

Table S1b. Individual major element analyses of "ghost core" (U1440B 9G) glasses. Major element oxide and trace element concentrations for glasses recovered during IODP Expedition 352.

lab	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SiO ₂	53.35	52.28	52.36	52.29	52.28	52.27	52.37	52.29	52.45	52.35	52.30	52.33	52.36	52.50	52.76
TiO ₂	0.97	1.00	0.92	0.99	0.98	0.99	0.92	0.97	0.94	0.99	0.98	0.92	0.96	0.93	0.96
Al ₂ O ₃	13.90	13.57	13.61	13.52	13.53	13.59	13.63	13.57	13.63	13.73	13.68	13.67	13.65	13.71	13.70
FeO*	12.96	13.03	12.66	12.81	12.88	12.91	12.89	12.64	12.87	12.80	12.77	12.56	12.65	12.53	12.69
MnO	0.21	0.22	0.19	0.18	0.18	0.19	0.20	0.21	0.18	0.19	0.23	0.20	0.21	0.19	0.20
MgO	6.47	6.25	6.28	6.32	6.33	6.38	6.40	6.43	6.43	6.44	6.44	6.46	6.47	6.48	6.49
CaO	11.04	10.76	10.81	10.83	10.65	10.79	10.75	10.89	10.90	10.83	10.88	10.87	10.84	10.86	10.80
Na ₂ O	0.92	2.15	2.14	2.15	2.11	2.18	2.16	2.12	2.16	2.12	2.13	2.13	2.15	2.03	2.09
K ₂ O	0.04	0.04	0.06	0.04	0.05	0.04	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
P ₂ O ₅	0.08	0.05	0.08	0.08	0.07	0.08	0.05	0.07	0.08	0.07	0.05	0.06	0.06	0.08	0.06
Cl	279	279	173	200	261	143	220	115	227	207	267	245	277	217	239
S	1324	1357	1352	1355	1422	1372	1351	1359	1319	1377	1266	1281	1291	1370	1374
Total	100.08	99.51	99.26	99.36	99.23	99.57	99.59	99.36	99.83	99.73	99.67	99.38	99.55	99.51	99.96

A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
52.22	52.26	52.53	52.59	52.35	52.64	52.54	52.50	52.53	52.37	52.40	52.44	52.45	52.60	52.49	52.42
0.93	0.96	0.87	0.92	0.96	0.92	0.93	0.91	0.91	0.86	0.94	0.93	0.94	0.94	0.92	0.93
13.68	13.62	13.79	13.75	13.61	13.81	13.83	13.78	13.73	13.79	13.77	13.79	13.76	13.76	13.75	13.76
12.58	12.44	12.39	12.56	12.39	12.25	12.42	12.44	12.44	12.37	12.30	12.38	12.62	12.30	12.37	12.26
0.20	0.20	0.16	0.20	0.21	0.20	0.21	0.19	0.21	0.20	0.18	0.20	0.21	0.20	0.21	0.20
6.49	6.50	6.51	6.52	6.52	6.52	6.56	6.56	6.56	6.58	6.59	6.61	6.61	6.62	6.62	6.62
10.87	10.93	10.98	10.94	11.00	11.03	10.95	10.93	10.95	11.01	10.98	10.99	11.01	11.05	10.96	11.06
2.14	2.13	2.10	2.13	2.12	2.10	2.05	2.11	2.05	2.06	2.10	2.10	2.11	2.12	2.10	2.06
0.05	0.05	0.04	0.05	0.05	0.04	0.04	0.03	0.04	0.05	0.04	0.04	0.04	0.04	0.05	0.04
0.09	0.08	0.06	0.09	0.06	0.08	0.06	0.06	0.07	0.05	0.08	0.06	0.07	0.06	0.06	0.06
200	278	219	261	240	237	225	134	156	245	357	283	264	229	218	203
1333	1314	1287	1293	1326	1332	1307	1231	1279	1243	1360	1382	1346	1256	1352	1336
99.39	99.32	99.58	99.89	99.41	99.74	99.74	99.63	99.64	99.49	99.56	99.71	99.98	99.83	99.67	99.59

A	A	A	A	A	A	A	Mean	Std. Dev.	B	B	B	B	B	B	B	B
52.25	52.40	52.54	52.26	52.45	52.64	52.42	52.44	0.20	50.97	51.02	51.11	51.20	51.29	51.29	51.31	
0.88	0.94	0.93	0.92	0.93	0.86	0.83	0.93	0.04	0.94	0.92	1.03	0.94	0.97	0.94	0.98	
13.68	13.75	13.82	13.72	13.77	13.97	14.01	13.72	0.11	13.81	13.94	13.95	13.74	14.00	13.92	13.99	
12.17	12.35	12.32	12.43	12.40	11.92	11.55	12.51	0.29	12.13	12.73	12.22	12.91	12.27	12.84	12.42	
0.21	0.21	0.21	0.21	0.20	0.21	0.17	0.20	0.01	0.20	0.22	0.20	0.20	0.17	0.17	0.21	
6.63	6.63	6.64	6.65	6.66	6.84	7.05	6.53	0.15	7.13	6.50	6.77	6.43	6.88	6.39	6.93	
11.00	10.95	11.03	11.01	10.92	11.23	11.41	10.94	0.13	11.75	11.04	11.58	10.94	11.40	10.98	11.46	
2.08	2.12	2.12	2.10	2.14	2.04	2.01	2.08	0.20	1.98	2.14	1.98	2.28	2.04	2.16	2.07	
0.04	0.06	0.04	0.05	0.04	0.04	0.05	0.04	0.01	0.02	0.03	0.04	0.02	0.04	0.04	0.03	
0.07	0.07	0.06	0.08	0.06	0.06	0.08	0.07	0.01	0.00	0.06	0.00	0.00	0.03	0.04	0.03	
188	243	289	304	262	196	261	233	49	540	200	550	200	390	70	460	
1285	1278	1289	1289	1354	1209	1225	1318	49	1017	1297	1141	1189	1069	1157	1113	
99.16	99.63	99.87	99.60	99.72	99.95	99.73	99.62	1.16	99.09	98.76	99.04	98.81	99.24	98.89	99.59	

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
51.31	51.39	51.42	51.46	51.52	51.56	51.58	51.64	51.67	51.68	51.70	51.70	51.71	51.71	51.71	51.71
0.97	0.91	1.05	1.02	0.89	0.94	0.92	0.93	0.94	0.96	0.89	0.96	0.88	0.94	0.96	1.06
14.16	14.15	13.60	14.10	13.66	13.81	13.81	13.45	13.64	13.76	13.81	13.77	13.72	13.87	13.76	14.11
12.27	12.28	13.13	12.20	12.68	12.87	12.93	13.16	12.87	12.70	12.81	13.02	12.95	12.67	12.86	12.26
0.17	0.22	0.23	0.21	0.21	0.21	0.18	0.25	0.23	0.26	0.22	0.22	0.18	0.20	0.24	0.18
6.89	6.73	6.40	6.80	6.46	6.37	6.42	6.22	6.53	6.39	6.47	6.26	6.30	6.27	6.45	7.00
11.47	11.36	10.89	11.70	11.03	10.78	10.98	10.89	11.04	10.94	11.07	10.74	10.97	10.94	11.00	11.75
1.97	2.01	2.20	2.19	2.16	2.18	2.10	2.20	2.12	2.18	2.15	2.16	2.16	2.16	2.22	2.01
0.03	0.04	0.06	0.05	0.04	0.05	0.03	0.03	0.02	0.04	0.03	0.05	0.04	0.04	0.03	0.04
0.03	0.01	0.02	0.02	0.00	0.02	0.02	0.01	0.00	0.01	0.00	0.04	0.02	0.00	0.01	0.02
420	210	210	490	340	240	230	270	190	330	180	210	350	190	110	510
1217	1273	1450	1025	1153	1189	1418	1277	1117	1305	1077	1458	1281	1321	1297	1065
99.43	99.25	99.17	99.89	98.81	98.95	99.13	98.95	99.19	99.07	99.29	99.09	99.07	98.96	99.38	100.29

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
51.72	51.73	51.73	51.74	51.76	51.76	51.76	51.76	51.76	51.77	51.77	51.77	51.78	51.78	51.78	51.80
0.92	1.00	0.91	0.96	0.97	0.95	0.91	0.98	0.94	0.98	0.95	0.96	0.90	0.91	0.90	0.91
13.91	13.86	13.84	13.43	13.91	13.81	13.72	13.82	13.87	13.69	13.83	13.82	13.84	13.86	13.63	13.81
12.86	12.03	12.78	12.73	12.72	12.94	12.88	13.00	13.14	13.04	13.03	12.71	12.61	12.92	12.78	12.76
0.23	0.17	0.22	0.23	0.19	0.23	0.20	0.15	0.24	0.23	0.18	0.28	0.17	0.24	0.18	0.18
6.50	6.98	6.50	6.47	6.21	6.21	6.37	6.25	6.20	6.16	6.47	6.40	6.43	6.49	6.31	6.51
10.91	11.67	10.91	11.00	10.89	11.05	10.82	10.80	10.92	10.99	10.75	11.02	10.96	10.92	10.92	10.86
2.21	2.11	2.06	2.11	2.17	2.16	2.14	2.16	2.21	2.15	2.22	2.15	2.10	2.24	2.15	2.10
0.05	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.04	0.03	0.03	0.04	0.03	0.04	0.06	0.05
0.01	0.06	0.04	0.00	0.05	0.05	0.02	0.05	0.02	0.00	0.00	0.00	0.03	0.04	0.04	0.00
340	460	320	90	380	170	230	170	190	210	140	250	140	200	180	150
1121	1109	1101	1350	1209	1257	1297	1277	1221	1233	1189	1309	1313	1434	1105	1017
99.45	99.79	99.16	98.84	99.07	99.34	99.02	99.19	99.48	99.17	99.35	99.30	99.00	99.58	98.87	99.10

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
51.80	51.80	51.80	51.80	51.80	51.81	51.82	51.84	51.84	51.84	51.84	51.84	51.84	51.84	51.84	51.84	51.85
0.87	0.93	0.92	0.97	0.93	0.94	0.97	0.95	0.97	0.88	1.00	0.87	0.94	0.93	0.93	0.93	0.93
13.76	14.01	13.95	13.83	13.69	13.81	13.76	13.98	13.83	13.89	13.87	13.76	13.92	13.63	13.98	13.89	13.89
12.82	12.73	12.93	12.71	13.33	12.83	13.10	12.92	12.78	12.87	12.48	12.84	12.66	12.91	12.73	12.82	12.82
0.17	0.18	0.19	0.19	0.21	0.20	0.18	0.20	0.21	0.23	0.20	0.15	0.19	0.19	0.19	0.19	0.22
6.40	6.28	6.27	6.36	6.30	6.34	6.25	6.43	6.42	6.58	6.22	6.29	6.29	6.33	6.51	6.38	6.38
11.01	11.07	10.84	11.05	10.67	10.93	10.73	10.81	11.00	10.84	10.93	11.01	11.04	10.72	11.05	11.03	11.03
2.18	2.03	2.15	2.20	2.23	2.18	2.18	2.21	2.15	2.10	2.13	2.23	2.19	2.07	2.14	2.24	2.24
0.03	0.04	0.03	0.06	0.02	0.04	0.05	0.03	0.03	0.03	0.04	0.02	0.05	0.03	0.03	0.04	0.04
0.00	0.00	0.03	0.02	0.03	0.01	0.06	0.00	0.02	0.01	0.05	0.00	0.04	0.04	0.05	0.00	0.00
90	140	160	260	220	160	220	200	300	200	80	290	240	170	250	80	80
1157	1265	1041	1249	1197	1193	1173	1153	1133	1125	1277	1169	1093	1225	1285	1089	1089
99.17	99.20	99.23	99.31	99.35	99.24	99.23	99.50	99.39	99.41	98.88	99.17	99.29	98.83	99.62	99.51	99.51

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
51.86	51.86	51.86	51.86	51.87	51.88	51.89	51.90	51.91	51.91	51.91	51.91	51.91	51.91	51.93	51.93	51.94
0.99	0.92	0.95	0.89	0.91	0.93	0.87	0.96	0.93	0.92	0.88	0.96	0.92	0.89	0.91	0.91	0.87
13.87	13.79	13.95	13.86	13.76	13.88	13.89	13.50	14.06	13.87	13.83	13.84	13.98	13.85	13.92	13.81	13.81
13.06	12.68	12.32	12.84	13.06	12.48	12.46	12.99	12.84	12.60	12.80	12.83	12.79	12.85	12.65	12.66	12.66
0.24	0.18	0.20	0.13	0.20	0.20	0.16	0.17	0.20	0.20	0.20	0.23	0.23	0.17	0.22	0.26	0.26
6.19	6.52	6.28	6.39	6.32	6.32	6.51	6.33	6.48	6.43	6.30	6.13	6.41	6.42	6.36	6.45	6.45
10.73	11.00	10.97	10.89	10.87	10.82	10.96	10.85	10.64	10.92	10.87	10.72	11.01	10.95	11.13	11.07	11.07
2.27	2.19	2.08	2.19	2.24	2.15	2.15	2.24	2.18	2.13	2.14	2.11	2.01	2.14	2.14	2.22	2.22
0.04	0.02	0.05	0.02	0.06	0.06	0.06	0.06	0.04	0.04	0.05	0.04	0.06	0.04	0.04	0.04	0.03
0.00	0.03	0.02	0.01	0.05	0.05	0.00	0.00	0.04	0.02	0.02	0.01	0.03	0.01	0.02	0.00	0.00
140	90	160	70	210	290	170	170	270	120	330	190	240	240	250	150	150
1269	1065	1225	1325	1041	1233	1350	1181	1145	1217	1458	1197	1293	1069	1346	1077	1077
99.37	99.30	98.82	99.22	99.46	98.93	99.10	99.15	99.44	99.18	99.20	98.92	99.50	99.39	99.47	99.43	99.43

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
51.94	51.94	51.94	51.95	51.95	51.95	51.96	51.96	51.96	51.96	51.97	51.97	51.97	51.97	51.98	51.98
0.96	0.92	0.95	0.98	0.92	0.96	0.93	0.88	1.00	0.91	0.94	0.93	0.90	0.96	0.89	0.92
13.58	13.76	13.91	13.78	13.84	13.87	13.84	13.90	13.97	13.79	13.67	13.90	13.96	13.89	13.74	14.13
12.73	12.71	12.96	12.97	12.55	12.75	12.74	12.43	12.70	12.89	12.83	12.70	12.68	12.91	12.91	12.72
0.18	0.21	0.18	0.22	0.20	0.19	0.22	0.23	0.22	0.20	0.25	0.23	0.19	0.20	0.24	0.19
6.38	6.30	6.41	6.21	6.42	6.36	6.47	6.24	6.46	6.41	6.33	6.48	6.54	6.35	6.15	6.47
10.83	10.65	11.01	10.97	11.08	10.86	11.07	10.93	10.83	10.81	10.84	10.99	11.00	10.81	10.87	10.78
2.19	2.13	2.14	2.19	2.22	2.14	2.21	2.17	2.21	2.11	2.18	2.11	2.13	2.31	2.07	2.08
0.02	0.04	0.04	0.05	0.03	0.04	0.03	0.05	0.04	0.04	0.03	0.02	0.04	0.03	0.03	0.05
0.02	0.01	0.03	0.02	0.00	0.00	0.01	0.03	0.01	0.02	0.02	0.01	0.01	0.00	0.04	0.04
130	240	230	290	160	170	190	110	150	130	210	170	280	40	310	130
1133	1189	1221	1145	1217	1069	1185	1033	1089	1197	1205	1253	1297	1313	1426	1390
98.95	98.82	99.71	99.47	99.34	99.24	99.63	98.92	99.52	99.28	99.21	99.49	99.57	99.57	99.09	99.51

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
51.99	51.99	51.99	51.99	51.99	52.00	52.00	52.00	52.00	52.00	52.00	52.01	52.01	52.01	52.01	52.02
0.92	0.91	0.85	0.95	0.90	0.93	0.85	0.93	0.88	0.97	0.91	0.83	0.88	0.93	0.98	0.98
13.76	13.78	14.00	13.83	13.88	13.85	13.83	13.71	13.85	13.78	13.76	13.88	13.82	13.89	14.02	13.78
13.10	13.13	12.89	12.69	12.71	12.89	12.78	13.02	12.99	13.39	12.83	12.62	12.95	12.66	13.03	12.96
0.20	0.25	0.24	0.16	0.26	0.20	0.21	0.23	0.22	0.24	0.22	0.18	0.20	0.22	0.23	0.22
6.22	6.33	6.35	6.27	6.47	6.00	6.32	6.21	6.25	6.39	6.33	6.37	6.18	6.40	6.17	6.37
10.85	10.88	11.02	10.88	10.77	10.87	10.93	10.76	10.82	10.86	11.06	10.84	10.75	10.89	10.82	10.77
2.20	2.23	2.10	2.09	2.11	2.15	2.13	2.21	2.09	2.17	2.24	2.22	2.13	2.12	2.23	2.13
0.04	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.02	0.04	0.06	0.05	0.05	0.03	0.05	0.02
0.02	0.03	0.02	0.00	0.00	0.01	0.02	0.01	0.00	0.03	0.06	0.00	0.01	0.01	0.01	0.06
140	150	280	140	190	290	140	180	110	110	190	160	220	280	210	270
1313	1097	1125	1241	1253	1309	1233	1181	1289	1478	993	1193	1350	1129	1077	1321
99.43	99.69	99.65	99.06	99.29	99.12	99.25	99.27	99.26	100.03	99.59	99.14	99.14	99.32	99.70	99.45

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
52.03	52.03	52.04	52.04	52.04	52.05	52.05	52.06	52.06	52.06	52.07	52.07	52.07	52.07	52.07	52.08
0.95	0.92	0.92	0.85	0.89	0.86	0.91	0.93	0.90	0.86	0.90	0.88	0.90	0.94	0.97	0.90
13.84	13.95	13.89	13.88	14.01	13.96	13.76	13.73	13.91	13.88	13.84	13.94	13.72	13.78	13.59	13.72
12.79	12.75	12.66	12.31	12.54	12.88	13.00	12.68	12.91	12.96	12.72	12.78	12.61	12.85	13.15	12.96
0.21	0.22	0.25	0.22	0.20	0.19	0.20	0.23	0.23	0.20	0.21	0.19	0.20	0.21	0.19	0.19
6.17	6.43	6.49	6.37	6.41	6.51	6.26	6.54	6.21	6.48	6.33	6.43	6.30	6.14	6.06	6.35
10.59	10.67	10.92	11.04	11.08	10.88	10.90	10.99	10.74	11.01	10.87	11.11	11.10	11.01	10.79	11.03
2.14	2.14	2.12	2.11	2.09	2.17	2.19	2.22	2.05	2.12	2.15	2.05	2.14	2.22	2.13	2.08
0.03	0.04	0.04	0.02	0.06	0.02	0.03	0.05	0.06	0.03	0.06	0.04	0.06	0.03	0.06	0.03
0.01	0.01	0.01	0.01	0.03	0.00	0.01	0.05	0.03	0.02	0.00	0.00	0.01	0.03	0.02	0.01
90	230	240	220	190	160	220	260	230	240	220	80	240	200	350	160
1125	1454	1358	1237	1313	1217	1297	961	1125	1201	1161	1273	1137	1153	1458	1217
98.89	99.33	99.51	99.00	99.49	99.65	99.47	99.60	99.23	99.77	99.31	99.62	99.23	99.42	99.22	99.50

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
52.08	52.09	52.09	52.10	52.10	52.10	52.10	52.10	52.11	52.11	52.13	52.13	52.14	52.15	52.15	52.15
0.92	0.92	0.92	0.92	0.94	0.94	1.01	0.91	0.95	0.91	0.95	0.91	0.90	0.95	0.92	0.97
13.82	13.95	13.81	13.99	13.92	13.89	13.74	13.77	13.93	13.78	13.87	13.97	13.94	13.92	13.91	13.81
12.94	12.70	13.06	12.39	12.52	13.10	12.97	13.14	12.95	12.84	12.80	12.67	12.75	12.63	12.57	12.95
0.20	0.20	0.21	0.18	0.22	0.20	0.23	0.28	0.24	0.21	0.18	0.21	0.22	0.21	0.19	0.19
6.40	6.33	6.31	6.48	6.03	6.49	6.33	6.32	6.36	6.09	6.35	6.49	5.99	6.39	6.27	6.27
10.99	10.99	10.99	10.92	10.95	10.99	10.82	10.92	10.77	10.99	10.80	10.94	10.98	11.07	10.88	10.84
2.16	2.09	2.18	2.08	2.14	2.11	2.08	2.29	2.14	2.17	2.22	2.15	2.18	2.08	2.09	2.16
0.04	0.04	0.05	0.06	0.03	0.03	0.04	0.04	0.06	0.02	0.06	0.06	0.03	0.03	0.05	0.04
0.04	0.00	0.01	0.01	0.00	0.01	0.03	0.01	0.03	0.01	0.03	0.04	0.03	0.02	0.04	0.01
150	240	140	250	220	210	200	290	120	240	170	120	150	290	150	110
1133	1097	1089	1237	1065	1133	1414	1229	1273	1177	1241	1189	1117	985	1362	1173
99.73	99.42	99.75	99.27	98.98	99.99	99.52	99.94	99.68	99.28	99.52	99.70	99.28	99.57	99.22	99.53

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
52.16	52.16	52.16	52.16	52.16	52.16	52.16	52.16	52.16	52.16	52.17	52.17	52.17	52.17	52.18	52.18	52.18
0.94	0.95	0.87	0.96	0.90	0.91	0.96	0.96	0.93	0.91	1.01	0.93	0.84	0.98	0.95	0.92	0.92
13.77	13.76	13.93	13.75	13.89	14.00	13.79	13.77	13.84	13.89	13.85	13.65	14.17	13.83	13.67	13.86	13.86
13.13	13.03	12.83	12.75	12.76	12.60	12.87	12.89	12.88	12.70	13.11	12.90	12.10	12.78	12.97	12.74	12.74
0.22	0.21	0.25	0.20	0.20	0.18	0.19	0.21	0.21	0.19	0.18	0.17	0.23	0.20	0.18	0.20	0.20
6.20	6.18	6.35	6.23	6.36	6.40	6.21	6.09	6.42	6.39	6.23	6.30	6.60	6.58	6.43	6.31	6.31
11.08	10.96	10.98	11.10	10.89	10.91	10.72	10.92	11.09	10.96	10.84	10.93	11.21	11.08	10.62	10.82	10.82
2.11	2.14	2.07	2.13	2.18	2.13	2.13	2.21	2.12	2.16	2.16	2.16	2.14	2.17	2.11	2.21	2.21
0.04	0.05	0.04	0.03	0.04	0.04	0.04	0.02	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.04
0.00	0.01	0.00	0.01	0.02	0.00	0.03	0.04	0.00	0.00	0.02	0.00	0.02	0.01	0.00	0.00	0.00
20	260	160	230	160	140	200	200	170	200	120	190	70	350	230	170	170
1205	1346	1325	1257	1129	1245	1213	1121	1201	1105	1237	1129	993	1350	1233	1410	1410
99.78	99.62	99.64	99.47	99.52	99.46	99.25	99.40	99.83	99.52	99.75	99.37	99.62	100.02	99.32	99.44	99.44

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
52.19	52.19	52.19	52.20	52.20	52.21	52.21	52.21	52.22	52.22	52.22	52.23	52.24	52.25	52.25	52.27
0.97	0.91	0.93	0.95	1.05	1.00	0.94	0.98	0.93	0.91	0.92	0.99	0.99	0.88	0.95	0.88
13.88	13.96	13.92	13.63	13.90	13.88	13.85	13.78	13.87	13.93	13.90	13.87	13.89	14.00	13.83	14.03
12.95	12.67	13.04	12.67	12.91	12.93	12.57	12.89	12.69	12.75	12.76	12.87	13.04	12.59	12.74	12.29
0.21	0.21	0.23	0.25	0.20	0.17	0.21	0.22	0.24	0.17	0.14	0.22	0.24	0.19	0.22	0.17
6.32	6.48	6.36	6.50	6.39	6.24	6.22	6.38	6.45	6.35	6.27	6.43	6.21	6.35	6.33	6.81
10.90	10.99	10.82	10.95	11.00	10.85	10.82	10.93	10.98	10.84	10.81	10.74	10.89	11.05	11.00	11.15
2.02	2.13	2.18	2.17	2.13	2.24	2.16	2.21	2.14	2.16	2.15	2.20	2.15	2.13	2.18	1.98
0.05	0.05	0.05	0.03	0.04	0.04	0.06	0.03	0.05	0.04	0.04	0.03	0.04	0.06	0.05	0.01
0.05	0.02	0.06	0.02	0.00	0.01	0.00	0.03	0.00	0.05	0.01	0.00	0.04	0.01	0.01	0.01
220	200	280	190	180	240	230	80	210	190	160	200	220	250	400	110
1438	1165	1253	1478	1173	1217	1113	1518	1197	1229	1209	1478	1454	1482	1378	1253
99.70	99.75	99.92	99.52	99.95	99.72	99.18	99.84	99.72	99.58	99.35	99.74	99.89	99.69	99.74	99.75

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
52.27	52.27	52.27	52.27	52.29	52.29	52.29	52.29	52.31	52.31	52.32	52.32	52.32	52.33	52.33	52.33	52.33
0.99	0.85	0.99	0.94	0.92	0.89	0.97	0.93	0.91	0.89	0.93	0.90	0.94	0.88	0.92	1.01	1.01
13.96	13.87	13.96	13.83	13.85	13.78	13.89	13.80	13.94	13.87	13.83	13.98	14.00	13.79	13.77	13.86	13.86
12.32	12.97	13.03	12.75	12.99	13.11	12.68	12.86	12.84	12.97	12.67	12.77	12.89	12.70	12.60	13.16	13.16
0.19	0.17	0.17	0.21	0.18	0.24	0.21	0.19	0.26	0.24	0.21	0.22	0.23	0.23	0.23	0.26	0.26
6.41	6.19	6.06	6.20	6.25	6.36	6.41	6.30	6.29	6.14	6.46	6.40	6.23	6.03	6.38	6.22	6.22
11.13	10.90	10.75	11.04	10.73	10.72	11.04	10.82	10.83	10.84	10.87	11.07	10.86	11.00	11.13	10.63	10.63
2.01	2.19	2.17	2.17	2.15	2.18	2.19	2.13	2.14	2.18	2.17	2.06	2.18	2.14	2.06	2.20	2.20
0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.05	0.04	0.04	0.04	0.03	0.04	0.05	0.05
0.01	0.02	0.03	0.02	0.04	0.03	0.02	0.04	0.00	0.05	0.04	0.02	0.05	0.00	0.03	0.02	0.02
280	110	130	250	210	320	120	80	280	120	130	110	150	250	220	180	180
1241	1109	1257	1265	1354	1161	1213	1269	1225	1346	1285	1217	1261	1221	1221	1370	1370
99.49	99.60	99.63	99.62	99.59	99.79	99.88	99.54	99.69	99.68	99.69	99.92	99.87	99.28	99.63	99.88	99.88

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	
52.33	52.33	52.34	52.34	52.34	52.35	52.37	52.37	52.37	52.37	52.37	52.37	52.37	52.38	52.38	52.39	52.42
0.91	1.01	0.95	0.94	0.92	0.90	0.95	0.91	0.95	0.92	1.00	0.89	0.92	0.92	0.88	0.96	
13.79	14.00	13.97	13.87	13.72	13.84	13.92	13.74	13.88	13.83	14.13	13.92	13.95	14.06	13.97	13.94	
12.86	12.75	12.99	13.09	12.75	12.61	12.93	12.81	13.04	12.57	12.46	12.72	12.62	12.65	12.78	12.91	
0.21	0.19	0.22	0.20	0.22	0.23	0.22	0.26	0.21	0.18	0.18	0.20	0.19	0.24	0.22	0.19	
6.43	6.35	6.01	6.27	6.49	6.50	6.27	6.18	6.22	6.53	6.48	6.42	6.27	6.49	6.49	6.27	
10.75	10.84	10.89	10.96	10.90	10.97	10.81	10.75	10.94	11.07	11.01	10.88	10.96	10.89	10.83	10.96	
2.18	2.20	2.16	2.20	2.22	2.09	2.13	2.03	2.17	2.20	2.20	2.15	2.12	2.10	2.10	2.19	
0.03	0.05	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.05	0.04	0.04	0.05	0.04	0.04	0.05	
0.06	0.04	0.04	0.05	0.00	0.01	0.01	0.02	0.02	0.03	0.00	0.03	0.03	0.05	0.03	0.05	
200	170	190	220	290	250	260	170	290	240	250	90	220	180	110	190	
1241	1245	1578	1309	1109	1189	1193	1434	1309	1253	1093	1197	1225	1077	1149	1237	
99.69	99.90	99.77	100.11	99.74	99.68	99.80	99.27	99.99	99.89	100.01	99.77	99.62	99.95	99.86	100.09	

B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
52.44	52.48	52.51	52.51	52.55	52.57	52.63	52.69	51.63	51.48	51.36	51.71	51.54	51.36	52.02	51.70
0.95	0.90	0.88	0.94	0.91	0.92	0.91	0.90	0.95	0.90	0.90	0.98	0.86	0.96	0.97	0.87
14.08	13.94	13.95	14.00	13.98	13.91	13.81	13.83	13.73	13.86	13.99	13.84	13.69	13.79	13.83	13.74
12.72	12.80	12.62	12.82	12.77	12.45	12.69	12.98	12.68	12.59	12.72	12.56	12.52	12.84	12.33	12.47
0.24	0.24	0.21	0.18	0.18	0.20	0.23	0.23	0.27	0.18	0.14	0.20	0.20	0.18	0.20	0.19
6.33	6.32	6.23	6.49	6.35	6.49	6.52	6.35	6.24	6.47	6.41	6.10	6.37	6.41	6.42	6.44
11.04	10.92	10.77	11.15	10.87	11.09	11.04	10.88	10.86	11.03	10.80	10.93	11.05	10.82	10.57	10.96
2.08	2.21	2.14	1.94	2.10	2.09	2.07	2.12	2.02	2.08	2.21	2.10	2.10	2.15	2.18	2.16
0.04	0.04	0.04	0.05	0.03	0.05	0.02	0.04	0.04	0.05	0.03	0.03	0.04	0.05	0.03	0.04
0.01	0.03	0.03	0.03	0.01	0.03	0.01	0.01	0.01	0.02	0.01	0.04	0.05	0.03	0.03	0.00
220	210	160	120	80	260	280	260	150	210	60	220	190	190	110	220
1518	1237	1193	981	1161	1197	1329	1289	1269	1177	1309	1438	1141	1101	1037	1237
100.12	100.02	99.53	100.22	99.88	99.93	100.09	100.19	98.58	98.80	98.71	98.67	98.56	98.72	98.71	98.71

B	B	B	B	B	B	B	B	B	B	B	B	B	B	Mean	Std. Dev.	C
50.73	51.26	51.57	51.81	51.31	51.72	51.65	51.76	50.54	52.55	52.61	52.49	52.51	51.98	0.33	51.98	
0.91	0.97	1.01	0.93	0.91	0.83	0.95	0.85	0.97	0.94	0.87	0.91	0.93	0.93	0.04	0.94	
13.72	13.64	13.71	13.89	13.68	13.94	13.96	13.88	13.97	14.02	14.09	13.95	14.04	13.86	0.12	13.82	
13.10	13.09	12.96	12.62	12.55	12.23	12.68	12.69	12.36	12.81	12.66	12.78	12.79	12.78	0.23	13.30	
0.16	0.21	0.21	0.21	0.19	0.25	0.18	0.20	0.18	0.24	0.20	0.19	0.20	0.21	0.03	0.16	
6.23	6.12	6.04	6.29	6.12	6.43	6.17	6.27	6.85	6.56	6.48	6.61	6.61	6.37	0.17	6.72	
10.91	10.64	10.70	10.66	10.89	11.08	10.79	10.80	11.50	11.07	11.02	11.10	11.07	10.94	0.18	10.94	
2.18	2.23	2.16	2.15	2.15	2.17	2.05	2.11	1.97	2.15	2.13	2.06	2.14	2.14	0.06	2.26	
0.05	0.05	0.06	0.05	0.05	0.03	0.03	0.04	0.04	0.03	0.05	0.04	0.04	0.04	0.01	0.03	
0.03	0.04	0.05	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.02	0.05	0.03	0.02	0.02	0.05	
360	180	270	170	270	240	240	250	520	190	360	260	320	211	88		
1225	1241	1257	1261	1394	1065	1358	1209	1105	1069	1229	1229	1289	1225	116		
98.18	98.40	98.60	98.76	98.01	98.82	98.64	98.74	98.55	100.51	100.29	100.32	100.52	99.41	0.41	100.21	

C	C	C	C	C	C	C	C	C	C	C	C	C	C	Mean	Std. Dev.
52.31	51.91	52.49	52.29	52.82	52.16	52.58	52.54	53.22	52.20	52.85	52.39	53.10	52.70	52.50	0.38
0.93	0.96	0.93	0.96	0.95	0.95	0.91	0.95	0.97	0.92	0.94	0.92	0.95	0.94	0.94	0.02
13.50	13.46	13.60	13.92	13.74	13.33	13.48	13.75	13.72	13.87	13.77	13.61	13.62	13.46	13.64	0.17
12.77	13.03	12.88	12.95	12.62	12.87	12.94	12.99	13.05	12.85	13.34	13.38	12.96	12.85	12.99	0.21
0.15	0.19	0.19	0.19	0.17	0.17	0.19	0.19	0.27	0.23	0.22	0.20	0.21	0.19	0.20	0.03
6.76	6.67	6.34	6.71	6.64	6.71	6.74	7.05	6.68	6.70	6.66	6.63	6.85	6.62	6.70	0.15
10.69	10.52	10.83	10.63	10.77	10.59	10.45	10.97	10.83	10.66	11.13	10.70	10.95	10.64	10.75	0.19
2.19	2.43	2.19	2.11	2.04	2.15	2.22	2.08	2.33	2.38	2.37	2.37	2.12	2.27	2.23	0.12
0.05	0.06	0.04	0.04	0.04	0.04	0.06	0.04	0.06	0.04	0.05	0.05	0.05	0.03	0.04	0.01
0.10	0.12	0.04	0.09	0.09	0.14	0.06	0.06	0.11	0.03	0.03	0.13	0.17	0.08	0.09	0.04
99.46	99.34	99.54	99.89	99.89	99.11	99.63	100.62	101.23	99.89	101.37	100.38	100.99	99.78	100.09	0.69