

(up) Comparison between lithostratigraphical units in each site [RSD %]. (down) Comparison between corresponding units of both sites [RSD %]

site & samples	units	fine											coarse											Pb-Pb model age	⁸⁷ Sr/ ⁸⁶ Sr fine	⁸⁷ Sr/ ⁸⁶ Sr coarse	εNd fine	Burial age [Ma]			
		PSD mode [μm]	fractional [μm]	smectite in fine fraction [%]	Th / Cr	La / Co	Th / Sc	La N / Yb N	La N / Sm N	Gd N / Yb N	Eu / Eu *	Ce / Ce *	RE / RE E*	resemblance with the unit below (mean RSD)	drainage with most similar REE patterns	Th / Cr	La / Co	Th / Sc	La N / Yb N	La N / Sm N	Gd N / Yb N	Eu / Eu *	Ce / Ce *						RE / RE E*	resemblance with the unit below (mean RSD)	drainage with most similar REE patterns
OGS (1,4,7, 10,15, 25,30, 35,45, 55,65, 75,85, 90)	surficial (n=2)	235	125	55	0.3	3.6	1.2	7.2	3.9	1.3	0.7	0.9	1.0	6	OKV+Zambezi	0.3	4.2	0.9	7.3	4.1	1.2	0.7	0.9	0.8	6	OKV	0.73787	ND	-18.8		
	RSD [%]	5			8.5	5.2	0.4	18.9	3.5	16.5	0.0	4.8	7.2			1	12	1	4	0	2	2	2	9			1		5		
	upper (n=2)	204	125	10	0.4	4.3	1.5	8.4	4.3	1.3	0.6	0.9	1.0	9	OKV	0.4	4.3	1.0	10.1	4.5	1.5	0.6	0.9	0.8	5	OKV+Zambezi	0.74940	ND	-22.2	1.40 (n=2)	
	RSD [%]	3.5			18.6	16.2	15.2	0.2	2.6	0.6	7.1	1.1	3.0			1	12	3	10	2	7	4	1	3			1		-4	4.6	
	middle (n=3)	204	125	ND	0.3	2.6	1.4	8.4	3.6	1.6	0.7	1.2	1.1	5	NR	0.3	3.9	0.9	10.4	3.8	1.8	0.7	0.9	1.0	6	indistinct	0.74548	ND	-18.1	2.04 (n=1)	
	RSD [%]	5			5.8	19.4	1.9	9.0	6.3	9.2	2.4	7.3	7.4			3	8	12	15	10	11	1	4	8			3		6	ND	
	lower (n=5)	190	125	16	0.3	3.0	1.2	7.5	3.7	1.4	0.7	1.0	1.1	6	indistinct	0.4	4.2	0.9	8.2	3.7	1.5	0.6	0.9	0.9	2	indistinct	1128±70	0.74217	ND	-18.8	3.55 (n=2)
	RSD [%]	17		10	14.0	12.4	8.9	9.6	5.1	5.6	2.7	9.0	2.4			5	11	5	18	2	14	10	6	9			8		6	6.8	
	basal (n=2)	220	125	11	0.3	2.7	1.0	6.7	3.6	1.3	0.7	0.8	1.1		Zambezi	0.4	4.3	1.0	8.5	3.8	1.6	0.6	0.9	0.9		NR+Zambezi	0.72968	ND	-17.5	ND	
	RSD [%]	12			2.0	7.8	4.0	4.7	0.4	3.2	0.2	0.3	0.8			5	7	5	3	1	3	0	0	1			3.9		0.1	ND	
surficial (n=1)	349	75	75	0.2	1.3	1.3	6.3	2.9	1.5	0.7	1.5	1.0	7	Zambezi	0.2	1.6	0.9	7.7	3.2	1.6	0.6	1.1	0.8	6	OKV+Zambezi	0.73164	0.72949	-15.3			
upper (n=2)	320	105	51	0.2	0.9	1.2	8.0	3.2	1.8	0.7	1.3	1.1	13	OKV+Zambezi	0.2	1.1	1.1	8.9	3.4	1.8	0.7	1.2	0.9	19	Zambezi	1950±223	0.72395	0.72372	-15.5	1.16 (n=2)	

