

ID	Name	Coverage (yr BP)	Proxy	Citation	% Variance contribution				
					400kyr Ecce	100kyr Ecce	41kyr Obli	21kyr Pre	Total (75% conf)
a	Sah 1	380 - 240570	Dust isotope 230Th	Skonieczny et al. (2019) <sup>59</sup>	—	—	6.8	<b>54.6</b>	<b>54.6</b>
b	Sah 2	900-1001100	Dust Zr/Rb ratio	Crocker et al. (2022) <sup>25</sup>	—	1.3	<b>15</b>	<b>28.7</b>	<b>43.7</b>
c	Bos	57 - 495207	Pollen taxa assemblage	Gosling et al. (2022) <sup>147</sup>	—	<b>15.6</b>	<b>2.1</b>	<b>10.1</b>	<b>27.8</b>
d	W.Afr	6047-173684	Pollen reconstruction	This study	—	—	<b>51.5</b>	<b>13.5</b>	<b>65</b>
e	Con 1	679-218100	Al/K ratio	Schneider et al. (1997) <sup>148</sup>	—	0.2	<b>7.4</b>	<b>56.4</b>	<b>63.8</b>
f	Con 2	375-212720	Clay smectite abundance	Gingele et al. (1998) <sup>149</sup>	—	0.8	<b>39.7</b>	<b>18.9</b>	<b>58.6</b>
g	Nam 1	1450- 135940	δD leaf waxes	Collins (2014) <sup>150</sup>	—	—	<b>0.7</b>	<b>57.2</b>	<b>57.9</b>
h	Nam 2	551-202921	Pollen reconstruction	This study	—	0.5	<b>12.7</b>	<b>17.6</b>	<b>30.3</b>
i	Cape	4000-307000	Pollen reconstruction	This study	—	0.3	<b>23.6</b>	<b>12.6</b>	<b>36.2</b>
j	Lim 1	720-2141120	Fe/Ca ratio	Caley et al. (2018) <sup>11</sup>	—	—	0.8	<b>46.4</b>	<b>46.4</b>
k	Lim 2	0-790000	Pollen reconstruction	This study	—	<b>2.9</b>	<b>10.3</b>	<b>13.6</b>	<b>26.8</b>
l	Mal 1	11398-622901	Pollen reconstruction	This study	—	—	0.2	<b>20.8</b>	<b>20.8</b>
m	Mal 2	354-1277351	Isotope derived lake level	Johnson et al. (2016) <sup>33</sup>	—	<b>28.9</b>	<b>6</b>	<b>8.8</b>	<b>43.7</b>
n	Koora	83580-1006020	δ13C plant waxes	Lupien et al. (2021) <sup>46</sup>	—	0.3	<b>20.1</b>	<b>22.1</b>	<b>42.2</b>
o	CBH	2000-616000	K/Zr ratio	Foerster et al. (2022) <sup>6</sup>	—	<b>13.5</b>	<b>17.1</b>	<b>12.8</b>	<b>43.4</b>
p	Horn	0-215000	δD leaf waxes	Tierney et al. (2017) <sup>60</sup>	—	5.3	<b>19.6</b>	<b>50.7</b>	<b>70.3</b>
q	NE.Afr	4000-3000000	XRF-derived humidity index	Grant et al. (2017) <sup>26</sup>	—	0.8	<b>4.1</b>	<b>24.6</b>	<b>28.7</b>
									<b>44.7</b>