

APPENDIX

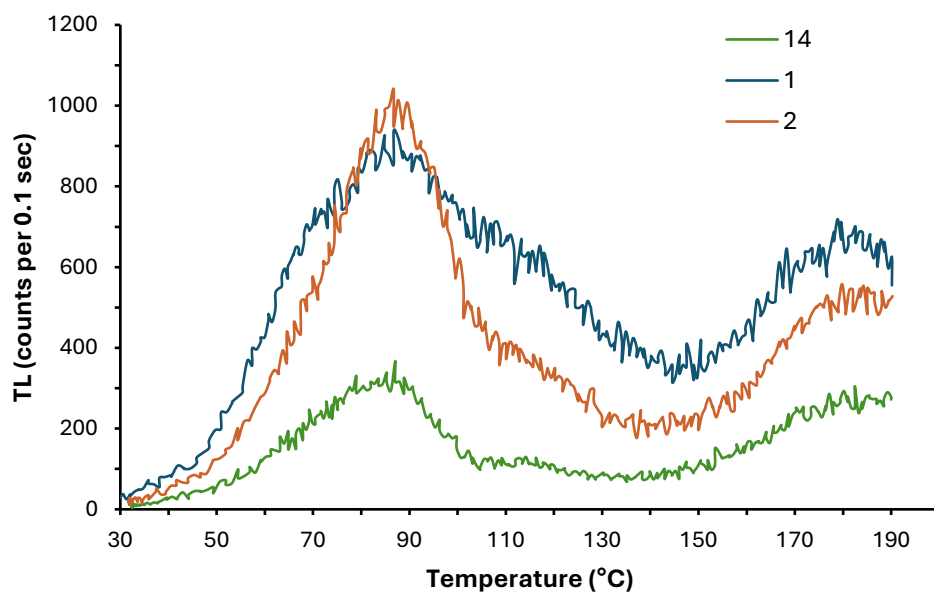
Exploring the relationships between Electron Spin Resonance (ESR)/Optically Stimulated Luminescence (OSL) properties and trace element composition in various quartz-bearing bedrocks (Strengbach catchment, Vosges)

Hélène Tissoux, Magali Rizza, Claire Aupart, Gilles Rixhon, Pierre G. Valla, Manon Boulay, Philippe Lach
and Pierre Voinchet

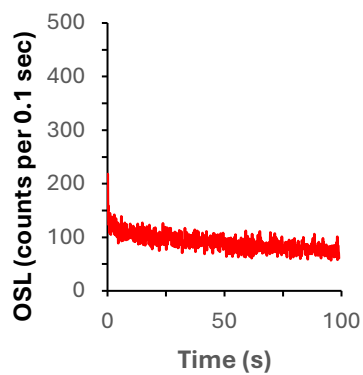
TL_{110°C} and OSL_{125°C} measurements for samples presented in the manuscript.

sample	Sample code	lithology	Average OSL sensitivity (cts/Gy*mg)	Average TL 110 °C sensitivity (cts/Gy*mg) sensitivity
SRT2201	1	Monotonous gneiss unit - z1e	14 ± 5	1174 ± 39
SRT2202	2	Monotonous gneiss unit - z1e	47 ± 8	1102 ± 69
SRT2210	10	Bilstein granite - γ1d	44 ± 8	475 ± 71
SRT2214	14	Monotonous gneiss unit - z1d	14 ± 0.7	269 ± 14
SRT2215	15	Thannenkirch granite - γ1b	100 ± 13	1244 ± 98
SRT2217	17	Thannenkirch granite (Verreries facies) - γ1b	114 ± 8	2192 ± 252
SRT2220	20	Brézouard granite - γ1c	86 ± 8	776 ± 39
SRT2229	29	Vosgian sandstone basal unit - t1a	254 ± 64	3274 ± 548
SRT2230	30	Undifferentiated Vosgian sandstone and conglomerate	111 ± 23	1435 ± 175
SRT2232	32	Turckheim granite - γ1e	23 ± 3	1837 ± 172
SRT2233	33	Turckheim granite - γ1e	35 ± 8	774 ± 275
STR2243	43	Brézouard granite - γ1c	174 ± 10	1023 ± 261
SRT2244	44	Sandstones	103 ± 23	1485 ± 50
SRT2245	45	Brézouard granite - γ1c	158 ± 23	2033 ± 261
SRT229A	9A	Bilstein granite - γ1d	46 ± 4	543 ± 52
STR229B	9B	Bilstein granite - γ1d	61 ± 33	491 ± 309

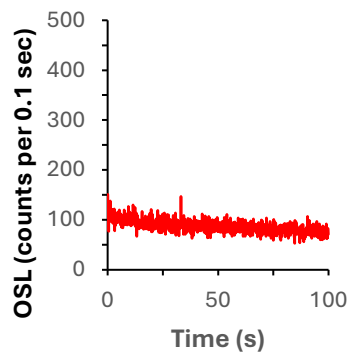
samples : 01,02,14



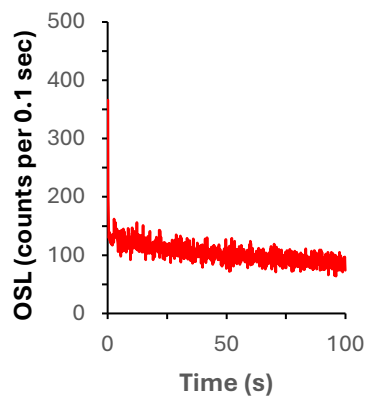
OSL decay
#01



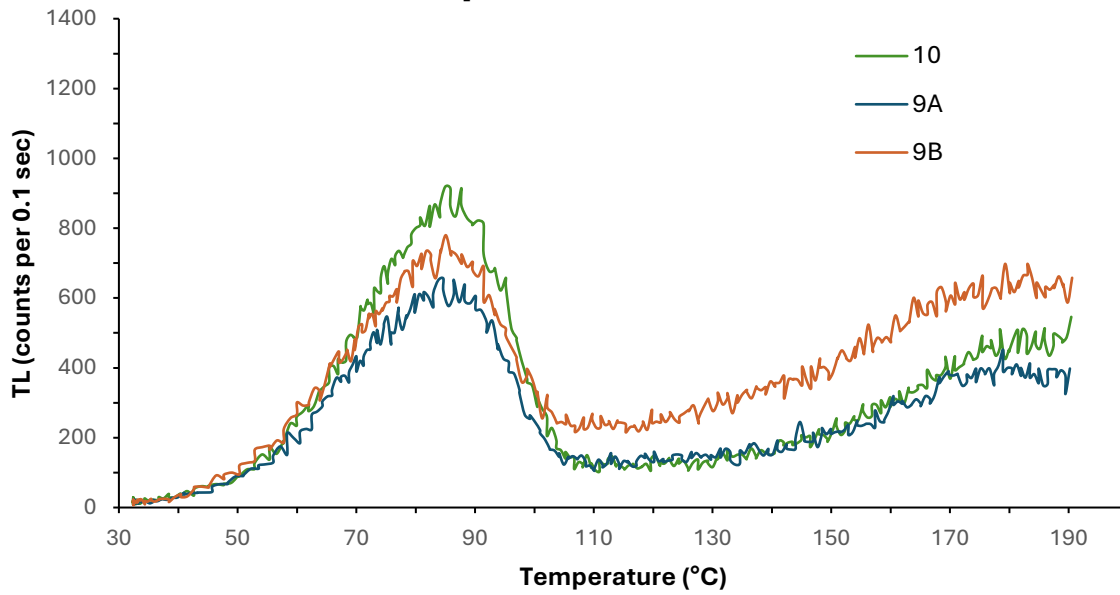
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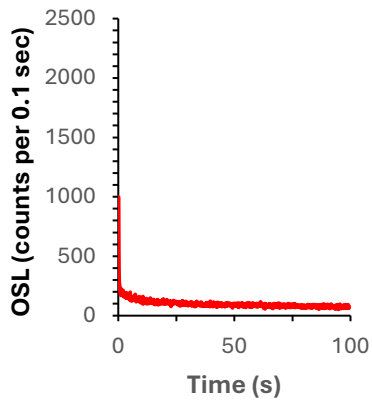
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#14



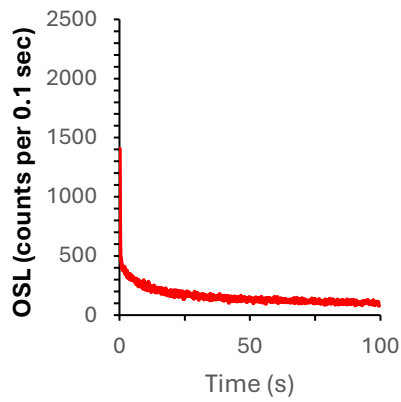
samples : 9A, 9B,10



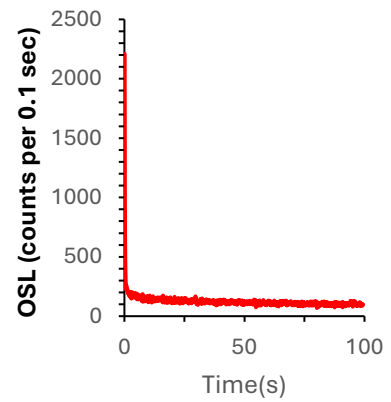
OSL decay
#9A

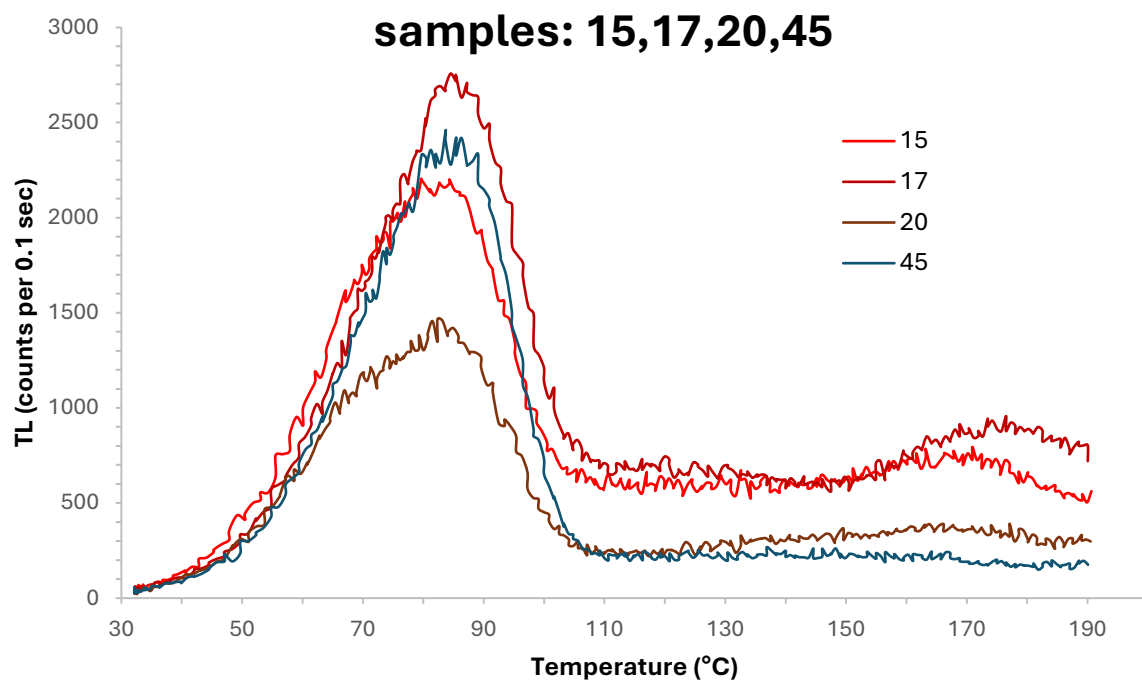


OSL decay
#9B

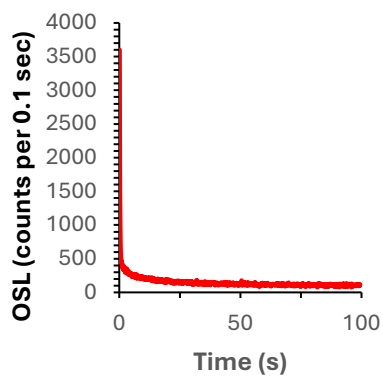


OSL decay
#10

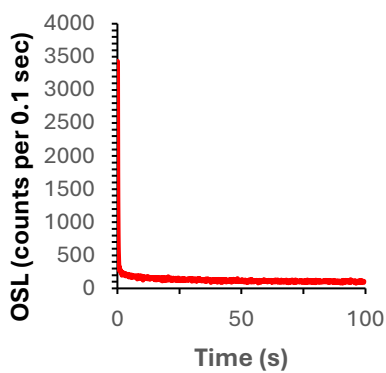




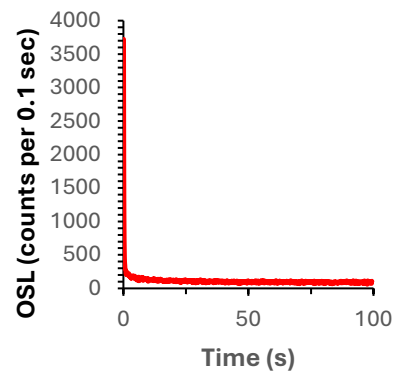
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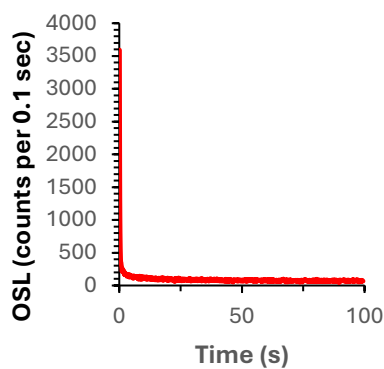
OSL decay
#17



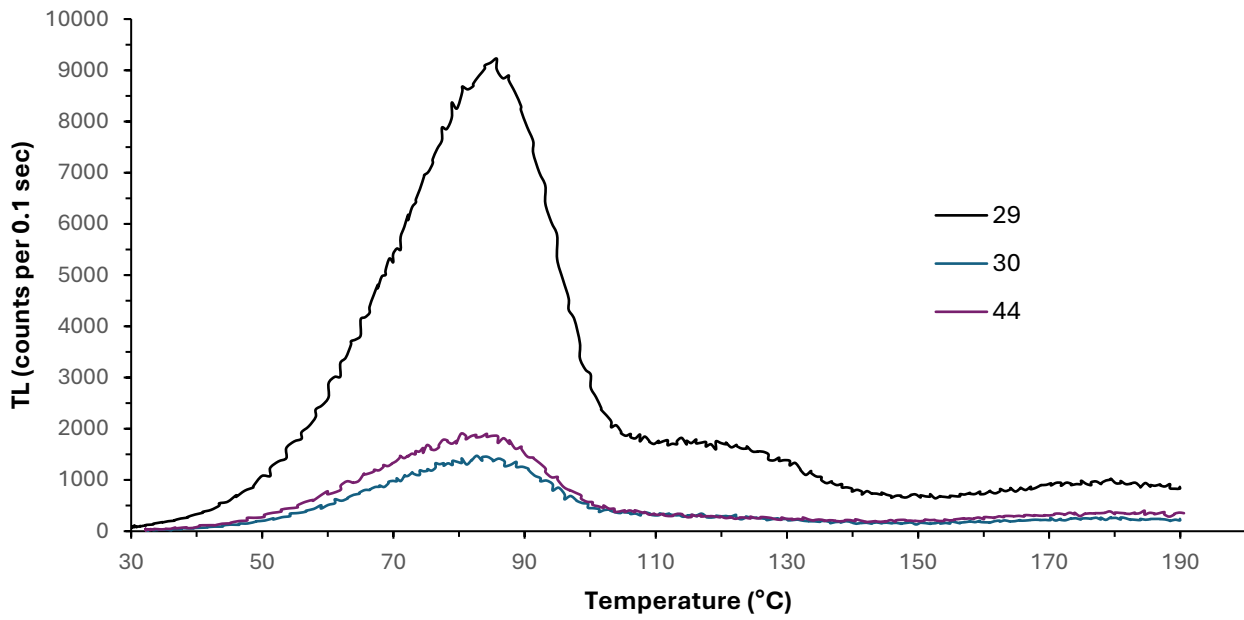
OSL decay
#20



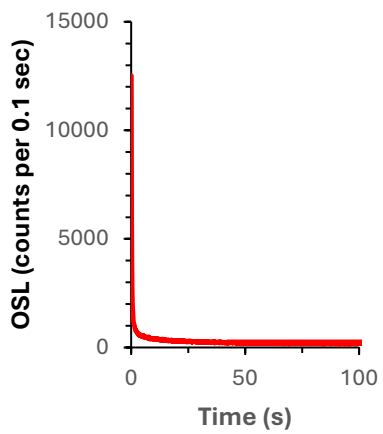
OSL decay
#45



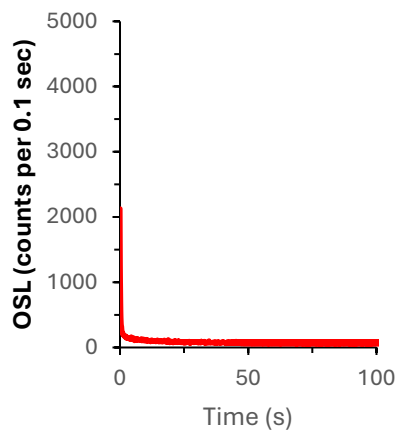
samples : 29, 30, 44



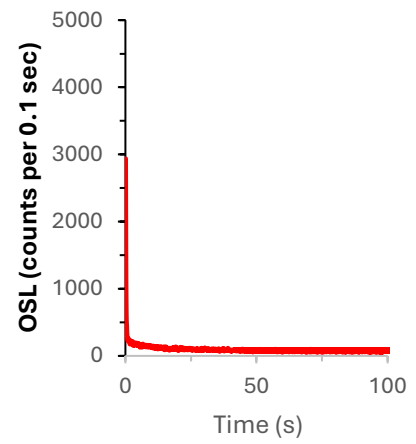
OSL decay
#29



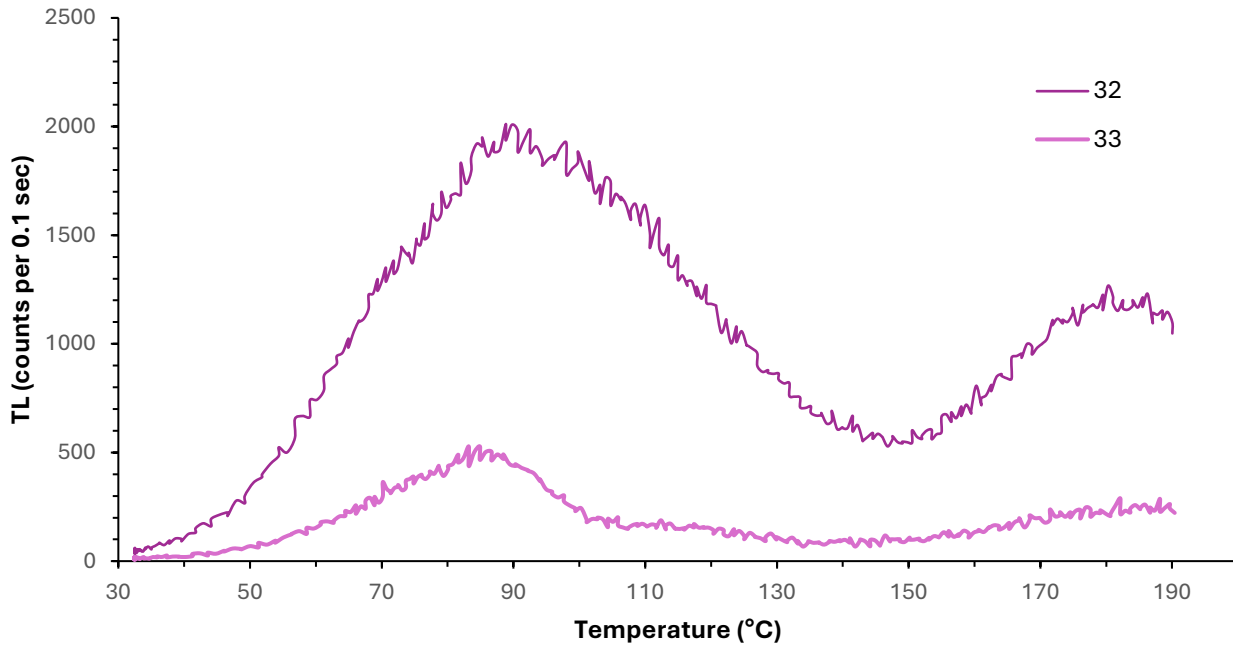
OSL decay
#30



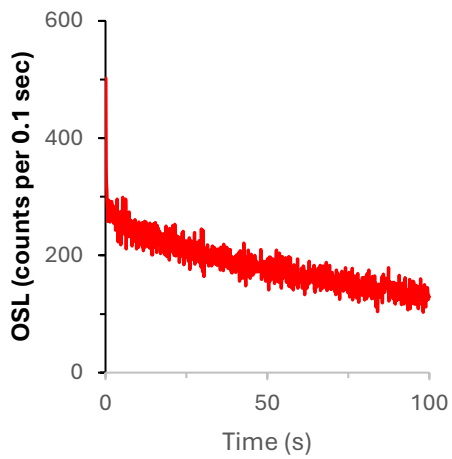
OSL decay
#44



samples: 32,33



OSL decay
#32



OSL decay
#33

