Table S1

	SiO_2	Na_2O	K_2O	MgO	CaO	Al_2O_3	FeO	P_2O_5	TiO_2	MnO	CoO	NiO	CuO	ZnO	As_2O_3	SrO	BaO	ZrO_2	PbO	Sb_2O_3	SnO_2	SO_3
ESFS 76-C-150	55.5	9.5	1.5	6.8	22.0	4.3	0.3	-	-	-	0.1	-	-	0.1	-	-	-	0.2	-	-	-	-
ESFS 76-C-151	56.0	4.8	7.3	3.1	19.1	3.9	0.3	4.0	0.2	0.5	-	-	0.1	-	0.1	-	-	-	0.8	-	-	-
Corning A	66.6	14.3	2.9	2.7	5.0	1.0	1.1	0.1	0.8	1.0	0.2	0.0	1.2	0.0	-	0.1	0.6	0.0	0.1	1.8	-	0.2
Corning B	61.6	17.0	1.0	1.0	8.6	4.4	0.3	0.8	0.1	0.3	0.0	0.1	2.7	0.2	-	0.0	0.1	0.0	0.6	0.5	0.0	0.5
Corning C	34.9	1.1	2.8	2.8	5.1	0.9	0.3	0.1	0.8	0.8	0.2	0.0	1.1	0.1	-	0.3	11.4	0.0	36.7	0.0	0.2	0.2
BGIRA 3	58.0	7.5	5.4	2.1	5.8	1.6	3.0	-	-	-	-	-	3.0	-	-	-	-	-	9.8	-	3.1	0.2
BGIRA 4	42.0	5.0	3.9	1.5	4.1	3.6	3.0	-	-	-	-	-	3.3	-	-	-	-	-	30.4	-	3.0	0.3
DLH 1	25.0	1.0	1.0	0.3	1.0	4.0	1.0	-	-	-	-	-	-	-	-	-	-	-	67.0	-	-	-
DLH 2	40.1	7.3	2.8	0.9	2.9	4.2	0.9	-	-	-	0.4	-	-	-	-	-	-	-	36.4	-	4.1	-
AR2 Meissen	59.9	0.5	3.3	0.1	1.2	34.6	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Composition of XRF standards, weight % oxide

Element	R_2	SE	Observations	Line equation
Si	0.64	8.65	10	y = 0.0023x + 24.279
K	0.75	1.06	10	y = 0.0000468x + 1.1424963
Ca	0.97	1.34	10	y = 0.0000308x + 1.6901379
Al	0.99	0.78	10	y = 0.0196x + 0.372
Fe	0.85	0.43	10	y = 0.00000636x + 0.03230983
P	1.00	0.06	4	y=0.0019x + 0.029
Ti	0.99	0.05	4	y = 0.0000149x - 0.0011534
Mn	0.98	0.09	3	y = 0.00000496x + 0.06938027
Co	0.56	0.10	5	y = 0.00000481x + 0.01857784
Ni	0.98	0.01	3	y = 0.00000239x + 0.00711018
Cu	0.63	0.86	6	y = 0.00000226x + 0.57874789
Zn	0.96	0.01	10	y = 0.00000168x + 0.02428989
Sr	0.08	0.19	3	y = 0.00000210x + 0.08254440
Zr	1.00	0.003	4	y = 0.00000357x - 0.00727049
Sn	0.88	0.74	5	y = 0.000417x - 0.273590
Pb	0.90	8.16	8	y = 0.0000203x - 3.8476295

Regression analysis data