

Supplemental Data

Table S1.

TABLE S1

EDS Measured Composition of KCeSZ-1 Glass Surface After 2 h Hydrothermal Exposures At
Various Temperatures

KCeSZ-1 Glass Hydrothermal Temperature	EDS At%	O	Si	K	Ce	Zr
Point Spectra						
<i><u>Precipitates</u></i>						
300		65.8 ± 8.53	16.7 ± 4.31	15.5 ± 4.54	1.37 ± 0.413	0.556 ± 0.139
500		54.2 ± 8.25	22.1 ± 2.89	20.4 ± 4.57	1.87 ± 0.273	1.51 ± 0.750
600		63.5 ± 5.50	17.9 ± 4.38	16.4 ± 1.19	1.62 ± 0.529	0.616 ± 0.142
700		64.4 ± 2.56	19.3 ± 0.967	14.1 ± 1.72	1.60 ± 0.144	0.558 ± 0.0810
Point Spectra						
<i><u>Flat Glass</u></i>						
300		76.5 ± 1.13	12.7 ± 0.543	9.49 ± 1.23	1.00 ± 0.0488	0.350 ± 0.0157
500		70.3 ± 0.978	15.7 ± 0.482	11.8 ± 0.445	1.74 ± 0.0391	0.483 ± 0.0336
600		59.9 ± 1.08	21.1 ± 0.575	16.2 ± 0.442	2.10 ± 0.0367	0.758 ± 0.0792
700		66.2 ± 3.82	18.7 ± 1.91	13.0 ± 1.69	1.57 ± 0.158	0.540 ± 0.0978
<i><u>~1 mm Area EDS</u></i>						
300		66.4	18.0	13.6	1.46	0.569
500		65.5	18.5	13.7	1.55	0.732
600		65.5	18.2	14.1	1.53	0.681
700		64.8	19.0	14.1	1.43	0.633