	s																								
Point Comment	SiO2(Mass I 44 402	MgO(Mas	CaO(Mass 18 969	K2O(Mass 0.048	TiO2(Mass	P2O5(Mas 0.014		-0.014	NiO(Masss		Al2O3(Ma '	Total(Mass%)	Name		MgO 0.09782									AI2O3 To	otal
1 SI Anorthite Line 001 2 SI Anorthite Line 002	44.402 44.623	0.058	18.969	0.048	-0.005	-0.014	0.467	-0.014 -0.021	-0.001	0.545	35.543 35.531	100.039 99.971	Spc_018 SI Anorthite Spc_020 SI Anorthite	44.5975		19.2901	0	0	0.10836	0.52636	0.07062	0.03755	0.60283		102.377
3 SI Anorthite Line 002	44.582	0.051	19.024	0.032	0.022	0.014	0.521	-0.021	-0.001	0.523	35.421	100.19	Spc_020 SI Anorthite	44.8544	0.08472				0.13586		0.00881			36.9665	
4 SI Anorthite Line 004	44.53	0.039	19.05	0.041	-0.021	0.022	0.475	-0.067	-0.011	0.49	35.481	100.029	Spc_022 SI Anorthite	44.6458	0.13032	19.1862	0	0.01685	0.17824	0.3849	0	0.1105	0.59164	36.9805	102.225
5 SI Anorthite Line 005	44.678	0.039	18.936	0.023	-0.009	0.022	0.427	0.028	-0.026	0.494		100.014	Spc 023 SI Anorthite	44.6702	0.13247			0.11442	0.23895		0.03357	0.04646	0.5516		102.617
SI Anorthite	44 -		19.09	0.03			0.62			0.53	36.03	100.33	SI Anorthite		<0.02	19.09	0.03			0.62			0.53		100.33
mean SD	44.563 0.10511	0.0442	18.9574	0.0348	-0.006 0.01987	0.0106	0.475		-0.0058	0.5156	35.4756	0.0832	mean SD	0.09838		19.3092		0.03503		0.4815				36.9396	
Abs Err	0.563	0.01134	-0.1326	0.00978	0.01567	0.01702	-0.145	0.03423	0.01333	-0.0144	-0.5544	-0.2814	Abs Err	0.69834	0.0212	0.21925	-0.03	0.04787	0.04323	-0.1385	0.03467	0.04		0.90956	
Rel Err	0.0128		-0.00695	0.16			-0.23387			-0.02717		-0.0028	Rel Err	0.01587		0.01149	-1			-0.22338			0.08949	0.02524	
Abs SSE	0.66317		Rel SSE	0.08148		Sum SD	0.50968		Sum RSD	-5.62171			Abs SSE	1.38538		Rel SSE	1.05893		Sum SD	0.80437		Sum RSD	#DIV/0!		
6 SI SCOL Line 001	39.684 39.972	48.028 47.801	0.113	0.033	-0.006	0.01	9.855	0.102	0.379	0.006	0.03	98.234	Spc 024 SI Scol	41.3663	49.2812	0.09625			0.05315					0.08996	101.78
7 SI SCOL Line 002 8 SI SCOL Line 003	39.972	47.765	0.098	0.043	-0.006	0.026	9.919 9.531	0.147	0.375	0.017	0.009	98.401 97.98	Spc 025 SI Scol	41.5/15	49.3104			0.06288	0					0.10697	
9 SI SCOL Line 004	39.579	48.018	0.138	0.032	0.006	-0.006	9.694	0.141	0.324	0.004	0.022	97.952	Spc 027 SI Scol	41.426	49.4392			0.00434	0					0.07484	
10 SI SCOL Line 005	39.695	48.429	0.092	0.027	-0.005	-0.002	9.824	0.145	0.337	0.018	0.025	98.585	Spc_028 SI Scol	41.4132	49.0518		0.02747	0.02836	0				0.33093	0.09015	
SI SCOL mean	40.81 39.7846	49.42 48.0082	<0.05 0.1168	0.0298	-0.004	0.00	9.55	0.14	0.37	0.0102	0.0238	100.29 98.2304	SI SCOL mean	40.81	49.42			0.02419	0.00	9.55	0.14	0.37			100.29
mean SD	0.18639	0.2644	0.1168	0.0298	0.00579	0.0182	0.15419	0.1234	0.02386		0.0238	98.23U4 0.2716	mean SD			0.10031			0.01063	0.07243				0.08705	
Abs Err		-1.4118	0.02302	0.01037	0.00373	0.0182	0.2146	-0.0166	-0.0152	0.00072	0.00331	-2.0596	Abs Err	0.6306		0.02131	0.0237	0.02450		0.50886			0.03333		1.51978
Rel Err	-0.02513	-0.02857					0.02247	-0.11857	-0.04108			-0.02054	Rel Err	0.01545	-0.00329					0.05328	0.04313	-0.01394			0.01515
Abs SSE	3.09152		Rel SSE	0.0177		Sum SD	1.01342		Sum RSD	2.02489			Abs SSE	0.68328		Rel SSE	0.00514		Sum SD	0.60948		Sum RSD	5.79573		
11 SI Diopside a 12 SI Diopside b	55.983 56.019	17.973 17.912	25.436 25.285	0.021	0.015	0.014	0.224	0.009	-0.009	0.195		100.109	Spc_030 SI Diopside Spc_031 SI Diopside	55.6591 55.7237	18.3141		0	0.00917	0.04238	0.22106				0.37498	
12 SI Diopside b 13 SI Diopside c	56.273	17.912	25.285	0.032	0.004	-0.022	0.196	-0.035	-0.002	0.246		100.168	Spc_U31 SI Diopside Spc_032 SI Diopside	55.7237	18.1493	25.5874		0.00133	0.04238	0.20409	0.01807	0.06263	0.34913		100.522
14 SI Diopside d	55.793	17.75	25.568	0.08	0.003	0.089	0.255	0.069	-0.065	0.519	0.272	100.333	Spc_033 SI Diopside	56.0204	18.4608	25.7157	0.03772	0.09925	0	0.14107	0.00387	0.00649	0.34145	0.40786	101.235
15 SI Diopside e	56.416	17.997	25.598	0.019	0.022	0.037	0.168	0.002	0.013	0.173		100.652	Spc_034 SI Diopside	55.7034	18.2743		0	0.13044	0	0.2001	0.09037	0		0.34625	
(preferred) SI Diopside	55.81	17.79	25.28				0.25	0.04		0.25	0.11	99.53	SI Diopside	55.81	17.79	25.28				0.25	0.04		0.25	0.11	99.53
mean SD	56.0968 0.2471	17.8888	25.446 0.13658	0.0338	0.0118	0.028	0.2294	0.027	-0.018 0.02995	0.2746	0.2794	100.298	mean SD	55.7803 0.14288	18.2687	25.6762	0.00754		0.00848	0.1822	0.03669	0.03417	0.35574	0.41353	100.812
Abs Err	0.2868	0.0988	0.13038	0.02047	0.00011	0.04042	-0.0206	-0.013		0.0246		0.7676	Abs Err	-0.02967		0.39618	0.01087	0.00207	0.01033		-0.00331	0.04429		0.30353	
Rel Err			0.00657				-0.0824	-0.325		0.0984		0.00771	Rel Err	-0.00053		0.01567				-0.2712	-0.08274			2.75938	
Abs SSE	0.14947		Rel SSE	2.4938		Sum SD	1.11231		Sum RSD	4.11793			Abs SSE	0.49489		Rel SSE	7.87444		Sum SD	0.8882		Sum RSD	8.56997		
16 SI Hornblende Line 001	40.044	12.383	9.952	2.187	4.55	-0.014	10.822	0.106	0.027	2.487	14.362	96.906	Spc_035 SI Hornblende	40.4138	12.6993	10.0166	3.02226	4.83353	0.10791	10.6495	0.08288	0.11953	2.94862	15.0047	99.8986
17 SI Hornblende Line 002	39.913	12.358	9.797	2.131	4.639	0.036		0.136	0.029	2.615	14.278	96.773	Spc 036 SI Hornblende		12.8626					11.0155			3.00752		100.66
18 SI Hornblende Line 003	40.087	12.352	9.927	2.114	4.669	0.028	10.79	0.045	0.039	2.542	14.246	96.839	Spc 037 SI Hornblende	40.6547	12.7344				0.08248			0.02801		15.0816	
19 SI Hornblende Line 004 20 SI Hornblende Line 005	40.069 40.127	12.389	9.933	2.131	4.623	0.008	10.816	0.086	-0.045	2.48	14.266	96.846	Spc_038 SI Hornblende Spc_039 SI Hornblende	40.5097		10.0054		5.02468	0 04376	10.8545	0.15995	0	3.04945	15.1138	100.349
SI Kakanui Hornblende	40.37	12.8	10.3	2.05	4.72	0.00	10.9193	0.09	0.003	2.6	14.9	100.02	SI Kakanui Hornblende	40.37	12.8	10.3	2.05	4.72	0.00	10.9193	0.09		2.6		100.02
mean	40.048	12.363	9.9108	2.1606	4.6176		10.7952	0.0972	0.0274	2.5476		96.8686	mean	40.5203			3.04195					0.05288			100.431
SD		0.02303	0.06437		0.04419	0.01936			0.01851		0.04431		SD	0.11166		0.03875				0.13611		0.06072			0.32357
Abs Err Rel Frr	-0.322 -0.00798	-0.437 -0.03414	-0.3892 -0.03779	0.1106 0.05395	-0.1024 -0.02169	0.0144	-0.12414 -0.01137	0.0072		-0.0524 -0.02015	-0.6132 -0.04115	-3.1514	Abs Err Rel Err	0.15027	-0.05048 -0.00394	-0.26906	0.99195	0.27473	0.05613	-0.06347 -0.00581	0.01674			0.15272	0.4108
Abs SSE	0.86328		Rel SSE	0.01467		Sum SD	0.57739		Sum RSD	2.45004	0.04215	0.03131	Abs SSE	1.32394		Rel SSE	0.40300						2 31525	0.01013	0.00411
21 SI A99 Line 001													ADS SSE						Sum SD	1.08546		Sum RSD			
21 SI A99 LINE 001		4 000	0.022	0.003	2.074	0.410	12 202	0.174	0.034	3.547	12 205	07.053		50 4047										12.0002	00 0000
22 SLAGG Line 002	50.774	4.808	8.833	0.892	3.974	0.418	13.203	0.174	0.024	2.547	12.305	97.952 98.373	Spc_040 SI A99	50.4947	4.91813	9.08553	1.14282	4.10728	0.54045	13.5434	0.06158	0	3.00429		99.8065
22 SI A99 Line 002 23 SI A99 Line 003	50.856 51.023	4.893 4.85	8.833 8.89 8.955	0.892 0.887 0.884	3.909 3.95	0.418 0.392 0.495	13.203 13.512 13.294	0.174 0.201 0.183	0.024 -0.061 0.025	2.547 2.608 2.527	12.305 12.286 12.259	97.952 98.373 98.445			4.91813	9.08553 8.99627	1.14282 1.19825	4.10728 4.15299	0.54045 0.62063	13.5434 13.5753	0.06158 0.25781	0	3.00429 3.03583	12.9083 12.8512 12.841	99.9963
23 SI A99 Line 003 24 SI A99 Line 004	50.856 51.023 51.102	4.893 4.85 4.947	8.89 8.955 8.975	0.887 0.884 0.896	3.909 3.95 3.894	0.392 0.495 0.345	13.512 13.294 13.324	0.201 0.183 0.158	-0.061 0.025 0.011	2.608 2.527 2.611	12.286 12.259 12.39	98.373 98.445 98.653	Spc_040 SI A99 Spc_041 SI A99 Spc_042 SI A99 Spc_043 SI A99	50.3116 50.7431 50.5296	4.91813 4.99638 4.95162 4.93172	9.08553 8.99627 9.01362 9.05908	1.14282 1.19825 1.19235 1.13752	4.10728 4.15299 4.14882 4.18868	0.54045 0.62063 0.52235 0.55236	13.5434 13.5753 13.457 13.4193	0.06158 0.25781 0.21159 0.22308	0 0 0.00242 0	3.00429 3.03583 3.03327 3.08517	12.8512 12.841 12.7953	99.9963 100.117 99.9218
23 SI A99 Line 003 24 SI A99 Line 004 25 SI A99 Line 005	50.856 51.023 51.102 51.418	4.893 4.85 4.947 4.918	8.89 8.955 8.975 8.961	0.887 0.884 0.896 0.862	3.909 3.95 3.894 3.883	0.392 0.495 0.345 0.409	13.512 13.294 13.324 13.113	0.201 0.183 0.158 0.179	-0.061 0.025	2.608 2.527 2.611 2.604	12.286 12.259 12.39 12.218	98.373 98.445 98.653 98.614	Spc_040 SI A99 Spc_041 SI A99 Spc_042 SI A99 Spc_043 SI A99 Spc_044 SI A99	50.3116 50.7431 50.5296 50.3963	4.91813 4.99638 4.95162 4.93172 5.02822	9.08553 8.99627 9.01362 9.05908 8.96647	1.14282 1.19825 1.19235 1.13752 1.23525	4.10728 4.15299 4.14882 4.18868 4.18368	0.54045 0.62063 0.52235 0.55236 0.50242	13.5434 13.5753 13.457 13.4193 13.4763	0.06158 0.25781 0.21159 0.22308 0.26491	0 0 0.00242	3.00429 3.03583 3.03327 3.08517 3.06131	12.8512 12.841 12.7953 12.9329	99.9963 100.117 99.9218 100.182
23 SI A99 Line 003 24 SI A99 Line 004 25 SI A99 Line 005 SI A99 basaltic glass	50.856 51.023 51.102 51.418 50.94	4.893 4.85 4.947 4.918 5.08	8.89 8.955 8.975 8.961 9.3	0.887 0.884 0.896 0.862 0.82	3.909 3.95 3.894 3.883 4.06	0.392 0.495 0.345 0.409 0.38	13.512 13.294 13.324 13.113 13.3026	0.201 0.183 0.158 0.179 0.15	-0.061 0.025 0.011 0.049	2.608 2.527 2.611 2.604 2.66	12.286 12.259 12.39 12.218 12.49	98.373 98.445 98.653 98.614 99.39	Spc_040 Si A99 Spc_041 Si A99 Spc_042 Si A99 Spc_043 Si A99 Spc_044 Si A99 Si A99 basaltic glass	50.3116 50.7431 50.5296 50.3963 50.94	4.91813 4.99638 4.95162 4.93172 5.02822 5.08	9.08553 8.99627 9.01362 9.05908 8.96647 9.3	1.14282 1.19825 1.19235 1.13752 1.23525 0.82	4.10728 4.15299 4.14882 4.18868 4.18368 4.06	0.54045 0.62063 0.52235 0.55236 0.50242 0.38	13.5434 13.5753 13.457 13.4193 13.4763 13.3026	0.06158 0.25781 0.21159 0.22308 0.26491 0.15	0 0.00242 0 0.1343	3.00429 3.03583 3.03327 3.08517 3.06131 2.66	12.8512 12.841 12.7953 12.9329 12.49	99.9963 100.117 99.9218 100.182 99.39
23 SI A99 Line 003 24 SI A99 Line 004 25 SI A99 Line 005	50.856 51.023 51.102 51.418 50.94 51.0346	4.893 4.85 4.947 4.918	8.89 8.955 8.975 8.961	0.887 0.884 0.896 0.862	3.909 3.95 3.894 3.883 4.06 3.922	0.392 0.495 0.345 0.409	13.512 13.294 13.324 13.113 13.3026 13.2892	0.201 0.183 0.158 0.179	-0.061 0.025 0.011 0.049	2.608 2.527 2.611 2.604 2.66 2.5794	12.286 12.259 12.39 12.218 12.49 12.2916	98.373 98.445 98.653 98.614	Spc_040 SI A99 Spc_041 SI A99 Spc_042 SI A99 Spc_043 SI A99 Spc_044 SI A99	50.3116 50.7431 50.5296 50.3963	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521	9.08553 8.99627 9.01362 9.05908 8.96647 9.3	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124	4.10728 4.15299 4.14882 4.18868 4.18368 4.06	0.54045 0.62063 0.52235 0.55236 0.50242	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942	0.06158 0.25781 0.21159 0.22308 0.26491	0 0 0.00242 0 0.1343	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397	12.8512 12.841 12.7953 12.9329 12.49 12.8658	99.9963 100.117 99.9218 100.182
23 SI A99 Line 003 24 SI A99 Line 004 25 SI A99 Line 005 SI A99 basaltic glass mean SD Abs Err	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772	0.887 0.884 0.896 0.862 0.82 0.8842 0.01324 0.0642	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343	0.201 0.183 0.158 0.179 0.15 0.179	-0.061 0.025 0.011 0.049 0.0096 0.04178	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973	Spc_040 SI A99 Spc_041 SI A99 Spc_042 SI A99 Spc_043 SI A99 Spc_044 SI A99 SI A99 basaltic glass mean SD Abs Err	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124	4.10728 4.15299 4.14882 4.18868 4.18368 4.06 4.15629 0.03266 0.09629	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04496 0.16764	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538	0 0 0.00242 0 0.1343	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.03063 0.38397	12.8512 12.841 12.7953 12.9329 12.49 12.8658 0.05501 0.37576	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475
23 SI A99 Line 003 24 SI A99 Line 004 25 SI A99 Line 005 SI A99 basaltic glass mean SD Abs Err Rel Err	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.00186	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056	0.887 0.884 0.896 0.862 0.8842 0.01324 0.0642 0.07829	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333	-0.061 0.025 0.011 0.049 0.0096 0.04178	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0303	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973	Spc_040 Si A99 Spc_041 Si A99 Spc_042 Si A99 Spc_043 Si A99 Spc_044 Si A99 Si A99 basaltic glass mean SD Abs Err Rel Err	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493 -0.00873	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124 0.44053	4.10728 4.15299 4.14882 4.18868 4.18368 4.06 4.15629 0.03266 0.09629 0.02372	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04496 0.16764	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538	0 0.00242 0 0.1343 0.02734 0.0598	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.03063 0.38397 0.14435	12.8512 12.841 12.7953 12.9329 12.49 12.8658 0.05501	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475
23 SI A99 Line 003 24 SI A99 Line 004 25 SI A99 Line 005 SI A99 basaltic glass mean SD Abs Err Rel Err Abs SSE	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772	0.887 0.884 0.896 0.862 0.82 0.8842 0.01324 0.0642	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333	-0.061 0.025 0.011 0.049 0.0096 0.04178	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973	Spc_040 — SI A99 Spc_041 — SI A99 Spc_042 — SI A99 Spc_043 — SI A99 Spc_044 — SI A99 SI A99 basaltic glass mean SD Abs Err Abs SSE	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124	4.10728 4.15299 4.14882 4.18868 4.18368 4.06 4.15629 0.03266 0.09629 0.02372	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04496 0.16764	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538	0 0.00242 0 0.1343 0.02734 0.0598	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.03063 0.38397	12.8512 12.841 12.7953 12.9329 12.49 12.8658 0.05501 0.37576	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475
23 St A69 Line 003 24 St A69 Line 004 25 St A69 Line 005 St A69 basaltit glass mean S0 Abs Err Rei Err Abs SSE	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.00186 0.26102	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE	0.887 0.884 0.896 0.862 0.82 0.8842 0.01324 0.0642 0.07829 0.05599	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0303 4.65067	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973 -0.9826 -0.00989	Spc_040 — SI A99 Spc_041 — SI A99 Spc_042 — SI A99 Spc_043 — SI A99 Spc_044 — SI A99 Spc_044 — SI A99 SI A99 basaltic glass mean SD Abs Err Rel Err Rel Err Spc_045 — SI VG2	50.3116 50.7431 50.5296 50.3963 50.994 50.4951 0.16286 -0.44493 -0.00873 0.78331	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 -0.04796 -0.27581 -0.02966 Rel SSE	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124 0.44053 0.5413	4.10728 4.15299 4.14882 4.18868 4.18368 4.06 4.15629 0.03266 0.09629 0.02372	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04496 0.16764 0.44116 Sum SD	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538 0.35865	0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.03063 0.38397 0.14435 2.75394	12.8512 12.841 12.7953 12.9329 12.49 12.8658 0.05501 0.37576 0.03008	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619
23 St A99 Line 003 24 St A99 Line 004 25 St A99 Line 005 St A99 Stabilit glass mean SD Abs Err Re Err Abs \$5E 26 St VG2 Line 001 27 St VG2 Line 001 27 St VG2 Line 002	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.00186 0.26102	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.738	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.858	0.887 0.884 0.896 0.862 0.82 0.8842 0.01324 0.0642 0.07829 0.05599	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.923	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0303 4.65067	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973 -0.9826 -0.00989	Spc_040 Si A99 Spc_041 Si A99 Spc_041 Si A99 Spc_042 Si A99 Spc_043 Si A99 Spc_044 Si A99 Spc_044 Si A99 Spc_045 Si A99 Abs Err Rel Err Abs SSE Spc_045 Si VG2 Spc_046 Si VG2	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124 0.44053 0.5413	4.10728 4.15299 4.14882 4.18868 4.18368 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04496 0.16764 0.44116 Sum SD	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.7939 11.874	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538 0.35865	0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD	3.00429 3.03583 3.03587 3.08517 3.06131 2.66 3.04397 0.03063 0.38397 0.14435 2.75394 3.02302 2.95064	12.8512 12.841 12.7953 12.9329 12.49 12.8658 0.05501 0.37576 0.03008	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619
23 9 A09 Line 003 24 9 A09 Line 004 25 91 A09 Line 005 51 A09 basafit glass mean 50 Abs Err Rel Err Abs 55 26 51 VGZ Line 001 27 51 VGZ Line 002 28 51 VGZ Line 002 28 51 VGZ Line 002	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.00186 0.26102 50.196 50.393 50.327	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.738 6.665	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.858 10.661	0.887 0.884 0.896 0.862 0.8842 0.01324 0.0642 0.07829 0.05599 0.209 0.215	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.523 11.52	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0303 4.65067	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973 -0.9826 -0.00989 98.021 98.804 97.916	Spc_040 — Si A99 Spc_041 — Si A99 Spc_042 — Si A99 Spc_042 — Si A99 Spc_043 — Si A99 Spc_044 — Si A99 Spc_044 — Si A99 Spc_044 — Si A99 Shasaltic glass mean Shas SE Rel Err Rel Err Abs SSE Spc_045 — Si VG2 Spc_046 — Si VG2 Spc_046 — Si VG2 Spc_047 — Si VG2	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9086 11.0108	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124 0.44053 0.5413 0.27113 0.27727 0.23437	4.10728 4.15299 4.14882 4.18868 4.18368 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387 1.88701	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04496 0.16764 0.44116 Sum SD 0.30539 0.39932 0.35236	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.7939 11.874 11.5718	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538 0.35865 0.26814 0.25885 0.16564	0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.03063 0.38397 0.14435 2.75394 3.02302 2.95064 2.99943	12.8512 12.841 12.7953 12.9329 12.49 12.8658 0.05501 0.37576 0.03008 14.4704 14.4196 14.3937	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004
23 St A99 Line 003 24 St A99 Line 004 25 St A99 Line 005 St A99 Stabilit glass mean SD Abs Err Re Err Abs \$5E 26 St VG2 Line 001 27 St VG2 Line 001 27 St VG2 Line 002	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.00186 0.26102	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.738	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.858	0.887 0.884 0.896 0.862 0.82 0.8842 0.01324 0.0642 0.07829 0.05599	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.523 11.52	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0303 4.65067	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973 -0.9826 -0.00989	Spc_040 Si A99 Spc_041 Si A99 Spc_041 Si A99 Spc_042 Si A99 Spc_043 Si A99 Spc_044 Si A99 Spc_044 Si A99 Spc_045 Si A99 Abs Err Rel Err Abs SSE Spc_045 Si VG2 Spc_046 Si VG2	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9086 11.0108 10.8413	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04093 0.36124 0.44053 0.5413 0.27713 0.27727 0.23437 0.34559	4.10728 4.15299 4.14882 4.18868 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387 1.88701 1.9212	0.54045 0.62063 0.52235 0.55236 0.55236 0.50242 0.38 0.54764 0.04696 0.44116 Sum SD 0.30539 0.39932 0.39539 0.39539 0.39539	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.7939 11.874 11.5718	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.0263 0.03263 0.035865	0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD 0.0098 0	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.03063 0.38397 0.14435 2.75394 3.02302 2.95064 2.99943	12.8512 12.841 12.7953 12.9329 12.49 12.8658 0.05501 0.37576 0.03008 14.4704 14.4196 14.3937 14.632	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619
2 3 A 909 Line 000 3 2 4 S A 909 Line 000 4 25 S A 909 Line 000 5 S A 909 Line 000 5 S A 909 Line 100 5 S A 909 Line 100 5 S A 90 Line 100 5 S A 90 Line 100 5 S D A 90 Line 100 1 2 S VG2 Line 000 2 25 S VG2 Line 000 2 25 S VG2 Line 000 3 25 VG2 Line 000 3 C 90 VG2 Line 000 5 C 90 Line 100 5 S VG2 Line 000 5 C 90 Line 100 5 S VG2 Line 005 S VG2 Line	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.26102 50.196 50.393 50.327 50.568 50.435 50.81	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.738 6.665 6.724 6.783 6.783	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.858 10.661 10.57 10.745 11.12	0.887 0.884 0.896 0.862 0.8842 0.01324 0.0642 0.07829 0.25599 0.215 0.218 0.225 0.216 0.19	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794 1.791 1.809	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD 0.214 0.162 0.176 0.183 0.226 0.2 0	13.512 13.294 13.324 13.313 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.923 11.52 11.761 11.499 11.8366	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0303 4.65067 2.576 2.613 2.541 2.647 2.589	12.286 12.259 12.39 12.249 12.2916 0.06398 -0.1984 -0.01588 13.7 13.887 13.79 13.741 13.727	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973 -0.9826 -0.00989 98.021 98.804 97.916 98.397 98.397	Spc_040 — SI A99 Spc_041 — SI A99 Spc_042 — SI A99 Spc_043 — SI A99 Spc_043 — SI A99 Spc_044 — SI A99 SI A99 basattic glass mean Abs Str Rei Err Abs SSS Spc_046 — SI VG2 Spc_046 — SI VG2 Spc_046 — SI VG2 Spc_049 — SI VG2	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.1628 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199 50.5559 50.327 50.81	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694 6.95216 6.95216	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 -0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9086 11.0108 10.8413 10.9405 11.12	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124 0.44053 0.5413 0.27113 0.27727 0.23437 0.34559 0.25691 0.19	4.10728 4.15299 4.14882 4.18868 4.18368 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387 1.88701 1.9212 1.95773 1.85	0.54045 0.62063 0.52235 0.55236 0.55236 0.50242 0.38 0.54764 0.04496 0.16764 0.44116 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30531 0.30531	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.7939 11.874 11.5718 12.0595 11.7638	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.08263 0.0538 0.35865 0.26814 0.25885 0.16564 0.11193 0.13698 0.22	0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD 0.0098 0 0.17529	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.13063 0.38397 0.14435 2.75394 3.02302 2.95064 2.99029 3.0481 2.98029	12.8512 12.841 12.7953 12.9329 12.49 12.8658 0.05501 0.37576 0.03008 14.4704 14.4196 14.3937 14.632 14.4101 14.06	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004 100.782 100.1
2 3 A 909 Line 003 24 3 A 909 Line 004 25 3 A 909 Line 005 51 A 99 basaltic glass mean 50 Abs Err Red Err Abs 55E 26 51 VG2 Line 001 27 51 VG2 Line 002 28 51 VG2 Line 002 29 51 VG2 Line 003 39 51 VG2 Line 004 30 51 VG2 Line 005 (preferred) S1 VG2 Line 004	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.00186 0.26102 50.196 50.393 50.327 50.568 50.435 50.815	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.665 6.724 6.783 6.95 6.7286	8.89 8.955 8.955 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.858 10.661 10.57 10.745 11.12	0.887 0.884 0.896 0.862 0.882 0.01324 0.05599 0.209 0.215 0.218 0.225 0.216 0.19	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794 1.771 1.809 1.85 1.7796	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD 0.214 0.162 0.176 0.183 0.226 0.2	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.00101 1.06186 11.508 11.923 11.52 11.761 11.499 11.8366 11.6422	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0806 2.576 2.576 2.613 2.541 2.647 2.59 2.62 2.5932	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588 13.7 13.887 13.79 13.741 13.727 14.06 13.769	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973 -0.9326 -0.00989	Spc_040 - 51 A99 Spc_041 - 51 A99 Spc_042 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_044 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 VG2 Spc_046 - 51 VG2 Spc_046 - 51 VG2 Spc_047 - 51 VG2 Spc_048 - 51 VG2 Spc_047 - 51 VG2 Spc_049 - 51 VG2	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199 50.5559 50.327 50.389	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694 6.95216 6.95004	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9086 11.0108 10.8413 10.9405 11.12 10.9265	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124 0.44053 0.5413 0.27727 0.23437 0.34559 0.25691 0.190	4.10728 4.15299 4.14882 4.18868 4.18368 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387 1.88701 1.9212 1.95773 1.85 1.92307	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04496 0.16764 0.44116 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30631 0.2 0.31057	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.7939 11.874 11.5718 12.0595 11.7638 11.8366 11.8126	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.008263 0.0538 0.35865 0.26814 0.25885 0.16564 0.11193 0.13698 0.22	0 0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD 0.0098 0 0 0.17529 0	3.00429 3.03583 3.03587 3.08517 3.06131 2.66 3.04397 0.03063 0.38397 0.14435 2.75394 3.02302 2.95064 2.99943 2.98029 3.0481 2.62 3.0003	12.8512 12.841 12.7953 12.49 12.8658 0.05501 0.37576 0.03008 14.4704 14.4196 14.3937 14.652 14.4101 14.06 14.4652	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004 100.782 100.1 100.1 100.1
23 9 A09 Line 003 24 9 A09 Line 004 25 9 A09 Line 005 91 A09 basht ic glass mean SD Abs Err Rel Err Abs SSE 26 9 VC2 Line 001 27 9 Vc2 Line 002 28 9 Vc2 Line 003 29 Vc2 Line 000 30 9 Vc2 Line 005 (preferred) 1V C2 basht ic glass mean	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.00186 0.26102 50.196 50.393 50.327 50.435 50.435 50.81 50.81 50.838 0.13705	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.665 6.724 6.783 6.785 6.726 6.728 6.728	8.89 8.955 8.965 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.858 10.661 10.57 10.745 11.12 10.7524 0.1446	0.887 0.884 0.896 0.82 0.8842 0.01324 0.07829 0.07829 0.25599 0.215 0.216 0.19 0.216 0.196 0.2166 0.196	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794 1.771 1.809 1.85 1.7796 0.02176	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD 0.214 0.162 0.176 0.183 0.226 0.2	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.923 11.52 11.761 11.499 11.8366 11.6422 0.19132	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211 0.22 0.2096 0.04996	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0303 4.65067 2.576 2.613 2.541 2.589 2.592 2.922	12.286 12.259 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588 13.77 13.887 13.79 13.741 13.727 14.06 13.769 0.07361	98.373 98.445 98.653 98.614 99.39 98.4074 0.27973 -0.9826 -0.00989 98.021 98.804 97.916 98.397 98.226 100.1 98.7728 0.35018	Spc. 040 - 51 A99 Spc. 041 - 51 A99 Spc. 042 - 51 A99 Spc. 043 - 51 A99 Spc. 044 - 51 A99 Spc. 045 - 51 A99 Spc. 045 - 51 A99 Spc. 045 - 51 A99 Spc. 046 - 51 A99 Spc. 048 - 5	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199 50.5559 50.327 50.81 50.3898 0.11205	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694 6.95216 6.95216 6.9504	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 Rel SSE 10.9312 10.9086 11.0108 10.8413 10.9405 11.12 10.9405 10.9616	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.36124 0.44053 0.5413 0.27713 0.27727 0.23437 0.25691 0.19 0.27705 0.04172	4.10728 4.15299 4.14882 4.18868 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387 1.88701 1.9212 1.95773 1.85 1.92307	0.54045 0.62063 0.52235 0.52235 0.55236 0.50242 0.38 0.4764 0.04496 0.16764 0.44116 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30631 0.2 0.31057 0.078	13.5434 13.5753 13.457 13.4193 13.4763 13.4942 0.06386 0.1916 0.0144 0.81762 11.7939 11.874 11.5718 12.0595 11.7638 11.8366 11.8126 0.17708	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538 0.35865 0.26814 0.25885 0.16564 0.11193 0.13698 0.22	0 0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD 0.0098 0 0 0.17529 0	3.00429 3.03583 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.13435 2.75394 3.02302 2.55064 2.99943 2.98029 3.0481 2.62 3.0003 0.03764	12.8512	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004 100.782 100.1 100.1 100.1 100.2
2 3 A 909 Line 003 24 3 A 909 Line 004 25 3 A 909 Line 005 51 A 99 basaltic glass mean 50 Abs Err Red Err Abs 55E 26 51 VG2 Line 001 27 51 VG2 Line 002 28 51 VG2 Line 002 29 51 VG2 Line 003 39 51 VG2 Line 004 30 51 VG2 Line 005 (preferred) S1 VG2 Line 004	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.09186 0.26102 50.196 50.393 50.327 50.568 50.435 50.838 0.13705 -0.4262	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.738 6.665 6.724 6.783 6.95 6.7286 0.04223 -0.04223	8.89 8.955 8.955 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.858 10.661 10.57 10.745 11.12	0.887 0.884 0.896 0.862 0.8842 0.01324 0.05599 0.215 0.218 0.225 0.216 0.19 0.00577 0.0266	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794 1.771 1.809 1.85 1.7796	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD 0.214 0.162 0.176 0.183 0.226 0.2	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.923 11.761 11.499 11.8366 11.6422 0.19435 -0.19435	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0806 2.576 2.576 2.613 2.541 2.647 2.59 2.62 2.5932	12.286 12.259 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588 13.77 13.887 13.79 13.741 13.727 14.06 13.769 0.07361	98.373 98.445 98.645 98.614 99.39 98.4074 0.27973 -0.9826 -0.00989 98.021 98.804 97.916 98.397 98.226 100.1 98.2728 0.35018 -1.8272	Spc_040 - 51 A99 Spc_041 - 51 A99 Spc_042 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_044 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 VG2 Spc_046 - 51 VG2 Spc_046 - 51 VG2 Spc_047 - 51 VG2 Spc_048 - 51 VG2 Spc_047 - 51 VG2 Spc_049 - 51 VG2	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199 50.5559 50.327 50.389	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694 6.95216 6.95216 6.95216 6.95216 3.8505	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9086 11.0108 10.8413 10.9405 11.12 10.9265 0.06106 -0.019353	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.36124 0.44053 0.5413 0.27713 0.27727 0.23437 0.25691 0.19 0.27705 0.04172	4.10728 4.15299 4.14882 4.18868 4.1868 4.06 4.15629 0.03266 0.09629 1.92554 1.92387 1.88701 1.9212 1.95773 1.85 1.95773 1.85 0.02506	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04416 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30531 0.2 0.30539 0.30539 0.30539 0.30539 0.30539 0.30539 0.30539	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.5718 12.0595 11.638 11.8366 11.8126 0.17708	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538 0.35865 0.26814 0.25885 0.16564 0.11193 0.13698 0.22 0.18831 0.07129	0 0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD 0.0098 0 0 0.17529 0	3.00429 3.03583 3.03583 3.03527 3.08517 3.06131 2.66 3.04397 0.0363 2.75394 3.02302 2.95064 2.99029 3.0481 2.62 3.0003 0.03764 0.3803	12.8512 12.841 12.7953 12.49 12.8658 0.05501 0.37576 0.03008 14.4704 14.4196 14.3937 14.652 14.4101 14.06 14.4652	99.9963 100.117 99.9218 100.082 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004 100.782 100.1 100.2 100.1 100.2 100.1
2 3 A 909 Line 003 2 4 3 A 909 Line 004 2 5 34 A 909 Line 005 51 A 97 basaltic glass mean 50 Abs Err Rel Err Abs 55E 26 51 VG2 Line 001 27 51 VG2 Line 002 28 51 VG2 Line 002 39 51 VG2 Line 003 30 51 VG2 Line 004 50 51 VG2 Line 005 50 51 VG2	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.09186 0.26102 50.196 50.393 50.327 50.568 50.435 50.838 0.13705 -0.4262	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.738 6.665 6.724 6.783 6.95 6.7286 0.04223 -0.2214 -0.03186	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.858 10.661 10.75 11.12 10.7524 0.14662 -0.3676	0.887 0.884 0.896 0.862 0.8842 0.01324 0.05599 0.215 0.218 0.225 0.216 0.19 0.00577 0.0266	3.909 3.95 3.894 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.771 1.809 1.85 1.7796 0.02176 -0.0704 -0.03805	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.0214 0.162 0.176 0.183 0.226 0.2	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.923 11.761 11.499 11.8366 11.6422 0.19435 -0.19435	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211 0.222 0.2096 0.04996	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014	2.608 2.527 2.611 2.604 2.66 2.5794 0.0394 -0.0806 -0.0303 4.65067 2.576 2.613 2.541 2.647 2.589 2.62 2.5932 0.03976 -0.0268	12.286 12.259 12.39 12.218 12.49 12.2916 0.0638 -0.1984 -0.01588 13.7 13.887 13.79 13.741 13.727 14.06 13.769 0.07361 -0.291	98.373 98.445 98.645 98.614 99.39 98.4074 0.27973 -0.9826 -0.00989 98.021 98.804 97.916 98.397 98.226 100.1 98.2728 0.35018 -1.8272	Spc_040 - 51 A99 Spc_041 - 51 A99 Spc_041 - 51 A99 Spc_042 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 VG2 Spc_046 - 51 VG2 Spc_046 - 51 VG2 Spc_046 - 51 VG2 Spc_047 - 51 VG2 Spc_049 - 51 VG2 Spc_040 - 51 VG2 Spc_04	50.3116 50.7431 50.5296 50.3963 50.94 50.94 50.16226 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199 50.5559 50.327 50.81 50.3898 0.11205	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694 6.95216 6.95004 0.05071 3.8E-05 5.4E-06	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9086 11.0108 10.8413 10.9405 11.12 10.9265 0.06106 -0.019353	1.14282 1.19825 1.19235 1.13752 1.23525 0.822 1.18124 0.04098 0.36124 0.44053 0.5413 0.27727 0.23437 0.34559 0.25691 0.19 0.27705 0.19 0.27705 0.04172	4.10728 4.15299 4.14882 4.18868 4.1868 4.06 4.15629 0.03266 0.09629 1.92554 1.92387 1.88701 1.9212 1.95773 1.85 1.92307 0.02506 0.07307 0.0395	0.54045 0.62063 0.52235 0.55236 0.50242 0.38 0.54764 0.04416 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30531 0.2 0.30539 0.30539 0.30539 0.30539 0.30539 0.30539 0.30539	13.5434 13.5753 13.457 13.4193 13.4063 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.5718 12.0595 11.7638 11.874 11.8126 0.17708 -0.02395	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.0263 0.05263 0.05263 0.25885 0.26814 0.25885 0.16564 0.11193 0.13698 0.22 0.18831 0.07129 -0.03169	0 0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD 0.0098 0 0 0.17529 0	3.00429 3.03583 3.03583 3.03517 3.06131 2.66 3.04397 0.03063 0.38397 0.14435 2.75394 3.02302 2.995064 2.99943 2.99902 3.0481 2.692 3.003 0.03764 0.3803 0.14515	12.8512 12.841 12.7953 12.7953 12.9329 12.49 12.658 0.05501 0.37576 0.03008 14.4704 14.4196 14.3937 14.652 14.4101 14.06 14.4652 0.09757 0.0515 15	99.9963 100.117 99.9218 100.082 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004 100.782 100.1 100.2 100.1 100.2 100.1
23 9 A09 Line 003 24 9 A09 Line 004 25 9 A09 Line 005 91 A09 basht ig Juss mean SD Abs Err Rel Err Abs SSE 26 9 Ve2 Line 001 27 9 Ve2 Line 002 28 9 Ve2 Line 003 29 Ve2 Line 000 30 9 Ve2 Line 005 (preferred) 19 Ve2 basht ig Juss mean SD Abs Err Rel Err	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.09186 0.00186 0.26102 50.196 50.393 50.327 50.568 50.435 50.81 50.383 50.437 50.464 60.464	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.665 6.724 6.783 6.955 6.7286 0.04223 -0.2214 -0.03186	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.661 10.57 10.745 11.12 10.7524 0.14462 -0.03306 Rel SSE	0.887 0.884 0.896 0.862 0.8842 0.01324 0.0642 0.07829 0.05599 0.215 0.218 0.225 0.216 0.00577 0.2166 0.00577	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.771 1.809 1.85 1.7796 0.02176 -0.03805	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0318 0.08368 Sum SD 0.214 0.162 0.176 0.183 0.226 0.226 0.22682 -0.039 Sum SD	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.923 11.52 11.761 11.499 11.8366 11.6422 0.19132 -0.19435 -0.01642 1.11418	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211 0.22 0.2096 0.40996	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014 0.0056 0.0311 Sum RSD	2.608 2.527 2.611 2.604 2.660 2.5794 0.03942 -0.0806 -0.0303 4.65067 2.576 2.613 2.541 2.589 2.62 2.5932 0.03976 -0.0268 -0.01023 6.03016	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588 13.7 13.887 13.79 13.741 13.727 14.06 13.769 0.07361 -0.291 -0.0207	98.373 98.445 98.653 98.653 98.654 99.39 98.4014 99.39 98.4014 99.39 98.4074 0.27973 0.9826 0.00899 98.001 98.001 98.201 98.201 98.201 98.205 0.100.1825 99.208	Spc_040 — 51 A99 Spc_041 — 51 A99 Spc_041 — 51 A99 Spc_042 — 51 A99 Spc_043 — 51 A99 Spc_043 — 51 A99 Spc_043 — 51 A99 Spc_044 — 51 A99 Spc_045 — 51 A99 Spc_045 — 51 VG2 Spc_045 — 51 VG2 Spc_045 — 51 VG2 Spc_046 — 51 VG2 Spc_046 — 51 VG2 Spc_046 — 51 VG2 Spc_046 — 51 VG2 Spc_047 — 51 VG2 Spc_047 — 51 VG2 Spc_048 — 51 VG2 Spc_049 — 51 VG2 Spc_04	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16226 -0.44493 0.78331 50.3899 50.2564 50.4199 50.5559 50.327 50.3898 0.11205 -0.4017 -0.00827	4.91813 4.99638 4.95162 4.93172 5.02822 5.0882 10.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694 6.95216 6.95216 6.95216 6.953 6.9504 0.05071 3.8E-05 5.4E-06	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9086 11.0108 10.8413 10.9405 11.12 10.9265 0.06106 -0.19353 -0.0174 Rel SSE	1.14282 1.19282 1.19235 1.13752 1.23525 0.82 1.31525 0.44053 0.5413 0.27127 0.23437 0.27727 0.23437 0.27691 0.19 0.2705 0.45818 0.56015	4.10728 4.15299 4.14882 4.18868 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387 1.88701 1.9212 1.95773 1.85 0.07307 0.02506 0.07307 0.0395	0.54045 0.62063 0.52235 0.55236 0.55236 0.38 0.4496 0.16764 0.44116 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30631 0.2 0.31057 0.078 0.11057 0.55284 Sum SD	13.5434 13.5753 13.4763 13.4763 13.4962 10.06386 0.1916 0.0144 0.81762 11.7939 11.874 11.5718 12.0595 11.7638 11.8366 11.8126 0.17708 -0.02395 -0.02022 115881	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.08263 0.08263 0.0538 0.35865 0.16564 0.11193 0.13698 0.22 0.18831 0.07129 -0.03169	0 0 0.00242 0 0.1343 0.02734 0.0598 Sum RSD 0 0.17529 0 0.03702 0.07741 Sum RSD	3.00429 3.03583 3.03327 3.08517 3.06131 2.66 3.04397 0.03063 0.38397 0.14435 2.75394 3.02302 2.95064 2.99029 3.0481 2.62 3.0003 0.03764 0.3803 0.14515 2.93394	12.8512 12.841 12.7953 12.7953 12.9329 12.49 12.8658 0.05501 0.37576 0.03008 14.4704 14.4196 14.3937 14.652 14.4101 14.06 14.4552 0.09757 0.40515 0.02882	99.9963 100.117 99.9218 100.182 99.391 100.082 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004 100.782 100.11 100.11 100.12 100.28 0.32922 0.18041 0.0018
23 9 A09 Line 003 24 9 A09 Line 004 25 9 A09 Line 005 51 A09 Disability glass mean SD Abs Err Rel Err Abs SSE 26 5 IVC2 Line 001 27 9 IVC2 Line 000 28 9 IVC2 Line 000 39 9 IVC2 Line 000 50 9 IVC2 Line 000 (preferred) IVC2 basatic glass mean SD Abs Err Rel Err Abs SSE 21 SI VC568 Line 001 22 SI VC568 Line 001 23 SI VC568 Line 001 23 SI VC568 Line 001 23 SI VC568 Line 001	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.00186 0.26102 50.196 50.393 50.327 50.568 50.435 50.3838 0.1370 -0.4622 -0.00839 0.4948 76.918	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.665 6.724 6.783 6.95 6.7286 0.04223 -0.2214 -0.03186	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.661 10.57 10.745 11.12 10.7524 0.14462 -0.03306 Rel SSE	0.887 0.884 0.896 0.862 0.862 0.01324 0.01324 0.07829 0.07829 0.215 0.218 0.226 0.00577 0.216 0.19 0.2166 0.00577 0.00577	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794 1.771 1.809 1.85 1.7796 0.02176 -0.0704 -0.03805	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.03368 Sum SD 0.214 0.162 0.176 0.183 0.226 0.2 0.1922 0.02682 -0.0078 -0.039 Sum SD	13.512 13.294 13.324 13.313 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.522 11.761 11.499 11.8366 11.6422 0.19132 -0.01943 -0.01642 1.11418	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211 0.222 0.2096 0.04996 -0.0104 -0.04727	-0.061 0.025 0.011 0.049 0.0049 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014 0.0056 0.0311 Sum RSD	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0303 4.65067 2.576 2.613 2.541 2.647 2.589 2.62 2.5932 0.03976 -0.0268 -0.01023 6.03016	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588 13.77 13.887 13.79 13.741 13.727 14.06 13.769 0.07361 -0.291 -0.0207	98.373 98.405 98.653 98.653 98.653 98.651 98.651 99.39 98.4074 0.27972 2.3924 98.4074 0.27972 98.4074 0.27972 98.2021 98.304 99.316 98.307 98.226 100.1 98.2728 0.35018 99.208 99.208 99.208 99.208 99.318	Spc. 040 - 51 A99 Spc. 041 - 51 A99 Spc. 042 - 51 A99 Spc. 042 - 51 A99 Spc. 043 - 51 A99 Spc. 043 - 51 A99 Spc. 043 - 51 A99 Spc. 045 - 51 A99 Spc. 045 - 51 VG2 Spc. 046 - 51 VG2 Spc. 050 - 51 VG3 Spc. 051 - 51 VG3 Spc. 050 - 51 VG3 Spc. 051 - 5	50.3116 50.7431 50.5296 50.3963 50.94 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199 50.5559 50.381 50.3898 0.11205 -0.00827 0.54949 76.549	4.91813 4.99638 4.995162 4.93172 5.02822 5.08 4.965211 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694 6.95216 6.959 6.95904 0.05071 3.8E-05 5.4E-06	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9086 11.0108 10.8413 10.9405 11.12 10.9265 0.06106 -0.19353 -0.0174 Rel SSE	1.14282 1.19825 1.19825 1.13752 0.82 1.18124 0.04098 0.36124 0.44053 0.5413 0.27113 0.27113 0.27137 0.23437 0.23437 0.23437 0.199 0.2705 0.25691 0.2705 0.25691 0.2705 0.25691 0.2705 0.25691 0.2705 0	4.10728 4.15299 4.14882 4.18868 4.06 4.15629 0.03266 0.03266 0.09629 1.92554 1.92387 1.88701 1.9212 1.95773 1.85 1.02506 0.07307 0.0395	0.54045 0.62063 0.52235 0.55236 0.55236 0.50242 0.38 0.54764 0.04496 0.16764 0.44116 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30631 0.2 0.31057 0.078 0.11057 0.55284 Sum SD	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.7939 11.874 11.5718 12.0595 11.7638 11.8366 0.17708 0.02395 -0.00202 1.15881	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.08263 0.08263 0.0538 0.35865 0.26814 0.25885 0.16564 0.11193 0.13698 0.22 0.18831 0.07129 -0.03169	0 0 0.00242 0.1343 0.02734 0.0598 Sum RSD 0.0098 0 0.17529 0.03702 0.07741 Sum RSD	3.00429 3.03583 3.03583 3.03513 2.66 3.04397 0.03063 0.38397 0.14435 2.75394 3.02302 2.95964 2.95943 2.62 3.0003 0.14515 2.9394 3.03764 0.3803 0.14515 2.93994 3.9394	12.8512 12.841 12.7953 12.9953 12.9952 12.499 12.8658 0.05501 0.37576 0.03008 14.4704 14.4196 14.452 0.09757 0.40515 0.02882 12.7492 12.6057	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.051475 0.00619 100.351 100.27 99.9004 100.782 100.1 100.28 0.32922 0.018041 0.018041
2 3 A 99 Line 003 2 4 3 A 99 Line 004 2 5 I A 99 Line 004 2 5 I A 99 Line 005 5 I A 99 bashtic plass mean Abs 5Er Rel Err Abs 5SE 2 5 S Y CZ Line 001 2 5 Y CZ Line 001 2 5 S Y CZ Line 002 2 5 S Y CZ Line 003 3 5 Y CZ Line 003 3 5 Y CZ Line 004 4 S S Line 005 4 S Y CZ Line 005 4 S Y CZ Line 006 5 S Y CZ Line 007 5 S Y CZ Line 006 5 S Y CZ Line 006 5 S Y CZ Line 007 5 S Y CZ Line 006 5 S Y CZ Line 007 5 S Y CZ Line 006 5 S Y CZ Line 006 5 S Y CZ Line 007 5 S Y	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.00186 0.26102 50.196 50.393 50.327 50.568 50.435 50.838 0.13705 -0.4262 -0.00839 0.4948	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.665 6.724 6.783 6.788 6.788 0.04223 -0.04223 -0.0421 0.0425 0.0425 0.036 0.01	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.651 10.57 10.745 11.12 10.7524 0.14462 -0.3676 -0.3676 -0.03306 Rel SSE	0.887 0.884 0.896 0.862 0.8842 0.01324 0.07829 0.07829 0.215 0.216 0.225 0.216 0.00577 0.2166 0.00577 0.2265 0.00778	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794 1.771 1.809 1.85 1.7796 0.02176 -0.03805	0.392 0.495 0.345 0.409 0.38 0.6138 0.05437 0.0318 0.08368 Sum SD 0.214 0.162 0.176 0.183 0.226 0.1922 0.02682 0.02682 0.039	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.00101 1.06186 11.508 11.523 11.52 11.761 11.499 11.6422 0.19132 -0.19435 -0.19435 -0.19435 -0.19435 -1.11418	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211 0.221 0.2096 0.04996 -0.0104 -0.0104 0.0009	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014 0.0056 0.0311 Sum RSD	2.608 2.527 2.611 2.604 2.666 2.5794 0.03942 -0.0806 2.576 2.613 2.541 2.647 2.582 2.593 0.03976 -0.0268 -0.01023 6.03016	12.286 12.259 12.39 12.218 12.491 12.2916 0.06398 -0.1984 -0.01588 13.7 13.887 13.727 13.781 13.727 14.06 13.769 0.07361 -0.291 -0.0207	98.373 98.604 99.39 98.603 99.80 98.601 99.30 98.601 99.30 98.601 99.30 98.021 98.021 98.021 98.021 90.019 98.021 90.019 98.021 90.019 98.021 99.019 98.021 99.019	Spc_040 - 51 A99 Spc_041 - 51 A99 Spc_042 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 VG2 Spc_046 - 51 VG2 Spc_047 - 51 VG2 Spc_047 - 51 VG2 Spc_048 - 51 VG2 Spc_049 - 51 VG2 Spc_045 - 51 VG2 Spc_045 - 51 VG2 Spc_045 - 51 VG2 Spc_057 - 51 VG588 Spc_057 - 51 VG588 Spc_057 - 51 VG588 Spc_057 - 51 VG588	50.3116 50.7431 50.5296 50.3963 50.944 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199 50.5559 50.327 50.81 50.3898 0.11205 -0.40217 -0.00827 -0.54949	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9694 6.95216 6.95071 3.8E-05 5.4E-06	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9086 11.0108 10.8413 10.9405 11.12 10.9265 0.06106 -0.19353 -0.0174 Rel SSE	1.14282 1.19825 1.19235 1.13752 1.23525 0.82 1.18124 0.04098 0.36124 0.44053 0.5413 0.27113 0.27727 0.23437 0.34559 0.25691 0.19 0.27705 0.04172 0.08705 0.45818 0.56015	4.10728 4.15299 4.14882 4.18868 4.06 4.15629 0.03266 0.03266 1.92554 1.92387 1.88701 1.9212 1.925773 1.92307 0.02506 0.07307 0.0395	0.54045 0.62063 0.52235 0.55236 0.55236 0.50242 0.38 0.54764 0.04496 0.16764 0.44116 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30631 0.2 0.31057 0.078 0.11057 0.55284 Sum SD	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.1916 0.1916 11.5718 12.0595 11.8748 11.8366 11.8126 0.17708 -0.02395 -0.02022 1.15881	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.08263 0.08263 0.0538 0.35865 0.26814 0.25885 0.16564 0.11193 0.13698 0.22 0.18831 0.07129 -0.03169 0.14407	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.00429 3.03583 3.03587 3.08517 3.06131 2.66 3.04397 0.03063 2.75394 3.02302 2.95064 2.99943 2.95064 2.99943 2.98029 3.0481 2.62 3.0003 0.13764 0.3803 0.13764 0.3803 0.14515 2.93394 4.12178 4.09536	12.8512 12.841 12.7953 12.9952 12.499 12.8658 0.05501 14.4704 14.4196 14.3037 14.632 14.4651 1	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.05021 100.351 100.27 99.9004 100.782 100.1 100.28 0.32922 0.18041 0.0018
23 9 A09 Line 003 24 9 A09 Line 004 25 9 A09 Line 005 51 A09 Disable glass mean SD Abs Err Rel Err Abs SSE 26 5 VC2 Line 001 27 9 Vc2 Line 002 28 9 Vc2 Line 003 39 Vc2 Line 005 (preferred) 19 Vc2 basatic glass mean so Abs Err Rel Err Abs SSE 25 1 Vc2 Line 006 30 9 Vc2 Line 006 40 50 50 50 50 50 50 50 50 50 50 50 50 50	50.856 51.023 51.102 51.103 51.0346 0.25074 0.00186 0.26102 50.196 50.393 50.327 50.568 50.435 50.435 50.435 76.918 77.012 77.106 76.96	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 -0.03874 6.733 6.738 6.665 6.724 6.783 6.724 6.728 0.04223 -0.2214 -0.03186	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.858 10.661 10.57 10.745 11.12 10.7524 0.14462 -0.33676 -0.03306 Rel SSE	0.887 0.884 0.896 0.862 0.8842 0.01324 0.0642 0.07829 0.209 0.215 0.216 0.19 0.2166 0.0277 0.0266 0.14 0.02778	3.909 3.95 3.894 3.883 4.066 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794 1.771 1.809 1.85 1.7796 0.02176 -0.0704 -0.03805	0.392 0.495 0.345 0.409 0.38 0.4118 0.05437 0.0336 Sum SD 0.214 0.162 0.176 0.26 0.22 0.22682 0.2083 0.2085 0.3936 0.2085 0.3936	13.512 13.294 13.324 13.313 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.923 11.52 11.761 11.499 11.8366 11.6422 0.19132 -0.19435 -0.01642 1.11418	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211 0.211 0.209 0.2096 0.40996 -0.0104 -0.04727	-0.061 0.025 0.011 0.049 0.0049 0.04178 Sum RSD 0.003 -0.034 0.037 -0.014 0.0056 0.0311 Sum RSD	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0303 4.65067 2.576 2.613 2.541 2.647 2.589 2.62 2.5932 0.03976 -0.0268 -0.01023 6.03016	12.286 12.259 12.39 12.218 12.49 12.2916 0.06398 -0.1984 -0.01588 13.77 13.887 13.79 13.741 13.727 14.06 13.769 0.07361 -0.291 -0.0207	98.373 98.614 99.39 98.614 99.39 98.614 99.39 98.014 0.27973 0.99278 98.024 98.024 0.00089 98.015 98.016 98.025 98.016 98.026 98.027 98.027 98.027 98.028 98.028 98.028 98.028 98.028 98.028 98.028 98.028 98.028 98.028	Spc. 040 - 51 A99 Spc. 041 - 51 A99 Spc. 042 - 51 A99 Spc. 042 - 51 A99 Spc. 043 - 51 A99 Spc. 043 - 51 A99 Spc. 043 - 51 A99 Spc. 045 - 51 A99 Spc. 045 - 51 VG2 Spc. 046 - 51 VG2 Spc. 046 - 51 VG2 Spc. 046 - 51 VG2 Spc. 047 - 51 VG588 Spc. 052 - 51 VG588 Spc. 053 - 51 VG588	50.3116 50.7431 50.5296 50.3963 50.94 50.4513 0.16286 0.44493 0.0873 0.78331 50.3899 50.2564 50.4199 50.5559 50.81 50.3898 0.11205 0.42017 0.0827 0.54949 76.549 76.6633	4.91813 4.99638 4.95162 4.93172 5.02822 5.08 4.96521 0.046 -0.11479 -0.0226 6.96211 7.00107 6.85545 6.9694 6.95216 6.95216 6.95216 0.05071 3.8E-05 5.4E-06	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9065 11.0108 10.8413 10.9405 11.12 10.9265 0.06106 -0.19353 -0.0174 Rel SSE	1.14282 1.19825 1.19825 1.13752 0.82 1.18124 0.44053 0.5413 0.27113 0.27113 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27705 0.27413 0.27705 0.	4.10728 4.15299 4.14882 4.18868 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387 1.88701 1.9212 1.95773 1.85 1.92307 0.02506 0.07307 0.0395	0.54045 0.62063 0.52235 0.55236 0.55236 0.56242 0.38 0.54764 0.04496 0.44116 Sum SD 0.30539 0.39932 0.35236 0.18947 0.30631 0.2 0.31057 0.10578 0.11057 0.55284 Sum SD	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.0144 0.81762 11.7939 11.874 11.5718 12.0595 11.7638 11.836 11.8126 0.17708 0.02395 -0.00202 1.158613 1.04423 1.15611 1.26613	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538 0.35865 0.26884 0.11193 0.15664 0.11193 0.13698 0.22 0.18831 0.07129 -0.03169 -0.14407	0 0 0.00242 0.1343 0.02734 0.0598 Sum RSD 0.0098 0 0.17529 0.03702 0.07741 Sum RSD	3.00429 3.03583 3.03583 3.03527 3.065131 2.66 3.04397 0.14435 2.75394 3.02302 2.95064 2.99943 2.98029 3.04813 2.62 3.003764 0.3803 0.14515 2.93394 4.2178 4.09536 4.09536	12.8512 12.841 12.7953 12.9953 12.9952 12.490 12.8658 0.05501 0.37576 0.03008 14.4704 14.4196 14.3937 14.632 14.44101 14.06 14.4552 0.09757 0.40515 0.02882 12.7492 12.6057 12.7499	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004 100.78 100.1 100.28 0.32922 0.18041 0.0018
2 3 A 99 Line 003 2 4 3 A 99 Line 004 2 5 I A 99 Line 004 2 5 I A 99 Line 005 5 I A 99 bashtic plass mean Abs 5Er Rel Err Abs 5SE 2 5 S Y CZ Line 001 2 5 Y CZ Line 001 2 5 S Y CZ Line 002 2 5 S Y CZ Line 003 3 5 Y CZ Line 003 3 5 Y CZ Line 004 4 S S Line 005 4 S Y CZ Line 005 4 S Y CZ Line 006 5 S Y CZ Line 007 5 S Y CZ Line 006 5 S Y CZ Line 006 5 S Y CZ Line 007 5 S Y CZ Line 006 5 S Y CZ Line 007 5 S Y CZ Line 006 5 S Y CZ Line 006 5 S Y CZ Line 007 5 S Y	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.00186 0.26102 50.196 50.393 50.327 50.568 50.435 50.838 0.13705 -0.4262 -0.00839 0.4948	4.893 4.85 4.947 4.918 5.08 4.8832 0.05508 -0.1968 6.733 6.738 6.738 6.724 6.783 6.725 6.724 6.728 0.04223 -0.2214 -0.03186	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.928 10.651 10.57 10.745 11.12 10.7524 0.14462 -0.3676 -0.3676 -0.03306 Rel SSE	0.887 0.884 0.896 0.862 0.8842 0.01324 0.07829 0.07829 0.215 0.216 0.225 0.216 0.00577 0.2166 0.00577 0.2265 0.00778	3.909 3.95 3.894 3.883 4.06 3.922 0.03861 -0.138 -0.03399 1.77 1.754 1.794 1.771 1.809 1.85 1.7796 0.02176 -0.03805	0.392 0.495 0.345 0.409 0.418 0.05437 0.0318 0.08368 Sum SD 0.214 0.162 0.176 0.183 0.226 0.2268 0.02682 0.02682 0.02682 0.02682 0.02682 0.02682 0.02682	13.512 13.294 13.324 13.113 13.3026 13.2892 0.14946 -0.00101 1.06186 11.508 11.523 11.52 11.761 11.499 11.6422 0.19132 -0.19435 -0.19435 -0.19435 -0.19435 -1.11418	0.201 0.183 0.158 0.179 0.15 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211 0.221 0.2096 0.04996 -0.0104 -0.0104 0.0009	-0.061 0.025 0.011 0.049 0.0096 0.04178 Sum RSD 0.003 -0.034 0.036 0.037 -0.014 0.0056 0.0311 Sum RSD	2.608 2.527 2.611 2.604 2.666 2.5794 0.03942 -0.0806 2.576 2.613 2.541 2.647 2.582 2.593 0.03976 -0.0268 -0.01023 6.03016	12.286 12.259 12.39 12.218 12.491 12.2916 0.06398 -0.1984 -0.01588 13.7 13.887 13.727 13.781 13.727 14.06 13.769 0.07361 -0.291 -0.0207	98.373 98.604 99.39 98.603 99.80 98.601 99.30 98.601 99.30 98.601 99.30 98.021 98.021 98.021 98.021 90.019 98.021 90.019 98.021 90.019 98.021 99.019 98.021 99.019	Spc_040 - 51 A99 Spc_041 - 51 A99 Spc_042 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 VG2 Spc_046 - 51 VG2 Spc_047 - 51 VG2 Spc_047 - 51 VG2 Spc_048 - 51 VG2 Spc_049 - 51 VG2 Spc_045 - 51 VG2 Spc_045 - 51 VG2 Spc_045 - 51 VG2 Spc_057 - 51 VG588 Spc_057 - 51 VG588 Spc_057 - 51 VG588 Spc_057 - 51 VG588	50.3116 50.7431 50.5296 50.3963 50.944 50.4951 0.16286 -0.44493 -0.00873 0.78331 50.3899 50.2564 50.4199 50.5559 50.327 50.81 50.3898 0.11205 -0.40217 -0.00827 -0.54949	4.91813 4.99638 4.995162 4.93172 5.02822 0.046 -0.11479 -0.0226 6.96211 7.00107 6.86545 6.9594 6.95216 6.95216 6.95216 0.05071 3.8E-05 5.4E-06	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 0.04796 -0.27581 -0.02966 Rel SSE 10.9312 10.9065 11.0108 10.8413 10.9405 11.12 10.9265 0.06106 -0.19353 -0.0174 Rel SSE	1.14282 1.19825 1.19825 1.13752 0.82 1.18124 0.44053 0.5413 0.27113 0.27113 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27413 0.27705 0.27413 0.27705 0.	4.10728 4.15299 4.14882 4.18868 4.06 4.15629 0.03266 0.09629 0.02372 1.92554 1.92387 1.88701 1.9212 1.95773 1.85 1.92307 0.02506 0.07307 0.0395	0.54045 0.62063 0.52236 0.52326 0.52326 0.50342 0.3832 0.44116 0.44116 0.30539 0.39932 0.39932 0.39032 0.30539 0.39530	13.5434 13.5753 13.457 13.4193 13.4763 13.3026 13.4942 0.06386 0.1916 0.1916 0.1916 11.5718 12.0595 11.8748 11.8366 11.8126 0.17708 -0.02395 -0.02022 1.15881	0.06158 0.25781 0.21159 0.22308 0.26491 0.15 0.2038 0.08263 0.0538 0.35865 0.26884 0.11193 0.15664 0.11193 0.13698 0.22 0.18831 0.07129 -0.03169 -0.14407	0 0 0.00242 0.1343 0.02734 0.0598 Sum RSD 0.0098 0 0.17529 0.03702 0.07741 Sum RSD	3.00429 3.03583 3.03583 3.03527 3.065131 2.66 3.04397 0.14435 2.75394 3.02302 2.95064 2.99943 2.98029 3.04813 2.62 3.003764 0.3803 0.14515 2.93394 4.2178 4.09536 4.09536	12.8512 12.841 12.7953 12.9952 12.499 12.8658 0.05501 14.4704 14.4196 14.3037 14.632 14.4651 1	99.9963 100.117 99.9218 100.182 99.39 100.005 0.15025 0.61475 0.00619 100.351 100.27 99.9004 100.78 100.1 100.28 0.32922 0.18041 0.0018
2 3 A 99 Line 003 2 4 3 A 99 Line 004 2 5 I A 99 Line 005 5 I A 99 hashtic glass mean Abs Str Rel Err Abs 55E 26 5 V/GZ Line 001 27 5 V/GZ Line 001 27 5 V/GZ Line 002 28 5 V/GZ Line 003 39 V/GZ Line 003 30 5 V/GZ Line 005 (preferred) 5 V/GZ Line 005 (preferred) 5 V/GZ Line 005 30 5 V/GZ Line 005 31 5 V/GZ Line 005 32 5 V/GZ Line 005 33 5 V/GZ Line 005 34 5 V/GZ Line 005 35 V/GZ Line 005 36 V/GZ Line 005 36 V/GZ Line 005 37 V/GZ Line 005 37 V/GZ Line 005 38 V/GZ	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0986 0.00186 0.26102 50.196 50.393 50.327 50.568 50.435 50.818 50.435 50.818 70.102 76.966 76.96 76.967 76.975 76.711	4.893 4.85 4.947 4.918 6.733 6	8.89 8.955 8.975 8.961 9.3 8.9228 0.05992 -0.3772 -0.04056 Rel SSE 10.661 10.57 10.745 11.12 10.7524 0.14462 -0.3676 -0.33306 Rel SSE 0.497 0.446 0.459 0.428 0.458 0.458	0.887 0.884 0.896 0.826 0.822 0.01324 0.07829 0.05599 0.209 0.205 0.215 0.218 0.00577 0.00266 0.00577 0.0266 5.041 0.0748 5.045 5.045 5.045 5.045 5.045	3.909 3.95 3.894 3.883 4.06 3.922 0.3861 -0.138 -0.03399 1.77 1.754 1.794 1.771 1.809 1.85 1.7796 0.02176 -0.0704 -0.03805	0.392 0.495 0.4018 0.345 0.4018 0.6343 0.06343 0.06343 0.06343 0.0626 0.162 0.162 0.1026 0.02562 0.0038	13.512 13.294 13.324 13.313 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.528 11.52 11.52 11.52 11.61 11.499 11.8366 11.6422 0.19132 -0.01642 1.1148 1.101 1.081 1.081 1.081	0.201 0.188 0.179 0.15 0.179 0.155 0.179 0.0155 0.184 0.295 0.188 0.17 0.211 0.2096 0.04996 0.04996 0.04727	-0.061	2.608 2.527 2.611 2.604 2.66 2.5794 0.0394 4.65067 2.576 2.613 2.541 2.541 2.647 2.589 2.62 2.5932 0.03976 -0.0268 -0.01023 6.03016	12.286 12.259 12.218 12.39 12.218 12.49 12.2916 0.06398 13.77 13.887 13.79 13.741 13.77 14.06 13.769 13.720 12.422 12.304 12.424 12.424 12.252	98.373 98.604 99.39 98.604 99.39 98.601 99.30 98.601 99.30 98.601 99.30 98.001 98.001 98.001 98.001 98.001 98.001 98.001 98.001 98.001 98.001 98.001 98.001 98.001 99.001	Spc_040 - 51 A99 Spc_041 - 51 A99 Spc_042 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_043 - 51 A99 Spc_045 - 51 A99 Spc_045 - 51 VG2 Spc_046 - 51 VG2 Spc_047 - 51 VG2 Spc_047 - 51 VG2 Spc_048 - 51 VG2 Spc_049 - 51 VG2 Spc_045 - 51 VG2 Spc_045 - 51 VG2 Spc_045 - 51 VG2 Spc_055 - 51 VG568 Spc_051 - 51 VG568 Spc_052 - 51 VG568 Spc_053 - 51 VG568 Spc_054 - 51 VG568 Spc_054 - 51 VG568 Spc_054 - 51 VG568 Spc_055 - 51 VG568 Spc_055 - 51 VG568 Spc_056 - 51 VG568	50, 3116 50, 7431 50, 5296 50, 3963 50, 94 50, 4951 0.16286 0.44493 0.00873 0.78331 50, 3899 50, 2564 50, 4199 50, 5559 50, 327 50, 81 50, 3898 0.11205 0.42017 0.54949 76, 6633 76, 9204 76, 6675 76, 71	4.91813 4.99638 4.99162 4.99162 5.02822 0.046 4.96521 0.046 6.96211 7.00107 6.86545 6.99504 6.95216 6.9500 0.05071 0.0126 0.02785 0.02785 0.01986	9.08553 8.99627 9.01362 9.05908 8.99637 9.02419 0.04796 10.027561 11.012 10.9065 11.112 10.9065 11.012 0.06106 0.06106 0.06106 0.06106 0.0174 Rel SSE	1.14282 1.19825 1.19325 1.19325 1.23525 0.36124 0.44053 0.5413 0.27113 0.27123 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927 0.23437 0.27927	4.10728 4.15299 4.14882 4.18868 4.1868 4.000526 0.03266 1.92534 1.92337 1.88701 1.9212 1.92773 0.02506 0.07307 0.0395 0.08257 0.02526 0.08257 0.02526 0.06128 0.02628	0.54045 0.62063 0.52235 0.55236 0.50242 0.50242 0.04496 0.04496 0.04496 0.04496 0.04496 0.04596 0.03039932 0.35236 0.35236 0.35236 0.35236 0.10576 0.078	13.5434 13.5753 13.4793 13.4793 13.4793 13.4783 13.9026 0.01346 0.1916 0.0144 11.5718 11.7638 11.7638 11.7638 11.8326 0.17708 0.02395 0.00202 11.5841 1.2650 1.1745 1.1747	0.06158 0.25781 0.21159 0.21598 0.26591 0.0538 0.05263 0.0538 0.35865 0.26814 0.25885 0.16564 0.25885 0.16564 0.07129 0.1193 0.07129 0.08811 0.07129 0.00374 0.0300374 0.033	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.00429 3.03583 3.03337 3.08517 3.06131 2.0367 0.14435 2.75394 2.99403 2.995064 2.99943 2.692 3.0481 2.692 3.0481 2.692 3.0481 2.692 3.0736 3.	12.8512 12.953 12.9929 12.49 12.8658 0.05501 14.4704 14.4196 14.4450 14.450 14.450 16.52 1	99.9963 100.117 99.9218 100.117 99.9218 100.0192 99.39 100.005 0.150275 100.351 100.351 100.782 100.1 100.782 100.1 100.28 0.32922 0.18041 0.0018 102.243 102.301 102.259 102.299 102.994 102.199 99.56
2 3 A 909 Line 000 3 24 3 A 909 Line 000 4 25 SA 909 Line 000 5 SI A 909 Line 000 5 SI A 909 Line 100 1 SI A 90 Line 100 1 SI A 90 Line 100 1 SI	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.00346 0.00186 0.00186 50.393 50.327 50.1568 50.435 50.883 0.13703 0.4948 76.918 77.012 77.106 76.755 76.712 76.9502	4.893 4.85 4.918 5.08 4.918 5.08 6.01968 6.033 6.733 6.738 6.665 6.724 6.783 6.665 6.724 6.783 6.728 6.004223 0.04223 0.03186	8.89 8.955 8.975 8.961 9.3 8.928 0.05992 -0.3772 -0.04056 Rel SSE 10.657 10.745 11.12 10.7524 0.14462 -0.3306 Rel SSE 0.4367 0.4469 0.4599 0.459 0.459 0.459 0.4586 0.6581	0.887 0.8842 0.8862 0.8842 0.01324 0.00527 0.05599 0.205 0.215 0.218 0.219 0.219 0.219 0.219 0.219 1.00577 0.0266 0.00577 1.00266 0.00577 1.00266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.0057 0.005	3.909 3.95 3.894 3.883 4.866 3.922 0.03861 1.777 1.754 1.794 1.771 1.779 1.809 0.02176 0.063 0.0599 0.070 0.0709 0.0709 0.0709	0.392 0.495 0.4018 0.345 0.4018 0.6343 0.06343 0.06343 0.06343 0.0626 0.162 0.162 0.1026 0.02562 0.0038	13.512 13.294 13.324 13.313 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.508 11.52 11.761 11.499 11.8366 11.6422 0.19132 -0.19435 -0.01642 1.11418 1.139 1.101 1.081 1.094 1.214	0.201 0.188 0.199 0.193 0.199 0.199 0.199 0.199 0.199 0.199 0.19333 0.184 0.295 0.188 0.295 0.180 0.291 0.206 0.0096 0.0096 0.0096 0.0096 0.0009 0.0023 0.0025 0.0025 0.0025 0.0026 0.0036 0.0038 0.0038	-0.061	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0393 4.65067 2.541 2.647 2.589 2.62 2.5932 0.03976 -0.0268 -0.0303 5.03016	12.286 12.259 12.218 12.39 12.218 12.49 12.2916 0.06398 13.77 13.887 13.79 13.741 13.77 14.06 13.769 13.720 12.422 12.304 12.424 12.424 12.252	98.373 98.405 98.653 99.39 98.614 99.39 98.021 98.021 98.021 98.021 98.021 98.307 100.12	Spc. 040 - 51 A99 Spc. 041 - 51 A99 Spc. 042 - 51 A99 Spc. 043 - 51 A99 Spc. 045 - 51 A99 Spc. 045 - 51 VG2 Spc. 046 - 51 VG2 Spc. 046 - 51 VG2 Spc. 046 - 51 VG2 Spc. 047 - 51 VG2 Spc. 048 - 51 VG2 Spc. 049 - 51 VG3 Spc. 051 - 51 VG3 Spc. 053 - 51 VG3 Spc. 053 - 51 VG3 Spc. 053 - 51 VG3 Spc. 054 - 51 VG3 Spc. 055 - 51 VG3 Spc. 054 - 51 VG3 Spc. 054 - 51 VG3 Spc. 055 - 51 VG3 Spc. 054 - 51 VG3 Spc. 055 - 51 VG3 Spc. 054 - 51 VG3 Spc. 055 - 5	50,3116 50,7431 50,5296 50,3963 50,944 50,4951 0,16286 -0,44493 -0,00873 0,78331 50,3899 50,2564 50,4199 50,5559 50,327 50,811 50,3898 0,11205 -0,42017 -0,00827 0,54949 76,6493 76,6497 76,6492 76,6497 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492	4.91813 4.99638 4.99162 5.02822 5.08 4.95521 0.046 6.96211 7.00107 6.86545 6.9504 6.9501 3.86-05 0.0007 3.86-05 0.0007 0.00278 0.000547 0.00517	9.08533 8.99627 9.01362 9.05908 8.96647 9.05908 8.96647 9.02296 10.002966 10.002966 10.002966 10.00296	1.14282 1.19825 1.19235 0.82 1.18124 0.04093 0.27027 0.23437 0.27133 0.27727 0.23437 0.2705 0.2705 0.2705 0.2705 0.2705 0.40502 0.4050	4.10728 4.15299 4.14882 4.18688 4.1868 4.00 0.03266 4.15629 0.02372 1.92387 1.88701 1.9212 0.02506 0.07307 0.02506 0.07307 0.02506 0.07307 0.02506 0.0250 0.0229 0.012477 0.02506	0.54045 0.62063 0.52235 0.55236 0.50242 0.50242 0.04496 0.04496 0.04496 0.04496 0.04496 0.04596 0.03039932 0.35236 0.30393 0.35236 0.35236 0.35236 0.1057 0.078 0.10576 0.10516 0.03528 0.035284 0.005328	13.5434 13.5753 13.457 13.4193 13.3026 13.3026 13.4942 0.06386 0.1916 0.01144 0.81762 11.7939 11.874 11.5718 12.0595 11.7638 11.8126 0.17708 0.02395 -0.00202 1.15881 1.04423 1.15861 1.28613 1.15861 1.28613	0.06158 0.25781 0.21159 0.21308 0.26491 0.08263 0.0538 0.0538 0.26814 0.25885 0.16564 0.07129 0.003169 0.00303	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.00429 3.03583 3.03337 3.08517 3.06131 6.266 3.04397 0.03663 3.02302 2.95064 2.99943 3.02302 2.95064 0.14615 2.99943 3.0030 0.14515 2.9394 4.0212 4.02526 4.0212 4.02526 4.0212 4.02526 4.02526	12.8512 12.841 12.7953 12.9953 12.9952 12.49 12.8658 0.03501 14.4704 14.4196 14.452 0.09577 14.632 14.4101 14.095 12.6057 12.7017 12.7017 12.7017 12.7019 12.5428 0.09217 12.6059 0.09217	99.9963 100.117 99.9218 100.182 99.319 100.005 0.15025 0.051475 0.00619 100.27 99.9004 100.351 100.21 100.11 100.11 100.12 100.28 0.32922 0.18041 0.018041 102.243 102.391 102.599 102.2904 102.199 99.56
2 3 A 99 Line 003 2 4 3 A 99 Line 004 2 5 I A99 Line 005 5 I A99 Shashtic glass mean SD Abs Err Rel Err Abs 55E 2 6 S VG2 Line 001 2 7 S VG2 Line 001 2 7 S VG2 Line 003 3 S VG2 Line 003 3 S VG2 Line 003 3 S VG2 Line 004 3 S VG5 Line 005 4 S VG5 Line 006 3 S VG5 Line 007 3 S VG5 Line 006 3 S VG5 Line 007 3 S VG5	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.0946 0.00186 0.26102 50.196 50.393 50.327 50.568 50.435 50.811 50.3838 0.13705 -0.4262 -0.00839 0.4948 76.918 77.102 77.106 76.96 76.96 76.755 76.71 76.902 0.12974	4.893 4.85 4.947 4.918 6.733 6	8.895 8.995 8.995 8.996 9.3 8.922 9.3 8.9228 0.02372 0.02372 10.928 10.685 10.686 10.57 10.732 10.7524 0.14462 0.43306 Rel SSE 0.497 0.4466 0.459 0.4586 0.4586 0.02544	0.887	3.909 3.893 4.86 3.893 4.06 3.922 0.03861 1.77 1.754 1.771 1.809 0.02176 0.02176 0.02176 0.00278 0.0580 0.0704 0.0704 0.0704 0.0708	0.392 0.495 0.4018 0.345 0.4018 0.6343 0.06343 0.06343 0.06343 0.0626 0.162 0.162 0.1026 0.02562 0.0038	13.512 13.294 13.324 13.313 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.528 11.52 11.52 11.52 11.61 11.499 11.8366 11.6422 0.19132 -0.01642 1.1148 1.101 1.081 1.081 1.081	0.201 0.183 0.179 0.155 0.179 0.01554 0.029 0.184 0.295 0.188 0.180 0.000	-0.061	2.608 2.594 2.66 2.5994 4.6089 2.654 2.661 2.696 2.5994 4.60806 2.676 2.076 2.076 2.076 2.076 2.	12.286 12.259 12.218 12.39 12.218 12.49 12.2916 0.06398 13.77 13.887 13.79 13.741 13.77 14.06 13.769 13.720 12.422 12.304 12.424 12.424 12.252	98.373 98.614 99.39 98.6014 99.39 98.614 99.39 98.6014 99.39 98.6021 98.021 98.021 98.021 98.021 98.021 99.305 99.	Spc_040 — SI A99 Spc_041 — SI A99 Spc_042 — SI A99 Spc_043 — SI A99 Spc_043 — SI A99 Spc_043 — SI A99 Spc_043 — SI A99 Spc_044 — SI A99 SI A99 basaltic glass mean SD Abs Err Rel Err Abs SSE Spc_045 — SI VG2 Spc_046 — SI VG2 Spc_056 — SI VG568 Spc_051 — SI VG568 Spc_052 — SI VG568 Spc_053 — SI VG568 Spc_054 — SI VG568 Spc_054 — SI VG568 Spc_054 — SI VG568 Spc_054 — SI VG568 Spc_056 — SI VG568 SI VG568 ryclollitic glass mean SD	50, 3116 50, 7431 50, 7431 50, 5296 50, 3963 50, 94 50, 4951 0.16286 0.44493 50, 2564 50, 4199 50, 5559 50, 327 50, 81 50, 3898 0.11205 64, 22017 0.00827 0.5499 76, 6633 76, 6633 76, 675 76, 71 76, 6492 0.17707 0.17707	4.91813 4.99638 4.99162 4.99172 5.02822 6.96211 7.00107 6.96211 7.00107 6.96216 6.9504	9.08553 8.99627 9.01362 9.05908 8.96647 9.3 9.02419 9.04796 9.3 9.02419 10.9086 11.0108 10.9405 10.940	1.14282 1.19825 1.19235 0.82 1.18124 0.44053 0.36124 0.44053 0.27713 0.27727 0.34559 0.27905 0.04172 0.08705 0.756015 7.23711 0.756015 7.23711 0.756015 7.23711 0.756015 0.756	4.10728 4.15299 4.14882 4.18868 4.18668 4.18629 0.02326 1.92534 1.92387 1.88701 1.9237 1.92307 0.02506 0.07307 0.0395 0.08257 0.02952 0.06188 0.12477 0.1200 0.0347 0.0347 0.0350 0.0347	0.54045 0.62063 0.52235 0.55236 0.50242 0.50242 0.04496 0.04496 0.04496 0.04496 0.04496 0.04596 0.03039932 0.35236 0.30393 0.35236 0.35236 0.35236 0.1057 0.078 0.10576 0.10516 0.03528 0.035284 0.005328	13.5434 13.5753 13.4793 13.4793 13.4793 13.4783 13.9026 0.01346 0.1916 0.0144 11.5718 11.7638 11.7638 11.7638 11.8326 0.17708 0.02395 0.00202 11.5841 1.2650 1.1745 1.1747	0.06158 0.25781 0.21159 0.21308 0.26931 0.05283 0.05283 0.05383 0.05388 0.25885 0.26814 0.15885 0.25885 0.26814 0.15885 0.20885 0.20887 0.16564 0.1193 0.07129 0.00367 0.00367 0.00367 0.00367 0.00367 0.00367 0.00367 0.00367	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.00429 3.03583 3.03327 2.66 3.04397 0.14435 2.95094 3.02302 2.95064 0.3803 0.03587 2.99043 2.	12.8512 12.953 12.9929 12.49 12.8658 0.05501 14.4196 14.4196 14.4393 14.4101 14.06 14.452 0.09757 0.00288 12.7492 12.6057 12.7017 12.7499 12.5428 12.6659 0.09217	99.9963 100.117 99.9218 100.117 99.9218 100.105 99.39 100.005 0.15025 100.351 100.351 100.351 100.782 100.1 100.782 100.1 100.1 100.28 0.32922 0.18041 0.0018 102.243 102.301 102.259 102.599 102.994 102.994 102.499 99.56
2 3 A 909 Line 000 3 24 3 A 909 Line 000 4 25 SA 909 Line 000 5 SI A 909 Line 000 5 SI A 909 Line 100 1 SI A 90 Line 100 1 SI A 90 Line 100 1 SI	50.856 51.023 51.102 51.418 50.94 51.0346 0.25074 0.00346 0.00186 0.00186 50.393 50.327 50.1568 50.435 50.883 0.13703 0.4948 76.918 77.012 77.106 76.755 76.712 76.9502	4.893 4.893 4.947 4.918 5.08 4.8832 0.05508 4.8832 0.05508 6.733 6.733 6.738 6.764 6.783 6.724 6.783 6.726 0.04223 0.04223 0.04223 0.0216 0.010 0.027 0.015 0.010 0.027 0.0126	8.89 8.955 8.975 8.961 9.3 8.928 0.05992 -0.3772 -0.04056 Rel SSE 10.657 10.745 11.12 10.7524 0.14462 -0.3306 Rel SSE 0.4367 0.4469 0.4599 0.459 0.459 0.459 0.4586 0.6581	0.887 0.8842 0.8862 0.8842 0.01324 0.00527 0.05599 0.205 0.215 0.218 0.219 0.219 0.219 0.219 0.219 1.00577 0.0266 0.00577 1.00266 0.00577 1.00266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.00577 0.0266 0.0057 0.005	3.909 3.893 3.893 4.86 3.922 0.03861 -0.138 0.03399 1.77 1.754 1.771 1.809 0.02176 0.02176 0.02390 0.0219 0.0219 0.02300 0.0990 0.074 0.0790 0.079	0.392 0.495 0.4018 0.345 0.4018 0.6343 0.06343 0.06343 0.06343 0.0626 0.162 0.162 0.1026 0.02562 0.0038	13.512 13.294 13.324 13.313 13.3026 13.2892 0.14946 -0.01343 -0.00101 1.06186 11.528 11.52 11.52 11.52 11.61 11.499 11.8366 11.6422 0.19132 -0.01642 1.1148 1.101 1.081 1.081 1.081	0.201 0.183 0.179 0.158 0.179 0.01554 0.029 0.19333 0.184 0.295 0.188 0.17 0.211 0.22 0.0196 0.04996 0.001 0.002 0.003 0.003 0.002 0.0104 0.001 0.003 0.003 0.003 0.003 0.003 0.003 0.003	-0.061	2.608 2.527 2.611 2.604 2.66 2.5794 0.03942 -0.0806 -0.0393 4.65067 2.541 2.647 2.589 2.62 2.5932 0.03976 -0.0268 -0.0303 5.03016	12.286 12.259 12.218 12.39 12.218 12.49 12.2916 0.06398 13.77 13.887 13.79 13.741 13.77 14.06 13.769 13.720 12.422 12.304 12.424 12.424 12.252	98.373 98.405 98.653 99.39 98.614 99.39 98.021 98.021 98.021 98.021 98.021 98.307 100.12	Spc. 040 - 51 A99 Spc. 041 - 51 A99 Spc. 042 - 51 A99 Spc. 043 - 51 A99 Spc. 045 - 51 A99 Spc. 045 - 51 VG2 Spc. 046 - 51 VG2 Spc. 046 - 51 VG2 Spc. 046 - 51 VG2 Spc. 047 - 51 VG2 Spc. 048 - 51 VG2 Spc. 049 - 51 VG3 Spc. 051 - 51 VG3 Spc. 053 - 51 VG3 Spc. 053 - 51 VG3 Spc. 053 - 51 VG3 Spc. 054 - 51 VG3 Spc. 055 - 51 VG3 Spc. 054 - 51 VG3 Spc. 054 - 51 VG3 Spc. 055 - 51 VG3 Spc. 054 - 51 VG3 Spc. 055 - 51 VG3 Spc. 054 - 51 VG3 Spc. 055 - 5	50,3116 50,7431 50,5296 50,3963 50,944 50,4951 0,16286 -0,44493 -0,00873 0,78331 50,3899 50,2564 50,4199 50,5559 50,327 50,811 50,3898 0,11205 -0,42017 -0,00827 0,54949 76,6493 76,6497 76,6492 76,6497 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492 76,6492	4.91813 4.99638 4.99162 5.02822 6.96211 7.00107 6.96216 6.96216 6.9521	9.08533 8.99627 9.01362 9.05908 8.96647 9.05908 8.96647 9.02296 10.002966 10.002966 10.002966 10.00296	1.14282 1.19825 1.19235 0.82 1.18124 0.04093 0.27027 0.23437 0.27133 0.27727 0.23437 0.2705 0.2705 0.2705 0.2705 0.2705 0.40502 0.4050	4.10728 4.15299 4.14882 4.18868 4.18368 6.415629 0.03266 0.03272 1.92554 1.92387 1.92387 1.92307 0.02596 0.07307 0.0395 0.06257 0.02992 0.06188 0.07633 0.07633 0.07633 0.07633	0.54045 0.62063 0.52235 0.50236 0.50236 0.50236 0.50236 0.50236 0.16764 0.04496 0.04496 0.04196 0.30539 0.39932 0.39932 0.39932 0.39932 0.30539 0.39932 0.30539 0.39932 0.30539 0.39932 0.30539 0.39932 0.30539 0.39932 0.30539 0.39539 0.39539 0.39539 0.39539 0.39539 0.39539 0.0786	13.5434 13.5753 13.4793 13.4793 13.4793 13.4783 13.9026 0.01346 0.1916 0.0144 11.5718 11.7638 11.7638 11.7638 11.8326 0.17708 0.02395 0.00202 11.5841 1.2650 1.1745 1.1747	0.06158 0.25781 0.21159 0.21159 0.159 0.159 0.0538 0.0538 0.0538 0.053865 0.26814 0.1586 0.26814 0.1193 0.1566 0.20 0.16564 0.11193 0.16564 0.101407 0 0 0 0 0.07129 0.03169 0.030374 0.033 0.03374 0.033	0 0 0.00242 0 0 0.1343 0.02734 0.05936 0 0.17529 0 0.13023 0.15636 0 0.16676 0 0.1027 0.07093	3.00429 3.03583 3.03337 3.08517 3.06131 6.266 3.04397 0.03663 3.02302 2.95064 2.99943 3.02302 2.95064 0.14615 2.99943 3.0030 0.14515 2.9394 4.0212 4.02526 4.0212 4.02526 4.0212 4.02526 4.02526	12.8512 12.953 12.9929 12.49 12.8658 0.05501 14.4196 14.4196 14.4393 14.4101 14.06 14.452 0.09757 0.00288 12.7492 12.6057 12.7017 12.7499 12.5428 12.6659 0.09217	99.9963 100.117 99.9218 100.182 99.319 100.005 0.15025 0.051475 0.00619 100.27 99.9004 100.351 100.21 100.11 100.11 100.12 100.28 0.32922 0.18041 0.018041 102.243 102.391 102.599 102.2904 102.199 99.56

Sample		1	NDS		EDS					
	Abs SSE	Rel SSE	Sum SD	Sum RSD	Abs SSE	Rel SSE	Sum SD	Sum RSD		
SI Anorthite	0.66	0.08	0.51	-5.62	1.39	1.06	0.80	#DIV/0!		
SI SCOL	3.09	0.02	1.01	2.02	0.68	0.01	0.61	5.80		
SI Diopside	0.15	2.49	1.11	4.12	0.49	7.87	0.89	8.57		
SI Kakanui Hornblende	1.32	0.01	0.58	2.45	1.32	0.29	1.09	2.32		
SI A99 basaltic glass	0.78	0.06	1.06	4.65	0.78	0.54	0.82	2.75		
SI VG2 basaltic glass	0.55	0.03	1.11	6.03	0.55	0.56	1.16	2.93		
SI VG568 rhyolitic glass	5.36	0.70	0.64	#DIV/0!	5.36	0.90	0.96	4.71		

