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*Supplement of*

## **Sedimentological processes and environmental variability at Lake Ohrid (Macedonia, Albania) between 640 ka and present day**

**A. Francke et al.**

*Correspondence to:* A. Francke ([alexander.francke@uni-koeln.de](mailto:alexander.francke@uni-koeln.de))

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**Supplement 1: Age model tuning points**

Tuning Point	Depth (mcd)	Age (ka)
Orbital Parameter	6.87	16.88
Orbital Parameter	16.91	39.46
Orbital Parameter	26.44	64.22
LR04	33.87	82.19
Orbital Parameter	36.00	88.89
LR04	39.73	95.60
Orbital Parameter	43.51	109.57
LR04	48.09	123.06
Orbital Parameter	51.17	133.34
Orbital Parameter	58.57	156.09
Orbital Parameter	66.84	169.02
Orbital Parameter	75.55	180.84
LR04	90.03	200.56
Orbital Parameter	92.16	203.48
LR04	95.27	217.03
Orbital Parameter	98.10	225.49
LR04	105.04	239.84
Orbital Parameter	106.53	248.11
Orbital Parameter	117.93	271.51
LR04	125.87	286.13
Orbital Parameter	128.36	296.84
LR04	139.50	315.07
Orbital Parameter	140.31	317.81
LR04	142.93	324.01
Orbital Parameter	148.81	340.11
Orbital Parameter	153.60	358.84
Orbital Parameter	158.34	376.51
Orbital Parameter	165.23	391.31
LR04	170.70	405.13
Orbital Parameter	172.81	414.34
Orbital Parameter	176.75	430.13
Orbital Parameter	180.25	449.16
Orbital Parameter	186.35	468.79
Orbital Parameter	193.71	490.31
LR04	194.01	490.98
Orbital Parameter	201.76	510.83
LR04	204.82	524.08
Orbital Parameter	208.60	538.10
Orbital Parameter	216.59	560.55
LR04	223.79	575.05
Orbital Parameter	226.03	583.78
Orbital Parameter	234.74	604.75
LR04	237.36	610.14
Orbital Parameter	241.55	626.92

## Supplement 2: Core-log integration

Core Sequence (mcd)	Downhole Logging (mblf)	Offset Core (m)	Age (ka)
22.31	24.37	-2.06	49.1
27.47	30.17	-2.70	62.2
31.73	36.41	-4.68	78.3
35.72	40.1	-4.38	87.2
43.45	48.4	-4.95	108.9
50.12	55.11	-4.99	128.9
54.56	59.19	-4.63	140.2
61.76	66.73	-4.97	156.7
68.55	74.61	-6.06	170.5
81.12	85.09	-3.97	185.2
91.68	97	-5.32	205.5
98.13	103.4	-5.27	223.4
101.3	106.48	-5.18	230.2
106.46	112.1	-5.64	246.1
116.84	121.75	-4.91	271.0
128.78	132.92	-4.14	294.3
140.3	144	-3.70	317.0
147.62	150.65	-3.03	341.9
150.56	153.76	-3.20	350.4
158.39	161.52	-3.13	373.9
165.29	167.8	-2.51	391.6
167.09	170.04	-2.95	398.5
181.57	183.28	-1.71	456.3
202.51	203.05	-0.54	513.1
205.45	206.7	-1.25	526.6
207.58	209.09	-1.51	536.3
212.56	212.89	-0.33	548.5
215.73	215.53	0.20	556.6
219.4	219.2	0.20	568.3
226.61	225.44	1.17	584.8
242.29	241	1.29	630.0