Two Thousand Years in Dendi, Northern Benin

Archaeology, History and Memory

Edited by

Anne Haour



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Toutokayeri (TTO-14-SI, II & III)

Nicolas Nikis, Alexandre Livingstone Smith and Anne Haour

1 Location

Toutokayeri is a former settlement of Loumbou Loumbou, located just south-southeast of the present village. This settlement is said to have been abandoned sometime during the nineteenth century. It is located on a small plateau overlooking a humid valley, stretching south and east towards the Niger and feeding into the Kompagorou.

2 Geographical Coordinates

LAT: 12,2372830007225 LONG: 2,90778899565339 (WGS84).

3 Discovery

TTO-14-SI, II & III were identified and excavated by Nicolas Nikis and Alexandre Livingstone Smith on 27 January 2014 on the basis of local information.

4 Destruction Risks

The site is ploughed and part of it is on an eroding slope. It is not under any specific threat and mitigation measures are not urgent.

5 Site

Toutokayeri was a former village. The initial survey yielded a lot of ceramic material, among which we found folded strip roulette (rfp-1) decoration in some parts of the site, some *blepharis* decorated pottery, and a lot of undecorated material. The precise extent of the site is unknown but it covers the crest overlooking the valley to the north and the south. While the core of the site – as designated by the villagers – only yielded medium to low density pottery scatters, several concentrations were located on the crest overlooking the valley and below it, as well as on the opposite side of the valley. All were associated with rfp-1 decorated pottery.

6 Excavation

Toutokayeri had never been excavated before. Three test pits were excavated, all of them 1×1 m and excavated in spits of 10 cm, except for the superficial layer which was excavated in one spit of 20 cm. Within each spit, archaeological contexts were separated, sieved and bagged separately. All the spits were sieved down to 5 mm. Test pit SI was interrupted at 70 cm, 10 cm into sterile soil (compact yellow sand).

Stratigraphy

7

The stratigraphy of TTO-14-SI is shallow and simple, probably representing a single occupation event. It consists of a shallow feature of loose grey brown sand overlaying a pit filled with loose grey brown sand.

TTO-14-SII is located on the ridge overlooking the valley. The stratigraphy consists of three layers below the plough layer. The first is a layer of grey loose sand with charcoal fragments and artefacts fragments, mainly of pottery. This context overlays a unit of compact red silt (Context 2) with abundant rounded gravel, potsherds and charcoal. Below, at c. 45 cm, we found a layer of compact yellow sandy silt within which was a pottery pavement.

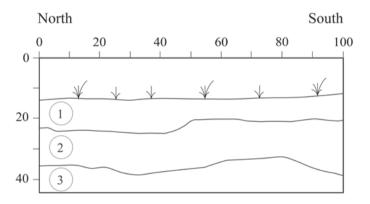
The stratigraphy of TTO-14-SIII is also shallow and simple, probably representing a single occupation event. It consists of a shallow layer of loose grey brown sand. Alternating layers of yellow and brown sand are visible in some parts of the southern profile.

TTO-14-SI and SIII are probably related to same horizon (late modern?). TTO-14- SII was, on the basis of the deposits and finds excavated, thought likely to be related to the medieval horizon already identified in most of the large tells of the valley, though, interestingly, it represents a much smaller area of occupation. This hypothetical date was subsequently borne out by ceramic analysis (Kay, pers. comm.) and by the radiocarbon date which yielded a Phase 4 age for level 20–30 (Beta-417596).

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FIGURE B.1 Site under excavation



8 Finds

As noted above, surface finds include potsherds displaying rfp-1 decoration on the crest and downslope as well as in SII, as well as perforated pottery, rfp-4 and rfp-5, and stabbed impressions. Small finds include a clay bead or possible spindle whorl and two cowries from SI (SF 2014-78, SF 2014-25 and SF 2014-26 respectively), a piece of glass from SII (SF 2014-37), and a strange item which we provisionally identified as metal from SIII (SF 2014-163). The pottery from the site as illustrated on Plate 3 clearly reveals the major differences between SI/SIII and SII: # 4 and 5 which are from SII show folded strip roulette, FIGURE B.2

- TTO-14-SIII, East section
- 1 Grey brown sand with top layer disturbed by ploughing
- 2 Loose grey-brown sand (pottery, faunal remains and charcoal)
- 3 Compact yellow sand (natural substratum)

stabbed decoration and appliqué nodules. # 1–3 and 6–9, which are from SI 0–20 and SIII above 30cm respectively, show painted decorations.

9 Interpretation and Cultural Attribution

The rather shallow deposits indicate a short span of occupation (perhaps one or two generations) for SI & III. SII, while slightly deeper than the other test pits, does not display the long stratigraphy seen at other sites. Oral testimonies, supported by the presence of newer types of pottery, may indicate a post-thirteenth century occupation. Yet the presence of rfp-1 pottery concentrations on the surface, the pavement in SII and the single radiocarbon date also support the hypothesis of an older occupation in the area. The glass from SII is from the surface level (o-2o) and does not put into question the identification of this layer as medieval. It is interesting to note this site is located far from the Niger River. At current conditions, the road heading west from the Niger River leaves the rather verdant riverside to cross a relatively arid-seeming flat plateau and reach the parklands around Loumbou Loumbou.

10 Radiocarbon Dates

Beta-	630	30	TTO-14-SII-178	Phase 4
	030	30		1 11430 4
417596			Toutokayori, S11.	
			Shallow stratigraphy	
			with one horizon	
			20–30 BD	

11 TTO 14 SI

TABLE B.1 Desampling

#	
445	
72	
11	
17	
545	
	445 72 11 17

Analysis by Anne Haour in the field and David Kay at UEA

TABLE B.2 Category 4

Context/spit	Undecorated	Illegible
0-20	55	
20-30	19	
30-40	1	
Pit Con. 2, 30–40	4	
Total	79	0

Analysis by David Kay

TABLE B.3 Category 3

Context	#	Burn	Dec 1	Dec 2	Dec 3	Dec 4	Dec 5	Dec 6	Dec 7
0-20	12	ext							
	1	ext/int							
	1		pnt-rc						
	1		pnt-rc	indis					
	2	ext	pnt-rc	plain					
	1		pnt-r (int)						
	2	ext	plain	pnt-rb					
	3		plain	pnt-rb					
	1		plain	pnt-rb	pnt-rb				
	1		pnt-rc	pnt-BlB	pnt-rc	pnt-rb			
	1	ext	plain	pnt-r					
	1	ext	plain	pnt-rp	pnt-r				
	1	ext/int	undec						
	2	ext/int	plain	pnt-rb					
20-30	7	ext							
	1		pnt-r						
	1	ext	plain	pnt-r					
	2		plain	pnt-rc					
	1		pnt-or-B	pnt-4-Br	pnt-4-Bl	pnt-Br-T	pnt-Br-L3	pnt-Bl-L-2	pnt-Bl-T
30-40	1		plain	rfp-1a					

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TABLE B.3 Category 3 (cont.)

Context	#	Burn	Dec 1	Dec 2	Dec 3	Dec 4	Dec 5	Dec 6	Dec 7
	1	int	rc-1a plain	indis sp1-l	sl-6	st-4			
Pit C 2, 30–40	4	ext							
Total	1 50	ext	plain	pnt-rb					

Analysis by David Kay

TABLE B.4 Rims

Context	#	R. type	Brn	Dec 1	Loc 1	Dec 2	Loc 2	Ang	Diam	Mx. Thick
0-20	1	E4	ext/int							0.6
	1	E4						4		0.6
	1	E4								0.6
	1	E4		pnt-r	L					0.3
	1	E4	ext/int	pnt-r	L	pnt-r	U(int)	4		0.7
	1	Eı								0.6
20-30	1	E4						4		0.5
	1	E_5						4		0.6
	1	E32						4		0.9
	1	S4								0.7
	1	S1	ext/int					3	20	0.6
Total	11									

Analysis by David Kay

12 TTO 14 SII

TABLE B.5 Desampling

Spit	#	
0-20	408	
20-30	71	
30-40	32	
40-50	58	
50-60	51	
60-70	15	
Total	635	

Analysis in the field by Anne Haour and Edith Anagonou Ahouéfa and at UEA by David Kay TABLE B.6 Category 4

Context	Undecorated	Illegible
0-20	13	21
20-30	5	7
30-40	3	5
40-50	2	4
50-60	2	4
50–60 60–70	1	3
Total	26	44

TABLE B.7	Category 3
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Context	#	Burn	Dec 1	Dec 2	Dec 3	Dec 4
0-20	18		roul			
	1	int				
	1	int	indis			
	1	ext				
	1	ext/int				
	2		rc-1b			
	1		rc-1a			
	3		rfp-4			
	1		rfp-1a	sl-1		
	2		rfp-1a	indis		
	2		rfp-1a			
	1		rfp-1b	indis		
	2		rfp-5			
	1		roul	sl-2	sl-1	
	1		roul	sc-3		
	2		sl-3			
	2		sl-4			
	1	ext	plain	indis	sl-2	
	1		plain	sl-2	is-geo 10	
	1		plain	roul	sl-2	
	1		sl-1			
	1	ext	plain	sl-1	roul	
	1		roul	sl-1		
	1		plain	rfp	sl-2	
	2		sl-2			
	1		sl-3	indis		
	1		sl-5	indis		
	1		sl-7	indis		
	1		peigEL-13			
	2	int	rfp-4			
	3		perforated	roul		
9-30	3		rfp-4			
	1		rfp-1a			
	1		rfp-1b			
	1		rfp-1a	indis		
	3		rfp-1b	indis		
	1		rc-1b	indis		
	1		sl-1			
	1		plain	sl-1	indis	
	2		roul			
	1		plain	roul		
	1	ext	mch-8 int			
	1		perforated			
0-40	6		roul			
	4		rfp-4			
	1	ext				
	1		rfp-1a	indis		

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TABLE B.7 Category 3 (cont.)

Context	#	Burn	Dec 1	Dec 2	Dec 3	Dec 4
	2		rfp-1b			
	2		rfp-1a			
	1		plain	rfp	sl-2	
	1		plain	sl-1	rfp-1a	
	1		sl-1			
	1		sc-4			
40-50	1	int	rfp-1a	indis		
	4	ext				
	1	int				
	9		roul			
	11		rfp-4			
	1		plain	rfp-1a	indis	
	9		rfp-1a	indis		
	2		rfp-1a			
	1		rfp-1b	indis		
	1		plain	sl-1	roul	
	1	int	plain	sl-3	roul	
	2		rfp-1b	sl-1		
50–60	1	int	_			
	1	ext	rfp-1a	sl-1	plain	
	2	int	roul		-	
	1		rfp-4			
	1		roul	sl-1		
	6		roul			
	1	ext	plain	sl-2	rc-1a	
	4		rfp-1a	indis		
	1	ext	plain	sl-1	sp4-v or sp4-l	
60-70	5		roul			
	2		rfp-4			
	2		rfp-1a	indis		
	1		rfp-1b	indis		
	1		rc-1a	indis		
	1	ext				
	1	ext	plain	sl-1	rfp-1a	indis
	1	ext	plain	sl-1	rc-1a	
	1	ext/int	L			
	1	ext/int	rpf-1a	indis		
	1	int	roul			
	1	int	indis			
Fotal	176					

TABLE B.8	Rims
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Context	#	R. Type	Brn	Dec 1	Lı	Ang	Diam	Mx. Thick
0-20	1	E4						0.6
	1	S4		sl-1	U	4		0.8
	1	E4						0.7
	1	S4		sl-1	U(int)	3		0.9
	1	S1	ext/int			4		0.7
	1	S1				4		0.7
	1	E10				4		0.8
	1	S1	ext			2	17	0.5
	1	S1	ext/int			2	10	0.6
	1	E11		sl-1	U	2		0.5
	1	S4				4		1.0
20-30	1	Eı	ext					0.5
	1	E4				4		0.7
	1	E10						0.7
	1	S4						0.9
	1	E4						0.7
	1	S4						0.6
	1	Eı	int			5		0.7
30-40	1	Cı	ext	sl-2	U	2	17	0.7
	1	E22				4		0.7
	1	E4				4		0.7
	1	S1		sl-2	U	3		0.8
40-50	1	Cı	ext/int	sl-1	U	2	10	0.5
	1	Cı	ext/int	sl-1	U	2	13	0.6
	1	S4				4	=	0.9
	1	S4				4		0.7
	1	S4	ext	sl-2	U	4		0.7
50-60	1	E32	ext/int					0.5
, 50–60	1	S4	ext	ch	U	2	23	0.7
-	1	S4	ext/int			4	~	0.6
60-70	1	E4	ext/int			4		0.8
	1	S4	ext/int			4		0.6
fotal	32					•		

13 **TTO** 14 **SIII**

TABLE B.9 Desampling		TABLE B.10 C	TABLE B.10 Category 4				
ontext	#	Context	Undecorated	Illegił			
20	329	0-20	43				
)	70	20-30	7				
	14	30-40	1				
	413	Total	51	0			

Analysis in the field by Anne Haour and at UEA by David Kay

TABLE B.11 Category 3

Context	Undecorated	Illegible
0-20	43	
20-30	7	
30-40	1	
30–40 Total	51	0

Analysis by David Kay

Context	#	Burnish	Dec 1	Dec 2	Dec 3	Dec 4
0-20	1	ext/int				
	15	ext				
	1	ext/int	sl-3			
	1		roul			
	2	ext	pnt-rc			
	1	ext	pnt-rc	plain		
	1		pnt-r	plain		
	1	ext/int	pnt-nl-1	plain		
	1	int	pnt-rb	plain		
	1	ext	pnt-rb	plain	pnt-rb	
	4		pnt-rb	plain		
	4	ext	pnt-rb	plain		
20-30	1		pnt-rb	plain		
	1	ext	pnt-rc			
	1		pnt-rc			
	1		sl-1			
	4	ext				
	1	ext	sl-1			
	1	int	roul			
	1	ext/int	pnt-r	plain		
	1	ext/int	undec			
30-40	1		rfp-1a	erod		
	1	ext/int				
	4	ext				
Total	51					

TABLE B.12 Rim	IS
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Context	#	R. type	Brn	Dec 1	Lı	Dec 2	L2	Dec 3	L ₃	Ang	Diam	Mx. Thick
0-20	1	S1								3		0.4
	1	Sı	ext/int							4		0.7
	1	S6	ext/int	plain	U	roul	U	sl-1	U-int	3	13	0.6
	1	S2		-						2		0.5
	1	Eı								4		0.7
	1	E4	ext/int	pnt-rc	C-int	plain	C-int	plain	С	5		0.6
	1	E4	ext/int	pnt-rc	C-int	plain	C-int	plain	С	4		0.5
20-30	1	E4	ext/int							4		0.6
	1	Eı	ext	pnt-r	L	plain	С	pnt-rb	С	4		0.7
	1	S6								3	20	0.6
Total	10											