

Results of a Bayesian Analysis of Radiocarbon Dates from Göytepe and Hacı Elamxanlı Tepe, Azerbaijan

An appendix to "[Chronological Contexts of the Earliest Pottery Neolithic in the South Caucasus: Radiocarbon Dates for Göytepe and Hacı Elamxanlı Tepe, Azerbaijan](#)," by Yoshihiro Nishiaki, Farhad Guliyev, and Seiji Kadowaki (*AJA* 119 [2015] 279–94).

Table 1. Results of a Bayesian analysis of radiocarbon dates from Göytepe and Hacı Elamxanlı Tepe.

	Unmodeled (B.C.E.)			Unmodeled (B.C.E.)			Agreement Index
	From	To	%	From	To	%	
Göytepe							
Boundary start	–	–	–	5676	5626	95.4	–
R_date level 14 IAAA132141	5662	5556	95.4	5665	5626	95.4	59.2*
R_date level 14 IAAA132140	5662	5556	95.4	5665	5625	95.4	84.8
14/13 boundary transition level	–	–	–	5660	5623	95.4	–
R_date level 13 IAAA120686	5731	5641	95.4	5656	5621	95.4	22.9*
13/12 boundary transition level	–	–	–	5655	5596	95.4	–
R_date level 12 IAAA120058	5711	5573	95.4	5646	5571	95.4	77.8
R_date level 12 IAAA120684	5621	5492	95.4	5626	5573	95.4	105.5
R_date level 12 IAAA120685	5615	5482	95.4	5624	5577	95.4	62.0
12/11 boundary transition level	–	–	–	5616	5556	95.4	–
R_date level 11 IAAA120068	5657	5541	95.4	5601	5544	95.4	99.4
11/10 boundary transition level	–	–	–	5589	5525	95.4	–
R_date level 10 TKa15171	5623	5483	95.4	5574	5516	95.4	117.8
R_date level 10 IAAA120067	5617	5491	95.4	5572	5517	95.4	121.3
R_date level 10 TKa15175	5644	5374	95.4	5574	5516	95.4	125.5
R_date level 10 TKa15172	5632	5379	95.4	5573	5516	95.4	118.1
R_date level 10 TKa15174	5623	5483	95.4	5571	5516	95.4	105.2
10/9 boundary transition level	–	–	–	5561	5507	95.4	–
R_date level 9 IAAA120066	5621	5492	95.4	5552	5502	95.4	79.1
R_date level 9 UBA7616	5617	5486	95.4	5551	5502	95.4	114.4
R_date level 9 TKa15168	5476	5306	95.4	5546	5501	95.4	0.4*
9/8 boundary transition level	–	–	–	5540	5495	95.4	–
R_date level 8 UBA7614	5615	5477	95.4	5533	5491	95.4	127
R_date level 8 UBA7615	5616	5476	95.4	5533	5492	95.4	127.6
R_date level 8 IAAA120065	5606	5476	95.4	5533	5491	95.4	121.6
R_date level 8 TKa15173	5544	5302	95.4	5532	5491	95.4	33.5*

Note: Radiocarbon dates were calibrated with the sequence and phase models of the OxCal program according to stratigraphic sequences at each of the sites. Asterisks indicate agreement indices lower than 60. Those dates were excluded in the analysis of the second model shown in table 3 in the *AJA* print-published article.

Table 1 (continued).

	Unmodeled (B.C.E.)			Unmodeled (B.C.E.)			Agreement Index
	From	To	%	From	To	%	
8/7 boundary transition level	–	–	–	5527	5487	95.4	–
R_date level 6 IAAA120063	5617	5491	95.4	5511	5479	95.4	43.8*
6/5 boundary transition level	–	–	–	5505	5474	95.4	–
R_date level 5 IAAA120064	5484	5372	95.4	5500	5472	95.4	51.0*
5/4 boundary transition level	–	–	–	5495	5471	95.4	–
R_date level 4 TKa15000	5526	5344	95.4	5490	5466	95.4	144.3
R_date level 4 TKa14623	5527	5375	95.4	5489	5467	95.4	201.5
R_date level 4 TKa14622	5613	5478	95.4	5490	5469	95.4	39.3*
R_date level 4 TKa14999	5529	5331	95.4	5490	5466	95.4	143.2
4/3 boundary transition level	–	–	–	5487	5457	95.4	–
R_date level 31 TKa14998	5508	5323	95.4	5485	5434	95.4	117.1
Boundary end	–	–	–	5483	5414	95.4	–
Hacı Elamxanlı Tepe							
Boundary start levels 34	–	–	–	6037	5900	95.4	–
R_date level 4 IAAA120699	5971	5736	95.4	5979	5855	95.4	51.2*
R_date level 4 IAAA120698	6016	5899	95.4	5996	5893	95.4	92.8
R_date level 3 IAAA120697	6006	5890	95.4	5987	5891	95.4	103.4
R_date level 3 IAAA120696	6010	5895	95.4	5992	5891	95.4	99.3
R_date level 3 IAAA132146	5981	5786	95.4	5979	5860	95.4	93.6
34/12 boundary transition level	–	–	–	5955	5825	95.4	–
R_date level 2 IAAA132145	5984	5806	95.4	5912	5795	95.4	94.0
R_date level 2 IAAA120695	5883	5737	95.4	5889	5760	95.4	94.5
R_date level 2 IAAA120693	5984	5806	95.4	5912	5795	95.4	93.9
R_date level 2 IAAA132144	5842	5718	95.4	5883	5743	95.4	59.6*
Boundary end	–	–	–	5881	5676	95.4	–

Note: Radiocarbon dates were calibrated with the sequence and phase models of the OxCal program according to stratigraphic sequences at each of the sites. Asterisks indicate agreement indices lower than 60. Those dates were excluded in the analysis of the second model shown in table 3 in the AJA print-published article.

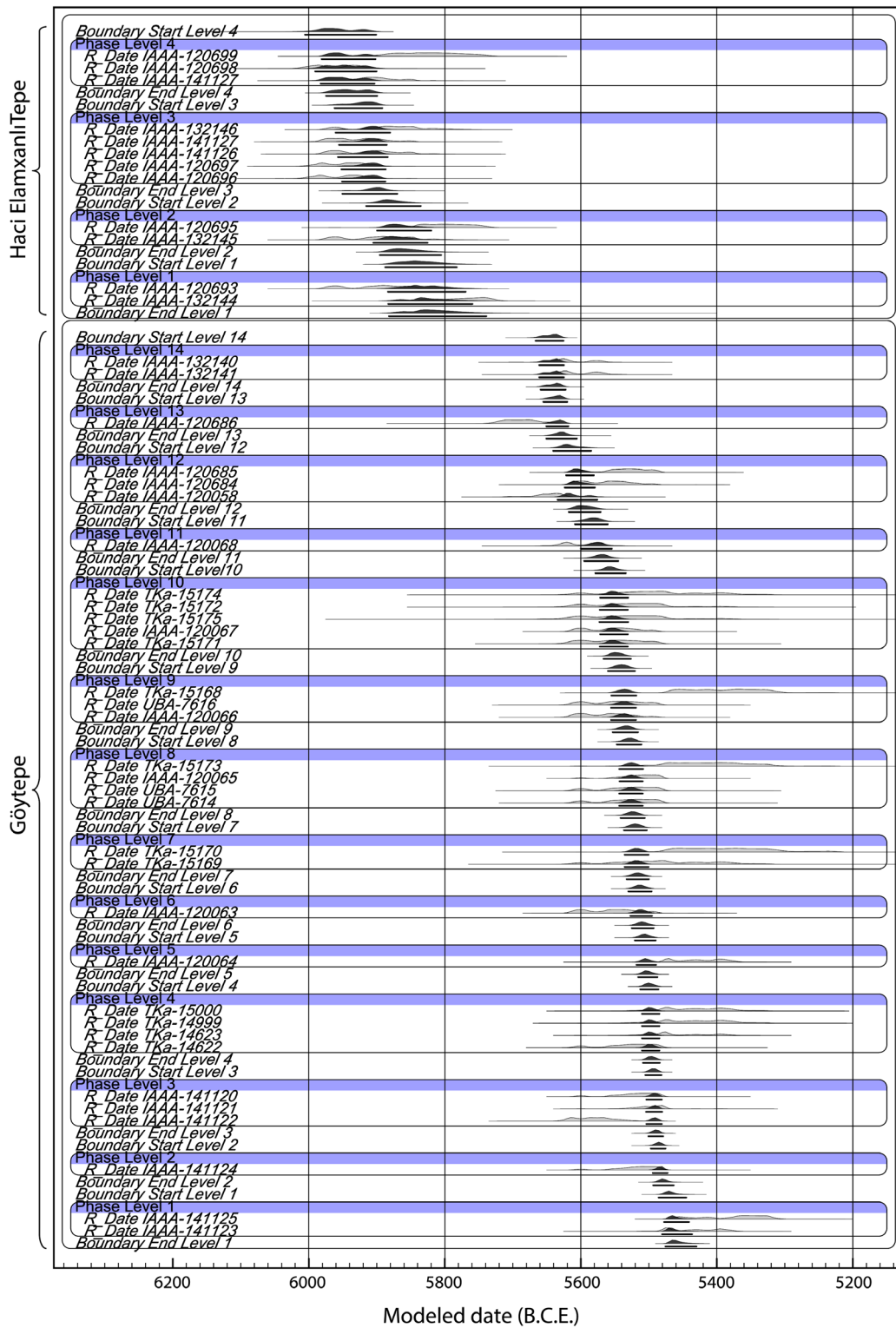


Fig. 1. Probability distributions of radiocarbon dates calibrated with the sequence and phase models of the OxCal 4.2 program (Bronk Ramsey 2013), employing the IntCal13 atmospheric curve (Reimer et al. 2013), according to stratigraphic sequences at Göytepe and Hacı Elamxanlı Tepe.

Works Cited

- Bronk Ramsey, C. 2013. *OxCal Online Radiocarbon Calibration*. Version 4.2. Oxford: Radiocarbon Accelerator Unit, University of Oxford. <http://c14.arch.ox.ac.uk/embed.php?File=oxcal.html>.
- Reimer, P.J. et al. 2013. "IntCal13 and Marine13 Radiocarbon Age Calibration Curves 0–50,000 Years Cal BP." *Radiocarbon* 55 (4):1869–87.