

sample ID	corrected age (Ma)	corrected age minus fluvial lag	radius (μm)	U (ppm)	Th (ppm)	provenance		
time	+ (2 ₋) (Ma)	- (2 ₋) (Ma)	FT	Th/U (atomic)				
	Sm (ppm)	4He (nmol/g)						
1166A80_1	279	244	61	12	63.8	13.6	0	178
21.4	1	0	fluvial					
1166A80_2	176	141	59	7	47.3	21.6	19.1	141
25.3	1	0.905	fluvial					
1166A80_4	97.6	62.6	26.9	3.5	53.8	14.7	18.9	468
10.5	1	1.32	fluvial					
1166A80_5	200	165	65	45	43.3	17	189	330
67.7	1	11.4	fluvial					
1166A80_6	143	108	42	16	47.5	1.68	2.14	
76.7	1.78	1	1.3	fluvial				
1166A80_8	180	145	41	8	64.8	19.4	3.65	
73.5	20.1	1	0.193	fluvial				
1166A80_9	153	118	51	6	39	88.5	42.1	441
82.9	1	0.488	fluvial					
1166A60_1	270	235	11	11	37.8	65.3	13.8	309
73	0.716	0.217	fluvial					
1166A60_3	225	190	140	78	29	1.87	11.5	
44.8	5.71	1	6.31	fluvial				
1166A60_4	377	342	87	22		4.34	0	309
9.92	1	0.00938	fluvial					
1166A60_5	247	212	10	10	48.8	17.6	0.95	302
19.9	0.807	0.0554	fluvial					
1166A60_7	326	291	151	193	32.5	0	4.44	
11.8	1.89	1	10	fluvial				
1166A60_8	175	140	49	5	55.3	15.7	38.3	575
24.3	1	2.51	fluvial					
1166A60_9	175	140	75	9	34.5	139	1620	229
496	1	11.9	fluvial					
1166A60_10	304	269	12	12	50	15.1	15.1	
80.9	24.6	0.784	1.03	fluvial				
1166A60_11	153	118	42	7		6.23	1.86	
37.6	5.61	1	0.306	fluvial				
1166A60_12	250	215	85	11	37.5	61.1	0.547	340
84.8	1	0.00919	fluvial					
1166A60_15	199	164	64	8	38.3	46	7.09	328
52.3	1	0.158	fluvial					
1166A100_1	253	218	111	111	40.5	0.887	1.07	
91.1	1.23	0.71	1.24	fluvial				
1166A100_2	303	268	74	14	54	10.9	0	492
19.4	1	0	fluvial					
1166A100_3	175	140	47	8	51	5.1	6.59	
76.3	6.44	1	1.33	fluvial				

1166A100_4	218	183	9	9	40.5	40.8	18.9	529
	40.1	0.735	0.476	fluvial				
1166A100_5	151	116	33	6	56	29.7	8.85	193
	26.3	1	0.305	fluvial				
1166A100_7	305	270	13	13	53	16.8	1.21	95
	23.6	0.813	0.0737	fluvial				

for irregular/fragment/very rounded (IFVR) grains we used FT = 1

for substantially euhedral or only slightly rounded (SESR) grains we used an Ft taking into account polishing

for SESR grains we used 2 times analytical precision for both pos and neg uncertainty

for IFVR grains we used 2 times analytical prec for neg uncertainty and corrected age minus raw age for pos uncertainty

lag time of 35 Ma is applied to all fluvial samples to account for late Eocene deposition in erosion rate calculations