

**Supplementary Publication No 18692: U-Pb zircon data from LA-PIMMS analysis**

**Sample LTF99-1, Granite clast**

Grain	U (ppm)	<sup>207</sup> Pb/ <sup>206</sup> Pb	Error 1σ abs	<sup>207</sup> Pb/ <sup>235</sup> Pb	Error 1σ abs	<sup>206</sup> Pb/ <sup>238</sup> U	Error 1σ abs	Error correlation	<sup>207</sup> Pb/ <sup>206</sup> Pb age	Error 2 σ abs	<sup>206</sup> Pb/ <sup>238</sup> U age	Error 2 σ abs	% discor -dant
LTF99-1/1 core	517	0.1101	0.50	5.089	0.0833	0.3352	0.0052	0.952	1801.4	18.2	1863.4	67.0	-3.4
LTF99-1/2a core	401	0.1168	0.50	4.551	0.1145	0.2825	0.0070	0.980	1908.3	18.0	1603.9	89.2	15.9
LTF99-1/2b core	640	0.1117	0.50	4.525	0.0868	0.2939	0.0054	0.965	1826.8	18.1	1661.1	69.8	9.1
LTF99-1/3 core	707	0.1094	0.50	4.979	0.0731	0.3301	0.0046	0.940	1789.6	18.2	1838.8	58.5	-2.8
LTF99-1/4 core	1076	0.1128	0.50	3.529	0.0678	0.2268	0.0042	0.966	1845.8	18.1	1317.7	54.0	28.6
LTF99-1/5 core	425	0.1085	0.50	4.474	0.1235	0.2990	0.0081	0.983	1774.5	18.3	1686.5	103.8	5.0
LTF99-1/6 core	781	0.1093	0.50	4.787	0.0934	0.3177	0.0060	0.967	1787.5	18.2	1778.3	76.8	0.5
LTF99-1/7a rin	1165	0.1095	0.50	4.584	0.0677	0.3036	0.0042	0.941	1791.3	18.2	1709.0	54.2	4.6
LTF99-1/7b core	411	0.1111	0.50	5.021	0.0712	0.3279	0.0044	0.936	1816.9	18.2	1828.2	55.8	-0.6
LTF99-1/8a core	1663	0.1095	0.50	4.627	0.0864	0.3065	0.0055	0.963	1790.6	18.2	1723.6	70.7	3.7
LTF99-1/8b rim	2595	0.0964	0.50	2.891	0.0510	0.2175	0.0037	0.959	1556.1	18.8	1268.5	47.2	18.5
LTF99-1/9 core	653	0.1102	0.50	4.889	0.0829	0.3217	0.0052	0.956	1802.8	18.2	1798.1	66.9	0.3
LTF99-1/10 core	544	0.1102	0.50	4.808	0.0664	0.3163	0.0041	0.932	1803.5	18.2	1771.5	52.3	1.8
LTF99-1/11a core	245	0.1098	0.51	4.882	0.0657	0.3226	0.0040	0.924	1795.4	18.7	1802.4	51.5	-0.4
LTF99-1/11b rim	749	0.1053	0.72	3.817	0.0897	0.2629	0.0059	0.951	1719.5	26.6	1504.7	75.3	12.5
LTF99-1/12 core	278	0.1088	0.50	4.650	0.0588	0.3099	0.0036	0.918	1780.0	18.2	1740.0	46.2	2.2
LTF99-1/13a core	334	0.1109	0.50	4.940	0.0670	0.3229	0.0041	0.930	1814.8	18.2	1804.1	52.3	0.6
LTF99-1/13b rim	558	0.1107	0.50	5.054	0.0658	0.3311	0.0040	0.923	1811.2	18.2	1843.7	51.1	-1.8
LTF99-1/14	546	0.1111	0.50	4.950	0.0671	0.3232	0.0041	0.930	1817.5	18.2	1805.1	52.3	0.7
LTF99-1/15	1954	0.1069	0.50	4.173	0.0518	0.2831	0.0032	0.915	1747.2	18.3	1607.0	41.4	8.0
LTF99-1/16	746	0.1100	0.50	4.869	0.0646	0.3212	0.0039	0.926	1798.7	18.2	1795.5	50.7	0.2
LTF99-1/1b mixed rim & core	1444	0.1001	0.99	3.138	0.0801	0.2275	0.0054	0.921	1625.4	36.9	1321.2	68.6	18.7
LTF99-1/2c core	1100	0.1107	0.50	4.937	0.0686	0.3235	0.0042	0.933	1810.8	18.2	1806.6	53.8	0.2
LTF99-1/3b rim	528	0.1078	0.50	4.429	0.0607	0.2979	0.0038	0.931	1763.1	18.3	1680.9	48.8	4.7
LTF99-1/4b core	1093	0.1090	0.50	4.473	0.0569	0.2976	0.0035	0.920	1782.7	18.2	1679.5	44.8	5.8
LTF99-1/5b mixed rim & core	562	0.1084	0.50	4.743	0.0810	0.3175	0.0052	0.956	1772.0	18.3	1777.3	66.5	-0.3

**Sample LTF99-2, Heavy mineral band from the Glen Buck Pebbly Psammite Formation**

Grain	U (ppm)	<sup>207</sup> Pb/ <sup>206</sup> Pb	Error 1σ abs	<sup>207</sup> Pb/ <sup>235</sup> Pb	Error 1σ abs	<sup>206</sup> Pb/ <sup>238</sup> U	Error 1σ abs	Error correlation	<sup>207</sup> Pb/ <sup>206</sup> Pb age	Error 2 σ abs	<sup>206</sup> Pb/ <sup>238</sup> U age	Error 2 σ abs	% discordance
LTF99-2/1	92	0.1103	0.0006	5.053	0.0517	0.33230	0.0030	0.872	1804.1	18.2	1849.5	38.1	-2.5
LTF99-2/2a	65	0.1086	0.0006	4.449	0.0462	0.29713	0.0027	0.871	1776.0	18.6	1677.0	34.6	5.6
LTF99-2/2b	360	0.1082	0.0005	4.716	0.1075	0.31610	0.0070	0.976	1769.3	18.3	1770.7	90.0	-0.1
LTF99-2/3a	145	0.1044	0.0005	4.294	0.0458	0.29841	0.0028	0.883	1703.2	18.4	1683.4	36.2	1.2
LTF99-2/3b	305	0.1017	0.0005	4.023	0.0467	0.28686	0.0030	0.903	1655.6	18.5	1625.8	38.7	1.8
LTF99-2/4	224	0.1087	0.0005	4.779	0.0467	0.31897	0.0027	0.859	1776.9	18.2	1784.7	34.5	-0.4
LTF99-2/5a	38	0.0921	0.0010	3.188	0.0477	0.25116	0.0025	0.659	1468.4	42.7	1444.4	31.8	1.6
LTF99-2/5b	37	0.0928	0.0011	3.240	0.0481	0.25323	0.0024	0.644	1483.6	43.1	1455.1	31.2	1.9
LTF99-2/6	356	0.1082	0.0005	4.549	0.0475	0.30484	0.0028	0.878	1769.6	18.3	1715.3	35.9	3.1
LTF99-2/7	140	0.1064	0.0005	4.543	0.0531	0.30967	0.0033	0.904	1738.6	18.3	1739.1	42.0	0.0
LTF99-2/8a	314	0.1028	0.0005	4.124	0.0443	0.29104	0.0028	0.885	1674.9	18.5	1646.7	35.6	1.7
LTF99-2/8b	54	0.1028	0.0007	4.137	0.0462	0.29201	0.0027	0.815	1674.4	23.9	1651.6	34.2	1.4
LTF99-2/9	292	0.1076	0.0005	4.408	0.0631	0.29704	0.0040	0.937	1759.6	18.3	1676.6	51.2	4.7
LTF99-2/10a	444	0.1091	0.0005	4.458	0.0594	0.29630	0.0037	0.927	1784.8	18.2	1672.9	47.0	6.3
LTF99-2/10b	204	0.1080	0.0005	4.579	0.0566	0.30734	0.0035	0.915	1766.8	18.3	1727.6	44.7	2.2
LTF99-2/11	287	0.1163	0.0006	5.448	0.0873	0.33964	0.0052	0.950	1900.6	18.0	1884.9	66.4	0.8
LTF99-2/12	472	0.1065	0.0005	4.517	0.0505	0.30751	0.0031	0.895	1741.0	18.3	1728.5	39.5	0.7
LTF99-2/14	266	0.1074	0.0005	4.475	0.0538	0.30223	0.0033	0.909	1755.7	18.3	1702.4	42.5	3.0
LTF99-2/16	269	0.1091	0.0005	4.648	0.0544	0.30912	0.0033	0.904	1783.7	18.2	1736.4	42.0	2.7
LTF99-2/23	199	0.1069	0.0005	4.571	0.0491	0.31001	0.0029	0.885	1748.0	18.3	1740.8	37.8	0.4
LTF99-2/22	250	0.2144	0.0011	17.676	0.2446	0.59791	0.0077	0.932	2939.1	16.2	3021.4	98.7	-2.8
LTF99-2/20	534	0.1073	0.0005	4.630	0.0743	0.31298	0.0048	0.950	1753.8	18.3	1755.3	61.2	-0.1
LTF99-2/27a	254	0.1071	0.0005	4.510	0.0550	0.30539	0.0034	0.912	1750.8	18.3	1718.0	43.6	1.9
LTF99-2/27b	109	0.1071	0.0008	4.327	0.0545	0.29300	0.0030	0.812	1750.6	26.9	1656.5	38.5	5.4
LTF99-2/25	79	0.1010	0.0005	3.819	0.0480	0.27414	0.0032	0.918	1643.2	18.5	1561.8	40.6	5.0
LTF99-2/24	178	0.1102	0.0006	4.897	0.0536	0.32216	0.0031	0.890	1803.4	18.2	1800.3	40.4	0.2
LTF99-2/31	115	0.1036	0.0005	4.131	0.0445	0.28905	0.0028	0.886	1690.5	18.4	1636.8	35.5	3.2
LTF99-2/32	89	0.1021	0.0010	4.057	0.0642	0.28808	0.0036	0.800	1663.1	35.2	1631.9	46.8	1.9
LTF99-2/33	112	0.1100	0.0006	4.703	0.0634	0.31003	0.0039	0.929	1799.9	18.2	1740.9	49.8	3.3

Grain	U (ppm)	$^{207}\text{Pb}/^{206}\text{Pb}$	Error $1\sigma$ abs	$^{207}\text{Pb}/^{235}\text{Pb}$	Error $1\sigma$ abs	$^{206}\text{Pb}/^{238}\text{U}$	Error $1\sigma$ abs	Error correlation	$^{207}\text{Pb}/^{206}\text{Pb}$ age	Error $2\sigma$ abs	$^{206}\text{Pb}/^{238}\text{U}$ age	Error $2\sigma$ abs	% discordance
LTF99-2/34b	47	0.1103	0.0007	4.892	0.0757	0.32178	0.0045	0.904	1803.8	24.0	1798.4	57.8	0.3
LTF99-2/35	54	0.0838	0.0008	2.567	0.0361	0.22214	0.0022	0.718	1288.4	38.1	1293.2	28.9	-0.4
LTF99-2/36	28	0.1053	0.0011	4.497	0.0608	0.30989	0.0026	0.615	1718.7	39.2	1740.2	33.1	-1.2
LTF99-2/37	12	0.1034	0.0025	4.192	0.1093	0.29398	0.0032	0.416	1686.3	87.5	1661.4	41.0	1.5
LTF99-2/38	26	0.1093	0.0012	4.862	0.0675	0.32276	0.0028	0.614	1787.2	40.0	1803.2	35.4	-0.9
LTF99-2/39	88	0.1080	0.0005	4.642	0.0475	0.31174	0.0028	0.872	1765.8	18.3	1749.3	35.8	0.9
LTF99-2/40a	80	0.1060	0.0005	4.489	0.0475	0.30723	0.0029	0.881	1731.3	18.3	1727.1	36.9	0.2
LTF99-2/40b	48	0.1031	0.0008	4.219	0.0531	0.29670	0.0029	0.767	1681.4	29.9	1674.9	36.8	0.4
LTF99-2/41	399	0.0865	0.0004	2.719	0.0572	0.22795	0.0047	0.971	1349.8	19.3	1323.8	59.8	1.9
LTF99-2/43	270	0.1089	0.0005	4.634	0.1008	0.30851	0.0065	0.973	1781.7	18.2	1733.4	83.7	2.7
LTF99-2/45	202	0.1110	0.0006	4.839	0.0890	0.31631	0.0056	0.962	1815.2	18.2	1771.7	71.7	2.4
LTF99-2/46	306	0.1102	0.0006	5.199	0.1098	0.34232	0.0070	0.972	1802.0	18.2	1897.8	90.0	-5.3
LTF99-2/47	339	0.1023	0.0005	4.037	0.0798	0.28632	0.0055	0.967	1665.5	18.5	1623.1	70.2	2.5
LTF99-2/48	912	0.0881	0.0022	2.981	0.0769	0.24542	0.0019	0.301	1384.5	94.5	1414.8	24.5	-2.2
LTF99-2/49	115	0.1070	0.0005	4.402	0.0780	0.29830	0.0051	0.959	1749.2	18.3	1682.9	65.0	3.8
LTF99-2/50	153	0.0991	0.0053	3.804	0.2067	0.27832	0.0032	0.209	1607.6	198.1	1582.9	40.7	1.5
LTF99-2/51	173	0.1120	0.0006	4.857	0.1024	0.31443	0.0064	0.970	1832.8	18.6	1762.5	82.3	3.8
LTF99-2/52	398	0.1046	0.0005	4.248	0.0849	0.29457	0.0057	0.968	1707.3	18.4	1664.3	73.0	2.5
LTF99-2/53	21	0.1042	0.0015	4.491	0.0710	0.31253	0.0023	0.459	1700.7	51.7	1753.1	29.2	-3.1
LTF99-2/54	57	0.1051	0.0010	4.080	0.0699	0.28146	0.0040	0.822	1716.8	35.9	1598.7	50.9	6.9
LTF99-2/55b	481	0.1109	0.0006	4.936	0.0831	0.32288	0.0052	0.955	1813.9	18.2	1803.8	66.6	0.6
LTF99-2/56a	435	0.1104	0.0006	4.899	0.0852	0.32180	0.0054	0.958	1806.2	18.2	1798.5	68.7	0.4
LTF99-2/56b	275	0.1096	0.0005	4.787	0.0828	0.31686	0.0052	0.957	1792.3	18.2	1774.4	67.3	1.0
LTF99-2/57	411	0.1077	0.0005	4.787	0.0832	0.32240	0.0054	0.958	1760.7	18.3	1801.4	68.8	-2.3
LTF99-2/58a	76	0.1113	0.0006	4.907	0.0491	0.31970	0.0028	0.866	1821.2	18.1	1788.3	35.6	1.8
LTF99-2/58b	155	0.1103	0.0006	5.034	0.0525	0.33085	0.0030	0.877	1805.2	18.2	1842.5	38.9	-2.1
LTF99-2/59a	55	0.1867	0.0009	13.642	0.2647	0.53006	0.0099	0.966	2712.9	16.5	2741.7	126.9	-1.1
LTF99-2/59b	109	0.1856	0.0009	13.969	0.2200	0.54598	0.0082	0.948	2703.2	16.5	2808.4	104.3	-3.9
LTF99-2/60	301	0.1105	0.0006	5.056	0.0879	0.33190	0.0055	0.958	1807.4	18.2	1847.6	70.8	-2.2
LTF99-2/61	406	0.1097	0.0005	4.655	0.0966	0.30759	0.0062	0.971	1795.3	18.2	1728.9	79.4	3.7

Grain	U (ppm)	$^{207}\text{Pb}/^{206}\text{Pb}$	Error 1 $\sigma$ abs	$^{207}\text{Pb}/^{235}\text{Pb}$	Error 1 $\sigma$ abs	$^{206}\text{Pb}/^{238}\text{U}$	Error 1 $\sigma$ abs	Error correlation	$^{207}\text{Pb}/^{206}\text{Pb}$ age	Error 2 $\sigma$ abs	$^{206}\text{Pb}/^{238}\text{U}$ age	Error 2 $\sigma$ abs	% discordance
LTF99-2/63	453	0.1126	0.0006	5.213	0.1661	0.33568	0.0106	0.988	1842.2	18.1	1865.9	134.7	-1.3
LTF99-2/64	151	0.1063	0.0005	4.859	0.0864	0.33153	0.0056	0.957	1736.9	18.8	1845.8	72.4	-6.3
LTF99-2/65	186	0.1026	0.0005	4.392	0.0782	0.31057	0.0053	0.960	1671.1	18.5	1743.5	68.0	-4.3
LTF99-2/66	242	0.1097	0.0005	5.161	0.0906	0.34126	0.0057	0.959	1794.2	18.2	1892.7	73.6	-5.5
LTF99-2/68	375	0.1093	0.0005	4.906	0.0712	0.32552	0.0044	0.939	1788.0	18.2	1816.7	56.9	-1.6
LTF99-2/69	71	0.1016	0.0011	4.271	0.0768	0.30494	0.0045	0.816	1653.4	38.5	1715.8	57.4	-3.8
LTF99-2/70	102	0.1092	0.0005	4.760	0.0514	0.31610	0.0030	0.887	1786.3	18.2	1770.7	38.9	0.9
LTF99-2/71	202	0.1083	0.0005	4.870	0.0734	0.32618	0.0046	0.943	1770.6	18.3	1819.8	59.6	-2.8
LTF99-2/72a	100	0.0775	0.0011	2.205	0.0443	0.20626	0.0030	0.714	1135.2	56.0	1208.9	38.0	-6.5
LTF99-2/72b	75	0.0782	0.0007	2.093	0.0255	0.19415	0.0015	0.652	1151.9	36.6	1143.8	19.8	0.7
LTF99-2/73	191	0.1098	0.0005	4.980	0.0842	0.32912	0.0053	0.955	1795.3	18.2	1834.1	68.2	-2.2
LTF99-2/74	157	0.1100	0.0005	5.154	0.0817	0.33988	0.0051	0.949	1799.2	18.2	1886.1	65.6	-4.8
LTF99-2/75	71	0.1198	0.0006	5.845	0.0576	0.35394	0.0030	0.862	1952.7	17.9	1953.4	38.7	0.0
LTF99-2/77	176	0.1071	0.0005	4.681	0.0720	0.31713	0.0046	0.946	1749.9	18.3	1775.7	59.2	-1.5
LTF99-2/78	94	0.1111	0.0006	4.967	0.0522	0.32422	0.0030	0.879	1817.8	18.2	1810.3	38.5	0.4
LTF99-2/79a	301	0.1077	0.0005	4.589	0.0736	0.30909	0.0047	0.950	1760.7	18.3	1736.2	60.4	1.4
LTF99-2/79b	105	0.1063	0.0005	4.587	0.0471	0.31283	0.0028	0.873	1737.8	18.3	1754.6	36.0	-1.0
LTF99-2/48	912	0.0881	0.0022	2.981	0.0769	0.24542	0.0019	0.301	1384.5	94.5	1414.8	24.5	-2.2
LTF99-2/49	115	0.1070	0.0005	4.402	0.0780	0.29830	0.0051	0.959	1749.2	18.3	1682.9	65.0	3.8
LTF99-2/50	153	0.0991	0.0053	3.804	0.2067	0.27832	0.0032	0.209	1607.6	198.1	1582.9	40.7	1.5
LTF99-2/51	173	0.1120	0.0006	4.857	0.1024	0.31443	0.0064	0.970	1832.8	18.6	1762.5	82.3	3.8
LTF99-2/52	398	0.1046	0.0005	4.248	0.0849	0.29457	0.0057	0.968	1707.3	18.4	1664.3	73.0	2.5
LTF99-2/53	21	0.1042	0.0015	4.491	0.0710	0.31253	0.0023	0.459	1700.7	51.7	1753.1	29.2	-3.1
LTF99-2/54	57	0.1051	0.0010	4.080	0.0699	0.28146	0.0040	0.822	1716.8	35.9	1598.7	50.9	6.9
LTF99-2/55b	481	0.1109	0.0006	4.936	0.0831	0.32288	0.0052	0.955	1813.9	18.2	1803.8	66.6	0.6
LTF99-2/56a	435	0.1104	0.0006	4.899	0.0852	0.32180	0.0054	0.958	1806.2	18.2	1798.5	68.7	0.4
LTF99-2/56b	275	0.1096	0.0005	4.787	0.0828	0.31686	0.0052	0.957	1792.3	18.2	1774.4	67.3	1.0
LTF99-2/57	411	0.1077	0.0005	4.787	0.0832	0.32240	0.0054	0.958	1760.7	18.3	1801.4	68.8	-2.3
LTF99-2/58a	76	0.1113	0.0006	4.907	0.0491	0.31970	0.0028	0.866	1821.2	18.1	1788.3	35.6	1.8
LTF99-2/58b	155	0.1103	0.0006	5.034	0.0525	0.33085	0.0030	0.877	1805.2	18.2	1842.5	38.9	-2.1
LTF99-2/59a	55	0.1867	0.0009	13.642	0.2647	0.53006	0.0099	0.966	2712.9	16.5	2741.7	126.9	-1.1

Grain	U (ppm)	$^{207}\text{Pb}/^{206}\text{Pb}$	Error 1 $\sigma$ abs	$^{207}\text{Pb}/^{235}\text{Pb}$	Error 1 $\sigma$ abs	$^{206}\text{Pb}/^{238}\text{U}$	Error 1 $\sigma$ abs	Error correlation	$^{207}\text{Pb}/^{206}\text{Pb}$ age	Error 2 $\sigma$ abs	$^{206}\text{Pb}/^{238}\text{U}$ age	Error 2 $\sigma$ abs	% discordance
LTF99-2/60	301	0.1105	0.0006	5.056	0.0879	0.33190	0.0055	0.958	1807.4	18.2	1847.6	70.8	-2.2
LTF99-2/61	406	0.1097	0.0005	4.655	0.0966	0.30759	0.0062	0.971	1795.3	18.2	1728.9	79.4	3.7
LTF99-2/62	120	0.0850	0.0008	2.729	0.0574	0.23289	0.0044	0.888	1315.2	37.5	1349.7	55.9	-2.6
LTF99-2/63	453	0.1126	0.0006	5.213	0.1661	0.33568	0.0106	0.988	1842.2	18.1	1865.9	134.7	-1.3
LTF99-2/64	151	0.1063	0.0005	4.859	0.0864	0.33153	0.0056	0.957	1736.9	18.8	1845.8	72.4	-6.3
LTF99-2/65	186	0.1026	0.0005	4.392	0.0782	0.31057	0.0053	0.960	1671.1	18.5	1743.5	68.0	-4.3
LTF99-2/66	242	0.1097	0.0005	5.161	0.0906	0.34126	0.0057	0.959	1794.2	18.2	1892.7	73.6	-5.5
LTF99-2/68	375	0.1093	0.0005	4.906	0.0712	0.32552	0.0044	0.939	1788.0	18.2	1816.7	56.9	-1.6
LTF99-2/69	71	0.1016	0.0011	4.271	0.0768	0.30494	0.0045	0.816	1653.4	38.5	1715.8	57.4	-3.8
LTF99-2/70	102	0.1092	0.0005	4.760	0.0514	0.31610	0.0030	0.887	1786.3	18.2	1770.7	38.9	0.9
LTF99-2/71	202	0.1083	0.0005	4.870	0.0734	0.32618	0.0046	0.943	1770.6	18.3	1819.8	59.6	-2.8
LTF99-2/72a	100	0.0775	0.0011	2.205	0.0443	0.20626	0.0030	0.714	1135.2	56.0	1208.9	38.0	-6.5
LTF99-2/72b	75	0.0782	0.0007	2.093	0.0255	0.19415	0.0015	0.652	1151.9	36.6	1143.8	19.8	0.7
LTF99-2/73	191	0.1098	0.0005	4.980	0.0842	0.32912	0.0053	0.955	1795.3	18.2	1834.1	68.2	-2.2
LTF99-2/74	157	0.1100	0.0005	5.154	0.0817	0.33988	0.0051	0.949	1799.2	18.2	1886.1	65.6	-4.8
LTF99-2/75	71	0.1198	0.0006	5.845	0.0576	0.35394	0.0030	0.862	1952.7	17.9	1953.4	38.7	0.0
LTF99-2/77	176	0.1071	0.0005	4.681	0.0720	0.31713	0.0046	0.946	1749.9	18.3	1775.7	59.2	-1.5
LTF99-2/78	94	0.1111	0.0006	4.967	0.0522	0.32422	0.0030	0.879	1817.8	18.2	1810.3	38.5	0.4
LTF99-2/79a	301	0.1077	0.0005	4.589	0.0736	0.30909	0.0047	0.950	1760.7	18.3	1736.2	60.4	1.4
LTF99-2/79b	105	0.1063	0.0005	4.587	0.0471	0.31283	0.0028	0.873	1737.8	18.3	1754.6	36.0	-1.0

**Sample LTF99-13, Syenite clast**

Grain	U (ppm)	$^{207}\text{Pb}/^{206}\text{Pb}$	Error 1 $\sigma$ abs	$^{207}\text{Pb}/^{235}\text{Pb}$	Error 1 $\sigma$ abs	$^{206}\text{Pb}/^{238}\text{U}$	Error 1 $\sigma$ abs	Error correlation	$^{207}\text{Pb}/^{206}\text{Pb}$ age	Error 2 $\sigma$ abs	$^{206}\text{Pb}/^{238}\text{U}$ age	Error 2 $\sigma$ abs	% discor dance
LTF99-13/1 core	154	0.0941	0.0005	3.292	0.0370	0.2537	0.0026	0.896	1510.3	18.9	1457.4	32.9	3.5
LTF99-13/2 core	280	0.0946	0.0005	3.435	0.0400	0.2634	0.0028	0.903	1519.6	18.9	1507.3	35.6	0.8
LTF99-13/3 core	96	0.0940	0.0005	3.412	0.0398	0.2632	0.0028	0.903	1508.1	18.9	1506.4	35.6	0.1
LTF99-13/4 core	622	0.0962	0.0005	3.441	0.0397	0.2595	0.0027	0.901	1551.1	18.8	1487.5	34.7	4.1
LTF99-13/5 core	202	0.0933	0.0005	3.232	0.0366	0.2512	0.0026	0.897	1494.3	18.9	1444.5	32.9	3.3
LTF99-13/6 core	376	0.0944	0.0005	3.394	0.0399	0.2607	0.0028	0.905	1516.5	18.9	1493.6	35.7	1.5
LTF99-13/7 rim	113	0.0830	0.0004	2.431	0.0285	0.2124	0.0023	0.905	1268.7	19.5	1241.8	29.0	2.1
LTF99-13/8 core	582	0.0943	0.0005	3.374	0.0396	0.2595	0.0028	0.905	1513.7	18.9	1487.5	35.4	1.7
LTF99-13/9 core	508	0.0929	0.0005	3.360	0.0391	0.2624	0.0028	0.903	1485.4	18.9	1502.1	35.5	-1.1
LTF99-13/10 core	439	0.0927	0.0005	3.368	0.0393	0.2634	0.0028	0.904	1482.4	19.0	1507.2	35.7	-1.7
LTF99-13/11 core	259	0.0926	0.0005	3.403	0.0410	0.2666	0.0029	0.910	1479.5	19.0	1523.5	37.6	-3.0
LTF99-13/12a rim	205	0.0937	0.0005	3.428	0.0397	0.2654	0.0028	0.902	1501.7	18.9	1517.4	35.7	-1.0
LTF99-13/13 core	129	0.0934	0.0005	3.354	0.0401	0.2604	0.0028	0.908	1496.5	18.9	1491.6	36.3	0.3
LTF99-13/14 core	238	0.0935	0.0005	3.378	0.0395	0.2622	0.0028	0.904	1497.1	18.9	1501.0	35.6	-0.3
LTF99-13/15 core	41	0.0942	0.0007	3.427	0.0455	0.2639	0.0029	0.827	1511.7	28.2	1509.7	37.3	0.1
LTF99-13/16 core	349	0.0936	0.0005	3.387	0.0404	0.2625	0.0028	0.908	1499.3	18.9	1502.7	36.6	-0.2
LTF99-13/17a core	146	0.0932	0.0005	3.329	0.0438	0.2590	0.0032	0.925	1492.2	18.9	1484.9	40.5	0.5
LTF99-13/17b rim	62	0.0937	0.0005	3.422	0.0419	0.2650	0.0030	0.910	1501.3	19.2	1515.4	37.9	-0.9
LTF99-13/6b core	571	0.0944	0.0003	3.359	0.0410	0.2581	0.0030	0.961	1516.5	12.7	1479.9	38.9	2.4
LTF99-13/7b core	138	0.0945	0.0011	3.573	0.0638	0.2741	0.0038	0.775	1518.6	42.5	1561.8	48.7	-2.8
LTF99-13/8b rim	177	0.0949	0.0009	3.386	0.0510	0.2589	0.0031	0.791	1525.5	34.7	1484.0	39.6	2.7
LTF99-13/10b rim	145	0.0945	0.0011	3.353	0.0551	0.2573	0.0031	0.726	1518.3	42.7	1476.2	39.4	2.8
LTF99-13/10 c core	1035	0.0943	0.0005	3.394	0.0417	0.2609	0.0029	0.913	1515.1	18.9	1494.3	37.6	1.4
LTF99-13/11b rim	107	0.0921	0.0014	3.267	0.0610	0.2574	0.0029	0.611	1468.8	56.1	1476.4	37.7	-0.5
LTF99-13/14b rim	163	0.0936	0.0010	3.304	0.0540	0.2561	0.0032	0.768	1499.9	39.5	1469.6	41.3	2.0
LTF99-13/16b rim	89	0.0915	0.0017	3.168	0.0700	0.2512	0.0032	0.572	1456.7	68.9	1444.4	40.8	0.8
LTF99-13/17c core	384	0.0942	0.0005	3.353	0.0422	0.2581	0.0030	0.918	1512.3	18.9	1480.2	38.3	2.1