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Changes in the Asian monsoon climate during the late last interglacial recorded in oxygen isotopes of a stalagmite from the Yongxing Cave, central China

Weihong Zhang, Zhenqiu Zhang, Zebo Liao, Shitao Chen, Qingfeng Shao, Yongjin Wang, Yi Wang

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Figure 6 Click here to download high resolution image



Figure 7 Click here to download high resolution image



Depth	238U	232Th	$\delta^{234}U$	$[^{230}\text{Th}/^{238}\text{U}]$	Age (ky)	Age (ky)	$\delta^{234} U_{initial}$
(mm)	(ppb)	(ppt)	measured	activity	uncorrected	corrected	corrected
6	718.4 ± 0.6	431.1 ± 17.2	367.5 ± 2.2	0.9358 ± 0.0022	116.8 ± 0.6	116.8 ± 0.6	511 ± 3
45	514.6 ± 0.3	277.8 ± 9.1	287.9 ± 1.4	0.8880 ± 0.0019	119.7 ± 0.5	119.7 ± 0.5	404 ± 2
76	503.4 ± 0.4	205.4 ± 12.3	311.8 ± 2.6	0.9112 ± 0.0019	120.8 ± 0.7	120.8 ± 0.7	439 ± 4
155	509.6 ± 0.5	112.1 ± 15.7	372.8 ± 2.8	0.9602 ± 0.0023	121.2 ± 0.7	121.2 ± 0.7	525 ± 4
215	491.4 ± 0.3	189.5 ± 17.1	292.2 ± 2.6	0.9055 ± 0.0020	123.0 ± 0.7	123.0 ± 0.7	414 ± 4
268	539.3 ± 0.4	361.3 ± 39.9	293.3 ± 2.3	0.8964 ± 0.0020	120.7 ± 0.6	120.7 ± 0.6	412 ± 3

 Table 1
 ²³⁰Th ages for stalagmite YX266 in Yongxing Cave, China

Errors are 2σ analytical errors. The half-lives are 75584 and 245620 years for ²³⁰Th and ²³⁴U, respectively (Cheng et al., 2013). Corrected ²³⁰Th ages assume an initial ²³⁰Th/²³²Th atomic ratio of (4.4±2.2) ×10⁻⁶. All the ages are calibrated to A.D. 1950.