	37.9								15.17	242.10
18.00	38								13.28	242.13
17.00	38.1								12.34	242.17
15.00	38.2								11.40	242.20
13.00	38.3								11.40	242.23
11.00	38.4								11.41	242.26
9.00	38.5								11.41	242.29
7.50	38.6								11.41	242.32
6.00	38.7								12.37	242.35
5.50	38.8								13.32	242.38
5.00	38.9								16.16	242.41
5.50	39								19.01	242.44
6.00	39.1								19.96	242.48
6.50	39.2								20.91	242.51
7.00	39.3								19.97	242.54
8.00	39.4								19.02	242.57
9.00	39.5								19.03	242.60
12.00	39.6								13.36	242.63
15.00	39.7								12.42	242.66
19.00	39.8								11.47	242.69
22.00	39.9								2.01	242.72
17.00	40								2.02	242.75
18.03	40.1								-1.76	242.79
18.14	40.2								-2.71	242.82
18.25	40.3								-3.65	242.85
18.36	40.4								-5.53	242.88
18.47	40.5								-5.53	242.91
30.71	40.6								-5.53	242.94
31.69	40.7								-5.52	242.97
32.68	40.8								-5.52	243.00
33.67	40.9								-5.51	243.03
34.66	41								-5.51	243.06
25.42	41.1								-5.50	243.10
25.29	41.2								-5.50	243.13
24.00	41.3								-3.60	243.16
22.00	41.4								-1.70	243.19
20.00	41.5								-1.70	243.22
18.00	41.6								0.20	243.25

