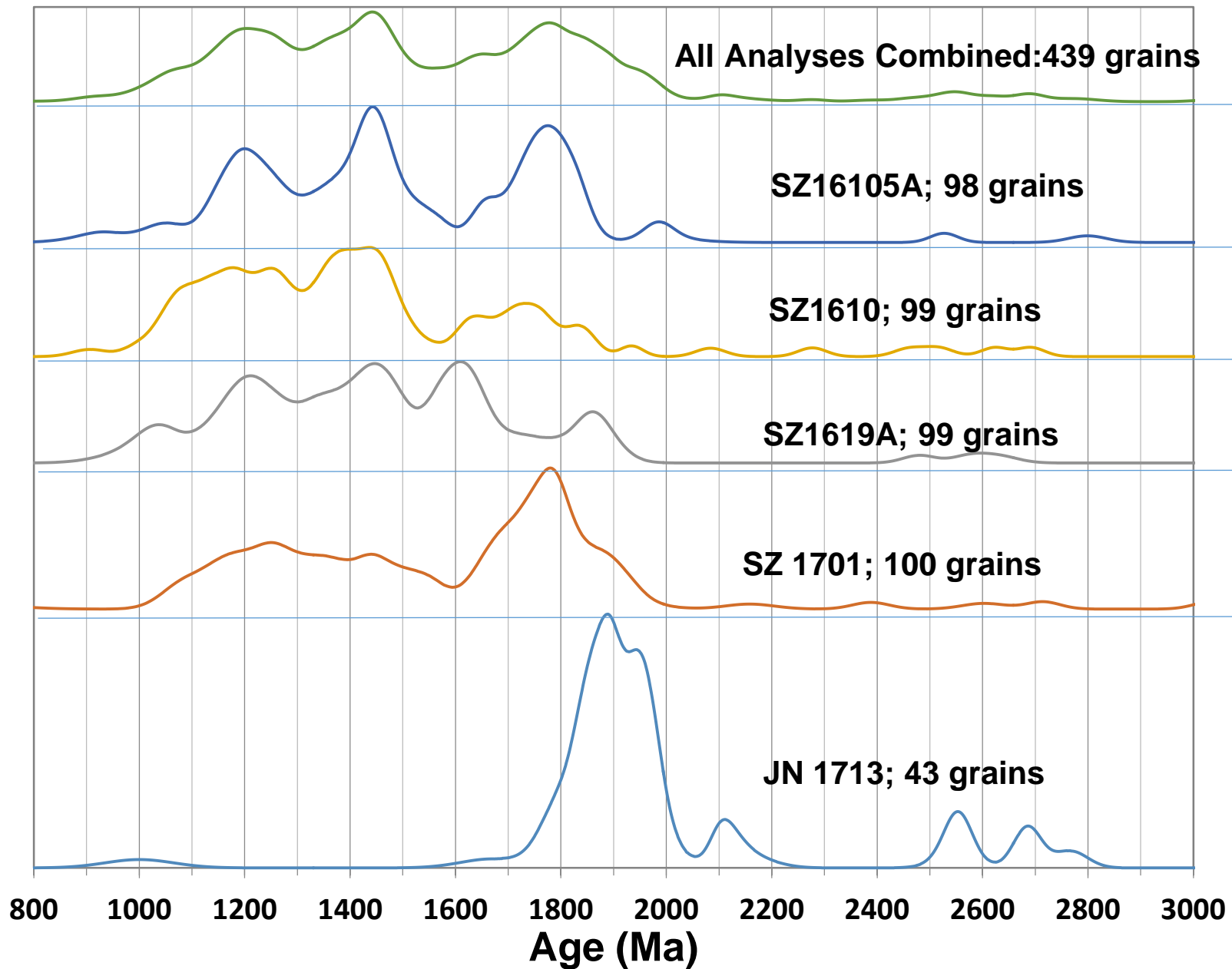
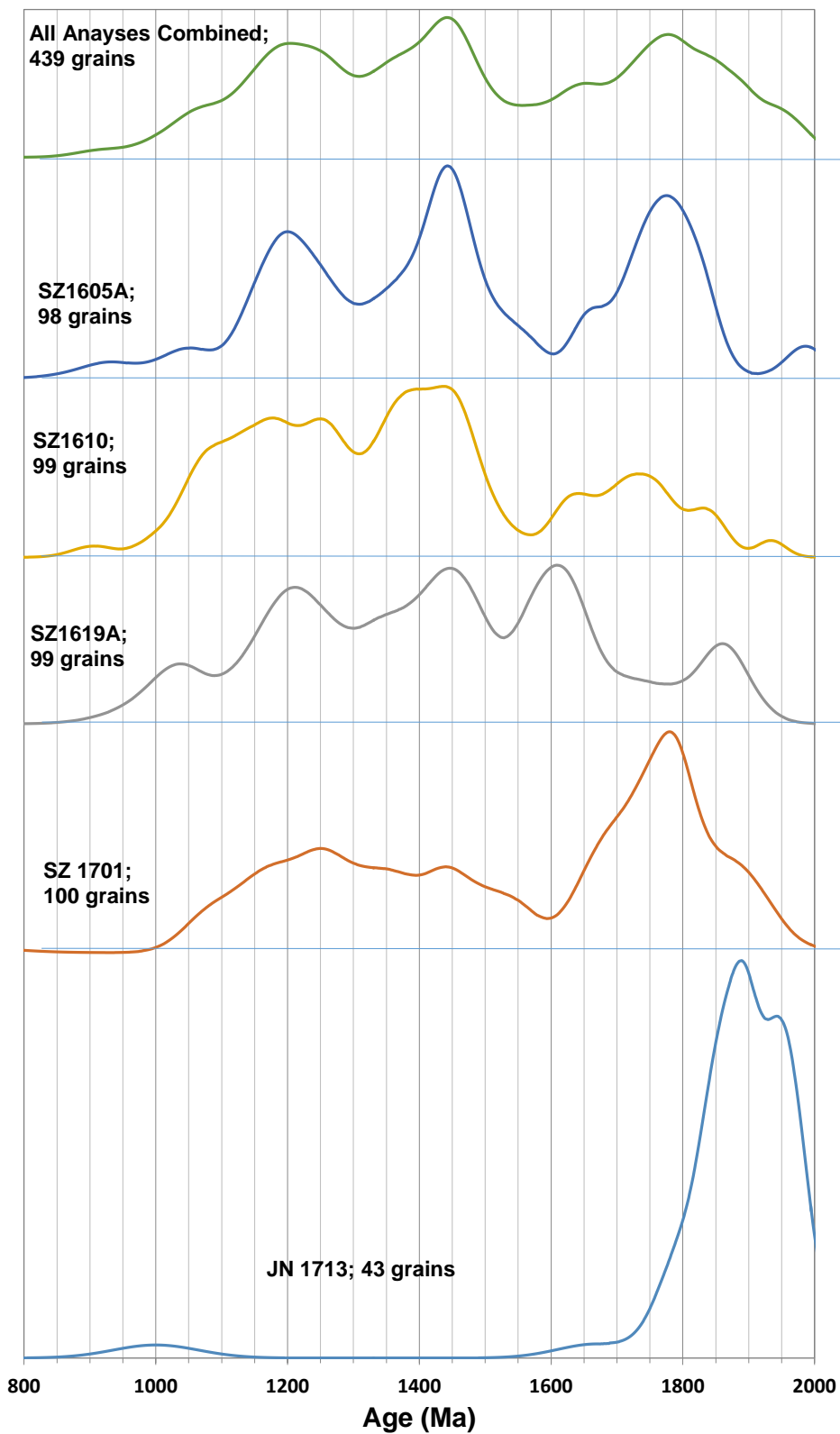


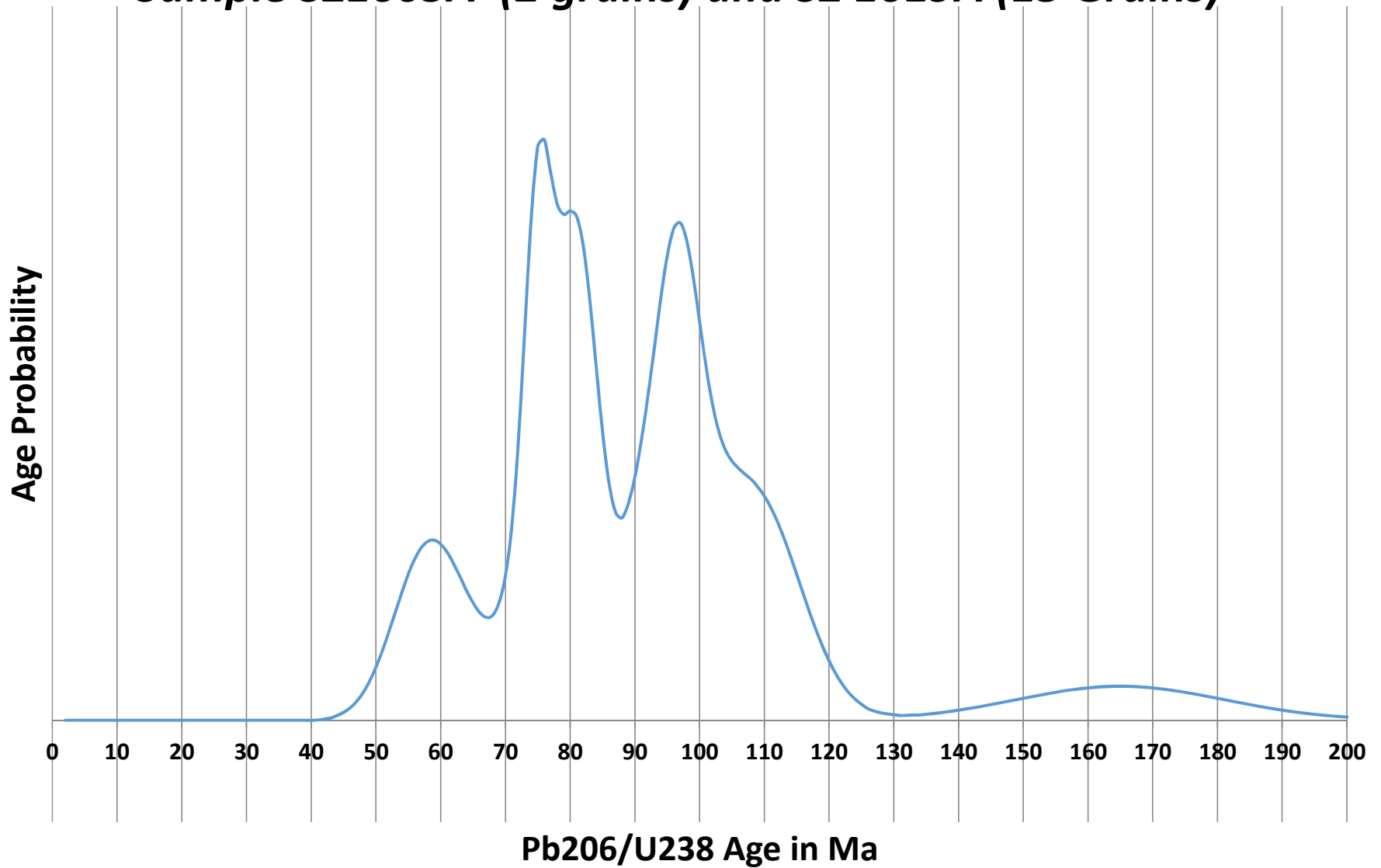
Age Probability



Age Probability



***High U/Th Metamorphic Overgrowths on Zircon from
Sample SZ1605A (2 grains) and SZ 1619A (13 Grains)***



Detrital Zircon U-Pb Results from Ontario Ridge--Analyzed on ICP-MS at CSUN: April and August, 2017

Sample S21610	ppm U	ppm Th	U/Th	Th/U	Pb207/Pb206 Age	2 sigma	1 sigma	Pb207/U235 Age	Pb206/U238 Age	% discordance	Comment
Z03_1	323	121.7	2.654	0.377	2084	56.0	28.0	1910	1781	14.5%	
Z03_10	182.3	135	1.350	0.741	1772	54.0	27.0	1727	1708	3.6%	
Z03_11	170.9	130.8	1.307	0.765	1449	48.0	24.0	1456	1430	1.3%	
Z03_12	1303	640	2.036	0.491	1059	68.0	34.0	1084	1087	-2.6%	
Z03_13	436	273	1.597	0.626	1848	49.0	24.5	1830	1789	3.2%	
Z03_14	474	243	1.951	0.513	1145	65.0	32.5	1017	916	20.0%	
Z03_15	65.7	83.4	0.788	1.269	1211	72.0	36.0	1244	1248	-3.1%	
Z03_16	214	231	0.926	1.079	1365	64.0	32.0	1303	1271	6.9%	
Z03_17	254	176.7	1.437	0.696	1374	55.0	27.5	1164	1034	24.7%	
Z03_18	201	185.1	1.086	0.921	1680	62.0	31.0	1473	1329	20.9%	
Z03_19	112.8	132.6	0.851	1.176	1097	69.0	34.5	865	798	27.3%	
Z03_2	257	427	0.602	1.661	1440	58.0	29.0	1440	1454	-1.0%	
Z03_20	223.7	288.4	0.776	1.289	1399	48.0	24.0	1092	937	33.0%	
Z03_21	954	508	1.878	0.532	1434	62.0	31.0	1270	1167	18.6%	
Z03_22	115	164	0.701	1.426	1183	72.0	36.0	1079	1020	13.8%	
Z03_23	303	223	1.359	0.736	1180	58.0	29.0	1240	1247	-5.7%	
Z03_24	1160	893	1.299	0.770	2692	48.0	24.0	2690	2691	0.0%	
Z03_25	342	177.6	1.926	0.519	1636	58.0	29.0	1285	1073	34.4%	
Z03_26	297	132.6	2.240	0.446	1463	60.0	30.0	1557	1612	-10.2%	
Z03_27	575	390	1.474	0.678	1435	68.0	34.0	1347	1281	10.7%	
Z03_28	148.5	212	0.700	1.428	1478	70.0	35.0	1447	1448	2.0%	
Z03_29	316	241	1.311	0.763	1767	47.0	23.5	1783	1790	-1.3%	
Z03_3	169.9	152	1.118	0.895	1934	45.0	22.5	1877	1867	3.5%	
Z03_30	70.4	52.2	1.349	0.741	1364	52.0	26.0	1312	1301	4.6%	
Z03_31	447	170	2.629	0.380	1758	52.0	26.0	1306	1042	40.7%	
Z03_32	125.8	107.8	1.167	0.857	1386	67.0	33.5	1419	1447	-4.4%	
Z03_33	605	172	3.517	0.284	1263	71.0	35.5	1127	1061	16.0%	
Z03_34	19.4	18.7	1.037	0.964	1275	70.0	35.0	1236	1224	4.0%	
Z03_35	180	187	0.963	1.039	1061	72.0	36.0	1031	1023	3.6%	
Z03_36	337	196	1.719	0.582	1424	66.0	33.0	1380	1358	4.6%	
Z03_37	820	231	3.550	0.282	1237	51.0	25.5	1087	1003	18.9%	
Z03_38	260	167	1.557	0.642	1708	73.0	36.5	1490	1353	20.8%	
Z03_39	470	440	1.068	0.936	1477	66.0	33.0	1411	1389	6.0%	
Z03_4	135.3	221	0.612	1.633	1264	47.0	23.5	1237	1238	2.1%	
Z03_40	508	108	4.704	0.213	995	57.0	28.5	999	1007	-1.2%	
Z03_41	396	501	0.790	1.265	1241	60.0	30.0	1124	1077	13.2%	
Z03_42	121.4	119.8	1.013	0.987	1424	50.0	25.0	1188	1063	25.4%	
Z03_43	893	443	2.016	0.496	1179	61.0	30.5	1211	1225	-3.9%	
Z03_44	232	132.1	1.756	0.569	1618	50.0	25.0	1465	1397	13.7%	
Z03_45	353	259	1.363	0.734	2518	56.0	28.0	2332	2147	14.7%	
Z03_46	686	324	2.117	0.472	1258	65.0	32.5	1207	1199	4.7%	
Z03_47	601	493	1.219	0.820	1728	53.0	26.5	1739	1722	0.3%	
Z03_48	206	131.8	1.563	0.640	1185	57.0	28.5	1210	1218	-2.8%	
Z03_49	373	379	0.984	1.016	2623	52.0	26.0	2414	2152	18.0%	
Z03_5	441	424	1.040	0.961	1133	47.0	23.5	1055	1016	10.3%	
Z03_50	217	542	0.400	2.498	2277	55.0	27.5	2218	2176	4.4%	High Th/U
Z03_51	118.8	103.3	1.150	0.870	1172	69.0	34.5	1097	1068	8.9%	
Z03_52	104.4	99.9	1.045	0.957	1411	60.0	30.0	1378	1350	4.3%	
Z03_53	494	584	0.846	1.182	1238	79.0	39.5	1087	1014	18.1%	
Z03_54	199	170.5	1.167	0.857	1089	73.0	36.5	1098	1089	0.0%	
Z03_55	142.7	184.3	0.774	1.292	1370	75.0	37.5	1402	1423	-3.9%	
Z03_56	183.5	92.3	1.988	0.503	1640	60.0	30.0	1340	1174	28.4%	
Z03_57	306	25.7	11.907	0.084	1744	68.0	34.0	1585	1475	15.4%	
Z03_58	35	62.6	0.559	1.789	1365	66.0	33.0	1299	1225	10.3%	
Z03_59	164.7	44.5	3.701	0.270	1190	95.0	47.5	1131	1115	6.3%	
Z03_6	480	266	1.805	0.554	1692	53.0	26.5	1566	1484	12.3%	
Z03_60	329	150	2.193	0.456	1301	65.0	32.5	1231	1165	10.5%	
Z03_61	109.4	65.6	1.668	0.600	1129	78.0	39.0	1188	1189	-5.3%	
Z03_62	143	74.4	1.922	0.520	1822	56.0	28.0	1778	1771	2.8%	
Z03_63	693	289	2.398	0.417	1464	56.0	28.0	1357	1302	11.1%	
Z03_64	38	63.5	0.598	1.671	1372	73.0	36.5	1255	1170	14.7%	
Z03_65	219	112.8	1.941	0.515	1368	69.0	34.5	948	769	43.8%	
Z03_66	329	171	1.924	0.520	1642	61.0	30.5	1606	1571	4.3%	
Z03_67	155.3	95	1.635	0.612	1137	76.0	38.0	1197	1222	-7.5%	
Z03_68	373	159	2.346	0.426	1224	80.0	40.0	1179	1178	3.8%	
Z03_69	122	68.2	1.789	0.559	1536	89.0	44.5	1438	1369	10.9%	
Z03_7	73.8	49.1	1.503	0.665	1055	61.0	30.5	1084	1073	-1.7%	
Z03_70	300	142.7	2.102	0.476	1333	68.0	34.0	1237	1177	11.7%	
Z03_71	50.6	88.6	0.571	1.751	1277	80.0	40.0	1248	1243	2.7%	
Z03_72	114.7	50	2.294	0.436	906	67.0	33.5	1022	1024	-13.0%	Young grain used to constrain maximum depositional age
Z03_73	318	132.2	2.405	0.416	1359	71.0	35.5	1255	1182	13.0%	
Z03_74	190	77	2.468	0.405	1101	79.0	39.5	711	606	45.0%	
Z03_75	517	192	2.693	0.371	1716	53.0	26.5	1662	1628	5.1%	

Z03_76	237	71	3.338	0.300	2461	58.0	29.0	2346	2200	10.6%	
Z03_77	168.4	104.4	1.613	0.620	1511	79.0	39.5	1072	875	42.1%	
Z03_78	108	59.4	1.818	0.550	1394	81.0	40.5	1347	1273	8.7%	
Z03_79	414	190.7	2.171	0.461	1189	66.0	33.0	1051	991	16.7%	
Z03_8	194	113.8	1.705	0.587	1405	61.0	30.5	1442	1471	-4.7%	
Z03_80	321	119.1	2.695	0.371	1816	59.0	29.5	1692	1558	14.2%	
Z03_81	325	115.6	2.811	0.356	1296	75.0	37.5	1178	1075	17.1%	
Z03_82	777	362	2.146	0.466	1089	69.0	34.5	1092	1068	1.9%	
Z03_83	131.8	98	1.345	0.744	1341	61.0	30.5	1205	1102	17.8%	
Z03_84	361	134.8	2.678	0.373	1428	68.0	34.0	1077	904	36.7%	
Z03_85	1109	287	3.864	0.259	1163	65.0	32.5	1052	961	17.4%	
Z03_86	118.9	71.5	1.663	0.601	1472	65.0	32.5	1412	1399	5.0%	
Z03_87	150.9	73.7	2.047	0.488	1516	80.0	40.0	1454	1382	8.8%	
Z03_88	24.5	30.3	0.809	1.237	1078	84.0	42.0	952	885	17.9%	
Z03_89	66.9	66.3	1.009	0.991	1059	76.0	38.0	972	940	11.2%	
Z03_9	410	213.5	1.920	0.521	1460	48.0	24.0	1399	1353	7.3%	
Z03_90	87.1	50	1.742	0.574	1085	65.0	32.5	1033	1033	4.8%	
Z03_91	134.2	47.5	2.825	0.354	1207	79.0	39.5	1186	1193	1.2%	
Z03_92	109.1	89.7	1.216	0.822	1844	58.0	29.0	1743	1731	6.1%	
Z03_93	65.1	31.6	2.060	0.485	1127	71.0	35.5	1067	1070	5.1%	
Z03_94	550	116.4	4.725	0.212	1258	70.0	35.0	1036	957	23.9%	
Z03_95	190	101.7	1.868	0.535	1624	97.0	48.5	1458	1341	17.4%	
Z03_96	199	58	3.431	0.291	1730	57.0	28.5	1700	1700	1.7%	
Z03_97	167.3	114.9	1.456	0.687	1481	61.0	30.5	1339	1290	12.9%	
Z03_98	50.8	122.3	0.415	2.407	1288	93.0	46.5	1088	1033	19.8%	
Z03_99	140	110.1	1.272	0.786	1321	80.0	40.0	1264	1304	1.3%	
Sample	ppm U	ppm Th	U/Th	Th/U	Pb207/Pb206	2 sigma	1 sigma	Pb207/U235	Pb206/U238	% discordance	Comment
SZ1605A	Age	Age	Age	Age	Age	Age	Age	Age	Age	Age	Age
X1605a_1	65.0	45.3	1.435	0.697	1209	69	34.5	1101	1054	12.8%	
X1605a_2	246.0	33.1	7.432	0.135	1437	84	42	357	208	85.5%	
X1605a_3	198.0	75.5	2.623	0.381	1800	55	27.5	1375	1120	37.8%	
X1605a_4	155.4	57.9	2.684	0.373	1846	58	29	1573	1399	24.2%	
X1605a_5	145.0	116.8	1.241	0.806	1650	54	27	1510	1415	14.2%	
X1605a_6	154.0	30.8	5.000	0.200	1786	72	36	1523	1360	23.9%	
X1605a_7	73.0	40	1.825	0.548	1460	63	31.5	894	693	52.5%	
X1605a_8	112.9	66.1	1.708	0.585	1370	52	26	1188	1089	20.5%	
X1605a_9	84.1	89.5	0.940	1.064	1538	51	25.5	1394	1315	14.5%	
X1605a_10	392.0	63	6.222	0.161	1988	62	31	1240	844	57.5%	
X1605a_11	112.7	54.5	2.068	0.484	1448	54	27	1387	1366	5.7%	
X1605a_12	84.1	41.2	2.041	0.490	1757	53	26.5	1629	1542	12.2%	
X1605a_13	153.1	63.6	2.407	0.415	1195	60	30	584	446	62.7%	
X1605a_14	100.4	92.9	1.081	0.925	1487	52	26	1451	1426	4.1%	
X1605a_15	603.0	66	9.136	0.109	1571	44	22	543	332	78.9%	
X1605a_16	129.0	74.6	1.729	0.578	1436	52	26	907	699	51.3%	
X1605a_17	193.0	275.1	0.702	1.425	1053	65	32.5	1055	1052	0.1%	
X1605a_18	61.7	18.89	3.266	0.306	1390	50	25	1353	1347	3.1%	
X1605a_19	468.0	514	0.911	1.098	1463	64	32	882	694	52.6%	
X1605a_20	462.0	89.3	5.174	0.193	1705	89	44.5	904	618	63.8%	
X1605a_21	101.5	51.1	1.986	0.503	1437	54	27	1452	1443	-0.4%	
X1605a_22	233.0	197	1.183	0.845	1984	52	26	1839	1724	13.1%	
X1605a_23	204.0	61.7	3.306	0.302	1812	93	46.5	809	522	71.2%	
X1605a_24	192.0	127	1.512	0.661	1834	46	23	1177	885	51.7%	
X1605a_25	364.0	95.2	3.824	0.262	1654	48	24	1120	862	47.9%	
X1605a_26	28.4	21.52	1.320	0.758	1445	61	30.5	1433	1433	0.8%	
X1605a_27	274.0	123.8	2.213	0.452	1190	46	23	1145	1135	4.6%	
X1605a_28	155.9	108.2	1.441	0.694	1152	55	27.5	1177	1178	-2.3%	
X1605a_29	31.9	89.5	0.356	2.806	1223	81	40.5	1182	1156	5.5%	High Th/U
X1605a_30	331.0	194.5	1.702	0.588	1715	45	22.5	1564	1469	14.3%	
X1605a_31	93.1	61.3	1.519	0.658	1524	53	26.5	1455	1413	7.3%	
X1605a_32	210.3	224.1	0.938	1.066	1154	57	28.5	1143	1122	2.8%	
X1605a_33	84.3	78.9	1.068	0.936	1796	47	23.5	1789	1792	0.2%	
X1605a_34	98.4	86.4	1.139	0.878	1279	65	32.5	1175	1128	11.8%	
X1605a_35	496.0	271	1.830	0.546	1060	69	34.5	425	319	69.9%	
X1605a_36	21.3	15.52	1.372	0.729	1207	60	30	1131	1117	7.5%	
X1605a_37	143.5	416	0.345	2.899	1197	68	34	1148	1108	7.4%	High Th/U
X1605a_38	319.0	113.8	2.803	0.357	1743	55	27.5	1326	1098	37.0%	
X1605a_39	81.5	70.5	1.156	0.865	1426	82	41	1426	1450	-1.7%	
X1605a_40	499.0	128.3	3.889	0.257	1762	78	39	1252	982	44.3%	
X1605a_41	173.8	88.2	1.971	0.507	1423	80	40	1370	1321	7.2%	
X1605a_42	292.0	46.9	6.226	0.161	1316	83	41.5	1113	1014	22.9%	
X1605a_43	555.0	77	7.208	0.139	1762	54	27	1515	1378	21.8%	
X1605a_44	393.0	199.1	1.974	0.507	1774	92	46	1472	1312	26.0%	
X1605a_45	634.0	331	1.915	0.522	1624	79	39.5	1238	1021	37.1%	
X1605a_46	1311.0	96.7	13.557	0.074	295	97	48.5	80.3	75.9	74.3%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1605a_47	162.0	46.7	3.469	0.288	1122	71	35.5	1095	1112	0.9%	
X1605a_48	97.6	62	1.574	0.635	1428	66	33	1366	1290	9.7%	

X1605a_49	427.0	75	5.693	0.176	1205	87	43.5	416	300	75.1%		
X1605a_50	207.0	96.5	2.145	0.466	1775	64	32	1649	1492	15.9%		
X1605a_51	63.5	73.9	0.859	1.164	1236	84	42	895	753	39.1%		
X1605a_52	227.0	78.8	2.881	0.347	1427	88	44	1213	1104	22.6%		
X1605a_53	191.0	84.1	2.271	0.440	1799	57	28.5	1687	1607	10.7%		
X1605a_54	16.0	30.7	0.522	1.914	910	110	55	850	811	10.9%	Young grain used to constrain maximum depositional age	
X1605a_55	207.0	59.2	3.497	0.286	1807	70	35	1655	1546	14.4%		
X1605a_56	23.4	8.16	2.868	0.349	1272	83	41.5	1240	1258	1.1%		
X1605a_57	23.0	13.28	1.732	0.577	1353	60	30	1359	1341	0.9%		
X1605a_58	272.0	53.1	5.122	0.195	1758	79	39.5	838	534	69.6%		
X1605a_59	116.4	35.8	3.251	0.308	1435	79	39.5	1303	1213	15.5%		
X1605a_60	226.0	92.8	2.435	0.411	1798	70	35	1206	890	50.5%		
X1605a_61	330.0	91.5	3.607	0.277	1545	72	36	1025	773	50.0%		
X1605a_62	288.0	127.4	2.261	0.442	1669	54	27	1447	1286	22.9%		
X1605a_63	186.0	32.3	5.759	0.174	1310	100	50	950	840	35.9%		
X1605a_64	110.7	43.9	2.522	0.397	2799	73	36.5	2684	2500	10.7%		
X1605a_65	139.0	93	1.495	0.669	1312	89	44.5	1235	1205	8.2%		
X1605a_66	117.5	116.8	1.006	0.994	1242	66	33	1275	1281	-3.1%		
X1605a_67	166.0	94.6	1.755	0.570	1432	81	40.5	1269	1193	16.7%		
X1605a_68	154.5	61.8	2.500	0.400	1506	75	37.5	792	561	62.7%		
X1605a_69	138.0	76.5	1.804	0.554	934	77	38.5	722	672	28.1%	Young grain used to constrain maximum depositional age	
X1605a_70	676.0	231.7	2.918	0.343	1217	70	35	646	485	60.1%		
X1605a_71	198.0	126.9	1.560	0.641	1163	86	43	1126	1098	5.6%		
X1605a_72	102.0	52.8	1.932	0.518	1348	66	33	1233	1160	13.9%		
X1605a_73	156.0	160	0.975	1.026	1808	64	32	1620	1472	18.6%		
X1605a_74	50.3	72.7	0.692	1.445	1339	65	32.5	1314	1305	2.5%		
X1605a_75	126.2	71.5	1.765	0.567	1439	69	34.5	1380	1333	7.4%		
X1605a_76	317.0	312	1.016	0.984	1416	61	30.5	1283	1186	16.2%		
X1605a_77	106.3	92	1.155	0.865	1767	60	30	1861	1925	-8.9%		
X1605a_78	384.0	172	2.233	0.448	1182	62	31	914	814	31.1%		
X1605a_79	75.2	43.8	1.717	0.582	1435	60	30	1406	1391	3.1%		
X1605a_80	272.0	60.7	4.481	0.223	1015	69	34.5	615	526	48.2%		
X1605a_81	199.0	50.7	3.925	0.255	1774	87	43.5	1505	1360	23.3%		
X1605a_82	297.0	54.5	5.450	0.184	1357	87	43.5	1078	945	30.4%		
X1605a_83	103.4	41.8	2.474	0.404	1726	60	30	1621	1532	11.2%		
X1605a_84	78.2	35.5	2.203	0.454	1671	58	29	1108	846	49.4%		
X1605a_85	83.1	99	0.839	1.191	1832	45	22.5	1828	1795	2.0%		
X1605a_86	186.0	200.1	0.930	1.076	1263	83	41.5	883	742	41.3%		
X1605a_87	333.0	87.5	3.806	0.263	1454	62	31	717	500	65.6%		
X1605a_88	54.8	43.4	1.263	0.792	1248	61	30.5	1293	1284	-2.9%		
X1605a_89	51.8	23.73	2.183	0.458	1234	68	34	1226	1186	3.9%		
X1605a_90	680.0	231	2.944	0.340	1167	79	39.5	543	409	65.0%		
X1605a_91	114.4	66.6	1.718	0.582	1456	58	29	1346	1271	12.7%		
X1605a_92	68.9	71.4	0.965	1.036	2527	52	26	2532	2534	-0.3%		
X1605a_93	485.0	333	1.456	0.687	1742	71	35.5	1092	846	51.4%		
X1605a_94	118.9	46.7	2.546	0.393	2000	120	60	1960	1890	5.5%		
X1605a_95	293.0	204	1.436	0.696	1480	65	32.5	1223	1077	27.2%		
X1605a_96	109.3	104.8	1.043	0.959	1750	75	37.5	1808	1810	-3.4%		
X1605a_97	17.7	-0.003	-5900.000	0.000	1540	440	220	159	75.2	95.1%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted	
X1605a_98	121.7	129.6	0.939	1.065	1734	69	34.5	1651	1600	7.7%		
X1605a_99	615.0	54.8	11.223	0.089	1458	78	39	530	333	77.2%		
X1605a_100	225.0	78.7	2.859	0.350	1148	65	32.5	1072	1033	10.0%		
Sample	ppm U	ppm Th	U/Th	Th/U	Pb207/Pb206	Age	2 sigma	1 sigma	Pb207/U235	Pb206/U238	% discordance	Comment
X1619_1	225.0	78.2	2.877	0.348	1142	67	67	33.5	1068	1033	9.5%	
X1619_2	87.8	-0.0037	-23729.730	0.000	520	16	16	8	64	57	89.0%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_3	75.3	45	1.673	0.598	1273	59	59	29.5	1153	1084	14.8%	
X1619_4	492.0	227	2.167	0.461	1320	66	66	33	1122	1007	23.7%	
X1619_5	176.0	89.4	1.969	0.508	1177	59	59	29.5	1132	1121	4.8%	
X1619_6	86.3	29.9	2.886	0.346	1037	70	70	35	1055	1050	-1.3%	
X1619_7	227.0	96.7	2.347	0.426	2480	63	63	31.5	2119	1770	28.6%	
X1619_8	408.0	75.7	5.390	0.186	1585	59	59	29.5	1460	1375	13.2%	
X1619_9	111.0	104.6	1.061	0.942	1853	58	58	29	1741	1636	11.7%	
X1619_10	165.0	0.075	2200.000	0.000	3630	35	35	17.5	850	165	95.5%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_11	69.3	64.6	1.073	0.932	1439	75	75	37.5	1439	1470	-2.2%	
X1619_12	139.0	109.5	1.269	0.788	1842	77	77	38.5	1492	1280	30.5%	
X1619_13	97.2	50.7	1.917	0.522	1339	66	66	33	1390	1405	-4.9%	
X1619_14	213.0	127.6	1.669	0.599	1416	70	70	35	1317	1284	9.3%	
X1619_15	525.0	176	2.983	0.335	1507	87	87	43.5	1309	1188	21.2%	
X1619_16	223.0	356	0.626	1.596	1209	66	66	33	936	845	30.1%	
X1619_17	324.0	327	0.991	1.009	1457	92	92	46	1282	1192	18.2%	
X1619_18	165.0	86.9	1.899	0.527	1437	60	60	30	1356	1264	12.0%	

X1619_19	262.0	150	1.747	0.573	1416	83	41.5	1345	1275	10.0%	
X1619_20	80.9	56.6	1.429	0.700	1894	81	40.5	1748	1601	15.5%	
X1619_21	83.0	31.5	2.635	0.380	950	110	55	1080	1140	-20.0%	Young grain used to constrain maximum depositional age
X1619_22	82.8	29.3	2.826	0.354	1053	58	29	1071	1073	-1.9%	
X1619_23	53.3	45.8	1.164	0.859	1872	59	29.5	1927	1990	-6.3%	
X1619_24	185.0	79	2.342	0.427	381	89	44.5	389	392	-2.9%	Young concordant grain, probably R33 standard
X1619_25	91.5	33.9	2.699	0.370	990	99	49.5	1038	1037	-4.7%	
X1619_26	86.0	29.6	2.905	0.344	1025	65	32.5	1044	1029	-0.4%	
X1619_27	153.0	58.1	2.633	0.380	1405	79	39.5	1336	1297	7.7%	
X1619_28	65.7	44.6	1.473	0.679	1386	70	35	1437	1465	-5.7%	
X1619_29	118.8	97.6	1.217	0.822	1840	65	32.5	1751	1644	10.7%	
X1619_30	116.5	50.8	2.293	0.436	1592	69	34.5	1440	1325	16.8%	
X1619_31	77.1	0.102	755.882	0.001	1470	6.6	3.3	151	81	94.5%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_32	118.4	0.0094	12595.745	0.000	1090	12	6	139	96	91.2%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_33	107.0	0.17	629.412	0.002	1500	14	7	209	96	93.6%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_34	139.0	145.8	0.953	1.049	1244	85	42.5	1167	1121	9.9%	
X1619_35	222.0	0.0665	3338.346	0.000	1370	11	5.5	182	93	93.2%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_36	104.7	0.026	4026.923	0.000	2930	7.1	3.55	399	97.7	96.7%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_37	214.0	50.5	4.238	0.236	1620	50	25	1514	1415	12.7%	
X1619_38	264.0	104.7	2.521	0.397	1581	67	33.5	1473	1403	11.3%	
X1619_39	167.0	68.2	2.449	0.408	1720	56	28	1735	1712	0.5%	
X1619_40	69.9	28.4	2.461	0.406	1332	68	34	1317	1266	5.0%	
X1619_41	116.9	50	2.338	0.428	1456	77	38.5	1383	1333	8.4%	
X1619_42	78.3	48.2	1.624	0.616	1364	76	38	1356	1351	1.0%	
X1619_43	185.0	86.9	2.129	0.470	1584	74	37	1525	1484	6.3%	
X1619_44	172.0	69.9	2.461	0.406	1452	95	47.5	1362	1276	12.1%	
X1619_45	202.7	4.76	42.584	0.023	1171	78	39	1006	953	18.6%	
X1619_46	144.0	118.3	1.217	0.822	1096	85	42.5	1164	1192	-8.8%	
X1619_47	107.5	51	2.108	0.474	1579	71	35.5	1630	1615	-2.3%	
X1619_48	89.5	26.1	3.429	0.292	1516	75	37.5	1216	1080	28.8%	
X1619_49	43.3	31.5	1.375	0.727	1470	120	60	1269	1137	22.7%	
X1619_50	121.0	0.045	2688.889	0.000	3010	13	6.5	432	107	96.4%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_51	204.0	151.2	1.349	0.741	1406	98	49	1286	1220	13.2%	
X1619_52	236.0	0.057	4140.351	0.000	1340	9.7	4.85	141	77.3	94.2%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_53	117.5	53.4	2.200	0.454	1731	93	46.5	1757	1710	1.2%	
X1619_54	35.6	30.1	1.183	0.846	1247	83	41.5	1260	1244	0.2%	
X1619_55	102.7	82.9	1.239	0.807	1439	72	36	1387	1368	4.9%	
X1619_56	37.4	34.3	1.090	0.917	1464	74	37	1472	1454	0.7%	
X1619_57	52.8	21.9	2.411	0.415	1489	52	26	1455	1405	5.6%	
X1619_58	56.9	0.002	28450.000	0.000	2090	12	6	294	112	94.6%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_59	185.0	146	1.267	0.789	1216	57	28.5	1007	923	24.1%	
X1619_60	45.5	0.1868	243.576	0.004	1220	80	40	1067	1024	16.1%	
X1619_61	72.7	-0.0062	-11725.806	0.000	1700	16	8	101	62	96.4%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_62	378.0	56.4	6.702	0.149	1140	100	50	1060	1016	10.9%	
X1619_63	35.3	21	1.681	0.595	1564	65	32.5	1347	1201	23.2%	
X1619_64	64.5	41	1.573	0.636	1462	63	31.5	1046	878	39.9%	
X1619_65	62.2	33	1.885	0.531	1638	55	27.5	1671	1665	-1.6%	
X1619_66	212.0	247	0.858	1.165	1197	79	39.5	907	814	32.0%	
X1619_67	18.6	28.2	0.661	1.514	1767	80	40	1508	1375	22.2%	
X1619_68	74.1	54.3	1.365	0.733	1867	71	35.5	1879	1856	0.6%	
X1619_69	230.0	38.4	5.990	0.167	1659	81	40.5	1297	1080	34.9%	
X1619_70	96.4	48.7	1.979	0.505	1635	78	39	1605	1563	4.4%	
X1619_71	186.0	69.2	2.688	0.372	1685	83	41.5	1647	1606	4.7%	
X1619_72	297.0	138	2.152	0.465	1192	71	35.5	1014	952	20.1%	
X1619_73	532.0	333	1.598	0.626	1894	69	34.5	1636	1419	25.1%	
X1619_74	145.0	53	2.736	0.366	1572	62	31	1609	1624	-3.3%	
X1619_75	41.1	36.4	1.129	0.886	1209	88	44	1158	1124	7.0%	
X1619_76	288.0	108.4	2.657	0.376	1775	78	39	1731	1711	3.6%	
X1619_77	137.0	66.9	2.048	0.488	1642	84	42	1568	1523	7.2%	
X1619_78	53.4	0.0177	3016.949	0.000	1500	24	12	241	103	93.1%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_79	430.0	250	1.720	0.581	1603	70	35	1457	1332	16.9%	
X1619_80	150.3	156	0.963	1.038	1481	66	33	1416	1392	6.0%	
X1619_81	402.0	380	1.058	0.945	1195	96	48	978	908	24.0%	
X1619_82	111.6	86.8	1.286	0.778	1370	72	36	1290	1239	9.6%	
X1619_83	34.1	40.2	0.848	1.179	1270	94	47	1300	1290	-1.6%	
X1619_84	226.0	89.3	2.531	0.395	1366	79	39.5	1305	1255	8.1%	
X1619_85	77.9	31.2	2.497	0.401	1019	84	42	1090	1082	-6.2%	

X1619_86	285.0	85	3.353	0.298	1438	68	34	1238	1142	20.6%	
X1619_87	65.4	43.2	1.514	0.661	518	23	11.5	422	399	23.0%	Young discordant grain, probably R33 standard
X1619_88	80.4	33.1	2.429	0.412	1007	83	41.5	1058	1068	-6.1%	
X1619_89	43.6	23	1.896	0.528	1100	70	35	1156	1162	-5.6%	
X1619_90	94.7	109.6	0.864	1.157	1622	58	29	1639	1646	-1.5%	
X1619_91	57.2	34.2	1.673	0.598	1458	60	30	1484	1487	-2.0%	
X1619_92	79.6	34.1	2.334	0.428	1321	63	31.5	1272	1200	9.2%	
X1619_93	103.4	38.7	2.672	0.374	1245	70	35	977	837	32.8%	
X1619_94	92.6	117.3	0.789	1.267	1861	63	31.5	1865	1845	0.9%	
X1619_95	46.8	31.7	1.476	0.677	1510	66	33	1541	1557	-3.1%	
X1619_96	39.7	13.9	2.856	0.350	1333	96	48	952	828	37.9%	
X1619_97	403.0	103.6	3.890	0.257	1149	81	40.5	1045	970	15.6%	
X1619_98	232.0	119.3	1.945	0.514	1783	81	40.5	1687	1531	14.1%	
X1619_99	462.0	496	0.931	1.074	1374	84	42	1191	1098	20.1%	
X1619_100	96.7	73.8	1.310	0.763	1570	69	34.5	1588	1626	-3.6%	
X1619_101	112.0	115.4	0.971	1.030	1380	110	55	1134	982	28.8%	
X1619_102	208.0	160.1	1.299	0.770	1656	64	32	1553	1470	11.2%	
X1619_103	109.0	113	0.965	1.037	1644	76	38	1617	1545	6.0%	
X1619_104	94.4	72.7	1.298	0.770	1620	71	35.5	1618	1576	2.7%	
X1619_105	252.0	160.2	1.573	0.636	1584	89	44.5	1470	1360	14.1%	
X1619_106	131.5	140.2	0.938	1.066	1190	100	50	1162	1139	4.3%	
X1619_107	165.2	268	0.616	1.622	2576	67	33.5	2527	2430	5.7%	
X1619_108	383.0	109.9	3.485	0.287	1188	81	40.5	1072	1007	15.2%	
X1619_109	218.0	104.1	2.094	0.478	2632	72	36	2372	2012	23.6%	
X1619_110	294.0	121	2.430	0.412	1626	64	32	1217	1008	38.0%	
X1619_111	219.0	136	1.610	0.621	1244	72	36	1132	1092	12.2%	
X1619_112	99.6	0.0111	8972.973	0.000	530	6.9	3.45	102.5	82.6	84.4%	High U/Th; interpreted as metamorphic overgrowth; Pb206/U238 age plotted
X1619_113	48.3	53.6	0.901	1.110	1274	95	47.5	1227	1174	7.8%	
X1619_114	94.0	55.3	1.700	0.588	1269	71	35.5	1242	1205	5.0%	
Sample					Pb207/Pb206			Pb207/U235	Pb206/U238		
JN1713	ppmU	ppmTh	U/Th	Th/U	Age	2 Sigma	1 sigma	Age	Age	% Discordance	
JN1713_1	205	299	0.686	1.459	1888	53	26.5	1857	1814	3.9%	
JN1713_2	126.5	126	1.004	0.996	1848	96	48	1760	1700	8.0%	
JN1713_3	135.9	82.1	1.655	0.604	1943	62	31	1832	1736	10.7%	
JN1713_4	177.5	91.8	1.934	0.517	2550	79	39.5	2586	2560	-0.4%	
JN1713_5	365	363	1.006	0.995	1782	63	31.5	1672	1573	11.7%	
JN1713_6	289	46.3	6.242	0.160	1670	120	60	767	461	72.4%	
JN1713_7	32.4	35	0.926	1.080	1910	100	50	1941	1930	-1.0%	
JN1713_8	240	183	1.311	0.763	1856	70	35	1767	1750	5.7%	
JN1713_9	110.6	69.6	1.589	0.629	1797	79	39.5	1836	1890	-5.2%	
JN1713_10	126	0.474	265.823	0.004	1850	110	55	1745	1690	8.6%	High U/Th
JN1713_11	152	167	0.910	1.099	1999	76	38	1940	1930	3.5%	
JN1713_12	76.1	127.9	0.595	1.681	1000	130	65	1042	1061	-6.1%	
JN1713_13	47.3	37.7	1.255	0.797	1875	78	39	1829	1740	7.2%	
JN1713_14	65.8	29.6	2.223	0.450	2156	93	46.5	1870	1650	23.5%	
JN1713_15	116	82	1.415	0.707	1919	99	49.5	1848	1860	3.1%	
JN1713_16	52.5	22.3	2.354	0.425	2767	65	32.5	2687	2570	7.1%	
JN1713_17	52.2	63.1	0.827	1.209	1821	89	44.5	1813	1750	3.9%	
JN1713_18	102	76.3	1.337	0.748	1979	82	41	1435	1114	43.7%	
JN1713_19	113	30.7	3.681	0.272	1820	97	48.5	1042	733	59.7%	
JN1713_20	116.8	188.4	0.620	1.613	1909	80	40	1873	1821	4.6%	
JN1713_21	67.1	77.7	0.864	1.158	1927	47	23.5	1887	1697	11.9%	
JN1713_22	48.1	48	1.002	0.998	1980	48	24	1944	1750	11.6%	
JN1713_23	42.3	22.2	1.905	0.525	2682	46	23	2658	2408	10.2%	
JN1713_24	25.66	14.69	1.747	0.572	1957	56	28	1875	1680	14.2%	
JN1713_25	104.1	74.7	1.394	0.718	1939	44	22	1919	1749	9.8%	
JN1713_26	101.6	102	0.996	1.004	1974	42	21	1943	1771	10.3%	
JN1713_27	186.4	200.3	0.931	1.075	1955	44	22	1914	1782	8.8%	
JN1713_28	30.3	45.5	0.666	1.502	1949	52	26	1935	1799	7.7%	
JN1713_29	104	34.4	3.023	0.331	1842	40	20	1775	1652	10.3%	
JN1713_30	133	72.7	1.829	0.547	2125	57	28.5	1845	1580	25.6%	
JN1713_31	91.8	65.8	1.395	0.717	2103	39	19.5	2001	1855	11.8%	
JN1713_32	268	179.3	1.495	0.669	1892	50	25	1742	1594	15.8%	
JN1713_33	223	146.6	1.521	0.657	2549	45	22.5	2233	1915	24.9%	
JN1713_34	94	65.6	1.433	0.698	1831	61	30.5	1655	1545	15.6%	
JN1713_35	63.4	78.5	0.808	1.238	1885	50	25	1760	1630	13.5%	
JN1713_36	76.5	21.9	3.493	0.286	1882	43	21.5	1716	1586	15.7%	
JN1713_37	160	49.6	3.226	0.310	1853	50	25	1552	1349	27.2%	
JN1713_38	64.2	64	1.003	0.997	1905	43	21.5	1789	1663	12.7%	
JN1713_39	31.2	86.6	0.360	2.776	1949	49	24.5	1776	1540	21.0%	High Th/U
JN1713_40	112.7	68.1	1.655	0.604	1863	41	20.5	1715	1536	17.6%	
JN1713_41	76.3	23.6	3.233	0.309	1895	29	14.5	1727	1552	18.1%	
JN1713_42	127.1	148.5	0.856	1.168	2689	28	14	2556	2323	13.6%	
JN1713_43	78.8	26.1	3.019	0.331	2558	39	19.5	2399	2200	14.0%	
Sample					Pb207/Pb206			Pb207/U235	Pb206/U238		
S21701	ppmU	ppmTh	U/Th	Th/U	Age	2 Sigma	1 sigma	Age	Age	% Discordance	

SZ1701_1	55.9	81.2	0.688	1.453	1282	98	49	1172	1145	10.7%	
SZ1701_2	402	174	2.310	0.433	1794	65	32.5	1346	1051	41.4%	
SZ1701_3	105.7	134.3	0.787	1.271	1876	83	41.5	1753	1637	12.7%	
SZ1701_4	389	98.2	3.961	0.252	1233	65	32.5	1126	1100	10.8%	
SZ1701_5	35.6	32.4	1.099	0.910	1220	91	45.5	1177	1159	5.0%	
SZ1701_6	293	280	1.046	0.956	1700	110	55	1413	1210	28.8%	
SZ1701_7	159	157.3	1.011	0.989	1533	83	41.5	1254	1121	26.9%	
SZ1701_8	144	99.8	1.443	0.693	1260	100	50	1191	1191	5.5%	
SZ1701_9	367	168	2.185	0.458	1652	69	34.5	1652	1638	0.8%	
SZ1701_10	660	52.1	12.668	0.079	710	150	75	188	144	79.7%	High U/Th suggests metamorphic overgrowth; possibly a mixed age
SZ1701_11	299	129.7	2.305	0.434	1868	63	31.5	1567	1363	27.0%	
SZ1701_12	93.5	46.1	2.028	0.493	1428	84	42	1406	1397	2.2%	
SZ1701_13	141.1	67.5	2.090	0.478	1064	85	42.5	967	940	11.7%	
SZ1701_14	610	161	3.789	0.264	1700	79	39.5	1053	793	53.4%	
SZ1701_15	536	122.3	4.383	0.228	1562	82	41	895	645	58.7%	
SZ1701_16	201	100.4	2.002	0.500	1776	58	29	1673	1587	10.6%	
SZ1701_17	413	97.7	4.227	0.237	1814	89	44.5	1205	907	50.0%	
SZ1701_18	208	159.8	1.302	0.768	1802	52	26	1769	1727	4.2%	
SZ1701_19	37.7	36.2	1.041	0.960	1310	130	65	1324	1347	-2.8%	
SZ1701_20	133	120.3	1.106	0.905	1160	120	60	1173	1215	-4.7%	
SZ1701_21	232	134.5	1.725	0.580	1814	93	46.5	1534	1340	26.1%	
SZ1701_22	701	136.9	5.121	0.195	1670	110	55	1056	800	52.1%	
SZ1701_23	534	121	4.413	0.227	3270	140	70	2140	1230	62.4%	
SZ1701_24	227	105.9	2.144	0.467	1409	91	45.5	1020	858	39.1%	
SZ1701_25	295	176	1.676	0.597	1530	100	50	1111	887	42.0%	
SZ1701_26	178	268	0.664	1.506	1152	93	46.5	1099	1105	4.1%	
SZ1701_27	227	222	1.023	0.978	1218	93	46.5	1177	1149	5.7%	
SZ1701_28	496	269	1.844	0.542	1853	90	45	717	399	78.5%	
SZ1701_29	252	167	1.509	0.663	1677	76	38	1611	1577	6.0%	
SZ1701_30	126.1	90.7	1.390	0.719	1390	110	55	1489	1550	-11.5%	
SZ1701_31	343	416	0.825	1.213	1848	76	38	1828	1807	2.2%	
SZ1701_32	761	135.1	5.633	0.178	1680	88	44	537	321	80.9%	
SZ1701_33	159	142.8	1.113	0.898	1755	75	37.5	1709	1683	4.1%	
SZ1701_34	65.9	87.5	0.753	1.328	1739	85	42.5	1726	1705	2.0%	
SZ1701_35	18.1	22.7	0.797	1.254	1180	120	60	1140	1154	2.2%	
SZ1701_36	269	51.3	5.244	0.191	1697	79	39.5	943	713	58.0%	
SZ1701_37	57.4	56	1.025	0.976	1877	60	30	1897	1864	0.7%	
SZ1701_38	207	8.1	25.556	0.039	1176	87	43.5	1123	1094	7.0%	
SZ1701_39	132.5	80.6	1.644	0.608	1130	100	50	1196	1226	-8.5%	
SZ1701_40	402	153.7	2.615	0.382	1336	70	35	857	697	47.8%	
SZ1701_41	256	162	1.580	0.633	2388	70	35	1880	1480	38.0%	
SZ1701_42	147	173	0.850	1.177	1451	82	41	1341	1296	10.7%	
SZ1701_43	305	57.4	5.314	0.188	1800	80	40	1629	1490	17.2%	
SZ1701_44	720	123.5	5.830	0.172	1641	62	31	1636	1620	1.3%	
SZ1701_45	445	98	4.541	0.220	1812	72	36	1185	880	51.4%	
SZ1701_46	172	115.8	1.485	0.673	1198	87	43.5	1161	1153	3.8%	
SZ1701_47	530	151	3.510	0.285	1259	71	35.5	918	775	38.4%	
SZ1701_48	545	190	2.868	0.349	1364	98	49	614	446	67.3%	
SZ1701_49	379	194	1.954	0.512	2603	83	41.5	2313	1980	23.9%	
SZ1701_50	280	18.9	14.815	0.068	1166	80	40	1198	1201	-3.0%	High U/Th, but age is concordant
SZ1701_51	199	64.7	3.076	0.325	1371	82	41	1326	1337	2.5%	
SZ1701_52	148.7	77.6	1.916	0.522	1740	84	42	1757	1758	-1.0%	
SZ1701_53	120.1	55.5	2.164	0.462	1496	87	43.5	1330	1254	16.2%	
SZ1701_54	75.4	60.4	1.248	0.801	2715	64	32	2614	2560	5.7%	
SZ1701_55	144.3	78.3	1.843	0.543	1780	100	50	1773	1771	0.5%	
SZ1701_56	879	123.6	7.112	0.141	1732	98	49	1076	753	56.5%	
SZ1701_57	47.2	53.5	0.882	1.133	1807	69	34.5	1713	1679	7.1%	
SZ1701_58	793	177	4.480	0.223	1291	90	45	628	476	63.1%	
SZ1701_59	326	281	1.160	0.862	1905	77	38.5	1720	1610	15.5%	
SZ1701_60	177	43.9	4.032	0.248	1814	90	45	1748	1694	6.6%	
SZ1701_61	695	64.7	10.742	0.093	1725	77	38.5	1039	727	57.9%	High U/Th suggests metamorphic overgrowth; possibly a mixed age
SZ1701_62	59.4	49.7	1.195	0.837	1285	72	36	1257	1235	3.9%	
SZ1701_63	227	55.7	4.075	0.245	1745	72	36	1706	1672	4.2%	
SZ1701_64	181	138.9	1.303	0.767	1748	52	26	1586	1472	15.8%	
SZ1701_65	661	163	4.055	0.247	1932	61	30.5	1010	645	66.6%	
SZ1701_66	84.7	41.1	2.061	0.485	1677	65	32.5	1667	1625	3.1%	
SZ1701_67	145	83	1.747	0.572	1190	77	38.5	1016	960	19.3%	
SZ1701_68	486	540	0.900	1.111	1682	68	34	1553	1462	13.1%	
SZ1701_69	68.4	118.1	0.579	1.727	1143	84	42	1066	1020	10.8%	
SZ1701_70	208	58.6	3.549	0.282	1797	71	35.5	1649	1515	15.7%	
SZ1701_71	143	58.7	2.436	0.410	1551	59	29.5	1407	1321	14.8%	
SZ1701_72	239	58.2	4.107	0.244	1888	59	29.5	1665	1535	18.7%	
SZ1701_73	111.5	82.1	1.358	0.736	1446	55	27.5	1146	995	31.2%	
SZ1701_74	286	111.8	2.558	0.391	1428	65	32.5	1414	1385	3.0%	
SZ1701_75	271	131.1	2.067	0.484	1715	56	28	1628	1540	10.2%	
SZ1701_76	182.8	70.1	2.608	0.383	1754	57	28.5	1557	1390	20.8%	

SZ1701_77	263	218	1.206	0.829	1502	61	30.5	1417	1363	9.3%	
SZ1701_78	226	90.5	2.497	0.400	1252	57	28.5	1196	1157	7.6%	
SZ1701_79	37.2	61.1	0.609	1.642	1087	85	42.5	1077	1067	1.8%	
SZ1701_80	100.2	36.9	2.715	0.368	1074	67	33.5	1042	1027	4.4%	
SZ1701_81	261	99.9	2.613	0.383	1744	45	22.5	1613	1526	12.5%	
SZ1701_82	154	65.1	2.366	0.423	1812	69	34.5	1747	1646	9.2%	
SZ1701_83	95.3	83.6	1.140	0.877	1437	60	30	1417	1386	3.5%	
SZ1701_84	267	95.3	2.802	0.357	1779	55	27.5	1621	1510	15.1%	
SZ1701_85	40.9	21.5	1.902	0.526	1370	62	31	1352	1314	4.1%	
SZ1701_86	62.5	27.9	2.240	0.446	1530	100	50	1303	1199	21.6%	
SZ1701_87	70.1	71	0.987	1.013	1915	61	30.5	1896	1851	3.3%	
SZ1701_88	228	116.8	1.952	0.512	1476	63	31.5	1418	1381	6.4%	
SZ1701_89	195	63.9	3.052	0.328	1789	50	25	1683	1605	10.3%	
SZ1701_90	572	110	5.200	0.192	2158	94	47	1330	920	57.4%	
SZ1701_91	306	76.7	3.990	0.251	1955	96	48	1790	1820	6.9%	
SZ1701_92	159.7	65.2	2.449	0.408	1785	45	22.5	1615	1513	15.2%	
SZ1701_93	232	66.2	3.505	0.285	1315	98	49	727	540	58.9%	
SZ1701_94	377	85.6	4.404	0.227	1700	70	35	976	700	58.8%	
SZ1701_95	224	47	4.766	0.210	1298	90	45	611	425	67.3%	
SZ1701_96	79.1	67.4	1.174	0.852	1781	47	23.5	1798	1814	-1.9%	
SZ1701_97	190	246	0.772	1.295	3033	66	33	2883	2640	13.0%	
SZ1701_98	164	131	1.252	0.799	1360	78	39	1138	1041	23.5%	
SZ1701_99	205	50.8	4.035	0.248	1302	99	49.5	493	336	74.2%	
SZ1701_100	795	55.9	14.222	0.070	1137	94	47	377	266	76.6%	High U/Th suggests metamorphic overgrowth; possibly a mixed age
Sample	ppm U	ppm Th	U/Th	Th/U	Pb207/Pb206 Age	2 sigma	1 sigma	Pb207/U235 Age	Pb206/U238 Age	% discordance	Comment
X1601_1	1280	137	9.343	0.107	120	100	50	61	60	50.4%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_10	410	59	6.949	0.144	1820	680	340	410	190	89.6%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_2	61	17.9	3.408	0.293	1190	620	310	540	820	31.1%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_3	13	0.76	17.105	0.058	1460	200	100	344	214	85.3%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_4	1011	197.4	5.122	0.195	3620	820	410	1610	540	85.1%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_5	360	83	4.337	0.231	1619	95	47.5	1199	988	39.0%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_6	510	61	8.361	0.120	1520	210	105	481	305	79.9%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_7	770	157	4.904	0.204	550	230	115	104	85	84.5%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_8	0.42	0.058	7.241	0.138	-800	1700	850	85	70	108.8%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age
X1601_9	350	36	9.722	0.103	5700	2300	1150	1570	200	96.5%	Discordant grain with high U/Th suggesting metamorphic overprint; probably a mixed age