Erratum

LOW-TEMPERATURE OXIDATION OF MAGNETITE IN LOESS-
PALEOSOL SEQUENCES: A CORRECTION OF ROCK MAGNETIC
PARAMETERS

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In this paper, published in **Vol. 43** (1999), pp. 357-375, certain imperfections in final preparations caused that Table 1 (page 363) was printed incomplete. Therefore, we publish this table again in complete form. We apologise to the authors and readers for this deficiency and inconvenience.

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Table 1. Rock-magnetic parameters of loess and paleosol samples measured before and after heating to 150°C. The origin of the samples is indicated for each locality. See section 3 for experimental details. In the lithology refers L to loess, PC to pedocomplex, S to paleosols (usual numbering starting at Recent); at Sedlesovice 'surf.' indicates material collected at the exposed outcrop surface, 10cm indicates that a layer of 10 cm thick was removed before the sample was collected. ARM was acquired in a 200 mT alternating field with a 32 μ T DC bias field parallel to the alternating field. The IRM was measured after pulsing to a 2 T magnetic field, except the samples from Lanzhou that acquired the IRM in a 0.83 T field. χ_{art} is the mass-normalized susceptibility determined with the artificial samples in epoxy (in $10^{-8}\text{m}^3/\text{kg}$).

Samples	Lithology	Before heating						After heating						Change			
		ARM (mAm ² /kg)	IRM (mT)	B _{cr} (mT)	S(100)	S(300)	IRM/ ARM	χ _{art}	ARM (mAm ² /kg)	IRM (mT)	B _{cr} (mT)	S(100)	S(300)	IRM/ ARM	χ _{art}	B _{cr} (mT)	IRM (%)
Sedlešovice (Czech Republic)																	
SB2	L2	0.012	1.47	51.4	0.41	0.81	123.8	14.2	0.013	1.35	39.7	0.53	0.80	106.5	15.1	-11.7	-8.0
Sed3a	L3-10cm	0.011	1.48	51.2	0.42	0.79	138.6	14.4	0.011	1.30	38.0	0.53	0.78	118.2	14.6	-13.2	-12.2
Sed3e	L3-surf.	0.011	1.54	51.9	0.44	0.78	137.5	14.7	0.011	1.35	38.8	0.53	0.76	118.5	15.1	-13.1	-12.3
Sed5a	S5-10cm	0.125	4.09	21.8	0.76	0.92	32.7	74.1	0.121	3.92	20.7	0.79	0.92	32.4	74.5	-1.1	-4.1
Sed5e	S5-surf.	0.126	4.08	22.4	0.75	0.90	32.4	73.5	0.127	4.06	20.5	0.80	0.91	32.0	83.2	-1.9	-0.3
Pouzďany (Czech Republic)																	
P40X	PCII-a	0.055	3.66	25.3	0.67	0.88	67.1	54.0	0.050	3.25	22.8	0.75	0.89	65.0	54.7	-2.5	-11.2
P60X	PCII-b	0.067	3.38	25.5	0.70	0.90	50.3	50.3	0.065	3.18	23.2	0.76	0.89	48.8	49.7	-2.3	-5.9
P90X	PCII-b	0.061	2.87	24.9	0.70	0.90	46.8	46.4	0.055	2.45	22.5	0.75	0.89	44.3	46.0	-2.4	-14.8
P105X	Loess	0.024	1.49	30.3	0.58	0.86	62.8	23.6	0.027	1.58	26.8	0.68	0.85	57.6	24.0	-3.5	6.1
P150X	Loess	0.017	1.32	33.2	0.59	0.86	78.1	18.2	0.015	1.06	29.4	0.64	0.84	68.5	17.7	-3.8	-19.7

Table 1. Continuation.

Samples	Before heating							After heating							Change		
	ARM	IRM	B_{cr}	$S(100)$	$S(300)$	IRM/ ARM	$\chi_{art.}$	ARM	IRM	B_{cr}	$S(100)$	$S(300)$	IRM/ ARM	$\chi_{art.}$	B_{cr}	IRM	%
Lithology	(mAm ² /kg)	(mAm ² /kg)	(mT)					(mAm ² /kg)	(mAm ² /kg)	(mT)					(mT)		
Russe (Bulgaria)																	
C0.9	L2	0.030	3.42	33.2	0.67	0.92	112.2	33.7	0.031	3.10	25.9	0.77	0.92	99.0	37.6	-7.3	-9.2
C2.1	L2	0.056	4.36	29.4	0.70	0.94	77.4	52.0	0.052	3.87	24.7	0.77	0.92	74.9	51.0	-4.7	-11.4
CH5.9	S3	0.065	3.50	28.0	0.67	0.91	53.4	45.7	0.063	3.08	24.9	0.74	0.92	49.0	45.6	-3.1	-11.8
Karamaidan (Tajikistan)																	
TA12.5	Loess	0.029	4.74	58.0	0.42	0.83	164.4	27.2	0.029	4.04	43.2	0.53	0.82	141.7	28.0	-14.8	-14.7
TB19.80	Loess	0.017	2.31	53.5	0.40	0.81	137.8	14.0	0.018	2.07	39.9	0.54	0.80	117.6	14.9	-13.6	-10.4
TA14.50	Paleosol	0.179	12.73	27.1	0.66	0.89	71.0	155.8	0.176	11.72	24.4	0.73	0.90	66.5	156.9	-2.7	-7.9
TB18.60	Paleosol	0.065	8.25	42.9	0.49	0.85	127.1	65.0	0.066	7.25	32.5	0.63	0.84	109.1	66.1	-10.4	-12.1
Lanzhou (China)																	
CX33-475	L1	(3.75)	55.5	0.41	0.88				(3.08)	38.1	0.59	0.85				-17.4	-17.9
CX33-500	L1	(2.73)	54.9	0.42	0.86				(2.28)	38.3	0.59	0.86				-16.6	-16.3
CX41-600	S1	(3.96)	47.0	0.46	0.88				(3.39)	34.6	0.59	0.86				-12.4	-14.5
CX41-675	S1	(3.88)	45.4	0.47	0.87				(3.41)	35.0	0.60	0.86				-10.4	-12.0

Table 1. Continuation.

Samples	Lithology	Before heating					After heating					Change						
		ARM (mAm ² /kg)	IRM (mT)	B _{cr} (mT)	S(100)	S(300)	IRM/ ARM	χ _{art.}	ARM (mAm ² /kg)	IRM (mT)	B _{cr} (mT)	S(100)	S(300)	IRM/ ARM	χ _{art.}	B _{cr} (mT)	IRM (%)	
Hezuo (China)																		
HZ1	Soil	0.109	7.86	27.4	0.68	0.89	72.0	96.3	0.111	7.19	24.3	0.76	0.88	64.8	96.2	-3.1	-8.6	
HZ2	Loess	0.015	3.87	52.2	0.40	0.82	255.6	32.7	0.017	3.25	35.7	0.56	0.78	193.5	33.2	-16.5	-16.0	
HZ3	Loess	0.021	3.89	58.2	0.35	0.81	187.4	33.9	0.021	3.01	34.8	0.56	0.75	142.0	33.6	-23.4	-22.5	
HZ4	Loess	0.015	4.16	57.1	0.38	0.84	278.1	31.8	0.016	3.20	36.3	0.59	0.79	194.8	32.4	-20.8	-23.0	
HZ5	S1	0.021	4.03	56.3	0.37	0.82	188.2	31.4	0.022	3.04	37.5	0.53	0.77	136.4	29.7	-18.8	-24.5	
Gold Hill Steps (Alaska)																		
GHS4.5	Loess	0.058	12.71	41.2	0.62	0.96	218.8	100.8	0.060	10.08	30.6	0.77	0.95	169.2	95.3	-10.6	-20.7	
GHS16.6	Loess	0.040	5.12	45.3	0.51	0.88	126.8	36.5	0.042	4.67	42.0	0.56	0.88	111.1	36.2	-3.3	-8.8	
GHS0.0	Soil	0.247	20.03	21.4	0.83	0.95	81.2	264.9	0.234	18.65	20.9	0.85	0.95	79.5	251.4	-0.5	-6.9	
GHS19.6	Paleosol	0.229	18.54	24.7	0.78	0.95	81.0	186.0	0.226	17.62	22.6	0.84	0.95	77.8	184.1	-2.1	-5.0	
Gorina (Argentina)																		
GOR1.115	Loess	0.355	35.21	28.8	0.68	0.93	99.3	267.8	0.353	34.37	28.0	0.71	0.93	97.3	272.7	-0.8	-2.4	
GOR3.13	Loess	0.427	42.51	32.4	0.66	0.93	99.7	271.6	0.427	40.20	29.6	0.68	0.93	94.1	274.1	-2.8	-5.4	
GOR9	Paleosol	0.263	14.10	25.2	0.71	0.90	53.7	119.7	0.259	13.37	23.2	0.74	0.90	51.7	123.0	-2.0	-5.2	
GOR1.121	Paleosol	0.380	15.17	22.8	0.77	0.92	39.9	162.8	0.362	14.45	21.0	0.79	0.92	40.0	159.1	-1.8	-4.8	