



Figure S1: Abanico plot of single grain quartz equivalent dose values for sample OSZ 17892.

Table S1 Summary of OSL results.

Terrace	Lab ID	Depth (cm)	Water content (%)	U (ppm)	Th (ppm)	K (%)	D* (Gy/ka)	Grain size (µm)	Age model	LM-OSL fast component sensitivity (cts/mg/Gy)	LM-OSL fast component ratio Mean±SE	De (Gy)	OSL age (ka)
T2/2	OSZ 1787	100	14±5	2.10±0.04	8.84±0.21	1.38±0.04	2.76±0.15	4-11	Mean±SE	-		75.31 ± 0.17	27.3±1.5
								90-300	MAM	753±22	5.69±0.67	65.46±5.11	28.7±2.5
	OSZ 1788	200	9±5	1.83±0.04	8.23±0.2	1.38±0.04	2.74±0.15	4-11	Mean±SE	-		110.81 ± 1.72	40.4 ± 2.3
								4-11	Mean±SE	-		102.93 ± 7.36	33.5±2.9
	OSZ 1789	480	13±5	1.96±0.04	8.92±0.22	1.82±0.06	3.07±0.15	90-300	MAM	410±71	3.67±0.67	67.29±5.15	26.1±2.2
								90-150	MAM	1249±36	7.42±0.14	90.16 ± 4.37	33.6 ± 1.9
	OSZ 1790	530	8±5	2.27±0.03	9.08±0.16	1.57±0.06	2.62 ± 0.08	90-150	MAM	1249±36	7.42±0.14	90.16 ± 4.37	33.6 ± 1.9
	OSZ 1791	550	1±5	0.92 ± 0.02	3.27±0.1	1.04±0.03	1.54 ± 0.09	150-220	MAM	802±48	3.90±0.27	56.79 ± 3.55	36.8 ± 3.1
T2/1	OSZ 1792	570	7±5	1.56±0.02	5.01±0.09	1.05±0.04	1.71 ± 0.08	150-220	MAM	870±217	4.52±0.61	64.91 ± 3.45 59.33 ± 4.8*	38.0 ± 2.7 33.9 ± 3.1*
	OSZ 1793	620	3±5	0.71±0.01	2.61±0.05	1.02±0.04	1.41 ± 0.09	220-300	CAM	174±50	3.28±0.15	51.09 ± 1.53	36.4 ± 2.5
	OSZ 1794	100	14±5	1.67±0.04	7.73±0.19	1.39±0.04	2.55±0.13	4-11 90-300	Mean±SE MAM	- 157±14	 4.27±0.29	40.29 ± 0.23 31.53±2.32	15.8±0.8 14.8±0.8
	OSZ 1795	200	13±5	2.19±0.04	9.1±0.21	1.48±0.05	2.44±0.08	220-300	CAM	203±25	3.79±0.24	74.46 ± 1.76	30.5±1.2

*Results of single-grain measurements