Supplementary Materials

for the paper

Cross-Dating in Archaeology: A Comparative Archaeomagnetic, Thermoluminescence and Radiocarbon Dating of an Ancient Kiln, Ceva, Northern Italy

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- Table S2: Radiocarbon results obtained for the charcoal sample US29-C1 (CEDAD code (LTL21346), performed at the CEDAD- Centro di Datazione e Diagnostica, Lecce.

Table S1. Archeointensity results.

Frag ID	Spec ID	Tmin	Tmax	N	f	g	q	MAD	MAD (anc)	H (μT)	Std dev (μT)	H mean (μT)	Std dev (μT)	Hcorr (ANI)	H mean (ANI)	Error (ANI)	f 3h (CR)	H mean (CR)	Mean (ANI+CR)	Error (ANI+CR)
CE-1	A	*rejected*																		
	B	100	470	9	0.71	0.86	16.9	1.9	2.1	64.44	2.33	64.4	2.3	63.1	63.1	2.3	0.96	60.58	60.6	2.3
	C	*rejected*																		
CE-2	B	150	470	8	0.79	0.83	46.0	2.1	1.3	74.62	1.08	73.0	2.3	75.2	69.8	7.7	0.97	72.94	67.7	7.5
	C	100	470	9	0.88	0.86	35.0	1.7	1.5	71.35	1.56			64.3			0.97	62.37		
CE-4	A	100	440	8	0.58	0.82	35.1	2.2	1.6	73.51	1	73.3	3.3	63.1	65.8	2.8	0.96	60.58	63.6	3.0
	B	100	440	8	0.60	0.82	46.6	1.9	1.4	76.5	0.96			65.5			0.97	63.54		
	C	200	470	7	0.45	0.81	17.8	1.5	0.8	69.93	1.42			68.7			0.97	66.64		
CE-5	A	300	530	7	0.87	0.79	42.3	2.9	1.8	70.18	1.13	69.2	2.1	62.1	62.3	1.0	0.94	58.37	57.9	0.8
	B	200	530	9	0.89	0.83	39.6	3.9	2.0	66.74	1.24			61.4			0.95	58.33		
	C	100	470	9	0.55	0.87	11.7	2.5	0.8	70.54	2.88			63.3			0.90	56.97		
CE-6	A	20	440	8	0.72	0.67	21.9	4.1	1.2	77.59	1.72	72.8	4.8	69.0	62.4	3.0	0.94	64.86	61.4	2.6
	B	20	300	6	0.54	0.79	16.0	3.1	1.0	72.68	1.96			64.5			0.98	63.21		
	C	20	300	6	0.58	0.79	36.5	2.8	1.1	68.04	0.86			60.2			0.99	59.60		
CE-11	A	200	500	8	0.69	0.78	26.9	2.8	1.2	58.73	1.19	61.1	2.1	57.2	60.6	4.1	0.96	54.91	58.2	4.0
	B	20	500	11	0.86	0.82	15.7	6.2	2.4	62.16	2.82			65.2				62.59		
	C	150	470	8	0.41	0.83	5.2	8.2	2.8	62.43	4.1			59.5				57.12		

Site Mean Value: 61.6 ± 3.7 μT

Table S2. Radiocarbon results (from CEDAD Technical report, 2021: Rif. CEDAD: 2021_00116)

Codice	Codice CEDAD	Radiocarbon age (BP)	δ13C (‰)	Calibrated radiocarbon age (2-sigma confidence level)
US29-C1	LTL21346	2134 ± 45	-26.2 ± 0.5	355BC (19.9%) 279BC 232BC (75.5%) 42BC

