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Terrestrial responses of low-latitude Asia to the Eocene–Oligocene climate transition revealed by integrated chronostratigraphy

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Table S1 Summary of the ChRM data of the studied section in the Maoming Basin, southern China

Sample #	Depth (m)	Dec (°)	Inc (°)	MAD (°)	Treatment (AF, TD)	Start (°C or mT)	End (°C or mT)	N	VGP_Lat. (°)	Q* (A, B)
MH2980-1	61.31	174.4	-23.1	0.9	AF	30	100	9	-79.0	A
MH2070-1	52.21	175.9	-8.8	14.8	AF	20	60	5	-72.3	A
MH1710-2	48.60	0.6	24.4	11.7	TD	150	380	6	81.1	A
MH1200-1	43.51	3.1	26.0	4.6	AF	40	100	7	81.5	A
MH280	34.30	327.1	6.6	4.6	TD	420	660	10	53.1	A
MH260-2	34.10	354.7	1.0	12.4	TD	150	340	4	68.2	A
MH140-1	32.91	336.7	16.2	11.8	AF	15	90	9	63.9	A
MH100-1	32.51	25.0	8.0	11.8	AF	40	100	7	60.0	A
MH80-2	32.30	314.8	36.0	12.4	TD	150	380	6	47.9	A
MH60-1	32.11	197.9	-19.7	10.4	AF	15	60	7	-69.3	A
MH40-1	31.91	89.4	28.0	9.6	AF	35	90	5	6.0	B
MH20-1	31.71	74.7	8.3	2.4	AF	25	100	10	15.7	B
MY3135-1	31.36	186.1	-34.6	12.4	TD	200	380	5	-83.7	A
MY3130-1	31.30	202.7	-20.9	7.7	TD	150	340	5	-65.7	A
MY3080-1	30.81	97.8	-30.9	4.2	TD	100	340	6	-13.1	B
MY3040-2	30.41	118.1	-9.9	8.5	TD	150	300	4	-27.9	B
MY2930-2	29.30	199.1	-14.8	12.0	TD	150	340	5	-66.8	A
MY2910-1	29.11	194.3	-19.1	10.5	TD	100	340	6	-71.8	A
MY2875-2	28.75	183.1	-11.1	4.5	TD	100	340	4	-73.6	A
MY2820-1	28.21	170.6	-25.1	8.7	TD	150	380	5	-77.6	A
MY2800-1	28.01	167.8	-38.1	9.9	AF	15	40	5	-78.7	A
MY2750-2	27.50	186.7	-11.4	9.6	TD	100	340	6	-72.8	A
MY2705-1	27.06	204.5	-14.2	8.6	TD	100	380	7	-62.3	A
MY2660-2	26.60	169.3	-11.1	9.0	TD	100	340	6	-70.9	A
MY2510-1	25.10	175.5	-5.1	12.8	TD	150	340	5	-70.4	A
MY2490-2	24.91	81.4	9.0	7.6	TD	150	420	7	9.7	B
MY2375-2	23.75	68.9	-5.7	11.6	TD	150	380	6	18.4	B
MY2290-2	22.90	53.0	11.9	12.5	TD	150	340	4	36.5	B
MY2080-1	20.80	345.9	24.4	9.6	TD	200	380	5	73.9	A
MY1760-2	17.60	4.4	26.7	0.9	AF	16	70	10	81.3	A
MY1720-2	17.20	69.7	66.9	10.5	AF	16	40	7	29.4	B
MY1700-2	17.00	353.3	39.2	0.5	AF	20	60	8	83.8	A
MY1610-1	16.11	38.7	67.0	12.6	TD	150	380	6	48.7	A
MY1460-2	14.60	12.3	59.1	15.4	AF	10	50	10	69.0	A
MY1380-2	13.80	16.2	12.6	14.9	AF	25	80	5	68.1	A
MY1330-1	13.31	13.3	25.5	5.3	TD	250	380	4	74.9	A
MY1300-1	13.01	8.3	60.4	10.2	TD	150	380	6	69.1	A
MY1280-1	12.81	215.2	15.2	13.2	TD	150	340	4	-44.6	B
MY1250-2	12.50	350.7	6.6	15.0	AF	15	50	8	69.5	A
MY1220	12.20	2.2	42.1	5.8	TD	200	340	4	86.7	A
MY1190-1	11.91	317.4	61.1	6.7	TD	150	340	5	49.0	A
MY1150-1	11.51	337.4	60.4	8.4	TD	150	340	5	62.6	A
MY1080-1	10.81	13.7	40.0	9.3	TD	150	340	4	77.3	A
MY1050-2	10.50	225.2	-19.2	6.2	AF	15	40	8	-45.1	A
MY1010-1	10.11	22.5	-35.7	4.2	TD	150	340	5	43.1	B
MY980-1	9.81	297.9	15.1	5.9	TD	150	340	5	28.7	B

MY940-1	9.41	139.1	84.1	9.5	TD	150	380	6	12.7	B
MY920-1	9.21	358.5	32.3	6.4	TD	200	380	5	85.6	A
MY880-1	8.81	116.0	-61.1	8.9	TD	150	380	5	-33.4	B
MY840-2	8.40	340.8	45.1	9.4	AF	15	50	10	71.8	A
MY820-2	8.20	340.0	61.2	7.6	AF	15	40	9	63.5	A
MY750-1	7.51	25.0	11.7	13.5	TD	100	340	6	61.1	A
MY590-2	5.90	346.7	42.7	1.1	AF	35	100	8	77.4	A
MY530-1	5.31	22.0	18.5	7.6	TD	150	340	5	65.6	A
MY470-1	4.71	327.7	4.6	10.9	TD	150	340	5	53.1	A
MY400-1	4.01	328.1	66.8	4.1	TD	150	340	5	52.6	A
MY270-1	2.71	324.0	-30.6	10.9	TD	150	340	5	38.0	B
MY190-1	1.91	31.4	20.2	11.9	AF	10	60	6	57.9	A
MY170-1	1.71	2.0	63.8	1.5	AF	60	100	7	66.2	A
MY160-2	1.60	100.4	17.0	4.0	AF	50	100	6	-6.3	B
MY150-1	1.51	8.7	66.7	7.0	AF	30	80	7	61.6	A
MY110-1	1.10	96.2	-21.0	13.9	TD	100	300	4	-9.7	B
MY0-3	0.00	300.6	14.1	15.7	TD	200	340	4	31.0	B

Note: Sample #, sample number. MH, Huangniuling Fm; MY, Youganwo Fm; the double black lines indicate the boundary between MH and MY; Depth, stratigraphic level in meters; Dec, declination; Inc, inclination; MAD, maximum angular deviation; Treatment, type of demagnetization treatment including alternating field (AF) and thermal demagnetization (TD); Start and End, the start and end demagnetization step used to define the ChRM; N, number of demagnetization steps used to determine the ChRM; VGP_Lat., latitude of the virtual geomagnetic pole (VGP); Q*, rank of the data quatlity. ChRMs with the corresponding VGP less/greater than 45° from the mean of VGPs are considered in A/B quality. All angles are in degrees.