

# Supplementary

## The effect of low-temperature annealing on discordance of U-Pb zircon ages

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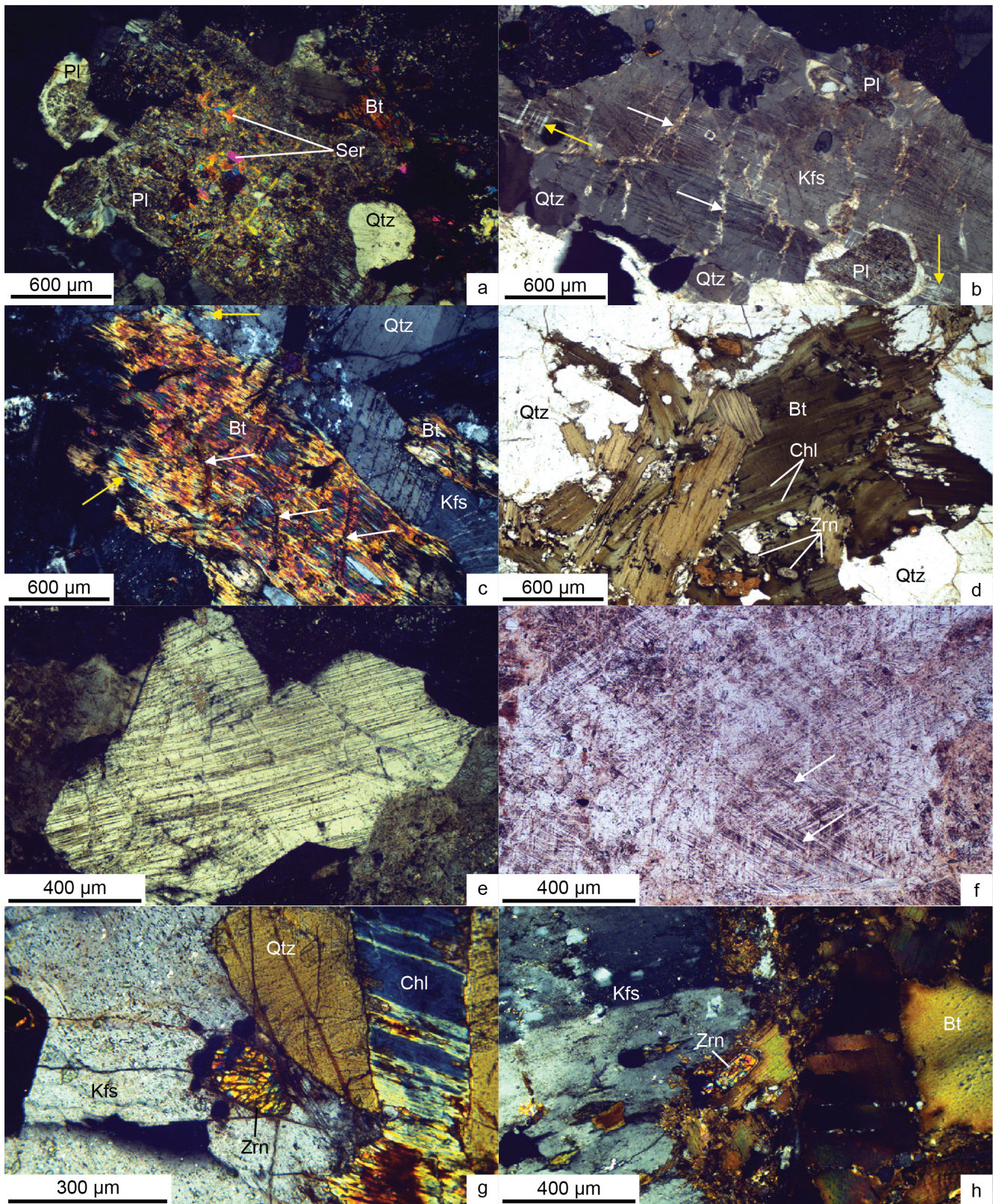
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### Item S1. Additional information on results

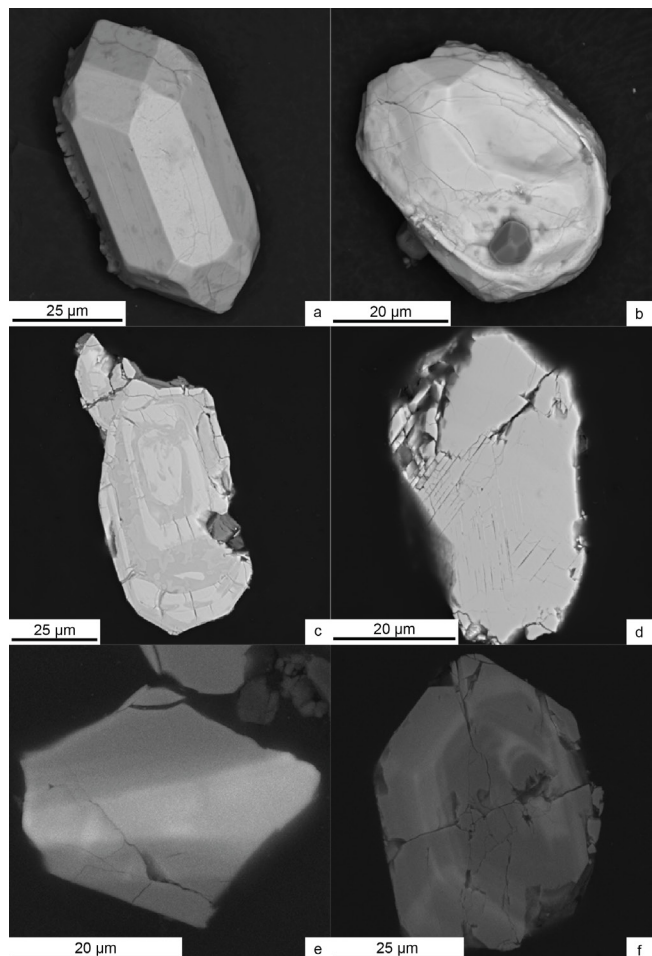
The main minerals are quartz, K-feldspar, plagioclase, biotite, chlorite, amphibole, and to lesser degree, white mica, as well as zircon, titanite, apatite, epidote and opaque minerals as accessory phases. Rocks inside the central plateau have been affected by hydrothermal alteration, which become less away from the centre. Altered K-feldspar and plagioclase are turbid, greyish-brownish in plane-polarized light. The plagioclase core is altered to sericite, while the outer rim is colourless and pristine (Fig. S1a). K-feldspar show perthitic exsolution lamellae of plagioclase (Fig. S1b). Most of the biotite inside the central plateau is altered to chlorite showing interference colours from yellow of lower order to anomalous blue in cross-polarized light (Fig. S1c). Less-altered plagioclase and K-feldspar from outside the central plateau are colourless in plane-polarized light with more pronounced grey interference colour in cross-polarized light. Biotite grains are less chloritized, with a strong brownish colour in plane-polarized light (Fig. S1d). Many samples from inside the central plateau are strongly fractured, and show shock features, e.g., kink bands in biotite/chlorite, PDFs in quartz, and ladder textures in K-feldspar (Fig. S1c, e, f). These features occur only in the central localities,

where shock pressures were significant.

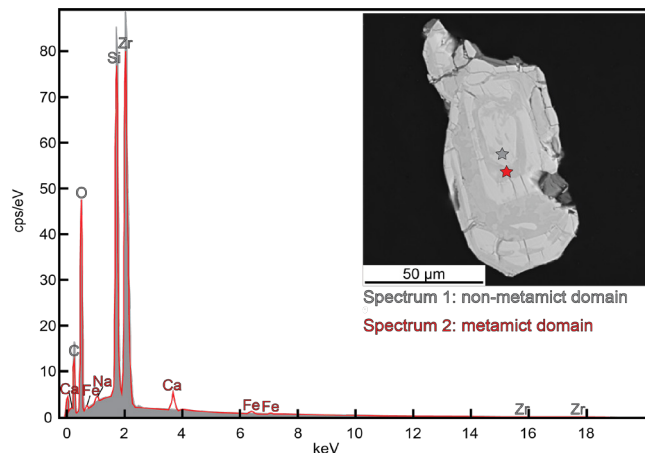


**Figure S1.** Cross-polarized (a-c, e, g, h) and linear-polarized (b, f) images of different mineral phases. (a) A strongly altered plagioclase with heterogeneous, greyish to brownish interference colours. The interior of the grain is converted to sericite (sericitisation), a mineral phase with colourful interference colour of the third order. Two smaller plagioclase grains on the left side of the figure show fresh rims and strongly altered cores. The light grey mineral phase on the lower right side of the figure is quartz. (b) Large K-feldspar grain with perthitic exsolution lamellae (white arrows) and plagioclase inclusions suggesting a partly poikilitic texture of the larger host grain. Microcline twinning (yellow arrows) can be observed along the left rim and the lower right corner of the K-feldspar grain. (c) Shocked biotite with crossing kink bands (white arrows). This grain is partly altered to chlorite and thus, the colourful, second to third order interference colour of biotite is partly replaced by the anomalous bluish interference colour of chlorite, especially along the grain rim (yellow arrows). (d) Fresh biotite grains where some parts are greenish, indicative for alteration to chlorite. A few grains show a lath-shaped habits. In the lower middle part of the figure are zircons enclosed by biotite. The zircons are surrounded by a dark pleochroitic rim. (e) Shocked quartz with planar deformation features. (f) An altered K-feldspar grain showing ladder textures (see white arrows) in its lower right part, which are typically formed under the influence of shock pressure from an impact. (g)

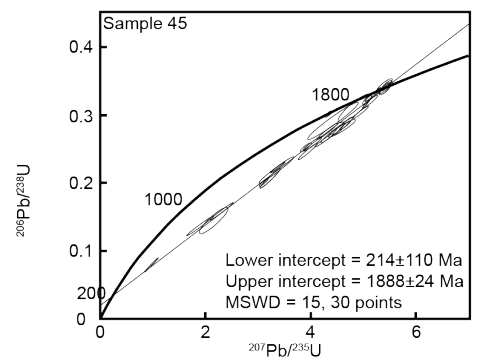
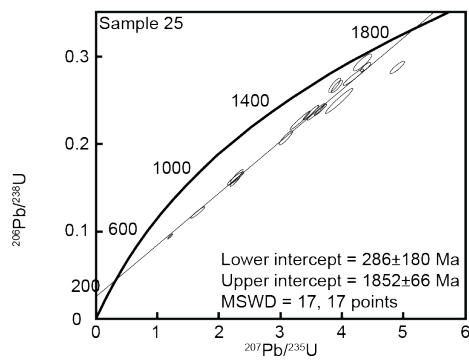
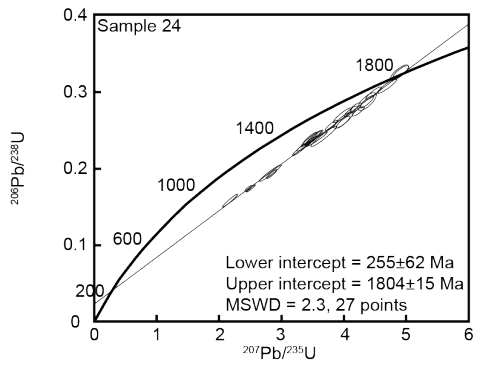
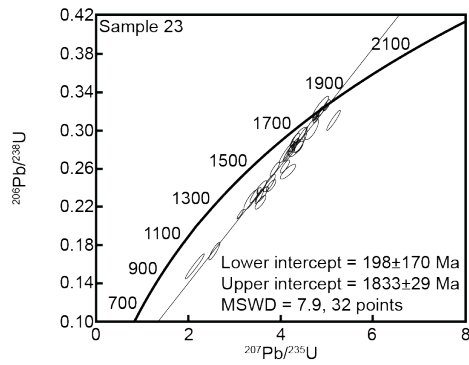
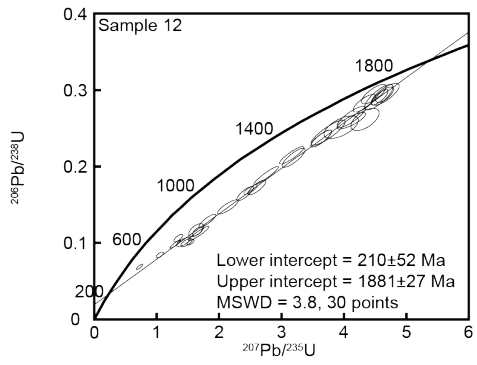
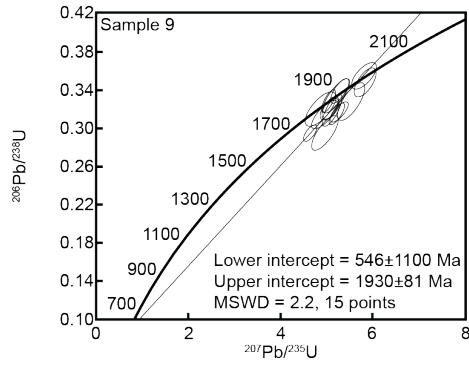
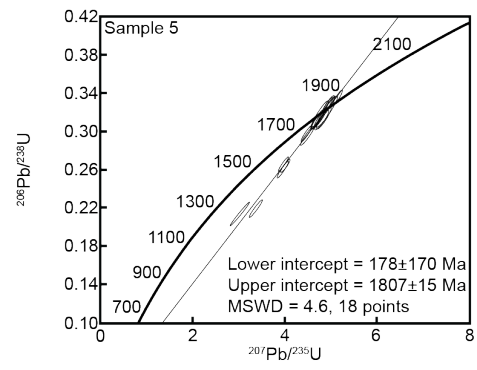
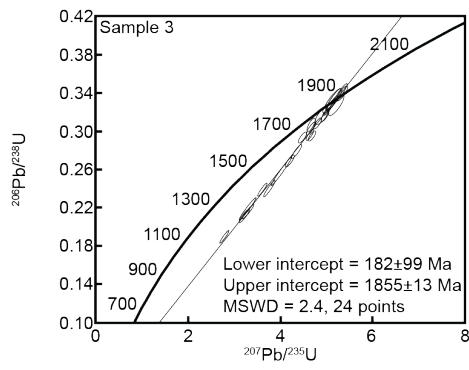
Zircon as an inclusion in K-feldspar. To the right is quartz with brownish to greyish interference colours and anomalous blue to bluish-yellow chlorite. Several subparallel fractures are generated within the zircon grain, suggesting a potential influence by shock pressure. (h) Metamict zircon with a strongly fractured, second to third order colourful rim and a core showing greyish-brownish interference colours. The grain is enclosed by biotite and to the left there is K-feldspar with grey interference colours.

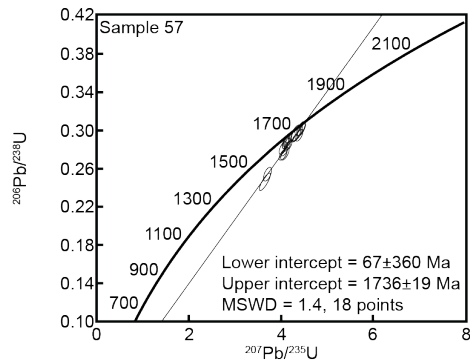
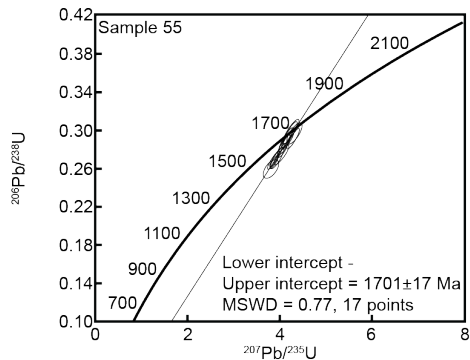
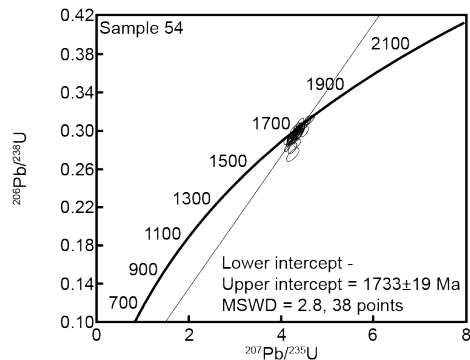
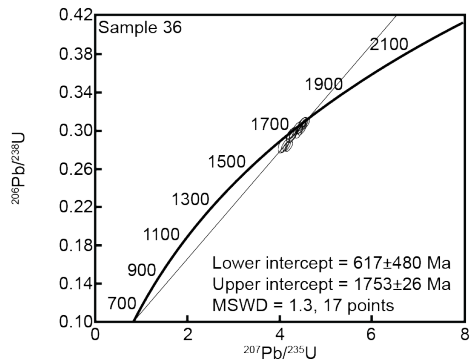
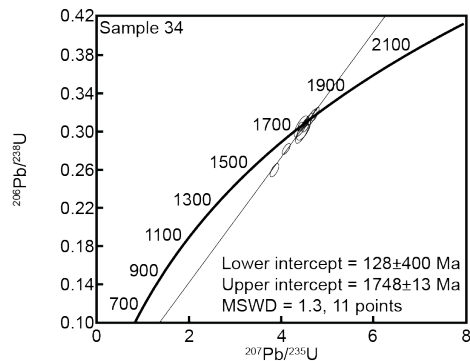
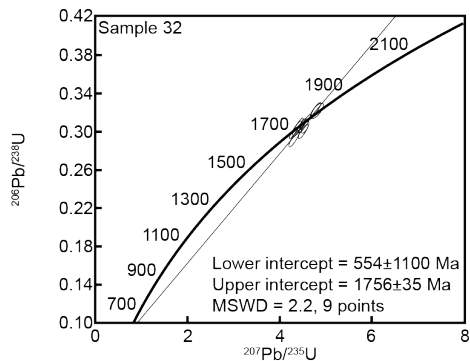
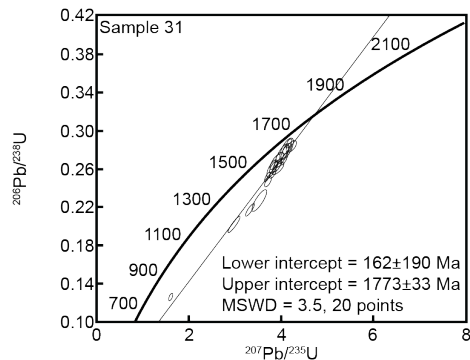
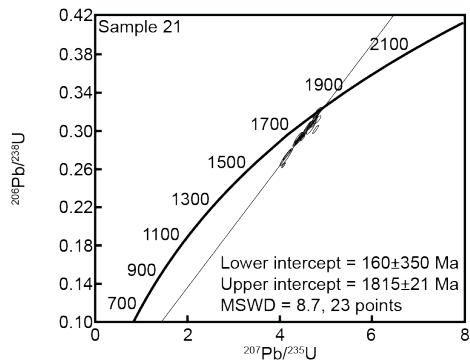


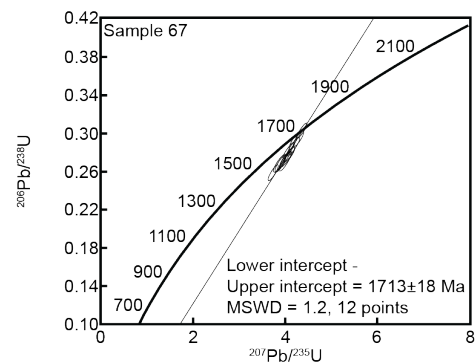
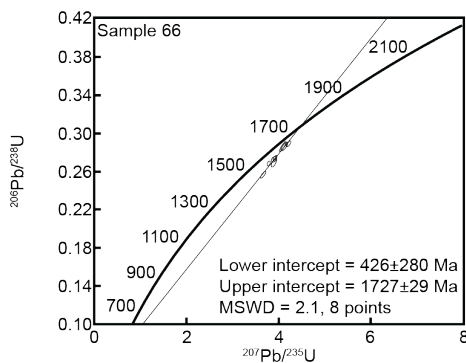
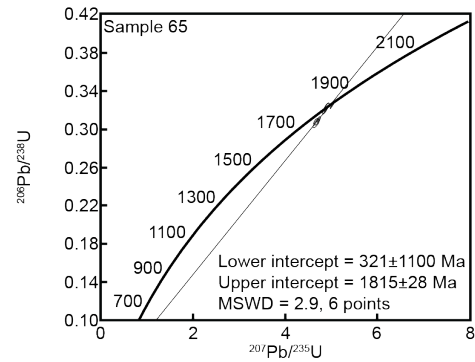
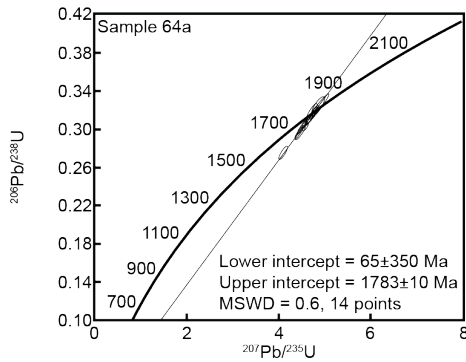
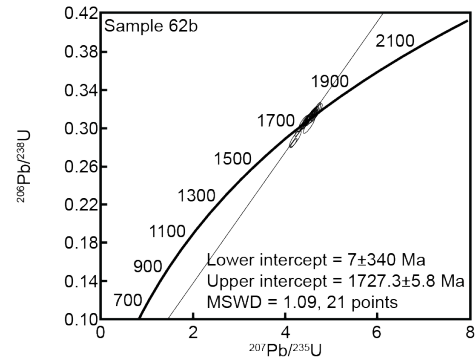
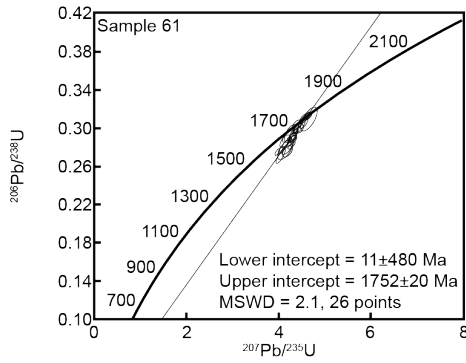
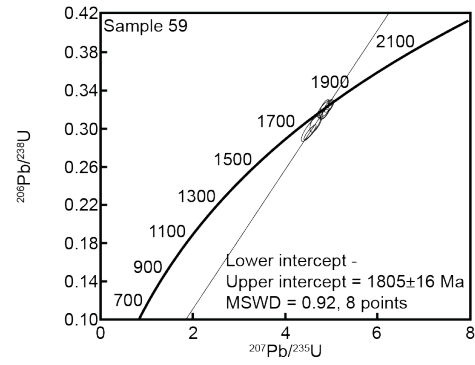
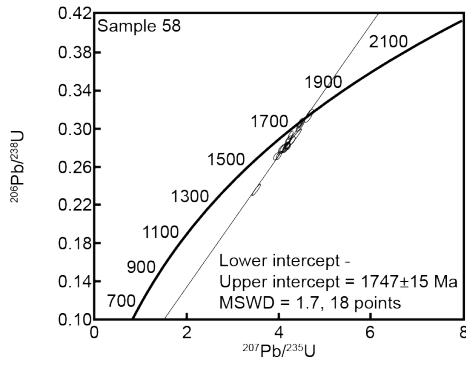
**Figure S2.** Back Scatter Electron (BSE)- (a-d) and Cathodeluminescence (CL) -derived (e, f) images of different, representative zircon textures observed in FE-SEM analyses. (a) Prismatic, euhedral-shaped zircon which are predominant in the samples. (b) Round-shaped zircon which can be rarely observed. (c) Metamict zircon showing oscillating zoning between non-metamict, fractured domains in light grey and metamict domains in dark grey. (d) Shocked zircon with two sets of parallel planar shock features which cross each other. (e) Zircon with an irregular CL pattern. (f) Zircon with oscillating zoning.

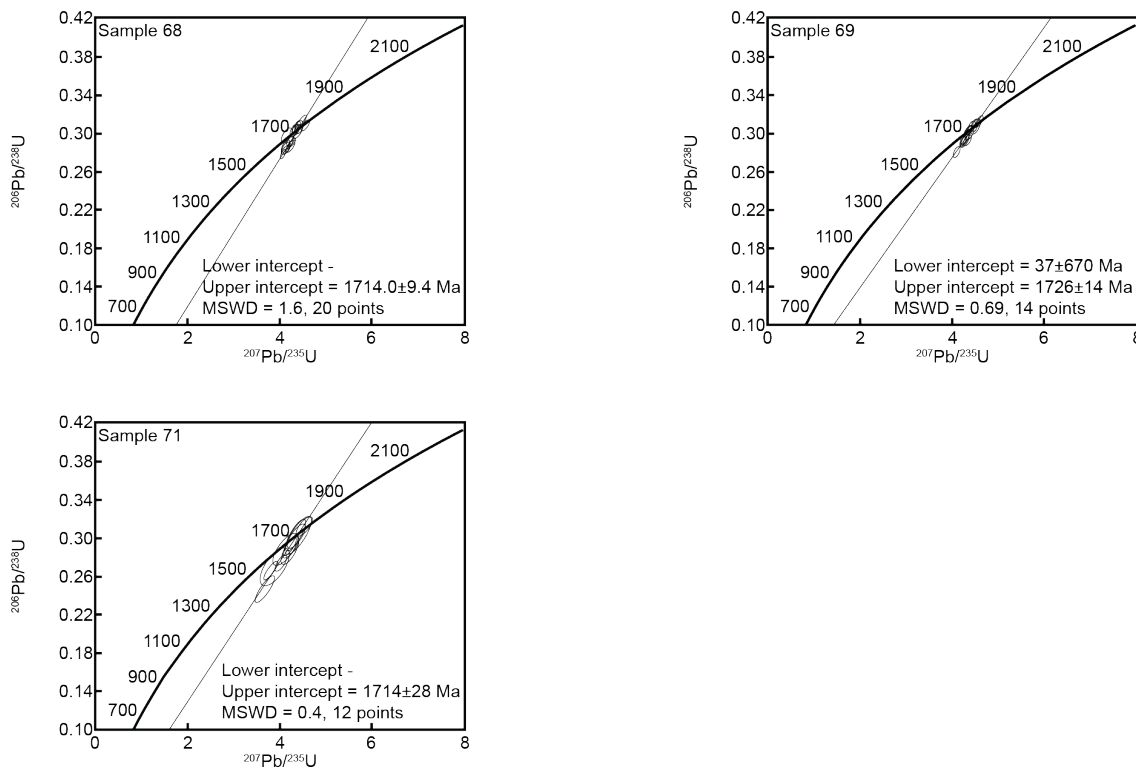


**Figure S3.** Qualitative element analyses of metamict zircon grain of Fig. S2c. Grey spectrum shows the elemental composition of the non-metamict, fractured, light grey domain. The red spectrum represents the metamict, dark grey domain with distinct peaks for Ca, Fe and Na. Previous studies (e.g., Geisler et al. 2001, 2002, 2003) have shown that solvent cations, e.g.,  $\text{Ca}^{2+}$ ,  $\text{Fe}^{2+}$  and  $\text{Na}^+$ , are often incorporated in metamict zircon grains in exchange of  $\text{Pb}^{2+}$ ,  $\text{U}^{4+}$ ,  $\text{REE}^{3+}$ ,  $\text{Zr}^{4+}$ ,  $\text{Si}^{4+}$ , and  $\text{Hf}^{4+}$  to preserve the electron neutrality. The stars in the SE image mark the sites where both elemental spectra were recorded.

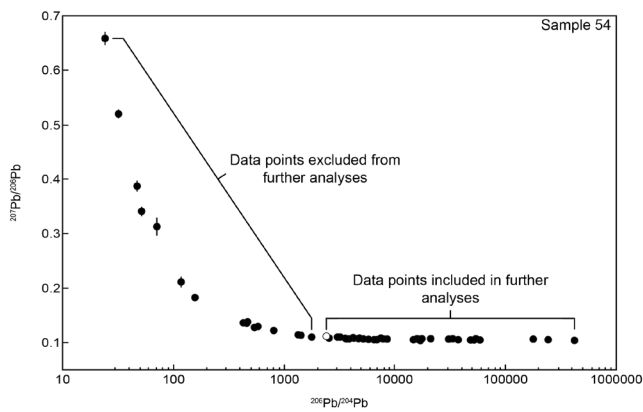




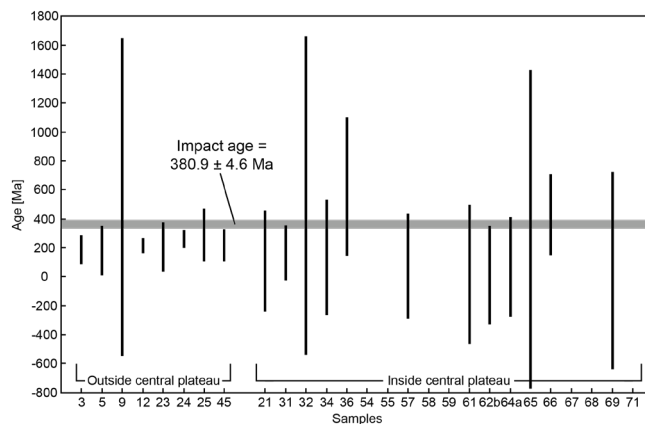




**Figure S4.** LA-ICP-MS U-Pb on zircon. The first 8 concordia plots (samples 3, 5, 9, 12, 23, 24, 25 and 45) are samples from outside from the central uplift, whereas the other plots showing the U-Pb data from samples taken from inside of the central uplift. The U-Pb analyses yield concordant to discordant data points plotting along the discordia line which forms two intercepts with the concordia curve. As clearly shown the U-Pb data of the samples from outside of the central uplift (samples 3, 5, 9, 12, 23, 24, 25 and 45) are generally more discordant than those from inside of the central uplift. The error ellipses are in  $1\sigma$  uncertainties.



**Figure S5.** Plot  $^{206}\text{Pb}/^{204}\text{Pb}$  vs  $^{207}\text{Pb}/^{206}\text{Pb}$  on the example of sample 54. The white data point mark the threshold of  $^{206}\text{Pb}/^{204}\text{Pb} = 2446 \pm 108$  set at that point where  $^{207}\text{Pb}/^{206}\text{Pb}$  ratio show no changes. The threshold placed for the  $^{206}\text{Pb}/^{204}\text{Pb}$  ratio varies between each sample, ranging mostly between  $10^3$  and  $10^4$ .



**Figure S6.** Lower intercept dates of zircon samples from outside (left side) and inside (right side) of the central plateau. There is no significant difference in the dates between outside and inside the central plateau. The known impact age =  $380.9 \pm 4.6$  Ma (Jourdan et al., 2012; grey box) fall within the range of our lower intercepts.

Table S1. U contents, Th/U ratios, isotopic ratios and apparent isotopic dates of the samples

Sample 12

Sample	Isotopic ratios										Apparent isotopic dates [Ma]									
	Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correlation 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>206</sup> Pb/ <sup>206</sup> Pb	2 S.E.	Discordance [%]			
1	4160.0	0.737981	165000	0.111400	0.007200	1110.0	120.0	1.420000	0.150000	0.089600	0.003900	0.855750	552.0	23.0	862.0	53.0	1725.0	97.0	68.00	
2	3390.0	0.403540	152300	0.106300	0.002600	913.0	45.0	1.670000	0.110000	0.112300	0.006300	0.936080	684.0	36.0	980.0	42.0	1726.0	45.0	60.37	
3	890.0	0.456180	132000	0.112200	0.002300	1700.0	2800.0	5.990000	0.210000	0.386000	0.013000	0.800950	2097.0	61.0	1963.0	31.0	1829.0	39.0	-14.65	
4	4550.0	0.683516	155300	0.101800	0.003500	1620.0	180.0	1.426000	0.073000	0.101300	0.003800	0.700950	621.0	22.0	893.0	29.0	1638.0	61.0	62.09	
5	757.0	0.879789	86500	0.110300	0.002000	-1800.0	6300.0	4.330000	0.120000	0.283000	0.007500	0.771210	1610.0	39.0	1693.0	23.0	1796.0	33.0	10.36	
6	7090.0	0.637518	133600	0.075000	0.001800	2300.0	200.0	0.727000	0.035000	0.068800	0.002200	0.837460	429.0	13.0	550.0	20.0	1052.0	47.0	59.22	
7	2330.0	0.618026	117000	0.103600	0.002800	3160.0	540.0	2.140000	0.110000	0.147300	0.006200	0.836880	884.0	35.0	1148.0	34.0	1680.0	51.0	47.38	
8	4450.0	0.586517	141300	0.108900	0.003900	594.0	39.0	1.352000	0.099000	0.085500	0.003900	0.826150	528.0	23.0	845.0	40.0	1762.0	66.0	70.03	
9	4520.0	0.548673	161900	0.090500	0.001800	2690.0	220.0	1.347000	0.046000	0.106600	0.003100	0.742790	652.0	18.0	863.0	19.0	1429.0	37.0	54.37	
10	4480.0	0.388393	172000	0.108900	0.003800	1270.0	250.0	1.644000	0.088000	0.108400	0.004100	0.722580	663.0	24.0	975.0	34.0	1751.0	64.0	62.14	
11	1364.0	0.577713	122300	0.110600	0.001800	3200.0	1000.0	3.740000	0.180000	0.244000	0.011000	0.858300	1401.0	55.0	1564.0	37.0	1802.0	30.0	22.25	
12	4800.0	0.212708	188700	0.100600	0.002500	1990.0	150.0	1.813000	0.089000	0.129100	0.005700	0.862150	781.0	32.0	1046.0	32.0	1630.0	42.0	52.09	
13	1760.0	0.378977	130200	0.105400	0.001800	2200.0	2400.0	3.160000	0.130000	0.214700	0.007400	0.898220	1251.0	39.0	1436.0	30.0	1712.0	32.0	26.93	
14	2060.0	0.436893	126500	0.104700	0.001600	5000.0	1900.0	2.750000	0.130000	0.188300	0.008100	0.942690	1109.0	44.0	1330.0	35.0	1709.0	29.0	35.11	
15	1003.0	0.531406	97300	0.111600	0.002000	-600.0	2700.0	4.120000	0.150000	0.265200	0.009300	0.842010	1518.0	49.0	1654.0	27.0	1814.0	33.0	16.32	
16	14.9	0.577181	31200	0.603000	0.013000	27.4	0.9	88.100000	2.800000	1.055000	0.031000	0.757650	4626.0	96.0	4549.0	34.0	4507.0	33.0	-2.64	
17	163.0	0.661963	33900	0.175400	0.007700	218.0	23.0	9.930000	0.690000	0.403000	0.018000	0.738480	2174.0	85.0	2394.0	62.0	2588.0	79.0	16.00	
18	4604.0	0.228063	271600	0.105900	0.001800	2550.0	210.0	2.504000	0.074000	0.169600	0.004200	0.821900	1009.0	23.0	1270.0	21.0	1724.0	31.0	41.47	
19	3070.0	0.485342	174500	0.116800	0.003400	1030.0	110.0	2.380000	0.110000	0.146400	0.005500	0.632580	879.0	31.0	1230.0	34.0	1887.0	48.0	53.42	
20	2221.0	0.320126	232400	0.112000	0.002200	3700.0	5200.0	4.120000	0.150000	0.260000	0.007200	0.815810	1500.0	40.0	1647.0	28.0	1821.0	35.0	17.63	
21	3250.0	0.403077	125600	0.103200	0.002400	1940.0	260.0	1.655000	0.055000	0.115100	0.003800	0.636020	702.0	22.0	988.0	21.0	1680.0	47.0	58.21	
22	1484.0	0.311995	157000	0.113200	0.002800	6900.0	6200.0	4.560000	0.150000	0.291000	0.011000	0.795850	1645.0	54.0	1736.0	27.0	1840.0	45.0	10.60	
23	5900.0	0.310169	372000	0.108800	0.002700	3230.0	270.0	2.606000	0.098000	0.172600	0.006300	0.821790	1025.0	34.0	1295.0	28.0	1767.0	46.0	41.99	
24	971.0	0.541710	110600	0.113300	0.002500	4300.0	7000.0	4.660000	0.150000	0.294700	0.009400	0.772110	1661.0	47.0	1757.0	28.0	1842.0	40.0	9.83	
25	3230.0	1.213622	84800	0.152900	0.006000	251.0	18.0	1.144000	0.088000	0.053000	0.002500	0.919810	332.0	15.0	750.0	37.0	2339.0	64.0	85.81	
26	3990.0	0.583960	106300	0.089800	0.002400	1390.0	150.0	1.052000	0.039000	0.084400	0.002600	0.652630	522.0	15.0	728.0	19.0	1410.0	45.0	62.98	
27	3640.0	0.321429	74200	0.100900	0.004200	715.0	87.0	0.860000	0.046000	0.060500	0.001500	0.660580	378.4	9.0	624.0	25.0	1601.0	74.0	76.36	
28	2940.0	1.095238	92200	0.105600	0.003200	1490.0	270.0	1.478000	0.061000	0.100600	0.003300	0.703080	617.0	19.0	916.0	25.0	1708.0	55.0	63.88	
29	4550.0	0.600000	213000	0.125800	0.005900	1520.0	360.0	2.260000	0.160000	0.131500	0.007400	0.623590	799.0	43.0	1183.0	46.0	2012.0	80.0	60.29	
30	2174.0	0.238730	169300	0.110600	0.001900	6400.0	2300.0	3.640000	0.110000	0.236800	0.007300	0.831700	1368.0	38.0	1551.0	24.0	1807.0	32.0	24.29	
31	1815.0	0.196143	173700	0.122100	0.004000	5000.0	2300.0	4.340000	0.150000	0.261500	0.009500	0.589870	1494.0	48.0	1698.0	27.0	1963.0	58.0	23.89	



Sample 12 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CFS]	Isotopic ratios			Apparent isotopic dates [Ma]						Discord-ance [%]						
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>208</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	Error correla-tion 6/38 vs 7/35	2 S.E.	2 S.E.		2 S.E.	2 S.E.				
32	1680.0	0.755952	80700	0.116100	0.001900	896.0	87.0	2.242000	0.085000	0.140000	0.005700	0.890040	843.0	32.0	1193.0	27.0	1897.0	31.0	55.56
33	2674.0	0.340314	185800	0.109100	0.002300	4200.0	2500.0	3.190000	0.120000	0.211600	0.008200	0.831280	1235.0	43.0	1445.0	30.0	1775.0	37.0	30.42
34	31.3	2.402556	7240	0.207700	0.005800	71.0	40.0	10.510000	0.410000	0.364000	0.012000	0.649340	2002.0	60.0	2460.0	36.0	2871.0	44.0	30.27
35	1800.0	0.169444	50700	0.112300	0.003900	740.0	290.0	1.321000	0.086000	0.086800	0.006800	0.913150	534.0	40.0	841.0	37.0	1823.0	59.0	70.71
36	2305.0	0.338395	125700	0.105600	0.002100	2820.0	300.0	2.418000	0.087000	0.164500	0.006100	0.824380	980.0	33.0	1243.0	25.0	1724.0	39.0	43.16
37	2260.0	0.452212	169800	0.130300	0.003100	494.0	34.0	3.490000	0.130000	0.194100	0.007100	0.809290	1150.0	41.0	1519.0	28.0	2100.0	43.0	45.24
38	2087.0	1.341639	77400	0.110300	0.002000	1189.0	93.0	1.544000	0.037000	0.100900	0.002300	0.708310	619.0	14.0	946.0	15.0	1801.0	34.0	65.63
39	1086.0	0.306630	90300	0.113500	0.004100	2900.0	1000.0	3.960000	0.180000	0.251700	0.009800	0.610110	1445.0	50.0	1617.0	36.0	1836.0	65.0	21.30
40	906.0	0.368653	96500	0.110200	0.002200	500.0	4500.0	4.480000	0.130000	0.294400	0.008400	0.765800	1659.0	42.0	1719.0	23.0	1790.0	36.0	7.32
41	4070.0	0.641278	120400	0.095200	0.001900	2080.0	180.0	1.303000	0.057000	0.098700	0.003500	0.906060	606.0	20.0	839.0	25.0	1520.0	38.0	60.13
42	767.0	0.422425	83000	0.114300	0.001600	3400.0	1200.0	4.573000	0.088000	0.290400	0.006700	0.796960	1642.0	33.0	1742.0	16.0	1864.0	25.0	11.91
43	2040.0	0.519608	75900	0.100600	0.002300	1400.0	180.0	1.630000	0.079000	0.117200	0.005500	0.604380	713.0	32.0	975.0	31.0	1626.0	43.0	56.15
44	995.0	0.485427	112600	0.114500	0.001900	2900.0	1100.0	4.655000	0.094000	0.293800	0.006500	0.720190	1659.0	33.0	1756.0	17.0	1865.0	30.0	11.05
45	11.7	0.470085	1570	0.200000	0.047000	63.0	72.0	7.800000	2.500000	0.289000	0.084000	0.841820	1620.0	420.0	2140.0	300.0	2740.0	440.0	40.88

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 21

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]							Discord- ance [%]		
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35		Age <sup>206</sup> Pb/ <sup>238</sup> U		Age <sup>207</sup> Pb/ <sup>235</sup> U		Age <sup>207</sup> Pb/ <sup>206</sup> Pb			
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.			
1	970.0	0.293814	351000	0.110930	0.000450	5300.0	0.063000	0.352400	0.004300	0.948080	1947.0	21.0	1882.0	10.0	1814.6	7.3	-7.30
2	729.0	0.526749	234600	0.109750	0.000400	3000.0	0.041000	0.293300	0.002800	0.916960	1657.0	14.0	1719.0	7.7	1795.7	6.6	7.72
3	1720.0	0.498837	481000	0.110330	0.000540	670.0	0.100000	0.289500	0.006600	0.975690	1635.0	33.0	1706.0	19.0	1803.6	9.0	9.35
4	2500.0	0.724000	458000	0.105120	0.000760	380.0	0.099000	0.196900	0.005600	0.987940	1157.0	30.0	1365.0	25.0	1715.0	13.0	32.54
5	596.0	0.553691	200600	0.110140	0.000480	800.0	0.034000	0.320600	0.002200	0.787610	1792.0	11.0	1797.5	5.8	1800.8	7.9	0.49
6	553.0	0.777577	187500	0.130100	0.001600	71.0	0.110000	0.281200	0.005200	0.793140	1595.0	26.0	1820.0	18.0	2093.0	22.0	23.79
7	625.0	0.769600	223900	0.110390	0.000480	3600.0	0.081000	0.346500	0.005500	0.959510	1916.0	26.0	1861.0	13.0	1804.9	7.9	-6.16
8	820.0	0.534146	257000	0.111230	0.000450	2700.0	0.035000	0.293000	0.002400	0.881500	1656.0	12.0	1729.2	6.5	1818.7	7.4	8.95
9	779.0	0.709884	289000	0.110520	0.000460	6500.0	0.034000	0.347300	0.002100	0.787070	1923.0	10.0	1868.7	5.4	1807.1	7.6	-6.41
10	1585.0	0.215142	473000	0.110260	0.000720	4300.0	0.095000	0.272400	0.006200	0.947900	1551.0	31.0	1659.0	18.0	1803.0	12.0	13.98
11	762.0	0.740157	290300	0.111430	0.000440	3300.0	0.048000	0.310600	0.003000	0.912950	1743.0	15.0	1779.3	8.4	1821.8	7.2	4.33
12	489.0	0.511452	176300	0.109630	0.000420	2500.0	0.049000	0.291400	0.003100	0.956490	1648.0	15.0	1712.8	9.2	1792.9	6.9	8.08
13	854.0	0.542155	314500	0.112310	0.000580	1900.0	0.036000	0.311800	0.002600	0.750450	1749.0	13.0	1791.3	6.1	1836.0	9.4	4.74
14	505.0	0.401188	201500	0.110780	0.000690	4800.0	0.071000	0.358400	0.004600	0.928270	1973.0	22.0	1894.0	11.0	1811.0	11.0	-8.95
15	1254.0	0.629187	346000	0.112510	0.000670	2920.0	0.057000	0.241300	0.003100	0.906540	1393.0	16.0	1580.0	12.0	1839.0	11.0	24.25
16	270.7	0.417806	109700	0.109720	0.000490	700.0	0.041000	0.326500	0.002600	0.876240	1821.0	13.0	1808.5	7.2	1794.3	8.0	-1.49
17	487.0	0.704312	176900	0.113070	0.000920	1500.0	0.061000	0.311600	0.002800	0.762110	1748.0	14.0	1794.0	11.0	1847.0	15.0	5.36
18	412.0	0.507282	150500	0.109620	0.000560	5100.0	0.059000	0.318600	0.003600	0.868200	1782.0	18.0	1786.0	10.0	1792.0	9.2	0.56
19	1091.0	0.649863	379000	0.110510	0.000500	4600.0	0.061000	0.290400	0.003800	0.941970	1642.0	19.0	1714.0	11.0	1807.0	8.1	9.13
20	1435.0	0.511498	518000	0.110570	0.000460	13400.0	0.068000	0.309700	0.004400	0.954430	1738.0	22.0	1768.0	12.0	1808.1	7.6	3.88
21	359.0	0.615042	134200	0.109730	0.000440	2900.0	0.055000	0.303900	0.003800	0.983220	1709.0	19.0	1746.0	10.0	1793.8	7.4	4.73
22	1130.0	0.742478	337000	0.113790	0.000530	360.0	0.079000	0.247700	0.005400	0.977110	1424.0	28.0	1602.0	17.0	1859.6	8.4	23.42
23	1960.0	0.317347	601000	0.109600	0.000480	6500.0	0.058000	0.274900	0.003600	0.980350	1565.0	18.0	1664.0	12.0	1793.2	8.2	12.73
24	2050.0	0.775610	677000	0.110760	0.000500	11600.0	0.039000	0.294500	0.002700	0.957530	1664.0	13.0	1729.7	7.4	1812.1	8.4	8.17
25	1091.0	1.136572	350000	0.113640	0.000990	5300.0	0.110000	0.301300	0.006200	0.917050	1696.0	30.0	1766.0	20.0	1857.0	16.0	8.67
26	279.2	0.566977	111400	0.110160	0.000550	3800.0	0.038000	0.332900	0.002400	0.809150	1852.0	12.0	1827.0	6.4	1800.6	9.0	-2.85
27	587.0	0.487223	219400	0.111530	0.000530	6300.0	0.051000	0.308300	0.003300	0.926500	1732.0	16.0	1772.2	9.1	1823.4	8.6	5.01
28	1660.0	0.656627	413000	0.107860	0.000560	4130.0	0.100000	0.258100	0.006300	0.981890	1477.0	32.0	1588.0	21.0	1762.5	9.5	16.20
29	1360.0	0.764706	394000	0.120800	0.001700	1250.0	0.210000	0.291300	0.008900	0.969760	1645.0	44.0	1788.0	36.0	1964.0	26.0	16.24
30	1850.0	0.616216	469000	0.116930	0.000720	1720.0	0.091000	0.258400	0.006400	0.969410	1480.0	33.0	1657.0	18.0	1909.0	11.0	22.47
31	896.0	0.521205	282000	0.121400	0.001700	1840.0	0.110000	0.288400	0.004500	0.789620	1632.0	23.0	1780.0	19.0	1972.0	25.0	17.24
32	492.0	0.352846	168200	0.111470	0.000610	5300.0	0.036000	0.322900	0.002500	0.737050	1805.0	12.0	1805.7	6.1	1822.4	9.8	0.95
33	449.0	0.525612	162100	0.117840	0.000750	2070.0	0.034000	0.319400	0.002800	0.685450	1786.0	13.0	1844.1	5.6	1923.0	11.0	7.12

Sample 21 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CFS]	Isotopic ratios		Apparent isotopic dates [Ma]										Discordance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	2	S.E.	2	S.E.	2	S.E.	2	S.E.	2	S.E.		2	S.E.	2
34	619.9	0.495241	227000	0.110250	0.000410	6200.0	5700.0	4.817000	0.031000	0.319100	0.002300	0.846740	1785.0	11.0	1787.0	5.3	1802.7	6.7	0.98
35	775.0	0.529161	257400	0.110420	0.000400	4800.0	2900.0	4.336000	0.036000	0.286900	0.002300	0.917660	1626.0	11.0	1699.8	6.8	1805.6	6.7	9.95
36	454.0	0.341410	141500	0.118930	0.000770	1193.0	70.0	3.863000	0.090000	0.236800	0.005600	0.966730	1368.0	30.0	1601.0	20.0	1939.0	11.0	29.45
37	609.0	0.500821	230200	0.109960	0.000380	39000.0	26000.0	4.968000	0.026000	0.326300	0.001600	0.738620	1820.0	7.7	1813.7	4.3	1799.2	6.5	-1.16
38	665.0	0.696241	200800	0.115040	0.000830	2690.0	320.0	4.183000	0.092000	0.261900	0.004900	0.941610	1496.0	25.0	1661.0	17.0	1879.0	13.0	20.38
39	770.0	0.542857	258300	0.109200	0.000400	5600.0	2800.0	4.345000	0.029000	0.287700	0.001900	0.828340	1629.7	9.5	1701.0	5.6	1785.2	6.7	8.71
40	197.3	0.421186	62500	0.110610	0.000600	1700.0	1000.0	4.185000	0.040000	0.273500	0.003000	0.865030	1557.0	15.0	1669.2	7.9	1807.5	9.8	13.86
41	599.0	0.533389	199900	0.114830	0.000470	2090.0	120.0	4.403000	0.023000	0.277300	0.001700	0.746300	1577.2	8.6	1712.3	4.3	1876.0	7.4	15.93
42	1232.0	0.368506	252000	0.114810	0.000690	3110.0	430.0	2.915000	0.092000	0.184300	0.006300	0.988320	1087.0	34.0	1375.0	23.0	1875.0	11.0	42.03
43	32364.0	0.837350	1540000	0.105200	0.000900	19600.0	5200.0	0.771000	0.019000	0.052800	0.001300	0.939390	331.7	8.0	580.0	11.0	1717.0	16.0	80.68
44	679.0	0.456096	233300	0.109240	0.000350	3900.0	2800.0	4.468000	0.031000	0.295300	0.002200	0.899490	1667.0	11.0	1724.0	5.7	1786.1	5.9	6.67
45	1298.0	0.701849	375000	0.108880	0.000570	7000.0	5900.0	4.408000	0.058000	0.292700	0.003900	0.925440	1654.0	20.0	1712.0	11.0	1779.9	9.5	7.07
46	598.0	0.382943	230000	0.113350	0.000490	4470.0	560.0	4.454000	0.059000	0.284500	0.003600	0.943830	1613.0	18.0	1720.0	11.0	1853.2	7.7	12.96
47	1397.0	0.309950	460100	0.112130	0.000380	6530.0	580.0	4.078000	0.029000	0.263800	0.002100	0.900760	1509.0	11.0	1648.9	5.8	1833.4	6.2	17.69
48	627.0	0.467305	245700	0.109580	0.000410	3900.0	4200.0	5.038000	0.042000	0.332900	0.003100	0.794170	1852.0	15.0	1824.4	7.1	1791.6	6.8	-3.37
49	757.0	0.478203	280900	0.111100	0.000360	7500.0	1700.0	4.551000	0.032000	0.297100	0.002000	0.888820	1676.0	10.0	1739.4	5.9	1816.8	5.9	7.75
50	1125.0	0.468444	364000	0.112200	0.001500	17000.0	11000.0	5.009000	0.096000	0.322900	0.007300	0.805430	1803.0	35.0	1820.0	17.0	1833.0	24.0	1.64
51	787.0	0.479034	259300	0.111830	0.000720	5400.0	4000.0	4.681000	0.064000	0.303400	0.004600	0.896530	1707.0	23.0	1762.0	11.0	1828.0	12.0	6.62
52	803.0	0.485679	279000	0.115920	0.000830	2500.0	200.0	4.943000	0.062000	0.309000	0.003900	0.794120	1735.0	19.0	1810.0	10.0	1893.0	13.0	8.35
53	669.0	0.523169	217900	0.114100	0.001100	5100.0	1800.0	4.800000	0.130000	0.304200	0.006600	0.964430	1710.0	33.0	1779.0	24.0	1864.0	17.0	8.26
54	827.0	0.510278	263100	0.112650	0.000600	6400.0	2900.0	4.291000	0.081000	0.275600	0.005500	0.964610	1567.0	28.0	1687.0	16.0	1842.9	9.3	14.97
55	1446.0	0.744122	401000	0.110220	0.000540	5000.0	1800.0	3.709000	0.066000	0.244000	0.004000	0.968290	1407.0	21.0	1575.0	15.0	1802.3	8.9	21.93
56	925.0	0.458378	318000	0.110210	0.000610	11100.0	3400.0	4.773000	0.042000	0.313900	0.003100	0.823450	1759.0	15.0	1779.4	7.5	1802.0	10.0	2.39
57	1151.0	0.729800	427000	0.118700	0.001100	3030.0	560.0	4.924000	0.078000	0.301400	0.005500	0.866440	1696.0	27.0	1802.0	14.0	1934.0	16.0	12.31
58	927.0	0.662352	355900	0.111910	0.000580	4900.0	5500.0	4.816000	0.050000	0.311500	0.003000	0.864760	1748.0	15.0	1786.9	8.6	1830.0	9.5	4.48
59	471.0	0.409766	199700	0.109740	0.000440	21000.0	15000.0	5.359000	0.040000	0.353200	0.002700	0.871830	1949.0	13.0	1877.2	6.4	1794.0	7.2	-8.64
60	455.6	0.409350	168300	0.110510	0.000540	2800.0	3300.0	4.666000	0.051000	0.305600	0.003400	0.886870	1718.0	17.0	1759.4	9.2	1806.7	9.0	4.91

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]										Discord- ance [%]	
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35	Age		Age		Age						
									S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.			
1	517.0	0.787234	150200	0.111050	0.000610	5500.0	2100.0	4.770000	0.039000	0.311700	0.002600	0.777360	1748.0	13.0	1779.1	7.0	1817.0	10.0	3.80
2	498.0	1.281124	149100	0.120580	0.000920	2500.0	2000.0	5.150000	0.100000	0.310400	0.006800	0.940630	1739.0	34.0	1840.0	17.0	1963.0	14.0	11.41
3	586.0	0.795222	157000	0.109360	0.000580	3600.0	2100.0	4.322000	0.053000	0.286700	0.003600	0.907610	1624.0	18.0	1695.0	10.0	1787.3	9.7	9.14
4	1099.0	0.993631	273000	0.112500	0.001100	2800.0	290.0	4.069000	0.069000	0.262400	0.004600	0.838510	1501.0	24.0	1646.0	14.0	1838.0	18.0	18.34
5	461.0	0.602386	132900	0.109850	0.000660	1200.0	1900.0	4.768000	0.042000	0.314700	0.003100	0.812760	1763.0	15.0	1778.7	7.7	1796.0	11.0	1.84
6	496.0	0.820565	133490	0.109630	0.000600	2900.0	1500.0	4.460000	0.082000	0.295100	0.005600	0.955880	1664.0	28.0	1717.0	15.0	1792.0	10.0	7.14
7	417.0	0.455635	112300	0.108510	0.000970	800.0	2300.0	4.870000	0.120000	0.324400	0.007500	0.920040	1808.0	37.0	1793.0	20.0	1772.0	16.0	-2.03
8	722.0	0.854571	202800	0.117600	0.001100	3700.0	1300.0	4.837000	0.069000	0.297800	0.003000	0.735850	1680.0	15.0	1788.0	12.0	1915.0	17.0	12.27
9	753.0	0.503320	214000	0.109430	0.000600	3500.0	4200.0	4.774000	0.052000	0.315600	0.003400	0.861170	1767.0	16.0	1778.1	9.1	1789.0	10.0	1.23
10	455.0	0.643956	142800	0.110580	0.000720	3100.0	2600.0	4.865000	0.056000	0.319800	0.003600	0.809240	1788.0	17.0	1794.4	9.7	1807.0	12.0	1.05
11	1326.0	0.727753	286000	0.107140	0.000580	8800.0	3900.0	3.126000	0.047000	0.212400	0.003300	0.929370	1241.0	18.0	1437.0	11.0	1750.2	9.9	29.09
12	477.7	1.149257	122000	0.108810	0.000730	2700.0	2600.0	3.533000	0.031000	0.236900	0.002200	0.720420	1370.0	12.0	1534.7	7.2	1778.0	12.0	22.95
13	2740.0	4.014599	208200	0.094200	0.002400	1990.0	2700.0	1.325000	0.067000	0.102100	0.003800	0.886590	625.0	22.0	840.0	28.0	1493.0	45.0	58.14
14	2584.0	1.029412	259000	0.131700	0.004100	370.0	38.0	1.749000	0.067000	0.096800	0.002600	0.653210	595.0	15.0	1020.0	25.0	2097.0	56.0	71.63
15	10200.0	0.735294	12100000	0.345000	0.021000	74.9	5.8	42.200000	4.300000	1.470000	0.250000	0.515900	4460.0	460.0	3440.0	120.0	3420.0	120.0	-30.41
16	514.0	0.585603	152600	0.123400	0.001300	1080.0	170.0	4.136000	0.081000	0.243700	0.004300	0.821470	1404.0	22.0	1659.0	17.0	2007.0	19.0	30.04
17	1036.0	1.119691	249400	0.144600	0.001600	317.0	10.0	3.564000	0.045000	0.179200	0.002000	0.647140	1062.0	11.0	1540.0	10.0	2279.0	19.0	53.40
18	723.0	0.879668	198000	0.110250	0.000720	44000.0	38000.0	4.258000	0.072000	0.281000	0.004600	0.903490	1595.0	23.0	1684.0	15.0	1806.0	12.0	11.68
19	890.0	0.616854	238500	0.121500	0.001700	987.0	49.0	4.514000	0.081000	0.269300	0.005400	0.689890	1536.0	27.0	1731.0	15.0	1981.0	23.0	22.46
20	2740.0	0.839416	502000	0.114100	0.002200	1220.0	120.0	3.240000	0.140000	0.203500	0.006300	0.907670	1191.0	33.0	1454.0	34.0	1851.0	33.0	35.66
21	409.0	0.633252	101100	0.108270	0.000940	3300.0	1900.0	4.140000	0.110000	0.277400	0.007600	0.944470	1579.0	38.0	1662.0	22.0	1769.0	15.0	10.74
22	2463.0	0.777101	407000	0.117900	0.005000	1540.0	210.0	2.790000	0.200000	0.168500	0.004800	0.942160	1002.0	26.0	1327.0	42.0	1897.0	67.0	47.18
23	747.0	0.710843	236500	0.110940	0.000850	10100.0	3700.0	4.999000	0.056000	0.326100	0.003900	0.783470	1819.0	19.0	1817.8	9.6	1815.0	14.0	-0.22
24	1982.0	1.372351	368000	0.107100	0.001700	5000.0	950.0	3.360000	0.100000	0.227500	0.007100	0.847390	1320.0	37.0	1492.0	24.0	1752.0	28.0	24.66
25	1535.0	0.639739	195000	0.096600	0.001600	2540.0	320.0	2.140000	0.140000	0.157800	0.008700	0.967990	939.0	48.0	1135.0	45.0	1555.0	31.0	39.61
26	2218.0	0.761046	263600	0.136100	0.005900	287.0	32.0	2.267000	0.072000	0.123000	0.006000	0.553270	747.0	34.0	1206.0	24.0	2162.0	72.0	65.45
27	1540.0	0.655844	890000	0.187900	0.007100	301.0	43.0	9.370000	0.540000	0.355000	0.011000	0.750290	1949.0	51.0	2309.0	51.0	2649.0	67.0	26.43
28	664.0	0.603916	124000	0.107800	0.001600	3900.0	1100.0	3.520000	0.120000	0.235900	0.007700	0.911680	1364.0	41.0	1526.0	28.0	1760.0	26.0	22.50
29	2414.0	1.304888	277000	0.111600	0.001200	1167.0	84.0	2.152000	0.063000	0.139500	0.004100	0.951930	841.0	23.0	1161.0	20.0	1822.0	20.0	53.84
30	614.0	0.840391	131000	0.117000	0.001700	2600.0	490.0	4.160000	0.110000	0.257000	0.005200	0.822040	1473.0	27.0	1660.0	21.0	1905.0	27.0	22.68
31	2169.0	1.221761	787000	0.162900	0.009800	1030.0	180.0	6.680000	0.760000	0.281000	0.014000	0.966710	1581.0	66.0	1959.0	83.0	2359.0	93.0	32.98
32	1850.0	1.000000	228000	0.107700	0.001600	3600.0	690.0	2.560000	0.080000	0.173800	0.006100	0.899930	1032.0	33.0	1291.0	24.0	1761.0	26.0	41.40
33	225.1	0.557530	56200	0.112800	0.001100	1600.0	1300.0	4.396000	0.063000	0.283000	0.003900	0.692010	1605.0	19.0	1709.0	12.0	1841.0	18.0	12.82

Sample 23 (continued)

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]				Discord- ance [%]							
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> Pb								
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.								
34	2337.0	0.984168	714000	0.292000	0.010000	75.2	4.4	6.240000	0.210000	0.155600	0.006500	0.597530	938.0	38.0	2004.0	27.0	3412.0	56.0	72.51
35	1620.0	1.320988	364000	0.112200	0.001800	8500.0	3400.0	4.670000	0.100000	0.301600	0.007300	0.730380	1697.0	36.0	1758.0	18.0	1841.0	27.0	7.82
36	1041.0	0.643612	174500	0.115480	0.000950	1850.0	140.0	3.000000	0.050000	0.188600	0.003400	0.871760	1113.0	18.0	1405.0	13.0	1885.0	15.0	40.95
37	792.0	0.627525	161700	0.110300	0.005200	1740.0	260.0	4.190000	0.370000	0.274000	0.021000	0.835650	1560.0	100.0	1667.0	72.0	1799.0	86.0	13.29
38	552.0	0.623188	132900	0.113200	0.006800	6600.0	2700.0	4.770000	0.290000	0.309000	0.023000	0.675220	1730.0	110.0	1770.0	50.0	1830.0	100.0	5.46
39	599.0	0.567613	174000	0.119800	0.003800	1160.0	130.0	5.390000	0.200000	0.323000	0.011000	0.477470	1803.0	55.0	1876.0	32.0	1954.0	48.0	7.73
40	923.0	0.652221	234900	0.111000	0.001500	4300.0	1400.0	4.376000	0.084000	0.284000	0.004700	0.712370	1610.0	24.0	1704.0	16.0	1817.0	23.0	11.39
41	652.0	0.519939	153000	0.110100	0.002400	4200.0	6700.0	4.370000	0.130000	0.288000	0.010000	0.780940	1627.0	53.0	1703.0	26.0	1795.0	41.0	9.36
42	231.2	1.007785	67200	0.109330	0.000920	2400.0	1700.0	4.243000	0.043000	0.281400	0.002700	0.641850	1598.0	14.0	1681.4	8.3	1786.0	15.0	10.53
43	872.0	0.583716	230900	0.107240	0.000910	-20000.0	18000.0	4.322000	0.063000	0.290300	0.004500	0.809940	1642.0	22.0	1697.0	12.0	1751.0	16.0	6.23
44	771.0	0.959792	180000	0.111400	0.001100	3370.0	520.0	3.605000	0.087000	0.232900	0.005400	0.881150	1348.0	29.0	1549.0	19.0	1820.0	18.0	25.93
45	612.0	0.673203	147800	0.109400	0.001100	2700.0	2700.0	4.207000	0.093000	0.277600	0.006600	0.890550	1577.0	33.0	1670.0	19.0	1785.0	19.0	11.65
46	1450.0	1.150345	253700	0.122400	0.001900	1180.0	140.0	2.892000	0.095000	0.172800	0.006100	0.893920	1027.0	34.0	1365.0	25.0	1979.0	27.0	48.11
47	1032.0	1.162791	223900	0.111300	0.001400	3500.0	380.0	3.764000	0.083000	0.245000	0.005900	0.832190	1411.0	30.0	1582.0	18.0	1820.0	23.0	22.47
48	1095.0	0.568037	237000	0.112600	0.002600	2480.0	530.0	3.450000	0.160000	0.218200	0.005500	0.834960	1270.0	29.0	1497.0	31.0	1825.0	35.0	30.41
49	2658.0	0.609857	732000	0.175700	0.005700	198.0	14.0	4.940000	0.250000	0.200500	0.005200	0.869860	1177.0	28.0	1783.0	44.0	2586.0	53.0	54.49
50	565.0	0.706195	138600	0.108200	0.000860	4500.0	2000.0	3.874000	0.068000	0.259500	0.004800	0.877760	1486.0	24.0	1606.0	14.0	1768.0	14.0	15.95
51	1510.0	1.463576	220000	0.111300	0.001600	1540.0	130.0	2.767000	0.087000	0.181200	0.004900	0.917760	1072.0	26.0	1344.0	24.0	1814.0	26.0	40.90
52	1950.0	0.964103	323000	0.112300	0.001300	1608.0	96.0	2.990000	0.120000	0.191300	0.006100	0.949100	1125.0	33.0	1391.0	29.0	1831.0	20.0	38.56
53	853.0	0.828839	187100	0.114900	0.001300	2560.0	330.0	3.562000	0.075000	0.224900	0.004700	0.830630	1306.0	25.0	1540.0	16.0	1875.0	19.0	30.35
54	228.3	0.626369	60800	0.117500	0.001600	1880.0	670.0	4.446000	0.082000	0.273900	0.005100	0.742360	1560.0	26.0	1719.0	15.0	1916.0	24.0	18.58
55	1316.0	1.466565	201400	0.134900	0.004000	706.0	75.0	3.270000	0.180000	0.177000	0.010000	0.877260	1049.0	57.0	1442.0	45.0	2130.0	50.0	50.75
56	422.0	0.845972	121500	0.123800	0.001800	1070.0	120.0	4.638000	0.090000	0.271500	0.004900	0.680420	1547.0	25.0	1754.0	16.0	2008.0	26.0	22.96
57	1416.0	0.692797	268000	0.131500	0.002000	542.0	32.0	3.586000	0.060000	0.197800	0.003800	0.661720	1162.0	21.0	1543.0	13.0	2110.0	27.0	44.93
58	1390.0	0.798561	293000	0.111800	0.000860	1960.0	140.0	3.480000	0.160000	0.225000	0.010000	0.988330	1306.0	53.0	1529.0	39.0	1831.0	15.0	28.67
59	681.0	0.709251	143600	0.111600	0.001200	4050.0	940.0	3.540000	0.061000	0.230900	0.005100	0.875740	1338.0	27.0	1535.0	14.0	1823.0	19.0	26.60
60	629.0	0.623211	128400	0.113700	0.001300	2620.0	490.0	3.796000	0.066000	0.242200	0.004200	0.789780	1397.0	22.0	1589.0	14.0	1858.0	20.0	24.81

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 24

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]										Discord- ance [%]	
				<sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.	<sup>206</sup> Pb/ <sup>206</sup> Pb	2 S.E.	2 <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Error correla- tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.			
																	<sup>206</sup> Pb/ <sup>238</sup> U		2 S.E.
1	362.0	0.538674	96600	0.111530	0.000750	2000.0	1600.0	4.231000	0.060000	0.275100	0.004100	0.866830	1565.0	21.0	1676.0	12.0	1827.0	11.0	14.34
2	350.0	0.802857	105700	0.112020	0.000830	2300.0	740.0	4.360000	0.110000	0.280200	0.006200	0.952470	1596.0	32.0	1701.0	20.0	1831.0	13.0	12.83
3	1212.0	0.594884	204000	0.104160	0.000540	4200.0	3400.0	2.508000	0.048000	0.174000	0.003200	0.962090	1033.0	18.0	1271.0	14.0	1698.3	9.6	39.17
4	682.0	0.703812	105100	0.108940	0.000960	2660.0	980.0	2.224000	0.061000	0.147700	0.004000	0.944380	887.0	22.0	1183.0	19.0	1779.0	16.0	50.14
5	291.0	0.595533	95700	0.110100	0.000920	1000.0	2200.0	4.690000	0.100000	0.308000	0.006000	0.913350	1729.0	29.0	1761.0	18.0	1799.0	15.0	3.89
6	1499.0	0.558372	236900	0.109800	0.001100	1940.0	130.0	2.680000	0.063000	0.176600	0.003500	0.882160	1048.0	19.0	1319.0	17.0	1795.0	19.0	41.62
7	1484.0	0.646226	162800	0.109700	0.001100	956.0	45.0	1.911000	0.065000	0.126500	0.004200	0.942020	766.0	24.0	1075.0	23.0	1789.0	19.0	57.18
8	1596.0	1.405388	167200	0.112200	0.001100	1163.0	80.0	1.761000	0.040000	0.114200	0.002700	0.909550	697.0	16.0	1029.0	15.0	1833.0	18.0	61.97
9	837.0	0.654719	111500	0.108670	0.000710	2670.0	620.0	2.130000	0.059000	0.141900	0.003700	0.969750	854.0	21.0	1151.0	19.0	1775.0	12.0	51.89
10	436.0	0.922018	106000	0.113630	0.000970	2540.0	950.0	4.025000	0.057000	0.256600	0.004200	0.854480	1471.0	22.0	1637.0	12.0	1856.0	16.0	20.74
11	330.8	0.618803	78860	0.106400	0.001100	2500.0	2800.0	3.980000	0.100000	0.269700	0.006500	0.910810	1536.0	33.0	1622.0	21.0	1739.0	19.0	11.67
12	633.0	0.788310	124800	0.106640	0.000820	800.0	3900.0	3.368000	0.080000	0.229700	0.004700	0.932000	1332.0	25.0	1492.0	19.0	1741.0	14.0	23.49
13	790.0	0.568354	174800	0.110300	0.001600	5800.0	2700.0	3.990000	0.100000	0.263300	0.007200	0.847080	1506.0	37.0	1629.0	21.0	1802.0	26.0	16.43
14	748.0	0.942513	192000	0.126000	0.002000	802.0	63.0	4.637000	0.095000	0.267600	0.004900	0.679870	1528.0	25.0	1753.0	17.0	2038.0	28.0	25.02
15	879.0	0.763367	112200	0.104620	0.000750	3470.0	960.0	2.270000	0.120000	0.156100	0.008000	0.991970	931.0	44.0	1183.0	36.0	1706.0	13.0	45.43
16	4200.0	0.561905	123200	0.064470	0.000520	2350.0	230.0	0.475300	0.007600	0.053270	0.000770	0.863050	334.5	4.7	394.5	5.3	755.0	17.0	55.70
17	826.0	0.815981	137900	0.106410	0.000930	1800.0	3900.0	2.834000	0.060000	0.193000	0.004100	0.920630	1137.0	22.0	1362.0	16.0	1737.0	16.0	34.54
18	749.0	0.865154	151300	0.107710	0.000820	4900.0	2300.0	3.570000	0.110000	0.238600	0.006300	0.971730	1376.0	33.0	1531.0	24.0	1758.0	14.0	21.73
19	158.7	0.493384	40800	0.111900	0.001300	900.0	1300.0	4.640000	0.097000	0.299800	0.006200	0.847370	1693.0	31.0	1752.0	17.0	1831.0	21.0	7.54
20	750.0	1.337333	145100	0.112440	0.000980	1410.0	110.0	3.209000	0.096000	0.204200	0.004900	0.965710	1196.0	26.0	1452.0	23.0	1838.0	16.0	34.93
21	961.0	0.904266	134400	0.121000	0.001200	595.0	28.0	2.438000	0.070000	0.146900	0.004400	0.935470	881.0	24.0	1249.0	21.0	1968.0	18.0	55.23
22	979.0	0.661900	210000	0.107390	0.000740	2800.0	3500.0	3.800000	0.066000	0.256600	0.004500	0.906990	1471.0	23.0	1589.0	14.0	1754.0	13.0	16.13
23	143.1	0.765898	39200	0.111400	0.001600	1400.0	1500.0	4.220000	0.110000	0.270400	0.006300	0.860950	1549.0	35.0	1673.0	22.0	1819.0	25.0	14.84
24	963.0	0.529595	154800	0.104100	0.001100	4100.0	2100.0	2.820000	0.120000	0.194500	0.007400	0.957830	1141.0	39.0	1341.0	31.0	1699.0	19.0	32.84
25	336.2	0.690065	97400	0.109100	0.001000	0.0	2100.0	4.915000	0.086000	0.326400	0.005600	0.840060	1819.0	27.0	1801.0	15.0	1781.0	18.0	-2.13
26	911.0	0.729967	107100	0.099860	0.000990	2200.0	1700.0	2.175000	0.081000	0.158300	0.005800	0.963620	945.0	32.0	1164.0	26.0	1618.0	18.0	41.59
27	885.0	0.754802	164200	0.106160	0.000960	4900.0	2900.0	3.301000	0.086000	0.225300	0.005900	0.937480	1307.0	31.0	1475.0	21.0	1732.0	17.0	24.54
28	321.8	0.579242	78700	0.108570	0.000930	-1400.0	2900.0	4.473000	0.084000	0.299500	0.005600	0.895300	1681.0	28.0	1721.0	16.0	1772.0	15.0	5.14
29	822.0	0.452555	116100	0.104210	0.000890	3310.0	570.0	2.547000	0.067000	0.175300	0.004100	0.946850	1044.0	23.0	1285.0	19.0	1698.0	16.0	38.52
30	530.0	0.533962	105000	0.106260	0.000750	2900.0	1900.0	3.519000	0.096000	0.240500	0.006600	0.963920	1386.0	35.0	1530.0	22.0	1734.0	13.0	20.07
31	1414.0	0.940594	255000	0.138700	0.003600	451.0	40.0	3.580000	0.160000	0.187500	0.006400	0.793770	1104.0	35.0	1524.0	35.0	2183.0	43.0	49.43
32	644.0	0.979814	114700	0.111100	0.001000	2270.0	540.0	3.142000	0.060000	0.204400	0.003900	0.902740	1198.0	21.0	1440.0	15.0	1817.0	17.0	34.07
33	959.0	1.072993	172400	0.104590	0.000930	5000.0	3600.0	3.470000	0.110000	0.239100	0.007200	0.958510	1385.0	38.0	1512.0	25.0	1707.0	16.0	18.86

Sample 24 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]						Discord-ance [%]							
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla-tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>206</sup> Pb/ <sup>204</sup> Pb								
34	1238.0	0.750404	174300	0.102320	0.000760	4500.0	3000.0	2.471000	0.038000	0.174400	0.002700	0.880310	1036.0	15.0	1262.0	11.0	1665.0	14.0	37.78
35	421.0	0.809976	94000	0.110790	0.000980	3750.0	820.0	4.110000	0.140000	0.268000	0.008300	0.964740	1527.0	43.0	1647.0	28.0	1810.0	16.0	15.64
36	743.0	0.623149	155200	0.116300	0.002000	1520.0	190.0	4.000000	0.130000	0.249300	0.006000	0.827720	1434.0	31.0	1630.0	25.0	1895.0	32.0	24.33
37	866.0	2.109700	202500	0.143200	0.002000	356.0	16.0	4.370000	0.130000	0.221400	0.004900	0.867310	1288.0	26.0	1700.0	23.0	2260.0	24.0	43.01
38	2417.0	1.179148	143700	0.132400	0.002300	507.0	31.0	1.220000	0.056000	0.067700	0.003600	0.940580	422.0	22.0	806.0	25.0	2125.0	31.0	80.14
39	658.0	0.630699	147400	0.108030	0.000850	700.0	3700.0	4.104000	0.070000	0.275000	0.004700	0.898540	1565.0	24.0	1654.0	14.0	1764.0	15.0	11.28
40	703.0	0.624467	114000	0.115390	0.000830	1226.0	95.0	3.190000	0.120000	0.198600	0.006800	0.976080	1163.0	36.0	1438.0	29.0	1885.0	13.0	38.30
41	797.0	0.562108	112300	0.112500	0.001100	3800.0	1200.0	2.647000	0.059000	0.169400	0.003400	0.891080	1008.0	19.0	1311.0	16.0	1841.0	18.0	45.25
42	567.0	1.253968	224000	0.187100	0.003300	185.0	7.2	6.940000	0.220000	0.266300	0.005300	0.840040	1519.0	27.0	2085.0	28.0	2701.0	28.0	43.76
43	504.0	0.597619	112800	0.110800	0.001500	600.0	6100.0	4.370000	0.100000	0.287900	0.007400	0.842510	1629.0	37.0	1706.0	18.0	1808.0	24.0	9.90
44	389.7	1.193226	97000	0.109600	0.001400	-3300.0	2800.0	4.889000	0.094000	0.325700	0.006900	0.805700	1816.0	34.0	1798.0	16.0	1788.0	24.0	-1.57
45	1450.0	1.179310	159900	0.105200	0.001100	1820.0	920.0	2.420000	0.150000	0.164400	0.009700	0.984500	973.0	53.0	1211.0	44.0	1720.0	21.0	43.43
46	327.0	1.159021	67400	0.121600	0.001300	960.0	180.0	4.000000	0.110000	0.240500	0.007000	0.941890	1387.0	36.0	1628.0	22.0	1976.0	19.0	29.81
47	333.0	0.723724	80700	0.109500	0.001100	3600.0	1800.0	3.680000	0.140000	0.242300	0.009000	0.963140	1396.0	46.0	1558.0	29.0	1792.0	18.0	22.10
48	490.0	0.578163	115100	0.108600	0.001000	3300.0	3100.0	4.191000	0.061000	0.279800	0.004200	0.700190	1589.0	21.0	1670.0	12.0	1773.0	17.0	10.38
49	2032.0	0.563976	120800	0.090200	0.001300	3900.0	2300.0	1.200000	0.062000	0.097400	0.004800	0.944560	598.0	28.0	794.0	28.0	1425.0	29.0	58.04
50	1076.0	0.757435	136200	0.121700	0.001600	432.0	23.0	2.217000	0.043000	0.132100	0.002200	0.747560	800.0	13.0	1185.0	14.0	1978.0	23.0	59.56
51	1036.0	0.880309	205000	0.106800	0.000830	7400.0	2000.0	3.487000	0.053000	0.236900	0.003500	0.880580	1371.0	19.0	1525.0	13.0	1744.0	14.0	21.39
52	554.0	0.749097	126600	0.110700	0.001000	3400.0	1200.0	4.366000	0.075000	0.287300	0.005500	0.868520	1626.0	28.0	1703.0	14.0	1808.0	17.0	10.07
53	750.0	0.701333	149600	0.104820	0.000880	5100.0	2100.0	3.455000	0.077000	0.239400	0.005500	0.912420	1382.0	29.0	1516.0	19.0	1709.0	15.0	19.13
54	1925.0	0.753766	261500	0.138000	0.002900	354.0	25.0	2.487000	0.072000	0.129800	0.002100	0.647630	786.0	12.0	1262.0	21.0	2194.0	37.0	64.18
55	1220.0	0.440164	123300	0.103500	0.001000	2400.0	1200.0	1.809000	0.079000	0.125400	0.005000	0.978280	760.0	28.0	1041.0	27.0	1684.0	19.0	54.87
56	814.0	0.692875	127200	0.111630	0.000880	2260.0	550.0	2.860000	0.110000	0.183300	0.006300	0.982390	1081.0	34.0	1353.0	29.0	1823.0	14.0	40.70
57	469.0	0.571855	103000	0.110900	0.000990	2700.0	2000.0	3.983000	0.072000	0.260700	0.005100	0.887830	1492.0	26.0	1628.0	15.0	1811.0	16.0	17.61
58	966.0	0.758799	139600	0.107200	0.001000	1420.0	120.0	2.380000	0.110000	0.159800	0.007000	0.983460	953.0	39.0	1225.0	34.0	1750.0	17.0	45.54
59	1009.0	0.705649	167400	0.108150	0.000690	2730.0	600.0	2.862000	0.056000	0.192100	0.004100	0.955660	1131.0	22.0	1372.0	16.0	1767.0	12.0	35.99
60	796.0	0.587940	130100	0.114800	0.001100	1085.0	83.0	2.705000	0.063000	0.169700	0.003000	0.911760	1010.0	17.0	1325.0	17.0	1874.0	17.0	46.10

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 25

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]								Discord- ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>235</sup> U	2	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2	Discord- ance [%]				
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.				
1	3420.0	0.254386	736000	0.126700	0.006600	2040.0	470.0	3.260000	0.230000	0.182900	0.006000	0.833140	1081.0	32.0	1438.0	55.0	2000.0	80.0	45.95
2	695.0	0.648921	185000	0.110120	0.000840	5600.0	1500.0	4.190000	0.110000	0.276600	0.006200	0.949230	1571.0	31.0	1667.0	21.0	1803.0	13.0	12.87
3	4790.0	0.438205	736000	0.104660	0.000960	4040.0	310.0	2.261000	0.052000	0.157400	0.003700	0.936470	942.0	21.0	1198.0	16.0	1706.0	17.0	44.78
4	4670.0	0.493790	407600	0.093120	0.000660	2270.0	150.0	1.208000	0.027000	0.094400	0.002100	0.948560	581.0	12.0	803.0	13.0	1489.0	14.0	60.98
5	4970.0	0.394366	550000	0.098300	0.001300	3280.0	480.0	1.655000	0.079000	0.121500	0.004400	0.959170	738.0	25.0	984.0	31.0	1586.0	26.0	53.47
6	1600.0	0.163125	332000	0.106290	0.000860	7000.0	6000.0	3.320000	0.110000	0.226800	0.007200	0.973800	1314.0	38.0	1475.0	26.0	1736.0	15.0	24.31
7	2520.0	0.421032	283000	0.097520	0.000930	1740.0	140.0	1.464000	0.047000	0.108700	0.003100	0.959040	665.0	18.0	913.0	19.0	1576.0	18.0	57.80
8	1978.0	0.427199	289000	0.117800	0.002700	811.0	88.0	2.154000	0.072000	0.132400	0.003400	0.736260	801.0	19.0	1162.0	23.0	1913.0	41.0	58.13
9	1984.0	0.486895	305200	0.107100	0.001100	1620.0	110.0	2.293000	0.071000	0.156300	0.005100	0.943120	935.0	28.0	1207.0	22.0	1749.0	19.0	46.54
10	3930.0	0.531298	489000	0.108700	0.001200	2540.0	340.0	2.190000	0.110000	0.146600	0.007100	0.968080	874.0	40.0	1157.0	33.0	1779.0	20.0	50.87
11	1193.0	0.482816	308000	0.110710	0.000690	7000000.0	1000000.0	4.390000	0.053000	0.288300	0.003400	0.840100	1632.0	17.0	1708.4	9.9	1809.0	11.0	9.78
12	4490.0	0.556793	1290000	0.161600	0.005700	264.0	16.0	4.450000	0.470000	0.191000	0.013000	0.987040	1120.0	71.0	1638.0	78.0	2429.0	59.0	53.89
13	2990.0	0.568896	351500	0.106300	0.001300	2260.0	720.0	1.859000	0.054000	0.127500	0.003500	0.883820	772.0	20.0	1066.0	21.0	1731.0	21.0	55.40
14	1199.0	0.424520	315600	0.123000	0.001700	1110.0	110.0	4.250000	0.140000	0.251200	0.009300	0.882090	1441.0	48.0	1680.0	29.0	2001.0	25.0	27.99
15	970.0	0.479381	185000	0.110340	0.000870	4400.0	1700.0	3.581000	0.095000	0.236900	0.006500	0.958340	1367.0	34.0	1537.0	21.0	1802.0	14.0	24.14
16	546.0	0.439560	164000	0.124160	0.000960	2380.0	260.0	4.903000	0.081000	0.288000	0.004800	0.897650	1630.0	24.0	1803.0	14.0	2015.0	14.0	19.11
17	528.0	0.412879	128200	0.115600	0.001100	3360.0	970.0	3.960000	0.150000	0.249600	0.009500	0.967640	1431.0	49.0	1614.0	30.0	1886.0	18.0	24.13
18	2740.0	0.185401	364200	0.106800	0.001400	2050.0	170.0	2.325000	0.063000	0.158800	0.003800	0.884500	949.0	21.0	1215.0	19.0	1740.0	23.0	45.46
19	4200.0	0.611905	659000	0.119000	0.002900	793.0	49.0	2.610000	0.190000	0.159500	0.009200	0.977840	947.0	49.0	1276.0	50.0	1919.0	41.0	50.65
20	6860.0	0.628280	602000	0.122500	0.005200	439.0	59.0	1.660000	0.110000	0.099700	0.004700	0.787110	612.0	27.0	992.0	43.0	1971.0	75.0	68.95
21	2630.0	0.460076	508000	0.107890	0.000700	5100.0	600.0	3.498000	0.084000	0.236300	0.005700	0.962680	1371.0	30.0	1522.0	19.0	1763.0	12.0	22.23
22	4000.0	0.625000	311000	0.107300	0.002000	731.0	43.0	1.444000	0.065000	0.097900	0.003200	0.878340	601.0	18.0	903.0	27.0	1741.0	33.0	65.48
23	2930.0	0.602389	439000	0.137500	0.002600	369.0	19.0	2.650000	0.120000	0.137000	0.005000	0.926350	826.0	28.0	1293.0	35.0	2184.0	32.0	62.18
24	6390.0	0.302034	1071000	0.154500	0.005900	243.0	14.0	3.280000	0.190000	0.154600	0.006500	0.740350	926.0	37.0	1472.0	45.0	2390.0	63.0	61.26
25	6720.0	0.284226	509000	0.099800	0.002700	1200.0	120.0	1.514000	0.083000	0.110700	0.006500	0.854310	676.0	38.0	934.0	33.0	1617.0	49.0	58.19
26	8600.0	0.501163	926000	0.142300	0.004200	236.0	11.0	1.910000	0.140000	0.095900	0.004300	0.956590	589.0	25.0	1083.0	49.0	2239.0	50.0	73.69
27	3690.0	0.345257	644000	0.108700	0.001200	7480.0	780.0	3.088000	0.074000	0.207500	0.005400	0.911610	1215.0	29.0	1427.0	18.0	1775.0	20.0	31.55
28	1201.0	0.490425	290000	0.106000	0.001000	9300.0	5900.0	3.889000	0.066000	0.267500	0.005500	0.867850	1527.0	28.0	1609.0	14.0	1729.0	18.0	11.68
29	1080.0	0.824074	247000	0.106900	0.002600	3700.0	1400.0	4.460000	0.190000	0.305000	0.016000	0.898790	1714.0	81.0	1722.0	35.0	1745.0	45.0	1.78
30	6190.0	0.602585	289400	0.092200	0.004400	967.0	93.0	0.810000	0.045000	0.064400	0.001400	0.508840	402.2	8.5	594.0	22.0	1424.0	79.0	71.76
31	2030.0	0.496552	221000	0.137800	0.001600	210.3	5.6	1.888000	0.055000	0.100300	0.002900	0.891940	616.0	17.0	1078.0	20.0	2197.0	20.0	71.96
32	2670.0	0.134457	483000	0.126400	0.002800	501.0	45.0	2.710000	0.100000	0.155900	0.005200	0.817910	932.0	29.0	1330.0	30.0	2048.0	37.0	54.49
33	3640.0	0.585165	551000	0.109900	0.001800	1310.0	100.0	2.670000	0.260000	0.175000	0.015000	0.988240	1028.0	80.0	1278.0	67.0	1792.0	29.0	42.63



Sample 25 (continued)

Anal- ysis	Isotopic ratios										Apparent isotopic dates [Ma]									
	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	<sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.	<sup>206</sup> Pb/ <sup>204</sup> Pb	2 S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Error correla- tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.	Discord- ance [%]	
																				2 S.E.
34	13000.0	0.287231	658000	0.101000	0.003300	475.0	37.0	0.920000	0.057000	0.065800	0.002400	0.890170	411.0	14.0	656.0	29.0	1623.0	61.0	74.68	
35	5650.0	0.409027	705000	0.108600	0.001500	1498.0	86.0	2.300000	0.057000	0.154600	0.004100	0.818320	926.0	23.0	1211.0	17.0	1775.0	24.0	47.83	
36	672.0	0.790179	170000	0.113500	0.004200	2100.0	1200.0	4.780000	0.240000	0.305000	0.014000	0.640720	1713.0	66.0	1774.0	42.0	1861.0	70.0	7.95	
37	7620.0	0.479003	536000	0.106300	0.001400	569.0	10.0	1.317000	0.072000	0.088300	0.003800	0.981380	547.0	23.0	839.0	31.0	1730.0	23.0	68.38	
38	2890.0	0.129412	368000	0.113900	0.002200	1110.0	110.0	2.370000	0.120000	0.148000	0.005800	0.924590	892.0	34.0	1215.0	37.0	1862.0	36.0	52.09	
39	<b>2902.0</b>	<b>0.426602</b>	<b>368100</b>	<b>0.102500</b>	<b>0.001200</b>	<b>7500.0</b>	<b>1300.0</b>	<b>2.292000</b>	<b>0.069000</b>	<b>0.163200</b>	<b>0.005000</b>	<b>0.927840</b>	<b>974.0</b>	<b>28.0</b>	<b>1206.0</b>	<b>21.0</b>	<b>1668.0</b>	<b>21.0</b>	<b>41.61</b>	
40	7310.0	0.530780	730000	0.152600	0.006200	226.0	19.0	1.860000	0.120000	0.086800	0.002800	0.916070	540.0	18.0	1047.0	45.0	2322.0	70.0	76.74	
41	<b>5750.0</b>	<b>0.483478</b>	<b>745000</b>	<b>0.101900</b>	<b>0.001300</b>	<b>2710.0</b>	<b>250.0</b>	<b>2.268000</b>	<b>0.088000</b>	<b>0.161000</b>	<b>0.004900</b>	<b>0.934520</b>	<b>960.0</b>	<b>27.0</b>	<b>1194.0</b>	<b>27.0</b>	<b>1653.0</b>	<b>23.0</b>	<b>41.92</b>	
42	3230.0	1.538700	381000	0.119100	0.001500	701.0	44.0	2.230000	0.100000	0.136800	0.006700	0.963300	824.0	37.0	1181.0	32.0	1939.0	22.0	57.50	
43	1970.0	0.578680	413000	0.117100	0.001300	1510.0	140.0	3.923000	0.089000	0.243300	0.004900	0.814900	1402.0	26.0	1614.0	18.0	1912.0	21.0	26.67	
44	10190.0	0.697743	520000	0.105500	0.005000	460.0	38.0	1.025000	0.071000	0.070900	0.004000	0.698070	441.0	24.0	713.0	35.0	1710.0	90.0	74.21	
45	<b>1230.0</b>	<b>0.439024</b>	<b>290000</b>	<b>0.110720</b>	<b>0.000610</b>	<b>7800.0</b>	<b>2500.0</b>	<b>3.652000</b>	<b>0.068000</b>	<b>0.239200</b>	<b>0.004500</b>	<b>0.953780</b>	<b>1381.0</b>	<b>23.0</b>	<b>1558.0</b>	<b>15.0</b>	<b>1810.0</b>	<b>10.0</b>	<b>23.70</b>	
46	4310.0	0.443155	351000	0.094400	0.002400	1320.0	130.0	1.230000	0.088000	0.091700	0.004400	0.973810	564.0	26.0	797.0	39.0	1500.0	48.0	62.40	
47	4910.0	0.150916	395000	0.094300	0.001700	1440.0	150.0	1.355000	0.073000	0.102700	0.004000	0.836250	629.0	23.0	858.0	30.0	1505.0	34.0	58.21	
48	11600.0	0.426724	991000	0.095500	0.003200	1330.0	190.0	1.368000	0.070000	0.103900	0.006300	0.921860	637.0	37.0	873.0	30.0	1531.0	62.0	58.39	
49	3629.0	0.381372	622000	0.114500	0.003100	940.0	150.0	2.440000	0.110000	0.155600	0.005000	0.828720	931.0	28.0	1253.0	34.0	1861.0	49.0	49.97	
50	<b>1338.0</b>	<b>0.489537</b>	<b>402400</b>	<b>0.106550</b>	<b>0.000890</b>	<b>20000.0</b>	<b>10000.0</b>	<b>3.918000</b>	<b>0.061000</b>	<b>0.266300</b>	<b>0.004800</b>	<b>0.857650</b>	<b>1521.0</b>	<b>24.0</b>	<b>1616.0</b>	<b>13.0</b>	<b>1739.0</b>	<b>15.0</b>	<b>12.54</b>	
51	<b>402.0</b>	<b>0.487562</b>	<b>131600</b>	<b>0.107200</b>	<b>0.001200</b>	<b>3600.0</b>	<b>3900.0</b>	<b>4.336000</b>	<b>0.098000</b>	<b>0.293400</b>	<b>0.006400</b>	<b>0.874280</b>	<b>1657.0</b>	<b>32.0</b>	<b>1697.0</b>	<b>19.0</b>	<b>1750.0</b>	<b>20.0</b>	<b>5.31</b>	
52	3360.0	0.842262	395000	0.173500	0.006000	150.1	7.9	1.714000	0.057000	0.073000	0.001600	0.625130	453.9	9.6	1008.0	21.0	2564.0	55.0	82.30	
53	5230.0	0.590822	573000	0.136400	0.002200	236.2	6.5	1.570000	0.057000	0.082900	0.002000	0.912380	513.0	12.0	952.0	22.0	2175.0	29.0	76.41	
54	2436.0	0.825123	684000	0.122400	0.001600	680.0	31.0	3.966000	0.088000	0.235200	0.004600	0.799930	1361.0	24.0	1624.0	18.0	1988.0	23.0	31.54	
55	2500.0	0.320000	663000	0.196700	0.005000	120.5	4.8	3.340000	0.210000	0.120500	0.005400	0.680890	732.0	31.0	1472.0	50.0	2790.0	42.0	73.76	

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 31

Anal- ysis	U [ppm]	Th/U	Isotopic ratios			Apparent isotopic dates [Ma]					Discor- d- ance [%]								
			<sup>207</sup> Pb [CPS]	<sup>207</sup> Pb/ <sup>206</sup> Pb	2	<sup>207</sup> Pb/ <sup>235</sup> U	2	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>235</sup> U		2	Age <sup>207</sup> Pb/ <sup>206</sup> Pb						
			S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.		S.E.	S.E.						
1	1075.0	0.702326	93900	0.106700	0.001800	6300.0	4500.0	3.805000	0.076000	0.260600	0.006200	0.717500	1491.0	32.0	1591.0	16.0	1735.0	31.0	14.06
2	1491.0	0.645205	122300	0.112500	0.001900	3300.0	1400.0	3.530000	0.110000	0.227300	0.007600	0.825550	1317.0	40.0	1524.0	25.0	1832.0	30.0	28.11
3	547.0	0.552102	52900	0.114500	0.004000	1700.0	1200.0	4.460000	0.170000	0.286000	0.013000	0.665800	1619.0	62.0	1723.0	33.0	1854.0	62.0	12.68
4	1379.0	0.968818	139300	0.110900	0.001500	3270.0	580.0	4.253000	0.074000	0.281700	0.005600	0.721620	1598.0	28.0	1683.0	15.0	1808.0	24.0	11.62
5	149.8	1.328438	16440	0.108200	0.001700	580.0	570.0	4.226000	0.078000	0.283800	0.004100	0.613010	1613.0	21.0	1676.0	15.0	1762.0	28.0	8.46
6	1293.0	0.700696	110200	0.114500	0.001900	1360.0	110.0	3.597000	0.082000	0.229200	0.005200	0.713020	1328.0	27.0	1546.0	18.0	1862.0	30.0	28.68
7	1231.0	1.624695	104100	0.112100	0.002200	2470.0	560.0	3.865000	0.085000	0.249200	0.006100	0.588630	1433.0	31.0	1604.0	17.0	1825.0	36.0	21.48
8	1044.0	0.975096	107700	0.111190	0.000990	2320.0	580.0	4.132000	0.043000	0.269000	0.003200	0.612750	1536.0	16.0	1658.8	8.5	1822.0	16.0	15.70
9	442.0	0.846154	56500	0.103810	0.000970	-80000.0	11000.0	4.541000	0.066000	0.318300	0.004500	0.706530	1781.0	22.0	1742.0	11.0	1695.0	19.0	-5.07
10	326.6	0.843233	28240	0.105900	0.001300	-100.0	1000.0	3.874000	0.072000	0.267700	0.005100	0.788020	1530.0	26.0	1603.0	15.0	1728.0	23.0	11.46
11	1171.0	0.780529	100200	0.107700	0.001200	6500.0	2700.0	4.094000	0.058000	0.277900	0.004500	0.678650	1579.0	22.0	1654.0	11.0	1756.0	21.0	10.08
12	975.0	0.487179	63100	0.112700	0.001100	2210.0	830.0	2.761000	0.045000	0.179600	0.003000	0.829240	1064.0	17.0	1345.0	12.0	1841.0	18.0	42.21
13	867.0	0.527105	68200	0.112200	0.001200	2700.0	1200.0	3.329000	0.066000	0.217500	0.004500	0.853170	1268.0	24.0	1485.0	16.0	1832.0	20.0	30.79
14	595.0	0.788235	58400	0.110800	0.001100	2220.0	960.0	3.887000	0.049000	0.256200	0.002900	0.667620	1470.0	15.0	1610.0	10.0	1810.0	19.0	18.78
15	2100.0	0.533333	81100	0.143700	0.004000	506.0	69.0	2.026000	0.096000	0.107800	0.007100	0.928210	654.0	40.0	1101.0	32.0	2248.0	47.0	70.91
16	571.0	0.736077	50990	0.109000	0.001400	8300.0	4600.0	3.922000	0.064000	0.263500	0.004400	0.684200	1506.0	22.0	1616.0	13.0	1778.0	24.0	15.30
17	1053.0	0.533713	86600	0.107400	0.001900	-2800.0	4600.0	4.020000	0.100000	0.274000	0.008200	0.738660	1558.0	41.0	1634.0	20.0	1753.0	33.0	11.12
18	1481.0	1.100608	120900	0.118700	0.001900	1380.0	420.0	3.743000	0.062000	0.231700	0.003500	0.736760	1342.0	28.0	1579.0	13.0	1930.0	28.0	30.47
19	1499.0	0.799867	136400	0.128400	0.003300	605.0	31.0	4.620000	0.130000	0.259700	0.007500	0.566160	1486.0	38.0	1748.0	24.0	2063.0	46.0	27.97
20	371.6	0.894241	38950	0.106700	0.001300	700.0	1100.0	4.128000	0.062000	0.281400	0.003800	0.609270	1598.0	19.0	1658.0	12.0	1740.0	23.0	8.16
21	660.0	0.683333	48300	0.122400	0.002200	1100.0	330.0	3.635000	0.074000	0.215600	0.005600	0.686990	1257.0	30.0	1553.0	16.0	1981.0	32.0	36.55
22	603.0	0.693201	56800	0.109800	0.001300	1450.0	750.0	4.225000	0.065000	0.279900	0.003800	0.591560	1592.0	18.0	1678.0	12.0	1791.0	22.0	11.11
23	1381.0	0.679218	145100	0.143700	0.001900	363.0	16.0	4.980000	0.110000	0.250900	0.003800	0.740320	1441.0	19.0	1807.0	18.0	2263.0	23.0	36.32
24	1144.0	0.781469	99400	0.110120	0.000940	2190.0	710.0	4.035000	0.074000	0.265000	0.005200	0.886150	1513.0	27.0	1637.0	15.0	1802.0	15.0	16.04
25	759.0	1.412385	93400	0.153100	0.003100	310.0	20.0	6.040000	0.140000	0.284000	0.004200	0.518530	1610.0	21.0	1972.0	21.0	2371.0	35.0	32.10
26	747.0	0.710843	66600	0.105500	0.001400	0.0	2500.0	3.966000	0.054000	0.272500	0.003500	0.504130	1553.0	18.0	1625.0	11.0	1717.0	24.0	9.55
27	1536.0	0.703125	62400	0.122900	0.001600	900.0	89.0	1.861000	0.036000	0.110000	0.002700	0.821180	672.0	16.0	1064.0	13.0	1996.0	23.0	66.33
28	707.0	0.516266	49400	0.107000	0.001300	1800.0	1300.0	2.980000	0.089000	0.202200	0.005700	0.913980	1191.0	29.0	1402.0	23.0	1746.0	22.0	31.79
29	2840.0	1.179577	224100	0.106460	0.000850	6300.0	2000.0	3.708000	0.043000	0.251900	0.003300	0.767790	1448.0	17.0	1571.6	9.5	1741.0	16.0	16.83
30	550.0	1.127273	50600	0.109200	0.001100	-1700.0	2500.0	4.068000	0.051000	0.270400	0.004000	0.737900	1542.0	20.0	1646.0	10.0	1785.0	18.0	13.61
31	715.0	0.921678	65400	0.109200	0.001200	2040.0	750.0	3.834000	0.047000	0.254700	0.003300	0.638260	1462.0	17.0	1598.9	9.8	1783.0	20.0	18.00
32	737.0	1.004071	58500	0.109100	0.001100	2800.0	1900.0	3.718000	0.049000	0.246900	0.003500	0.703810	1421.0	18.0	1575.0	11.0	1783.0	19.0	20.30
33	694.0	0.687320	59700	0.108600	0.001000	1100.0	1100.0	3.830000	0.050000	0.255300	0.003300	0.753270	1465.0	17.0	1597.0	11.0	1772.0	17.0	17.33

Sample 31 (continued)

Anal-ysis	Isotopic ratios										Apparent isotopic dates [Ma]						Discord-ance [%]		
	U [ppm]	Tb/U	<sup>207</sup> Pb [CPS]	<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	2	2	2	2	2	2	2	2		2	2
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	
34	1640.0	0.577439	104300	0.111100	0.001700	2460.0	770.0	3.145000	0.055500	0.204800	0.004100	0.661150	1203.0	22.0	1443.0	13.0	1812.0	28.0	33.61
<b>35</b>	<b>662.0</b>	<b>0.811178</b>	<b>59420</b>	<b>0.106600</b>	<b>0.001300</b>	<b>2600.0</b>	<b>1700.0</b>	<b>3.842000</b>	<b>0.059000</b>	<b>0.261800</b>	<b>0.004100</b>	<b>0.687040</b>	<b>1498.0</b>	<b>21.0</b>	<b>1600.0</b>	<b>13.0</b>	<b>1739.0</b>	<b>22.0</b>	<b>13.86</b>
<b>36</b>	<b>417.0</b>	<b>0.714628</b>	<b>39200</b>	<b>0.110000</b>	<b>0.001600</b>	<b>1200.0</b>	<b>1100.0</b>	<b>3.933000</b>	<b>0.082000</b>	<b>0.260700</b>	<b>0.004200</b>	<b>0.735630</b>	<b>1493.0</b>	<b>22.0</b>	<b>1618.0</b>	<b>16.0</b>	<b>1795.0</b>	<b>26.0</b>	<b>16.82</b>
37	1840.0	1.630435	97500	0.126900	0.003000	1440.0	410.0	2.690000	0.140000	0.163000	0.011000	0.947990	959.0	58.0	1296.0	35.0	2029.0	42.0	52.74
38	868.0	0.895161	83800	0.112700	0.001000	1300.0	850.0	4.050000	0.052000	0.260800	0.003800	0.798890	1493.0	20.0	1643.0	11.0	1840.0	17.0	18.86
39	1395.0	2.286738	106600	0.130900	0.002700	602.0	30.0	3.474000	0.076000	0.192500	0.004300	0.528900	1134.0	23.0	1517.0	17.0	2097.0	36.0	45.92
40	901.0	0.776915	73900	0.109300	0.001400	1150.0	890.0	3.744000	0.044000	0.247300	0.003800	0.639500	1423.0	20.0	1578.5	9.4	1783.0	22.0	20.19
41	1940.0	0.786082	351900	0.218500	0.003000	118.7	2.6	8.610000	0.150000	0.285800	0.004600	0.635210	1619.0	23.0	2294.0	16.0	2965.0	22.0	45.40
42	423.0	0.834515	42000	0.110700	0.001500	300.0	1000.0	4.470000	0.070000	0.292200	0.004900	0.603260	1651.0	24.0	1723.0	13.0	1808.0	26.0	8.68
<b>43</b>	<b>740.0</b>	<b>0.772973</b>	<b>68300</b>	<b>0.105000</b>	<b>0.001100</b>	<b>-4900.0</b>	<b>3300.0</b>	<b>4.169000</b>	<b>0.043000</b>	<b>0.286600</b>	<b>0.003200</b>	<b>0.605450</b>	<b>1623.0</b>	<b>16.0</b>	<b>1666.0</b>	<b>8.4</b>	<b>1713.0</b>	<b>18.0</b>	<b>5.25</b>
44	445.0	0.651685	30800	0.112200	0.001800	920.0	510.0	3.017000	0.056000	0.194900	0.003600	0.391850	1147.0	19.0	1410.0	14.0	1829.0	28.0	37.29
45	1018.0	0.516699	57700	0.117400	0.001500	1320.0	650.0	2.674000	0.057000	0.166100	0.003100	0.808310	990.0	17.0	1318.0	16.0	1912.0	23.0	48.22
46	1478.0	0.638024	81800	0.114700	0.001700	1400.0	160.0	2.975000	0.054000	0.187300	0.004000	0.656440	1106.0	22.0	1399.0	14.0	1876.0	28.0	41.04
47	4020.0	0.875622	252800	0.120500	0.003500	719.0	38.0	3.750000	0.110000	0.224200	0.008600	0.679080	1302.0	45.0	1578.0	23.0	1950.0	53.0	33.23
<b>48</b>	<b>5370.0</b>	<b>1.173184</b>	<b>159100</b>	<b>0.092400</b>	<b>0.001400</b>	<b>3480.0</b>	<b>390.0</b>	<b>1.609000</b>	<b>0.031000</b>	<b>0.126100</b>	<b>0.002500</b>	<b>0.604280</b>	<b>765.0</b>	<b>14.0</b>	<b>972.0</b>	<b>12.0</b>	<b>1475.0</b>	<b>30.0</b>	<b>48.14</b>
49	1698.0	0.765607	115500	0.115500	0.001800	1330.0	140.0	3.831000	0.076000	0.239300	0.004300	0.685410	1382.0	23.0	1600.0	15.0	1887.0	26.0	26.76
50	1265.0	0.633992	61300	0.116900	0.002000	1490.0	320.0	2.613000	0.072000	0.163100	0.005700	0.817460	971.0	31.0	1296.0	20.0	1897.0	30.0	48.81
51	3340.0	1.248503	213000	0.124300	0.002000	645.0	61.0	3.378000	0.056000	0.196300	0.003600	0.596690	1155.0	19.0	1497.0	13.0	2017.0	30.0	42.74
<b>52</b>	<b>675.0</b>	<b>0.504296</b>	<b>49400</b>	<b>0.107100</b>	<b>0.002400</b>	<b>500.0</b>	<b>1300.0</b>	<b>4.122000</b>	<b>0.096000</b>	<b>0.281200</b>	<b>0.007400</b>	<b>0.665190</b>	<b>1595.0</b>	<b>37.0</b>	<b>1654.0</b>	<b>19.0</b>	<b>1741.0</b>	<b>40.0</b>	<b>8.39</b>

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 32

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [ <cps]< th=""> <th colspan="3">Isotopic ratios</th> <th colspan="7">Apparent isotopic dates [Ma]</th> <th rowspan="2">Discord-ance [%]</th> </cps]<>	Isotopic ratios			Apparent isotopic dates [Ma]							Discord-ance [%]					
				<sup>207</sup> Pb/ <sup>206</sup> Pb	2	S.E.	<sup>206</sup> Pb/ <sup>204</sup> Pb	2	S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U		2	S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb		
1	380.0	0.747368	168700	0.134700	0.003100	479.0	41.0	6.250000	0.170000	0.334400	0.004600	0.505880	1859.0	22.0	2004.0	23.0	2147.0	39.0	13.41
2	463.0	2.267819	155000	0.127600	0.002300	562.0	58.0	5.060000	0.130000	0.282200	0.005800	0.630340	1600.0	29.0	1823.0	22.0	2056.0	33.0	22.18
3	276.8	0.582370	82600	0.112600	0.001200	1630.0	270.0	4.330000	0.065000	0.276300	0.003200	0.489780	1572.0	16.0	1697.0	12.0	1835.0	17.0	14.33
4	306.0	0.827451	107500	0.124300	0.001600	647.0	53.0	4.720000	0.100000	0.272100	0.003900	0.797850	1550.0	20.0	1764.0	18.0	2013.0	23.0	23.00
<b>5</b>	<b>690.0</b>	<b>0.566667</b>	<b>195700</b>	<b>0.106490</b>	<b>0.000990</b>	<b>2860.0</b>	<b>460.0</b>	<b>4.317000</b>	<b>0.073000</b>	<b>0.292100</b>	<b>0.005700</b>	<b>0.878930</b>	<b>1651.0</b>	<b>28.0</b>	<b>1694.0</b>	<b>14.0</b>	<b>1738.0</b>	<b>17.0</b>	<b>5.01</b>
6	408.0	0.982843	193900	0.167900	0.008600	324.0	36.0	7.390000	0.400000	0.316400	0.005400	0.319260	1770.0	26.0	2125.0	45.0	2459.0	79.0	28.02
<b>7</b>	<b>842.0</b>	<b>0.622328</b>	<b>248000</b>	<b>0.107800</b>	<b>0.001100</b>	<b>2890.0</b>	<b>280.0</b>	<b>4.558000</b>	<b>0.056000</b>	<b>0.304600</b>	<b>0.004100</b>	<b>0.685290</b>	<b>1714.0</b>	<b>20.0</b>	<b>1740.0</b>	<b>10.0</b>	<b>1760.0</b>	<b>19.0</b>	<b>2.61</b>
8	436.0	1.114679	152900	0.138500	0.003000	398.0	37.0	4.799000	0.077000	0.253000	0.007200	0.636850	1451.0	37.0	1783.0	13.0	2197.0	38.0	33.96
9	281.0	0.443772	93400	0.114100	0.001200	969.0	96.0	4.990000	0.150000	0.314900	0.008900	0.930940	1761.0	44.0	1812.0	26.0	1862.0	20.0	5.42
10	493.0	1.032454	155500	0.125900	0.001300	621.0	30.0	4.653000	0.048000	0.267200	0.003100	0.480290	1527.0	16.0	1757.6	8.7	2037.0	18.0	25.04
11	666.0	1.048048	251900	0.129100	0.001400	523.0	25.0	5.149000	0.064000	0.291500	0.003400	0.668770	1648.0	17.0	1842.0	10.0	2080.0	19.0	20.77
12	771.0	0.706874	206000	0.128800	0.001300	439.0	16.0	4.020000	0.130000	0.225200	0.006700	0.948400	1306.0	35.0	1626.0	25.0	2080.0	18.0	37.21
13	208.4	0.978407	61700	0.125400	0.001300	708.0	70.0	4.276000	0.062000	0.248300	0.004800	0.846740	1427.0	25.0	1685.0	12.0	2030.0	19.0	29.70
14	357.8	0.645612	101500	0.111100	0.001600	1980.0	490.0	4.639000	0.079000	0.300600	0.005500	0.598510	1693.0	27.0	1754.0	14.0	1818.0	27.0	6.88
15	1690.0	0.565089	757000	0.246000	0.012000	117.5	7.7	6.810000	0.190000	0.213700	0.007100	-0.062352	1247.0	38.0	2079.0	24.0	3057.0	71.0	59.21
<b>16</b>	<b>391.0</b>	<b>0.777494</b>	<b>124200</b>	<b>0.105980</b>	<b>0.000770</b>	<b>3670.0</b>	<b>630.0</b>	<b>4.493000</b>	<b>0.059000</b>	<b>0.307400</b>	<b>0.004300</b>	<b>0.861610</b>	<b>1727.0</b>	<b>21.0</b>	<b>1728.0</b>	<b>11.0</b>	<b>1730.0</b>	<b>13.0</b>	<b>0.17</b>
17	988.0	1.779352	535000	0.231200	0.004300	101.1	3.4	7.860000	0.200000	0.245200	0.003200	0.639140	1412.0	17.0	2204.0	22.0	3055.0	31.0	53.78
<b>18</b>	<b>236.5</b>	<b>0.779281</b>	<b>72200</b>	<b>0.107300</b>	<b>0.001400</b>	<b>700.0</b>	<b>1800.0</b>	<b>4.810000</b>	<b>0.092000</b>	<b>0.321500</b>	<b>0.005500</b>	<b>0.746470</b>	<b>1800.0</b>	<b>28.0</b>	<b>1784.0</b>	<b>16.0</b>	<b>1753.0</b>	<b>24.0</b>	<b>-2.68</b>
<b>19</b>	<b>227.0</b>	<b>0.688546</b>	<b>78200</b>	<b>0.107170</b>	<b>0.000720</b>	<b>2450.0</b>	<b>900.0</b>	<b>4.796000</b>	<b>0.069000</b>	<b>0.323300</b>	<b>0.004600</b>	<b>0.874700</b>	<b>1804.0</b>	<b>22.0</b>	<b>1781.0</b>	<b>12.0</b>	<b>1752.0</b>	<b>13.0</b>	<b>-2.97</b>
20	162.7	1.143208	75400	0.147400	0.001600	296.0	13.0	6.220000	0.130000	0.305800	0.006000	0.864710	1718.0	30.0	2004.0	19.0	2312.0	19.0	25.69
21	550.0	0.663636	158300	0.117000	0.001300	1000.0	87.0	4.340000	0.078000	0.268700	0.005300	0.812900	1533.0	27.0	1698.0	15.0	1906.0	20.0	19.57
22	176.0	0.868750	52100	0.111700	0.002000	1390.0	640.0	4.677000	0.097000	0.303400	0.006300	0.606350	1706.0	31.0	1759.0	17.0	1818.0	33.0	6.16
23	269.4	0.664068	72300	0.116900	0.001000	1069.0	96.0	4.150000	0.066000	0.257500	0.004200	0.862160	1478.0	21.0	1665.0	13.0	1905.0	15.0	22.41
24	350.0	0.751429	105900	0.135200	0.003500	542.0	55.0	5.110000	0.130000	0.276200	0.004300	0.491860	1571.0	22.0	1836.0	21.0	2151.0	42.0	26.96
<b>25</b>	<b>331.0</b>	<b>0.830816</b>	<b>99850</b>	<b>0.108820</b>	<b>0.000950</b>	<b>1900.0</b>	<b>1200.0</b>	<b>4.515000</b>	<b>0.066000</b>	<b>0.300100</b>	<b>0.004800</b>	<b>0.857270</b>	<b>1691.0</b>	<b>24.0</b>	<b>1731.0</b>	<b>12.0</b>	<b>1777.0</b>	<b>16.0</b>	<b>4.84</b>
<b>26</b>	<b>320.0</b>	<b>0.313750</b>	<b>88600</b>	<b>0.103670</b>	<b>0.000760</b>	<b>2100.0</b>	<b>1600.0</b>	<b>4.360000</b>	<b>0.100000</b>	<b>0.303500</b>	<b>0.007200</b>	<b>0.954230</b>	<b>1706.0</b>	<b>36.0</b>	<b>1698.0</b>	<b>20.0</b>	<b>1690.0</b>	<b>13.0</b>	<b>-0.95</b>
27	153.8	0.862159	60670	0.112700	0.001000	1360.0	410.0	5.110000	0.120000	0.329000	0.007200	0.929000	1837.0	36.0	1833.0	19.0	1840.0	17.0	0.16
28	422.0	0.649289	186500	0.153300	0.003600	330.0	27.0	6.750000	0.210000	0.317800	0.005500	0.671190	1780.0	27.0	2062.0	28.0	2358.0	41.0	24.51
29	200.4	1.392216	73900	0.118530	0.000990	930.0	100.0	4.655000	0.081000	0.283600	0.004900	0.892740	1608.0	25.0	1756.0	15.0	1932.0	15.0	16.77
30	388.0	0.584278	127900	0.110700	0.001100	2020.0	800.0	4.727000	0.063000	0.309300	0.004700	0.761290	1736.0	23.0	1772.0	11.0	1807.0	18.0	3.93
31	411.0	0.778589	152100	0.131200	0.001500	439.0	19.0	5.750000	0.110000	0.316300	0.005200	0.817170	1770.0	26.0	1936.0	17.0	2111.0	20.0	16.15
32	856.0	0.686916	255100	0.152100	0.001600	248.4	6.7	4.610000	0.160000	0.217600	0.007400	0.949130	1271.0	40.0	1737.0	30.0	2366.0	18.0	46.28
33	1820.0	0.736264	371000	0.180400	0.005500	179.0	14.0	3.330000	0.110000	0.133300	0.001700	0.472930	806.5	9.9	1470.0	27.0	2609.0	54.0	69.09

Sample 32 (continued)

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]							Discord- ance [%]						
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	2 S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.		Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.				
34	668.0	1.064371	197400	0.121200	0.001200	680.0	28.0	4.446000	0.089000	0.265900	0.005400	0.856260	1519.0	27.0	1721.0	17.0	1974.0	17.0	23.05
<b>35</b>	<b>302.5</b>	<b>0.606942</b>	<b>88500</b>	<b>0.104780</b>	<b>0.000890</b>	<b>400.0</b>	<b>2000.0</b>	<b>4.387000</b>	<b>0.068000</b>	<b>0.303000</b>	<b>0.005300</b>	<b>0.790060</b>	<b>1708.0</b>	<b>27.0</b>	<b>1711.0</b>	<b>13.0</b>	<b>1708.0</b>	<b>16.0</b>	<b>0.00</b>
36	752.0	0.750000	228000	0.114510	0.000890	1259.0	76.0	4.406000	0.063000	0.278300	0.003900	0.852140	1581.0	20.0	1711.0	12.0	1870.0	14.0	15.45
37	396.1	0.840697	139200	0.135600	0.001600	421.0	18.0	5.182000	0.089000	0.276700	0.004100	0.739140	1577.0	21.0	1846.0	15.0	2167.0	21.0	27.23
38	448.1	0.655880	137900	0.122560	0.000950	709.0	30.0	4.645000	0.072000	0.274600	0.004200	0.848960	1563.0	21.0	1754.0	13.0	1991.0	14.0	21.50
39	217.0	0.834101	64000	0.116900	0.002100	270.0	77.0	4.668000	0.079000	0.290600	0.005800	0.523190	1643.0	29.0	1759.0	14.0	1905.0	31.0	13.75
40	656.0	0.640244	201300	0.129000	0.001400	583.0	32.0	4.388000	0.073000	0.247500	0.004200	0.805820	1424.0	22.0	1706.0	14.0	2079.0	19.0	31.51
41	403.0	0.689826	149400	0.134500	0.001700	477.0	26.0	5.226000	0.072000	0.286800	0.005100	0.776360	1623.0	25.0	1856.0	12.0	2148.0	21.0	24.44
42	1209.0	0.832093	318000	0.173800	0.003000	185.1	6.7	4.160000	0.150000	0.172600	0.005500	0.874750	1026.0	31.0	1642.0	31.0	2579.0	28.0	60.22
43	839.0	1.021454	285000	0.152000	0.004800	390.0	42.0	5.130000	0.120000	0.247700	0.006000	0.240260	1427.0	32.0	1834.0	19.0	2345.0	50.0	39.15
44	585.0	0.521368	200000	0.137700	0.003800	550.0	55.0	5.060000	0.100000	0.269200	0.004700	-0.054460	1535.0	24.0	1826.0	17.0	2185.0	46.0	29.75
45	1840.0	0.820652	397000	0.135800	0.002800	424.0	30.0	3.820000	0.110000	0.203400	0.004800	0.751920	1192.0	26.0	1587.0	25.0	2164.0	36.0	44.92
46	926.0	0.823974	246000	0.128500	0.002600	713.0	84.0	4.380000	0.110000	0.247000	0.004300	0.662110	1422.0	22.0	1703.0	22.0	2066.0	36.0	31.17
47	244.6	1.028209	106100	0.141800	0.002700	406.0	29.0	6.190000	0.130000	0.316200	0.004400	0.538940	1770.0	22.0	1996.0	18.0	2236.0	32.0	20.84
48	495.0	1.195960	169400	0.136700	0.003200	780.0	120.0	5.216000	0.092000	0.278100	0.005600	0.203520	1579.0	28.0	1851.0	15.0	2161.0	42.0	26.93
49	394.0	1.005076	154700	0.142300	0.001400	347.0	13.0	5.986000	0.091000	0.303300	0.003900	0.753650	1709.0	19.0	1970.0	13.0	2251.0	17.0	24.08
50	408.0	0.825980	127300	0.127700	0.001700	585.0	35.0	5.090000	0.100000	0.288500	0.007000	0.846440	1632.0	35.0	1830.0	17.0	2062.0	23.0	20.85
51	843.0	0.428233	189000	0.121600	0.002800	1310.0	130.0	4.110000	0.220000	0.234900	0.008200	0.945610	1351.0	43.0	1596.0	45.0	1946.0	39.0	30.58
52	747.0	0.836680	231100	0.176900	0.003300	187.9	8.9	5.100000	0.230000	0.208300	0.007000	0.934900	1224.0	39.0	1841.0	40.0	2617.0	32.0	53.23
53	302.0	0.834437	111500	0.154300	0.005700	406.0	46.0	6.170000	0.280000	0.289800	0.005900	0.631290	1638.0	29.0	1981.0	37.0	2362.0	62.0	30.65
54	560.0	0.566071	119500	0.144600	0.001400	329.0	12.0	3.307000	0.096000	0.165600	0.005400	0.952930	985.0	30.0	1473.0	24.0	2282.0	17.0	56.84
55	673.0	0.341753	215600	0.121200	0.001100	791.0	47.0	4.751000	0.073000	0.283500	0.003900	0.817450	1608.0	20.0	1775.0	13.0	1972.0	16.0	18.46
56	161.0	1.366460	53600	0.140000	0.002900	580.0	110.0	5.320000	0.130000	0.277200	0.005400	0.582130	1576.0	28.0	1861.0	20.0	2203.0	36.0	28.46
57	477.0	0.794549	140400	0.112000	0.001000	2590.0	720.0	4.409000	0.049000	0.283000	0.002800	0.646490	1605.0	14.0	1711.6	9.0	1830.0	16.0	12.30
58	915.0	0.997814	192000	0.129000	0.001800	440.0	18.0	3.677000	0.078000	0.204300	0.005000	0.771520	1198.0	27.0	1563.0	17.0	2080.0	24.0	42.40
<b>59</b>	<b>677.0</b>	<b>0.700148</b>	<b>180000</b>	<b>0.106160</b>	<b>0.000990</b>	<b>3800.0</b>	<b>2700.0</b>	<b>4.545000</b>	<b>0.091000</b>	<b>0.308500</b>	<b>0.006900</b>	<b>0.917480</b>	<b>1732.0</b>	<b>34.0</b>	<b>1737.0</b>	<b>17.0</b>	<b>1733.0</b>	<b>17.0</b>	<b>0.06</b>
60	1607.0	0.752334	242000	0.113200	0.003100	857.0	86.0	2.560000	0.130000	0.159600	0.004800	0.908980	953.0	27.0	1266.0	38.0	1826.0	48.0	47.81

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]										Discord- ance [%]
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U		Age <sup>207</sup> Pb/ <sup>235</sup> U		Age <sup>207</sup> Pb/ <sup>206</sup> Pb						
				S.E.	S.E.	S.E.	S.E.	2	S.E.	2	S.E.	2	S.E.	2	S.E.			
1	1420.0	0.318310	378000	0.193500	0.005200	135.0	8.4	5.170000	0.400000	0.194000	0.964920	1149.0	66.0	1830.0	60.0	2760.0	45.0	58.37
2	2056.0	0.778210	467000	0.132900	0.002600	403.0	17.0	3.644000	0.099000	0.198500	0.747860	1166.0	27.0	1555.0	22.0	2129.0	34.0	45.23
3	33.0	1.272727	30000	0.259000	0.082000	129.0	92.0	14.900000	6.800000	0.415000	0.533860	2210.0	410.0	2690.0	320.0	3120.0	390.0	29.17
4	13.0	0.923077	9200	0.260000	0.160000	12.0	84.0	17.100000	9.300000	0.830000	0.057401	3300.0	1600.0	2920.0	710.0	3400.0	1700.0	2.94
5	426.0	1.981221	157000	0.142600	0.009500	1270.0	500.0	6.070000	0.540000	0.306200	0.734820	1718.0	48.0	1947.0	71.0	2180.0	110.0	21.19
6	450.0	0.700000	191000	0.170000	0.023000	310.0	130.0	9.200000	2.400000	0.377000	0.946590	2050.0	250.0	2270.0	230.0	2490.0	240.0	17.67
7	663.0	0.740573	200000	0.128800	0.004500	511.0	64.0	5.220000	0.230000	0.296000	0.618410	1671.0	57.0	1847.0	35.0	2067.0	60.0	19.16
8	789.0	0.593156	217500	0.107800	0.001900	-1100.0	6400.0	4.480000	0.110000	0.300900	0.805650	1703.0	48.0	1729.0	19.0	1764.0	35.0	3.46
9	400.0	0.699000	112300	0.105000	0.001600	700.0	2700.0	4.430000	0.100000	0.305400	0.738220	1716.0	36.0	1715.0	19.0	1715.0	30.0	-0.06
10	3168.0	0.934975	573000	0.142300	0.002800	253.7	9.8	3.280000	0.110000	0.167900	0.833260	1000.0	30.0	1473.0	27.0	2251.0	34.0	55.58
11	1001.0	1.298701	299600	0.132000	0.003300	529.0	43.0	5.320000	0.140000	0.292900	0.448100	1655.0	33.0	1869.0	22.0	2114.0	44.0	21.71
12	590.0	0.796610	186000	0.138000	0.012000	410.0	100.0	7.060000	0.870000	0.373000	0.673600	2040.0	150.0	2096.0	97.0	2170.0	140.0	5.99
13	6.1	1.482085	205000	0.840300	0.007900	18.5	0.2	803.000000	58.000000	6.820000	0.989300	12640.0	380.0	6640.0	75.0	5054.0	18.0	-150.10
14	376.0	0.802128	103100	0.107800	0.001300	2100.0	1700.0	4.668000	0.071000	0.315000	0.766280	1763.0	28.0	1759.0	13.0	1762.0	23.0	-0.06
15	939.0	0.877529	235000	0.108300	0.001900	4080.0	710.0	4.490000	0.099000	0.301600	0.696730	1698.0	35.0	1727.0	18.0	1767.0	31.0	3.90
16	773.0	0.732212	246100	0.133800	0.001500	455.0	17.0	5.336000	0.068000	0.290100	0.773090	1641.0	23.0	1876.0	11.0	2147.0	20.0	23.57
17	147.0	0.688435	55100	0.132500	0.001900	281.0	13.0	5.847000	0.094000	0.280900	0.807490	1592.0	30.0	1950.0	14.0	2364.0	21.0	32.66
18	1432.0	1.319134	561000	0.184600	0.003800	176.4	7.4	6.440000	0.160000	0.252800	0.574600	1452.0	19.0	2029.0	22.0	2679.0	33.0	45.80
19	329.7	0.609645	111000	0.111900	0.001600	2500.0	1000.0	4.597000	0.078000	0.296400	0.579880	1673.0	16.0	1747.0	14.0	1826.0	25.0	8.38
20	214.7	0.694923	80000	0.105570	0.000810	1000.0	3000.0	4.540000	0.100000	0.309800	0.929140	1738.0	31.0	1734.0	19.0	1723.0	14.0	-0.87
21	641.0	0.882995	275000	0.160400	0.004000	267.0	15.0	6.680000	0.220000	0.300200	0.623350	1690.0	23.0	2056.0	27.0	2439.0	40.0	30.71
22	149.4	0.927711	43800	0.102800	0.001000	2200.0	2400.0	4.603000	0.055000	0.324000	0.746490	1808.0	24.0	1748.0	10.0	1675.0	19.0	-7.94
23	686.0	1.256560	244000	0.124600	0.001200	606.0	26.0	4.920000	0.041000	0.285900	0.523050	1620.0	14.0	1805.6	7.2	2019.0	17.0	19.76
24	440.0	0.802273	141800	0.107630	0.000810	2960.0	940.0	4.525000	0.048000	0.303900	0.689630	1710.0	16.0	1734.8	8.8	1758.0	14.0	2.73
25	280.0	0.864286	99000	0.106940	0.000860	2710.0	910.0	5.500000	0.110000	0.372400	0.920900	2036.0	36.0	1895.0	18.0	1747.0	14.0	-16.54
26	460.0	0.804348	133400	0.104930	0.000850	2200.0	1900.0	4.421000	0.038000	0.305600	0.568650	1718.0	13.0	1715.3	7.2	1711.0	15.0	-0.41
27	456.4	0.611744	124300	0.105700	0.001100	1800.0	2400.0	4.113000	0.055000	0.281600	0.712860	1599.0	19.0	1655.0	11.0	1723.0	18.0	7.20
28	426.0	1.192488	120800	0.110000	0.001100	2440.0	370.0	4.614000	0.065000	0.304700	0.825290	1714.0	26.0	1751.0	12.0	1798.0	19.0	4.67
29	338.3	0.677801	108600	0.112000	0.001300	1770.0	330.0	4.825000	0.082000	0.312000	0.680920	1750.0	22.0	1788.0	14.0	1830.0	21.0	4.37
30	1180.0	0.619492	380000	0.128800	0.002600	860.0	110.0	5.310000	0.120000	0.300100	0.463580	1691.0	17.0	1864.0	20.0	2066.0	36.0	18.15
31	432.0	0.571759	266000	0.178100	0.002700	185.2	7.0	8.520000	0.180000	0.346500	0.710060	1917.0	21.0	2285.0	19.0	2632.0	25.0	27.17
32	393.0	0.786260	135100	0.120300	0.001500	1160.0	130.0	5.100000	0.087000	0.307600	0.691600	1728.0	15.0	1832.0	14.0	1954.0	22.0	11.57
33	711.0	1.113924	190600	0.112000	0.002500	1670.0	250.0	4.640000	0.120000	0.302000	0.629280	1699.0	51.0	1753.0	21.0	1836.0	47.0	7.46

Sample 34 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		<sup>206</sup> Pb/ <sup>204</sup> Pb		<sup>207</sup> Pb/ <sup>235</sup> U		<sup>206</sup> Pb/ <sup>238</sup> U		Error correlation 6/38 vs 7/35		Apparent isotopic dates [Ma]		Age <sup>207</sup> Pb/ <sup>206</sup> Pb	Discordance [%]		
				<sup>207</sup> Pb/ <sup>206</sup> Pb	S.E.	2	S.E.	2	S.E.	2	S.E.	2	S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	S.E.			Age <sup>207</sup> Pb/ <sup>235</sup> U	S.E.
34	1031.0	0.725509	418000	0.175100	0.002700	185.0	5.5	6.710000	0.160000	0.281600	0.005800	0.646310	1598.0	29.0	2074.0	20.0	2603.0	26.0	38.61
<b>35</b>	<b>557.0</b>	<b>0.7161221</b>	<b>164000</b>	<b>0.107040</b>	<b>0.000780</b>	<b>1700.0</b>	<b>2000.0</b>	<b>4.549000</b>	<b>0.040000</b>	<b>0.308700</b>	<b>0.002800</b>	<b>0.737230</b>	<b>1734.0</b>	<b>14.0</b>	<b>1739.1</b>	<b>7.4</b>	<b>1747.0</b>	<b>13.0</b>	<b>0.74</b>
36	697.0	0.814921	234000	0.159800	0.002800	228.0	11.0	5.390000	0.200000	0.246200	0.009500	0.898070	1414.0	49.0	1868.0	36.0	2446.0	29.0	42.19
37	701.0	0.834522	194500	0.118000	0.002100	1210.0	130.0	4.830000	0.100000	0.298500	0.005300	0.626430	1683.0	26.0	1788.0	18.0	1920.0	32.0	12.34
<b>38</b>	<b>804.0</b>	<b>0.681592</b>	<b>185600</b>	<b>0.107900</b>	<b>0.001600</b>	<b>3600.0</b>	<b>1000.0</b>	<b>3.862000</b>	<b>0.066000</b>	<b>0.259400</b>	<b>0.004500</b>	<b>0.661750</b>	<b>1486.0</b>	<b>23.0</b>	<b>1609.0</b>	<b>14.0</b>	<b>1764.0</b>	<b>26.0</b>	<b>15.76</b>
39	1480.0	0.622297	412000	0.157700	0.002300	246.0	13.0	4.554000	0.090000	0.210200	0.004200	0.731360	1228.0	23.0	1738.0	16.0	2421.0	25.0	49.28
40	1474.0	0.854817	421000	0.147300	0.004900	470.0	51.0	5.160000	0.340000	0.243300	0.008700	0.891970	1401.0	45.0	1784.0	50.0	2271.0	52.0	38.31
41	780.0	0.703846	220800	0.113100	0.001100	1760.0	140.0	4.450000	0.048000	0.284400	0.003300	0.560800	1613.0	15.0	1722.3	8.5	1847.0	18.0	12.67
42	822.0	0.656934	232100	0.115400	0.001600	1950.0	340.0	4.625000	0.056000	0.291100	0.003900	0.451780	1646.0	19.0	1753.0	10.0	1882.0	25.0	12.54
43	891.0	1.571268	298300	0.118000	0.000950	1232.0	91.0	5.162000	0.070000	0.314800	0.003200	0.781110	1764.0	16.0	1844.0	11.0	1923.0	14.0	8.27
44	729.0	0.640604	220200	0.122900	0.001400	831.0	61.0	5.079000	0.082000	0.299200	0.004700	0.750040	1687.0	23.0	1831.0	14.0	1997.0	20.0	15.52
45	509.0	0.954813	175900	0.129700	0.002000	950.0	180.0	5.244000	0.085000	0.291100	0.003100	0.497010	1646.0	15.0	1855.0	13.0	2086.0	27.0	21.09
<b>46</b>	<b>326.0</b>	<b>0.947853</b>	<b>116000</b>	<b>0.107890</b>	<b>0.000900</b>	<b>2000.0</b>	<b>1700.0</b>	<b>4.744000</b>	<b>0.055000</b>	<b>0.318200</b>	<b>0.004600</b>	<b>0.801210</b>	<b>1780.0</b>	<b>22.0</b>	<b>1773.8</b>	<b>9.8</b>	<b>1764.0</b>	<b>16.0</b>	<b>-0.91</b>
47	864.0	0.769676	293100	0.126000	0.001800	845.0	74.0	5.029000	0.074000	0.290500	0.002200	0.359920	1643.0	11.0	1821.0	12.0	2034.0	24.0	19.22
48	1192.0	2.369966	551000	0.253000	0.007600	96.8	4.8	7.470000	0.170000	0.216300	0.005000	0.175490	1261.0	26.0	2168.0	22.0	3187.0	46.0	60.43
49	884.0	0.593891	222800	0.126200	0.002100	548.0	28.0	3.950000	0.140000	0.220800	0.005700	0.839100	1282.0	30.0	1597.0	29.0	2042.0	29.0	37.22
50	472.0	0.675847	170600	0.131300	0.001200	484.0	17.0	5.550000	0.100000	0.306600	0.005400	0.875900	1723.0	27.0	1906.0	16.0	2114.0	15.0	18.50
51	810.0	0.562963	273800	0.138300	0.002500	401.0	24.0	5.516000	0.074000	0.290300	0.004500	0.230550	1643.0	22.0	1902.0	12.0	2202.0	31.0	25.39
52	278.0	0.702518	90200	0.105210	0.000800	1900.0	3100.0	4.903000	0.053000	0.338400	0.003600	0.752350	1878.0	18.0	1801.5	9.0	1716.0	14.0	-9.44
53	412.0	0.498544	108700	0.104000	0.003500	-900.0	4700.0	4.590000	0.190000	0.324000	0.017000	0.707320	1804.0	80.0	1742.0	34.0	1687.0	65.0	-6.94
54	22.0	0.263636	8700	0.274000	0.041000	420.0	680.0	19.600000	7.900000	0.510000	0.200000	0.894120	2530.0	840.0	2830.0	530.0	3280.0	240.0	22.87
55	532.0	0.575188	132600	0.111600	0.001500	2000.0	1200.0	4.176000	0.055000	0.272000	0.004600	0.627210	1550.0	23.0	1667.0	11.0	1829.0	23.0	15.25
56	1004.0	0.817729	461000	0.207000	0.014000	154.0	16.0	8.610000	0.770000	0.300000	0.008500	0.681920	1689.0	42.0	2273.0	76.0	2840.0	100.0	40.53
57	326.7	0.767371	96300	0.116900	0.001900	1180.0	140.0	5.120000	0.120000	0.320800	0.003900	0.683350	1793.0	19.0	1837.0	20.0	1905.0	29.0	5.88
58	976.0	0.840164	303000	0.129800	0.002100	653.0	55.0	5.593000	0.096000	0.312800	0.003100	0.324090	1754.0	15.0	1912.0	15.0	2088.0	28.0	16.00
59	2386.0	0.574183	670000	0.207200	0.002600	120.2	2.8	5.193000	0.083000	0.183000	0.003200	0.754390	1083.0	17.0	1850.0	14.0	2882.0	20.0	62.42
60	634.0	1.561514	313000	0.214000	0.008900	123.0	11.0	9.080000	0.400000	0.318000	0.015000	0.400250	1774.0	72.0	2357.0	55.0	2923.0	63.0	39.31

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]						Discord- ance [%]					
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>238</sup> U	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	2σ S.E.	Age <sup>207</sup> Pb/ <sup>238</sup> U	2σ S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2σ S.E.	Age <sup>206</sup> Pb/ <sup>206</sup> Pb		2σ S.E.				
1	647.0	0.910355	72500	0.108900	0.001000	1770.0	890.0	3.961000	0.048000	0.263500	0.003200	0.719940	1509.0	16.0	1623.9	9.8	1781.0	17.0	15.27
2	1455.0	1.134021	186900	0.185800	0.003600	168.6	7.2	4.560000	0.130000	0.177900	0.003200	0.712990	1055.0	17.0	1738.0	23.0	2694.0	33.0	60.84
3	3910.0	0.682864	340000	0.152200	0.002500	222.8	8.2	3.325000	0.072000	0.159500	0.003200	0.687350	953.0	18.0	1483.0	17.0	2368.0	28.0	59.76
4	345.0	0.988406	42900	0.106200	0.001100	800.0	1400.0	4.494000	0.056000	0.308100	0.003700	0.636770	1730.0	18.0	1730.0	11.0	1733.0	20.0	0.17
5	1686.0	0.279359	123700	0.142100	0.002200	287.0	10.0	2.568000	0.062000	0.130800	0.002800	0.779560	791.0	16.0	1284.0	18.0	2244.0	25.0	64.75
6	393.2	0.416836	51680	0.106540	0.000980	-1500.0	1900.0	4.433000	0.049000	0.302000	0.003500	0.656090	1700.0	17.0	1716.8	9.1	1739.0	17.0	2.24
7	1770.0	0.207906	192900	0.128800	0.002700	760.0	100.0	4.241000	0.067000	0.241200	0.005700	0.523420	1391.0	30.0	1684.0	12.0	2070.0	37.0	32.80
8	567.0	0.962963	79700	0.106390	0.000940	1400.0	1700.0	4.545000	0.049000	0.308000	0.002900	0.635190	1730.0	14.0	1737.8	9.0	1740.0	16.0	0.57
9	668.0	0.637725	88000	0.107900	0.000920	3400.0	4500.0	4.569000	0.053000	0.307400	0.003600	0.699610	1727.0	18.0	1742.1	9.5	1762.0	16.0	1.99
10	744.0	0.985215	74200	0.120100	0.001400	990.0	94.0	3.276000	0.042000	0.197700	0.003700	0.773660	1162.0	20.0	1474.2	9.9	1953.0	21.0	40.50
11	859.0	0.901048	92400	0.104800	0.001600	3900.0	3800.0	4.273000	0.076000	0.295800	0.005300	0.611640	1669.0	26.0	1685.0	15.0	1704.0	28.0	2.05
12	497.0	0.611670	50300	0.104400	0.001700	3100.0	5800.0	4.064000	0.060000	0.284600	0.005300	0.524550	1617.0	28.0	1647.0	13.0	1695.0	28.0	4.83
13	1580.0	0.949367	154700	0.110890	0.000820	1950.0	380.0	3.830000	0.110000	0.249600	0.007200	0.962680	1433.0	37.0	1588.0	24.0	1812.0	13.0	20.92
14	204.4	1.014188	22790	0.110800	0.001600	350.0	420.0	4.426000	0.073000	0.289000	0.003900	0.616640	1635.0	20.0	1717.0	13.0	1806.0	27.0	9.47
15	1590.0	0.447799	152000	0.138900	0.003200	541.0	78.0	3.650000	0.140000	0.197500	0.009800	0.878550	1150.0	53.0	1531.0	35.0	2185.0	40.0	47.37
16	1042.0	1.139155	94600	0.119500	0.001300	709.0	38.0	3.424000	0.059000	0.208500	0.003700	0.804310	1220.0	20.0	1507.0	13.0	1945.0	19.0	37.28
17	423.0	0.924350	50900	0.106300	0.001100	100.0	1800.0	4.493000	0.067000	0.307000	0.004900	0.760600	1724.0	24.0	1728.0	12.0	1732.0	19.0	0.46
18	897.0	0.779264	92200	0.114200	0.001000	1220.0	190.0	3.852000	0.056000	0.244500	0.004100	0.793330	1408.0	21.0	1600.0	12.0	1863.0	16.0	24.42
19	856.0	1.503505	88800	0.118600	0.001300	1120.0	110.0	4.401000	0.054000	0.270300	0.003400	0.630740	1542.0	17.0	1711.0	10.0	1930.0	19.0	20.10
20	733.0	0.574352	83500	0.106960	0.000990	200.0	3800.0	4.464000	0.060000	0.302800	0.003700	0.710360	1705.0	18.0	1733.0	11.0	1746.0	17.0	2.35
21	773.0	0.870634	84800	0.115100	0.001300	1450.0	330.0	4.588000	0.049000	0.290300	0.003200	0.551740	1644.0	16.0	1746.3	8.9	1880.0	20.0	12.55
22	2016.0	0.688492	193900	0.114400	0.001100	1357.0	91.0	4.075000	0.090000	0.258000	0.005500	0.863470	1478.0	28.0	1644.0	18.0	1870.0	18.0	20.96
23	2670.0	0.459551	212000	0.132700	0.002700	880.0	510.0	3.630000	0.190000	0.207000	0.014000	0.918790	1196.0	74.0	1520.0	43.0	2124.0	37.0	43.69
24	3186.0	0.765851	298400	0.120700	0.001400	956.0	94.0	3.809000	0.078000	0.230800	0.006200	0.903810	1336.0	32.0	1591.0	16.0	1962.0	20.0	31.91
25	3840.0	2.322917	337000	0.179600	0.006100	211.0	17.0	3.792000	0.067000	0.162000	0.007400	0.819400	963.0	41.0	1589.0	14.0	2612.0	55.0	63.13
26	2480.0	0.475806	244000	0.120200	0.001700	935.0	81.0	4.210000	0.100000	0.253200	0.005100	0.844060	1452.0	26.0	1664.0	21.0	1948.0	26.0	25.46
27	1213.0	1.360264	123100	0.108100	0.001000	2800.0	2300.0	4.207000	0.048000	0.283500	0.003400	0.701170	1608.0	17.0	1675.5	9.7	1767.0	18.0	9.00
28	1080.0	0.694444	77100	0.143100	0.002800	406.0	58.0	2.900000	0.110000	0.150900	0.007500	0.919550	900.0	42.0	1359.0	31.0	2249.0	34.0	59.98
29	912.0	0.905702	95300	0.112800	0.001300	1400.0	120.0	3.648000	0.050000	0.235300	0.004100	0.780200	1361.0	22.0	1560.0	11.0	1841.0	21.0	26.07
30	737.0	0.511533	89300	0.105010	0.000970	1800.0	2600.0	4.284000	0.047000	0.297100	0.003400	0.682660	1678.0	18.0	1688.5	9.1	1710.0	17.0	1.87
31	268.6	0.932241	320000	0.483000	0.016000	34.2	1.1	46.900000	2.800000	0.706000	0.035000	0.742470	3430.0	130.0	3907.0	55.0	4177.0	49.0	17.88
32	1172.0	1.013652	147000	0.118400	0.001800	962.0	72.0	4.437000	0.081000	0.272300	0.004500	0.603960	1552.0	23.0	1717.0	15.0	1931.0	29.0	19.63
33	1320.0	0.315152	121800	0.115900	0.001900	1140.0	180.0	3.390000	0.110000	0.214900	0.008500	0.932970	1250.0	45.0	1492.0	26.0	1884.0	28.0	33.65



Sample 36 (continued)

Anal- ysis	Isotopic ratios										Apparent isotopic dates [Ma]									
	U [ppm]	Tb/U	<sup>207</sup> Pb [CPS]	<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>208</sup> Pb	<sup>206</sup> Pb/ <sup>208</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	Discord- ance [%]							
				2	2	2	2	2	2	2	2	2	2							
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.							
34	522.0	1.431034	67400	0.113200	0.001500	2100.0	1100.0	4.121000	0.047000	0.264600	0.003900	0.548920	1512.0	20.0	1657.1	9.4	1845.0	23.0	18.05	
35	939.0	1.128860	105200	0.123200	0.001200	722.0	40.0	3.825000	0.055000	0.226100	0.003700	0.784700	1313.0	20.0	1595.0	12.0	1998.0	18.0	34.28	
<b>36</b>	<b>303.9</b>	<b>0.715038</b>	<b>37380</b>	<b>0.103800</b>	<b>0.001000</b>	<b>-110.0</b>	<b>670.0</b>	<b>4.233000</b>	<b>0.052000</b>	<b>0.296500</b>	<b>0.003600</b>	<b>0.659090</b>	<b>1673.0</b>	<b>18.0</b>	<b>1681.8</b>	<b>9.4</b>	<b>1690.0</b>	<b>19.0</b>	<b>1.01</b>	
37	1194.0	0.700168	122300	0.110900	0.001400	2800.0	500.0	4.439000	0.064000	0.290100	0.003900	0.603520	1641.0	19.0	1718.0	12.0	1810.0	23.0	9.34	
<b>38</b>	<b>348.4</b>	<b>0.502870</b>	<b>34950</b>	<b>0.105200</b>	<b>0.001300</b>	<b>-800.0</b>	<b>1200.0</b>	<b>4.122000</b>	<b>0.061000</b>	<b>0.284200</b>	<b>0.004600</b>	<b>0.721720</b>	<b>1611.0</b>	<b>23.0</b>	<b>1659.0</b>	<b>11.0</b>	<b>1711.0</b>	<b>22.0</b>	<b>5.84</b>	
39	835.0	0.632335	94300	0.111200	0.001000	2460.0	430.0	4.257000	0.068000	0.276800	0.003800	0.823300	1575.0	19.0	1684.0	13.0	1819.0	16.0	13.41	
40	512.0	0.621094	57200	0.107000	0.001200	1400.0	2400.0	4.412000	0.054000	0.297700	0.003900	0.552710	1678.0	19.0	1713.0	10.0	1746.0	20.0	3.89	
41	516.0	0.856589	55300	0.105400	0.001000	-1400.0	2100.0	4.299000	0.066000	0.295900	0.004500	0.734240	1669.0	22.0	1689.0	12.0	1724.0	18.0	3.19	
42	2830.0	1.035336	246100	0.160800	0.003100	226.0	11.0	3.886000	0.091000	0.176100	0.004400	0.676640	1044.0	24.0	1604.0	20.0	2451.0	33.0	57.41	
43	776.0	1.170103	91200	0.113430	0.000910	1690.0	280.0	4.402000	0.056000	0.280900	0.004300	0.837450	1597.0	21.0	1711.0	11.0	1852.0	15.0	13.77	
<b>44</b>	<b>380.3</b>	<b>0.600316</b>	<b>41840</b>	<b>0.104700</b>	<b>0.001100</b>	<b>790.0</b>	<b>920.0</b>	<b>4.372000</b>	<b>0.064000</b>	<b>0.302300</b>	<b>0.004500</b>	<b>0.721280</b>	<b>1701.0</b>	<b>22.0</b>	<b>1705.0</b>	<b>12.0</b>	<b>1708.0</b>	<b>21.0</b>	<b>0.41</b>	
45	593.0	1.040472	54100	0.114400	0.002000	1500.0	370.0	3.749000	0.079000	0.239100	0.005800	0.726830	1381.0	30.0	1579.0	17.0	1864.0	31.0	25.91	
46	461.0	0.832972	52100	0.111400	0.001500	1380.0	900.0	4.307000	0.081000	0.281300	0.004900	0.706650	1597.0	25.0	1692.0	16.0	1817.0	26.0	12.11	
47	1998.0	0.667167	130300	0.157800	0.002700	213.5	8.5	2.527000	0.079000	0.116300	0.002800	0.826560	708.0	16.0	1273.0	22.0	2427.0	29.0	70.83	
48	517.0	0.711799	60800	0.118200	0.001500	1490.0	280.0	4.496000	0.069000	0.278100	0.004800	0.628630	1580.0	24.0	1729.0	13.0	1927.0	23.0	18.01	
49	1255.0	0.498805	135100	0.121500	0.002100	1010.0	150.0	4.314000	0.075000	0.260100	0.005300	0.633160	1488.0	27.0	1693.0	14.0	1969.0	30.0	24.43	
<b>50</b>	<b>1567.0</b>	<b>0.613912</b>	<b>184500</b>	<b>0.108800</b>	<b>0.001100</b>	<b>5700.0</b>	<b>3600.0</b>	<b>4.495000</b>	<b>0.061000</b>	<b>0.301700</b>	<b>0.004200</b>	<b>0.686010</b>	<b>1698.0</b>	<b>21.0</b>	<b>1727.0</b>	<b>11.0</b>	<b>1774.0</b>	<b>19.0</b>	<b>4.28</b>	
51	1640.0	0.404268	155000	0.126500	0.001400	540.0	30.0	4.249000	0.092000	0.244100	0.005400	0.854180	1408.0	28.0	1678.0	18.0	2044.0	20.0	31.12	
<b>52</b>	<b>383.0</b>	<b>0.498695</b>	<b>43000</b>	<b>0.106300</b>	<b>0.001200</b>	<b>700.0</b>	<b>1200.0</b>	<b>4.157000</b>	<b>0.053000</b>	<b>0.283800</b>	<b>0.003400</b>	<b>0.647300</b>	<b>1609.0</b>	<b>17.0</b>	<b>1663.0</b>	<b>10.0</b>	<b>1733.0</b>	<b>19.0</b>	<b>7.16</b>	

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 54

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]										Discord- ance [%]
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35		Age <sup>206</sup> Pb/ <sup>238</sup> U		Age <sup>207</sup> Pb/ <sup>235</sup> U		Age <sup>207</sup> Pb/ <sup>206</sup> Pb				
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.			
1	8.5	8.225617	14720	0.659000	0.011000	26.9	3.100000	0.831000	0.028000	0.922420	3864.0	96.0	4380.0	40.0	4642.0	27.0	16.76	
2	549.0	0.901639	57300	0.106300	0.000870	1510.0	0.049000	0.294600	0.003200	0.720860	1664.0	16.0	1696.6	9.7	1733.0	15.0	3.98	
3	501.5	0.942971	51530	0.104270	0.000830	1200.0	0.041000	0.292000	0.003000	0.663120	1651.0	15.0	1671.3	8.1	1698.0	15.0	2.77	
4	94.3	3.870626	11780	0.127500	0.002500	350.0	0.110000	0.288500	0.003600	0.419830	1633.0	18.0	1825.0	18.0	2048.0	34.0	20.26	
5	349.2	0.694444	84400	0.210700	0.008500	218.0	0.530000	0.333100	0.005900	0.874750	1850.0	28.0	2363.0	52.0	2823.0	71.0	34.47	
6	250.4	0.671326	26180	0.105100	0.000960	-720.0	0.051000	0.296000	0.003100	0.639870	1670.0	15.0	1687.5	9.9	1715.0	18.0	2.62	
7	504.8	0.780507	52320	0.105150	0.000900	1430.0	0.045000	0.295500	0.003600	0.681040	1668.0	18.0	1688.3	8.8	1717.0	16.0	2.85	
8	424.0	0.797170	45400	0.104470	0.000830	1100.0	0.049000	0.308000	0.003400	0.735390	1730.0	17.0	1714.4	9.3	1703.0	15.0	-1.59	
9	302.0	0.590728	44840	0.136100	0.001600	497.0	0.096000	0.329800	0.003500	0.644550	1836.0	17.0	1998.0	13.0	2171.0	20.0	15.43	
10	448.0	0.469196	46900	0.104890	0.000910	-190.0	0.039000	0.292200	0.003000	0.640130	1651.0	15.0	1674.5	7.9	1710.0	16.0	3.45	
11	361.9	0.983697	39000	0.105060	0.000980	1500.0	0.046000	0.291100	0.002900	0.609220	1646.0	14.0	1673.9	8.7	1712.0	17.0	3.86	
12	395.1	0.584662	44490	0.110000	0.001100	1090.0	0.055000	0.294900	0.002500	0.513860	1665.0	12.0	1722.0	10.0	1795.0	19.0	7.24	
13	524.0	0.673664	57100	0.108600	0.001000	1870.0	0.047000	0.293800	0.003300	0.631170	1660.0	16.0	1704.0	9.0	1771.0	17.0	6.27	
14	171.8	0.896391	19300	0.104600	0.001500	-600.0	0.075000	0.291600	0.004100	0.652800	1649.0	20.0	1667.0	15.0	1701.0	26.0	3.06	
15	432.2	0.863952	45560	0.103650	0.000930	7500.0	0.046000	0.300200	0.003200	0.630660	1692.0	16.0	1687.0	8.8	1687.0	17.0	-0.30	
16	630.0	0.579365	67700	0.105270	0.000710	5200.0	0.042000	0.295300	0.002800	0.717670	1667.0	14.0	1686.8	8.2	1719.0	13.0	3.03	
17	20.1	5.151968	19850	0.520900	0.008000	33.5	0.880000	0.580000	0.011000	0.724050	2944.0	45.0	3797.0	21.0	4296.0	22.0	31.47	
18	238.5	0.910273	26260	0.103940	0.000950	-220.0	0.044000	0.305300	0.002900	0.565050	1717.0	14.0	1704.2	7.9	1691.0	17.0	-1.54	
19	1053.0	1.253561	169000	0.182900	0.004600	198.2	0.150000	0.276900	0.005500	0.285780	1573.0	27.0	2088.0	19.0	2651.0	39.0	40.66	
20	292.9	0.574257	30690	0.107800	0.001000	1700.0	0.049000	0.299600	0.002800	0.600650	1689.0	14.0	1716.5	9.3	1759.0	17.0	3.98	
21	388.0	0.626289	39000	0.110100	0.001000	800.0	0.054000	0.299000	0.003400	0.700840	1685.0	17.0	1732.0	9.8	1796.0	17.0	6.18	
22	533.0	0.559850	52700	0.106290	0.000810	-4300.0	0.048000	0.297300	0.003500	0.768700	1677.0	17.0	1701.7	9.0	1735.0	14.0	3.34	
23	529.8	0.732352	51620	0.106100	0.001300	2200.0	0.057000	0.303000	0.004300	0.614430	1705.0	21.0	1717.0	11.0	1731.0	22.0	1.50	
24	272.6	0.581805	26120	0.105800	0.001100	13500.0	0.044000	0.288700	0.002700	0.513680	1636.0	14.0	1670.2	8.6	1722.0	19.0	4.99	
25	290.0	0.984138	34300	0.122300	0.001600	880.0	0.094000	0.308300	0.005000	0.728640	1731.0	25.0	1847.0	15.0	1984.0	22.0	12.75	
26	366.0	0.720219	36720	0.105980	0.000950	200.0	0.043000	0.301600	0.002800	0.569870	1699.0	14.0	1711.3	8.1	1727.0	16.0	1.62	
27	404.1	0.880970	40520	0.105960	0.000960	500.0	0.046000	0.295500	0.003400	0.631790	1668.0	17.0	1694.2	8.7	1728.0	17.0	3.47	
28	2370.0	0.881857	272000	0.113200	0.001100	2370.0	0.051000	0.282900	0.004800	0.833530	1604.0	24.0	1710.7	9.7	1848.0	17.0	13.20	
29	511.0	0.647750	52400	0.109000	0.001200	1900.0	0.061000	0.281600	0.003700	0.623860	1599.0	18.0	1682.0	12.0	1779.0	21.0	10.12	
30	258.5	0.853385	30070	0.106300	0.001000	2000.0	0.045000	0.307000	0.003100	0.507410	1725.0	15.0	1731.8	8.3	1734.0	18.0	0.52	
31	255.0	0.510980	29440	0.106380	0.000960	420.0	0.048000	0.311000	0.002900	0.529850	1745.0	14.0	1743.8	8.9	1734.0	16.0	-0.63	
32	288.2	0.936849	38920	0.129700	0.002200	930.0	0.100000	0.306500	0.003100	0.477860	1723.0	15.0	1895.0	16.0	2084.0	29.0	17.32	
33	244.8	0.566176	26880	0.104550	0.000940	-100.0	0.052000	0.304300	0.003000	0.644020	1712.0	15.0	1710.6	9.7	1707.0	17.0	-0.29	

Sample 54 (continued)

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]				Discord- ance [%]							
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2								
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.								
34	194.0	0.829897	19700	0.105400	0.001800	3700.0	3400.0	4.358000	0.085000	0.297300	0.005500	0.608220	1677.0	27.0	1701.0	16.0	1719.0	32.0	2.44
35	525.4	1.022078	57480	0.104800	0.000790	-1100.0	1400.0	4.360000	0.037000	0.299700	0.002500	0.609800	1691.0	13.0	1703.5	7.1	1709.0	14.0	1.05
36	448.0	0.662946	51900	0.107840	0.000980	1400.0	1200.0	4.626000	0.074000	0.311100	0.004000	0.831280	1745.0	19.0	1751.0	13.0	1761.0	16.0	0.91
37	568.0	0.679577	51720	0.106900	0.001100	11300.0	8700.0	4.390000	0.051000	0.297500	0.003600	0.625180	1678.0	18.0	1709.0	9.7	1743.0	19.0	3.73
38	24.7	4.611336	7010	0.313000	0.016000	94.0	29.0	16.700000	1.400000	0.365000	0.014000	0.902840	1999.0	67.0	2788.0	82.0	3422.0	83.0	41.58
39	526.0	0.577947	47300	0.104280	0.000890	-20000.0	11000.0	4.316000	0.050000	0.299000	0.003400	0.691650	1686.0	17.0	1694.5	9.5	1698.0	16.0	0.71
40	1015.0	0.964532	118900	0.137300	0.002800	595.0	58.0	5.430000	0.140000	0.285600	0.003200	0.688480	1618.0	16.0	1881.0	21.0	2173.0	34.0	25.54
41	282.9	1.078826	27700	0.122300	0.001900	910.0	350.0	4.748000	0.086000	0.280300	0.003600	0.509380	1592.0	18.0	1772.0	15.0	1981.0	28.0	19.64
42	261.0	0.558238	23780	0.104790	0.000930	-880.0	830.0	4.183000	0.044000	0.287900	0.002900	0.693630	1630.0	14.0	1668.9	8.5	1708.0	16.0	4.57
43	12.8	4.196078	4770	0.341900	0.008200	50.0	16.0	17.680000	0.620000	0.375000	0.011000	0.740550	2036.0	52.0	2947.0	35.0	3650.0	37.0	44.22
44	280.9	0.591670	26360	0.104810	0.000950	900.0	1500.0	4.321000	0.047000	0.297600	0.003300	0.195310	1682.0	17.0	1695.2	9.0	1706.0	17.0	1.41
45	262.6	0.961919	25210	0.105200	0.001000	-45000.0	28000.0	4.401000	0.050000	0.302100	0.002900	0.586630	1702.0	14.0	1711.2	9.6	1712.0	17.0	0.58
46	567.0	0.760141	57100	0.106400	0.000770	-3300.0	4700.0	4.225000	0.042000	0.288200	0.002500	0.692270	1632.0	13.0	1677.3	8.0	1736.0	13.0	5.99
47	302.0	0.472848	29950	0.105140	0.000900	5100.0	3100.0	4.234000	0.041000	0.291900	0.002400	0.619670	1650.0	12.0	1679.9	8.2	1713.0	16.0	3.68
48	204.8	1.020508	20590	0.109800	0.001000	20.0	700.0	4.357000	0.051000	0.286900	0.002600	0.638840	1625.0	13.0	1701.8	9.7	1792.0	17.0	9.32
49	539.5	0.798517	57000	0.106820	0.000770	-3000.0	2500.0	4.429000	0.049000	0.301700	0.003400	0.743800	1699.0	17.0	1715.6	9.2	1743.0	13.0	2.52
50	317.0	0.958991	32400	0.106590	0.000880	-210.0	990.0	4.260000	0.046000	0.289900	0.002900	0.662980	1640.0	15.0	1683.6	8.7	1738.0	15.0	5.64
51	421.2	0.715812	41200	0.105860	0.000820	-3400000.0	2400000.0	4.132000	0.036000	0.282000	0.002400	0.594110	1601.0	12.0	1659.3	7.0	1729.0	14.0	7.40
52	412.0	0.819417	38300	0.111900	0.001700	200.0	1400.0	4.620000	0.091000	0.275000	0.004700	0.727720	1569.0	23.0	1683.0	18.0	1824.0	27.0	13.98
53	203.0	0.596059	22000	0.114300	0.001200	650.0	400.0	4.805000	0.066000	0.304500	0.003300	0.683710	1713.0	17.0	1782.0	12.0	1864.0	19.0	8.10
54	7.6	4.456094	3720	0.387000	0.010000	50.0	19.0	22.630000	0.820000	0.423000	0.013000	0.739240	2285.0	60.0	3192.0	33.0	3840.0	40.0	40.49

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 55

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]										Discord- ance [%]	
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35		Age <sup>206</sup> Pb/ <sup>238</sup> U		Age <sup>207</sup> Pb/ <sup>235</sup> U		Age <sup>207</sup> Pb/ <sup>206</sup> Pb					
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.				
1	231.1	0.546949	51700	0.109200	0.001800	940.0	730.0	3.850000	0.110000	0.255200	0.007000	0.797170	1463.0	36.0	1598.0	22.0	1781.0	31.0	17.86
2	329.0	0.491489	91400	0.104760	0.000870	17000.0	14000.0	4.273000	0.073000	0.297400	0.005900	0.900200	1676.0	29.0	1684.0	14.0	1707.0	15.0	1.82
3	342.0	0.394737	76300	0.104770	0.001000	-200.0	2300.0	3.914000	0.085000	0.271100	0.006500	0.912630	1545.0	33.0	1614.0	18.0	1707.0	18.0	9.49
4	644.0	1.381988	148000	0.109400	0.001300	2590.0	710.0	4.120000	0.110000	0.273200	0.008200	0.907020	1555.0	41.0	1654.0	22.0	1791.0	23.0	13.18
5	82.2	0.569343	19340	0.105900	0.001500	180.0	530.0	4.030000	0.090000	0.276900	0.007200	0.841310	1573.0	36.0	1637.0	18.0	1726.0	26.0	8.86
6	166.8	0.637890	38200	0.105600	0.001400	1070.0	790.0	3.950000	0.100000	0.271000	0.007300	0.838560	1544.0	37.0	1620.0	21.0	1721.0	25.0	10.28
7	51.9	0.710983	11100	0.106900	0.002400	-50.0	460.0	3.810000	0.110000	0.259200	0.006300	0.571060	1484.0	32.0	1589.0	23.0	1733.0	42.0	14.37
8	108.8	0.694853	26300	0.104800	0.001400	-400.0	1300.0	4.105000	0.097000	0.284600	0.007000	0.840200	1612.0	35.0	1651.0	19.0	1706.0	25.0	5.51
9	0.1	0.679245	32	0.246000	0.060000	23.0	17.0	15.400000	3.000000	0.509000	0.098000	-0.029827	2610.0	400.0	2770.0	220.0	2900.0	500.0	10.00
10	82.0	0.256098	9200	0.250000	0.120000	94.0	60.0	2.370000	0.720000	0.110000	0.038000	0.529210	660.0	220.0	1150.0	220.0	2630.0	700.0	74.90
11	69.1	0.410999	17700	0.105800	0.002000	50.0	750.0	4.210000	0.140000	0.287800	0.006800	0.827840	1629.0	34.0	1668.0	28.0	1719.0	36.0	5.24
12	0.0	0.914286	44	0.560000	0.540000	46.0	54.0	32.000000	25.000000	0.460000	0.130000	0.020937	2400.0	600.0	3160.0	680.0	4000.0	1400.0	40.00
13	0.1	0.202985	32	0.510000	0.140000	-70.0	170.0	34.500000	9.200000	0.520000	0.130000	0.367980	2630.0	540.0	3520.0	350.0	4150.0	410.0	36.63
14	260.0	0.869231	63700	0.115400	0.003400	3400.0	1900.0	4.610000	0.370000	0.291000	0.026000	0.944400	1640.0	130.0	1740.0	66.0	1881.0	54.0	12.81
15	218.5	0.651716	50800	0.107700	0.002500	500.0	3600.0	4.220000	0.240000	0.284000	0.014000	0.888600	1610.0	70.0	1674.0	46.0	1758.0	41.0	8.42
16	0.3	0.262069	300	0.400000	0.110000	30.0	28.0	31.000000	16.000000	0.520000	0.170000	0.892340	2540.0	720.0	3270.0	540.0	3710.0	400.0	31.54
17	0.0	1.769231	90	0.600000	0.130000	9.0	11.0	51.000000	18.000000	0.680000	0.240000	0.677730	3130.0	810.0	3730.0	430.0	4410.0	360.0	29.02
18	0.1	0.042574	14	0.490000	0.150000	-9.0	53.0	9.500000	6.800000	0.123000	0.073000	0.959670	730.0	420.0	1950.0	830.0	4050.0	660.0	81.98
19	0.2	0.721739	87	0.320000	0.150000	100.0	130.0	19.000000	10.000000	0.426000	0.077000	0.386390	2260.0	350.0	2770.0	450.0	3160.0	640.0	28.48
20	0.6	0.842105	210	0.249000	0.097000	330.0	730.0	12.000000	4.300000	0.377000	0.072000	0.368440	2030.0	340.0	2390.0	330.0	2750.0	520.0	26.18
21	64.4	0.782609	14150	0.106400	0.002100	40.0	510.0	3.910000	0.130000	0.267000	0.008500	0.812060	1523.0	43.0	1608.0	28.0	1731.0	36.0	12.02
22	246.2	0.682372	56900	0.104200	0.001300	-600.0	1700.0	4.150000	0.110000	0.290600	0.008300	0.874260	1650.0	39.0	1661.0	22.0	1698.0	23.0	2.83
23	1.0	0.373737	1140	0.219000	0.043000	-180.0	280.0	31.000000	13.000000	1.090000	0.440000	0.847510	4500.0	1200.0	3390.0	330.0	2890.0	330.0	-55.71
24	529.0	0.988658	131000	0.109400	0.002500	2200.0	1900.0	4.860000	0.250000	0.323000	0.017000	0.892680	1802.0	85.0	1791.0	44.0	1786.0	42.0	-0.90
25	57.0	0.578947	19000	0.193000	0.050000	0.0	320.0	9.500000	3.900000	0.341000	0.073000	0.764040	1870.0	350.0	2270.0	340.0	2680.0	340.0	30.22
26	233.0	0.506009	57800	0.107300	0.003100	1300.0	1700.0	4.770000	0.240000	0.323000	0.016000	0.835530	1802.0	77.0	1773.0	41.0	1748.0	53.0	-3.09
27	180.7	0.955174	43840	0.104600	0.001200	300.0	1800.0	4.182000	0.079000	0.290100	0.006000	0.833460	1641.0	30.0	1668.0	16.0	1704.0	20.0	3.70
28	190.0	0.484211	31000	0.121000	0.016000	770.0	610.0	3.820000	0.700000	0.229000	0.026000	0.667180	1330.0	140.0	1580.0	130.0	1940.0	220.0	31.44
29	417.0	1.115108	89100	0.109200	0.001400	2090.0	870.0	3.434000	0.069000	0.229300	0.006100	0.930470	1328.0	32.0	1508.0	16.0	1781.0	23.0	25.44
30	215.3	0.698096	53800	0.105390	0.000920	-900.0	1300.0	3.883000	0.066000	0.267000	0.004900	0.868200	1524.0	25.0	1608.0	13.0	1718.0	16.0	11.29
31	300.0	0.561000	71400	0.106700	0.002300	1500.0	3400.0	4.330000	0.150000	0.295000	0.011000	0.830540	1664.0	57.0	1696.0	30.0	1740.0	40.0	4.37
32	59.8	0.767559	17290	0.108200	0.001400	320.0	350.0	4.750000	0.120000	0.318000	0.007600	0.857880	1776.0	38.0	1769.0	22.0	1770.0	24.0	-0.34
33	653.0	1.128637	83300	0.125800	0.003600	730.0	190.0	2.360000	0.190000	0.145000	0.015000	0.979140	857.0	82.0	1207.0	50.0	2019.0	51.0	57.55

Sample 55 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]										Discord-ance [%]		
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	2 S.E.	2 S.E.	Age <sup>207</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.	2 S.E.	2 S.E.			
34	169.0	1.005917	39000	0.104200	0.001000	700.0	3.868000	0.089000	0.269100	0.006400	0.908530	1534.0	33.0	1602.0	19.0	1700.0	19.0	9.76
35	129.3	0.584687	28320	0.104400	0.002500	800.0	4.060000	0.150000	0.281800	0.007600	0.757550	1600.0	38.0	1643.0	29.0	1700.0	43.0	5.88
36	93.5	0.762567	23780	0.113400	0.002200	600.0	4.290000	0.120000	0.274200	0.008300	0.734890	1559.0	42.0	1690.0	22.0	1847.0	34.0	15.59
37	273.3	0.632272	74200	0.107200	0.001200	2800.0	4.291000	0.091000	0.291200	0.007000	0.893190	1646.0	35.0	1689.0	17.0	1750.0	20.0	5.94
38	78.0	0.653846	20000	0.141000	0.024000	500.0	7.100000	2.800000	0.360000	0.120000	0.908130	1960.0	59.0	2020.0	37.0	2200.0	29.0	10.91
39	105.0	0.685714	27700	0.116000	0.013000	-4300.0	5.330000	0.980000	0.330000	0.039000	0.807310	1830.0	19.0	1850.0	15.0	1870.0	18.0	2.14
40	128.1	0.737705	33040	0.105900	0.001600	50.0	4.320000	0.110000	0.296600	0.007500	0.736950	1673.0	37.0	1697.0	22.0	1726.0	27.0	3.07
41	252.1	0.579532	66700	0.104300	0.001100	400.0	4.155000	0.076000	0.289800	0.006000	0.855070	1639.0	30.0	1663.0	15.0	1699.0	20.0	3.53
42	2.6	0.403846	1590	0.340000	0.110000	60.0	15.600000	4.100000	0.390000	0.150000	0.672810	2020.0	68.0	2730.0	40.0	3480.0	46.0	41.95
43	159.0	0.628931	43000	0.131000	0.020000	1600.0	5.110000	0.700000	0.286000	0.021000	0.173510	1620.0	100.0	1820.0	100.0	2050.0	22.0	20.98
44	82.6	0.624697	20360	0.107100	0.001400	40.0	4.040000	0.110000	0.274300	0.006900	0.864190	1561.0	35.0	1639.0	21.0	1752.0	22.0	10.90
45	147.0	0.700680	37000	0.118000	0.019000	200.0	4.700000	1.100000	0.284000	0.038000	0.630650	1610.0	20.0	1720.0	18.0	1870.0	23.0	13.90
46	30.0	0.416667	7800	0.200000	0.056000	330.0	6.900000	2.000000	0.278000	0.083000	0.603800	1550.0	43.0	2010.0	34.0	2690.0	43.0	42.38
47	0.1	0.330986	120	0.350000	0.170000	22.0	23.000000	13.000000	0.500000	0.210000	0.543030	2520.0	77.0	2970.0	48.0	3370.0	69.0	25.22
48	419.0	0.288783	122400	0.144000	0.011000	394.0	5.040000	0.390000	0.256000	0.016000	0.404170	1468.0	82.0	1816.0	65.0	2250.0	12.0	34.76
49	217.6	0.514246	57700	0.103500	0.001300	700.0	4.240000	0.100000	0.297600	0.007700	0.873140	1678.0	38.0	1678.0	20.0	1685.0	23.0	0.42
50	217.0	0.391705	58000	0.103300	0.001400	-2900.0	4.240000	0.120000	0.298500	0.008400	0.875210	1681.0	42.0	1677.0	23.0	1681.0	25.0	0.00
51	390.0	0.438462	120400	0.104440	0.000770	700.0	4.682000	0.084000	0.325500	0.006000	0.932360	1814.0	29.0	1760.0	15.0	1702.0	13.0	-6.58
52	207.8	0.843118	56700	0.104100	0.001100	-100.0	4.103000	0.079000	0.286400	0.005800	0.861180	1622.0	29.0	1652.0	16.0	1696.0	19.0	4.36
53	163.6	0.619804	43400	0.106500	0.001300	300.0	4.062000	0.073000	0.278900	0.004900	0.806900	1585.0	25.0	1647.0	15.0	1737.0	22.0	8.75
54	127.0	0.748031	33500	0.115800	0.005700	3500.0	4.840000	0.570000	0.302000	0.024000	0.939480	1700.0	120.0	1783.0	95.0	1887.0	91.0	9.91

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 57

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]						Discord- ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>238</sup> U	<sup>206</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>206</sup> Pb				
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	
1	430.1	0.674029	123800	0.114100	0.001100	1470.0	0.043000	0.285600	0.002900	0.565550	1619.0	14.0	1731.3	7.9	1862.0	18.0	13.05
2	541.0	0.574861	138600	0.132100	0.001400	521.0	0.041000	0.226300	0.003300	0.754920	1314.0	18.0	1656.5	8.3	2120.0	18.0	38.02
3	531.0	0.787194	123600	0.110650	0.000780	2570.0	0.036000	0.237200	0.002700	0.797890	1372.0	14.0	1555.7	7.9	1808.0	13.0	24.12
4	324.0	0.495062	87400	0.110210	0.000850	1970.0	0.041000	0.275500	0.002600	0.881220	1568.0	13.0	1674.8	8.1	1800.0	14.0	12.89
5	1543.0	0.821776	437000	0.139400	0.001500	382.0	0.059000	0.232200	0.002600	0.576450	1347.0	14.0	1722.0	11.0	2219.0	19.0	39.30
6	475.0	0.682105	119500	0.106230	0.000820	2900.0	0.043000	0.277700	0.003000	0.741950	1579.0	15.0	1647.5	8.7	1733.0	14.0	8.89
7	598.0	0.710702	150600	0.111190	0.000850	2850.0	0.043000	0.265000	0.003700	0.809830	1515.0	19.0	1640.5	9.1	1816.0	14.0	16.57
8	1014.0	0.607495	286800	0.106230	0.000730	-90000.0	0.038000	0.291900	0.002300	0.643750	1652.0	12.0	1694.6	7.2	1736.0	12.0	4.84
9	752.0	0.687500	196700	0.112700	0.001000	2280.0	0.038000	0.266500	0.002700	0.550910	1522.0	14.0	1660.8	7.5	1840.0	16.0	17.28
10	199.9	0.718359	44510	0.104100	0.001100	-2800.0	0.046000	0.287400	0.003300	0.568070	1628.0	16.0	1655.3	9.1	1692.0	20.0	3.78
11	352.0	0.713068	80400	0.110100	0.001200	1500.0	0.054000	0.269100	0.003100	0.571200	1536.0	16.0	1654.0	11.0	1803.0	21.0	14.81
12	473.0	0.898520	109800	0.105200	0.001000	2800.0	0.047000	0.293000	0.003700	0.615390	1655.0	18.0	1679.8	8.9	1712.0	18.0	3.33
13	568.0	0.829225	128400	0.105920	0.000970	3400.0	0.041000	0.284300	0.003100	0.579380	1612.0	16.0	1668.1	8.1	1732.0	17.0	6.93
14	382.0	1.468586	84000	0.115700	0.001500	1720.0	0.046000	0.259900	0.004000	0.478810	1488.0	20.0	1657.7	9.1	1883.0	24.0	20.98
15	411.0	0.922141	92100	0.105130	0.000990	1100.0	0.042000	0.287100	0.003300	0.654350	1626.0	16.0	1660.6	8.4	1712.0	17.0	5.02
16	432.8	0.778651	92500	0.108800	0.001200	1400.0	0.051000	0.262500	0.003300	0.873470	1502.0	17.0	1618.0	11.0	1777.0	19.0	15.48
17	314.0	1.028662	81800	0.117300	0.001700	1250.0	0.063000	0.295200	0.002800	0.112710	1667.0	14.0	1776.0	12.0	1911.0	25.0	12.77
18	405.0	0.706173	80600	0.107600	0.001500	900.0	0.079000	0.246000	0.006000	0.833690	1417.0	31.0	1559.0	17.0	1755.0	25.0	19.26
19	319.3	0.764172	71700	0.105900	0.001200	2400.0	0.047000	0.283300	0.003500	0.620120	1607.0	18.0	1664.3	9.6	1725.0	20.0	6.84
20	559.0	0.841682	121200	0.108400	0.002000	3900.0	0.075000	0.282800	0.005400	0.506930	1604.0	27.0	1676.0	15.0	1769.0	35.0	9.33
21	388.4	0.670958	81900	0.104100	0.001100	1100.0	0.051000	0.287200	0.004100	0.597190	1626.0	20.0	1653.0	10.0	1697.0	20.0	4.18
22	913.0	0.441402	130000	0.110300	0.001900	1420.0	0.100000	0.184900	0.006800	0.890580	1090.0	36.0	1342.0	28.0	1793.0	29.0	39.21
23	1007.0	0.632572	213000	0.110700	0.001600	1950.0	0.058000	0.280400	0.004600	0.516140	1592.0	23.0	1678.0	11.0	1806.0	27.0	11.85
24	1140.0	0.957018	239700	0.107900	0.001500	4210.0	0.066000	0.274500	0.003900	0.590340	1563.0	20.0	1646.0	12.0	1760.0	25.0	11.19
25	507.0	0.743393	100400	0.105800	0.001600	2800.0	0.056000	0.254200	0.004700	0.567720	1459.0	24.0	1573.0	12.0	1728.0	27.0	15.57
26	721.0	0.638003	160700	0.143700	0.002900	381.0	0.120000	0.226500	0.005000	0.682350	1314.0	26.0	1715.0	22.0	2257.0	34.0	41.78
27	330.4	0.510896	74800	0.108700	0.001500	1400.0	0.060000	0.298600	0.004100	0.224950	1684.0	20.0	1719.0	11.0	1773.0	26.0	5.02
28	554.0	0.617329	124300	0.106100	0.001000	2800.0	0.048000	0.283100	0.003300	0.661880	1606.0	17.0	1660.3	9.3	1734.0	17.0	7.38
29	449.9	0.857968	96600	0.107500	0.001400	2000.0	0.059000	0.274600	0.003900	0.660950	1566.0	20.0	1641.0	12.0	1752.0	24.0	10.62
30	737.0	0.694708	173200	0.127600	0.001400	540.0	0.100000	0.265200	0.005100	0.870010	1515.0	26.0	1750.0	18.0	2060.0	19.0	26.46
31	341.5	0.978038	91500	0.126300	0.003700	1070.0	0.170000	0.286400	0.003600	0.470230	1622.0	18.0	1799.0	27.0	2011.0	49.0	19.34
32	556.0	0.553957	118900	0.105300	0.001400	-400.0	0.047000	0.281400	0.004400	0.619760	1597.0	22.0	1642.0	12.0	1714.0	24.0	6.83
33	724.0	1.337017	144900	0.113500	0.002000	1910.0	0.067000	0.247400	0.004500	0.547000	1424.0	23.0	1592.0	14.0	1847.0	31.0	22.90

Sample 57 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]										Discord-ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	2	<sup>207</sup> Pb/ <sup>235</sup> U	2	<sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>235</sup> U	2	Age <sup>207</sup> Pb/ <sup>206</sup> Pb		2		
34	582.0	0.549828	127100	0.108100	0.001300	38000.0	13000.0	3.970000	0.051000	0.266700	0.004200	0.576630	1523.0	21.0	1627.0	11.0	1764.0	23.0	13.66
35	193.9	0.733368	43870	0.111200	0.003000	450.0	990.0	4.340000	0.130000	0.288100	0.007900	0.596050	1630.0	40.0	1694.0	24.0	1811.0	47.0	9.99
36	1146.0	0.513962	161900	0.112200	0.001700	1920.0	240.0	2.850000	0.110000	0.187600	0.008000	0.936450	1104.0	44.0	1355.0	30.0	1827.0	27.0	39.57
37	921.0	0.970684	165800	0.110600	0.001400	2250.0	180.0	3.903000	0.055000	0.258200	0.004600	0.740940	1479.0	23.0	1612.0	11.0	1805.0	24.0	18.06
38	650.0	0.843077	125400	0.107900	0.001300	3320.0	950.0	4.100000	0.044000	0.274800	0.003700	0.482210	1564.0	19.0	1652.7	8.7	1757.0	22.0	10.98
<b>39</b>	<b>465.4</b>	<b>1.042114</b>	<b>91600</b>	<b>0.107400</b>	<b>0.001400</b>	<b>3800.0</b>	<b>3700.0</b>	<b>4.087000</b>	<b>0.059000</b>	<b>0.275400</b>	<b>0.004400</b>	<b>0.657070</b>	<b>1567.0</b>	<b>22.0</b>	<b>1651.0</b>	<b>12.0</b>	<b>1755.0</b>	<b>23.0</b>	<b>10.71</b>
40	600.0	1.286667	115900	0.109800	0.001700	2200.0	1400.0	4.167000	0.070000	0.278500	0.005600	0.659390	1582.0	28.0	1665.0	14.0	1796.0	28.0	11.92
<b>41</b>	<b>359.0</b>	<b>0.908078</b>	<b>72200</b>	<b>0.106600</b>	<b>0.001800</b>	<b>1300.0</b>	<b>2500.0</b>	<b>4.319000</b>	<b>0.073000</b>	<b>0.296800</b>	<b>0.005900</b>	<b>0.605510</b>	<b>1672.0</b>	<b>29.0</b>	<b>1693.0</b>	<b>14.0</b>	<b>1732.0</b>	<b>30.0</b>	<b>3.46</b>
<b>42</b>	<b>550.0</b>	<b>0.774545</b>	<b>110400</b>	<b>0.106500</b>	<b>0.001600</b>	<b>-2700.0</b>	<b>2500.0</b>	<b>4.347000</b>	<b>0.077000</b>	<b>0.296700</b>	<b>0.005800</b>	<b>0.655760</b>	<b>1673.0</b>	<b>29.0</b>	<b>1699.0</b>	<b>14.0</b>	<b>1735.0</b>	<b>28.0</b>	<b>3.57</b>
43	345.9	0.489448	69600	0.107300	0.001400	3100.0	1500.0	4.255000	0.059000	0.287200	0.004100	0.500360	1627.0	20.0	1686.0	11.0	1749.0	25.0	6.98
<b>44</b>	<b>525.0</b>	<b>0.788571</b>	<b>112700</b>	<b>0.105500</b>	<b>0.001200</b>	<b>2700.0</b>	<b>3500.0</b>	<b>4.431000</b>	<b>0.061000</b>	<b>0.302000</b>	<b>0.004600</b>	<b>0.680150</b>	<b>1703.0</b>	<b>23.0</b>	<b>1716.0</b>	<b>11.0</b>	<b>1722.0</b>	<b>19.0</b>	<b>1.10</b>
<b>45</b>	<b>601.0</b>	<b>0.838602</b>	<b>121700</b>	<b>0.108200</b>	<b>0.001100</b>	<b>2000.0</b>	<b>1800.0</b>	<b>4.394000</b>	<b>0.053000</b>	<b>0.295000</b>	<b>0.004000</b>	<b>0.682710</b>	<b>1667.0</b>	<b>19.0</b>	<b>1711.0</b>	<b>10.0</b>	<b>1767.0</b>	<b>18.0</b>	<b>5.66</b>
<b>46</b>	<b>923.0</b>	<b>0.841820</b>	<b>192400</b>	<b>0.106900</b>	<b>0.001100</b>	<b>6600.0</b>	<b>2700.0</b>	<b>4.444000</b>	<b>0.062000</b>	<b>0.300700</b>	<b>0.004700</b>	<b>0.763510</b>	<b>1693.0</b>	<b>23.0</b>	<b>1718.0</b>	<b>11.0</b>	<b>1744.0</b>	<b>18.0</b>	<b>2.92</b>

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]										Discord- ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	2	S.E.	2	S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2	S.E.		Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2	S.E.
1	253.0	1.193676	73100	0.106930	0.000780	1600.0	1500.0	4.475000	0.064000	0.303500	0.004200	0.871360	1707.0	21.0	1724.0	12.0	1745.0	13.0	2.18
2	542.0	0.581181	136900	0.109670	0.000630	2780.0	490.0	3.781000	0.035000	0.250400	0.002200	0.803220	1440.0	11.0	1588.4	7.3	1792.0	10.0	19.64
3	314.6	1.010807	94600	0.116700	0.001000	1190.0	450.0	4.610000	0.042000	0.286500	0.002500	0.509980	1623.0	13.0	1749.8	7.6	1906.0	16.0	14.85
4	527.0	0.842505	186600	0.156300	0.002100	285.0	13.0	5.218000	0.096000	0.242100	0.003500	0.703600	1396.0	18.0	1850.0	16.0	2408.0	22.0	42.03
5	234.6	0.694800	67900	0.105400	0.000750	-6900.0	7400.0	4.061000	0.044000	0.279000	0.002800	0.734660	1586.0	14.0	1646.1	8.6	1719.0	13.0	7.74
6	361.0	1.083102	93800	0.107800	0.001100	2700.0	2300.0	4.196000	0.041000	0.281400	0.002400	0.419920	1598.0	12.0	1672.4	8.0	1760.0	18.0	9.20
7	623.0	0.696629	151300	0.173200	0.006600	316.0	36.0	3.940000	0.110000	0.172900	0.007300	0.384520	1023.0	40.0	1613.0	21.0	2529.0	63.0	59.55
8	232.0	0.642241	69200	0.108320	0.000730	2200.0	1000.0	4.297000	0.041000	0.287400	0.002700	0.745490	1628.0	14.0	1691.2	7.9	1769.0	12.0	7.97
9	538.0	1.434944	114600	0.120000	0.002000	800.0	71.0	3.752000	0.062000	0.225400	0.005300	0.654600	1310.0	28.0	1577.0	13.0	1952.0	30.0	32.89
10	344.0	0.968023	88000	0.110710	0.000920	2460.0	480.0	3.965000	0.043000	0.259700	0.003300	0.756470	1488.0	17.0	1628.2	8.7	1809.0	15.0	17.74
11	404.0	0.811881	108100	0.111770	0.000980	1540.0	340.0	4.347000	0.098000	0.283600	0.007100	0.934770	1606.0	35.0	1701.0	18.0	1825.0	16.0	12.00
12	286.0	0.760490	86600	0.104560	0.000550	-1000.0	2400.0	4.498000	0.045000	0.311900	0.003100	0.849220	1749.0	15.0	1728.8	8.2	1702.2	9.6	-2.75
13	305.0	1.190164	87300	0.105120	0.000690	2000.0	2000.0	4.257000	0.039000	0.293100	0.003000	0.791270	1656.0	15.0	1683.6	7.4	1714.0	12.0	3.38
14	648.0	0.856481	141400	0.107220	0.000750	2390.0	250.0	3.408000	0.058000	0.228900	0.003400	0.906680	1328.0	18.0	1504.0	13.0	1751.0	13.0	24.16
15	320.6	0.666875	83700	0.107300	0.001200	1900.0	1400.0	4.168000	0.055000	0.280800	0.003800	0.662790	1594.0	19.0	1666.0	11.0	1749.0	20.0	8.86
16	331.0	1.178248	103700	0.104770	0.000680	2200.0	1700.0	4.603000	0.041000	0.317500	0.002600	0.643040	1777.0	13.0	1748.8	7.4	1710.0	12.0	-3.92
17	334.0	0.636228	90600	0.108500	0.001200	3300.0	1300.0	4.174000	0.059000	0.278000	0.004400	0.729420	1581.0	22.0	1668.0	12.0	1773.0	20.0	10.83
18	559.0	1.023256	132700	0.113100	0.001700	2270.0	520.0	4.104000	0.061000	0.261700	0.004800	0.666760	1498.0	24.0	1654.0	12.0	1846.0	27.0	18.85
19	442.0	0.600226	122300	0.112000	0.001000	2070.0	830.0	4.310000	0.043000	0.278500	0.002000	0.426270	1583.0	10.0	1693.9	8.2	1831.0	17.0	13.54
20	883.0	0.981880	183900	0.146800	0.002300	323.0	15.0	3.377000	0.053000	0.167500	0.003800	0.710480	998.0	21.0	1497.0	12.0	2307.0	27.0	56.74
21	325.0	0.636923	83800	0.105920	0.000960	200.0	1900.0	4.199000	0.039000	0.286600	0.002600	0.508020	1624.0	13.0	1672.6	7.6	1726.0	16.0	5.91
22	343.0	0.693878	85700	0.108300	0.001200	2200.0	1000.0	4.179000	0.050000	0.279400	0.003600	0.655140	1588.0	18.0	1670.0	10.0	1768.0	20.0	10.18
23	395.0	0.577215	104100	0.118000	0.001500	1060.0	110.0	4.385000	0.077000	0.267600	0.004200	0.654560	1528.0	21.0	1707.0	15.0	1926.0	25.0	20.66
24	229.0	0.516594	68100	0.105490	0.000700	4800.0	3000.0	4.456000	0.034000	0.306300	0.002300	0.633770	1722.0	11.0	1722.0	6.4	1722.0	12.0	0.00
25	704.0	1.721591	195100	0.162800	0.004400	275.0	25.0	4.653000	0.096000	0.213600	0.006100	0.478780	1250.0	33.0	1760.0	18.0	2462.0	46.0	49.23
26	1180.0	1.231356	135100	0.120700	0.002700	536.0	56.0	2.059000	0.065000	0.125200	0.005400	0.861320	759.0	31.0	1131.0	21.0	1955.0	41.0	61.18
27	428.0	1.098131	106200	0.105500	0.000850	2800.0	2200.0	3.951000	0.039000	0.270900	0.002700	0.640330	1545.0	14.0	1623.5	7.9	1721.0	15.0	10.23
28	288.0	0.708333	74200	0.116100	0.002300	1430.0	250.0	4.219000	0.087000	0.262800	0.005000	0.505100	1504.0	26.0	1676.0	17.0	1893.0	35.0	20.55
29	299.0	0.719064	71900	0.125100	0.001500	645.0	90.0	3.559000	0.081000	0.205700	0.004700	0.890700	1205.0	25.0	1538.0	18.0	2029.0	21.0	40.61
30	289.9	0.710590	85500	0.106080	0.000810	1000.0	2000.0	4.486000	0.042000	0.306400	0.002900	0.688200	1722.0	14.0	1728.5	7.6	1731.0	14.0	0.52
31	346.0	0.771676	92200	0.107010	0.000770	600.0	3600.0	4.010000	0.040000	0.272000	0.003000	0.717550	1550.0	15.0	1635.1	8.1	1747.0	13.0	11.28
32	362.0	1.000000	127500	0.142900	0.006100	790.0	150.0	6.140000	0.350000	0.307000	0.006900	0.687660	1723.0	34.0	1963.0	46.0	2212.0	71.0	22.11
33	426.0	0.704225	122200	0.121700	0.002200	1120.0	140.0	4.446000	0.050000	0.266400	0.005400	0.561350	1521.0	28.0	1721.1	9.1	1971.0	31.0	22.83



Sample 58 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios			Apparent isotopic dates [Ma]						Discord-ance [%]					
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>206</sup> Pb/ <sup>206</sup> Pb	2 S.E.						
34	462.0	0.692641	120200	0.110200	0.001100	2060.0	290.0	4.146000	0.070000	0.271900	0.004300	1550.0	22.0	1662.0	14.0	1805.0	16.0	14.13
35	692.0	1.073699	222000	0.175200	0.004000	204.0	11.0	5.308000	0.064000	0.222900	0.005900	1295.0	31.0	1868.0	10.0	2591.0	38.0	50.02
36	820.0	0.963415	221000	0.114960	0.000800	1316.0	69.0	4.454000	0.055000	0.280700	0.003700	1594.0	19.0	1723.0	11.0	1877.0	13.0	15.08
37	594.0	0.909091	161000	0.113420	0.000840	1420.0	110.0	4.291000	0.056000	0.273600	0.003200	1561.0	17.0	1690.0	11.0	1853.0	13.0	15.76
38	348.0	1.192529	87200	0.115600	0.001100	1810.0	440.0	3.785000	0.065000	0.238600	0.005300	1377.0	28.0	1585.0	14.0	1887.0	18.0	27.03
39	451.0	0.729490	130800	0.115800	0.001100	1720.0	240.0	4.477000	0.091000	0.279700	0.004600	1588.0	23.0	1721.0	17.0	1890.0	16.0	15.98
40	<b>953.0</b>	<b>0.982162</b>	<b>243000</b>	<b>0.107620</b>	<b>0.000710</b>	<b>4350.0</b>	<b>630.0</b>	<b>4.290000</b>	<b>0.140000</b>	<b>0.287000</b>	<b>0.008500</b>	<b>1631.0</b>	<b>44.0</b>	<b>1682.0</b>	<b>25.0</b>	<b>1758.0</b>	<b>12.0</b>	<b>7.22</b>
41	710.0	0.830986	147800	0.123200	0.001500	694.0	31.0	3.490000	0.100000	0.205400	0.006600	1202.0	35.0	1518.0	22.0	2002.0	22.0	39.96
42	253.6	0.681388	70500	0.115220	0.000960	950.0	420.0	4.139000	0.056000	0.260400	0.003400	1491.0	18.0	1659.0	11.0	1879.0	15.0	20.65
43	191.4	0.458203	54200	0.116100	0.001300	1810.0	520.0	4.486000	0.064000	0.280400	0.003200	1593.0	16.0	1728.0	12.0	1896.0	20.0	15.98
44	<b>264.2</b>	<b>0.684709</b>	<b>80100</b>	<b>0.106070</b>	<b>0.000740</b>	<b>-200.0</b>	<b>2200.0</b>	<b>4.225000</b>	<b>0.042000</b>	<b>0.288800</b>	<b>0.002400</b>	<b>1635.0</b>	<b>12.0</b>	<b>1677.9</b>	<b>8.2</b>	<b>1731.0</b>	<b>13.0</b>	<b>5.55</b>
45	<b>356.9</b>	<b>0.651163</b>	<b>96500</b>	<b>0.107440</b>	<b>0.000860</b>	<b>2700.0</b>	<b>2800.0</b>	<b>4.194000</b>	<b>0.036000</b>	<b>0.282800</b>	<b>0.002400</b>	<b>1605.0</b>	<b>12.0</b>	<b>1673.3</b>	<b>7.3</b>	<b>1757.0</b>	<b>15.0</b>	<b>8.65</b>
46	555.0	0.974775	164500	0.131700	0.002200	553.0	44.0	5.320000	0.130000	0.290400	0.004800	1643.0	24.0	1867.0	21.0	2114.0	30.0	22.28
47	685.0	1.562044	242300	0.191800	0.003800	159.2	6.9	5.610000	0.190000	0.212300	0.007200	1239.0	39.0	1909.0	29.0	2751.0	32.0	54.96
48	<b>485.2</b>	<b>0.683430</b>	<b>125800</b>	<b>0.106240</b>	<b>0.000960</b>	<b>1800.0</b>	<b>4400.0</b>	<b>4.109000</b>	<b>0.058000</b>	<b>0.279500</b>	<b>0.003900</b>	<b>1588.0</b>	<b>20.0</b>	<b>1655.0</b>	<b>12.0</b>	<b>1735.0</b>	<b>17.0</b>	<b>8.47</b>
49	571.0	1.084063	159200	0.117070	0.000940	1340.0	130.0	4.488000	0.054000	0.278000	0.004300	1580.0	21.0	1727.1	9.8	1911.0	15.0	17.32
50	1841.0	0.893536	316900	0.133200	0.001200	438.0	13.0	2.614000	0.044000	0.143200	0.003300	862.0	18.0	1306.0	13.0	2138.0	16.0	59.68
51	446.0	0.838565	141700	0.110270	0.000840	2480.0	460.0	4.557000	0.056000	0.299100	0.003700	1686.0	18.0	1740.0	10.0	1802.0	14.0	6.44
52	<b>1536.0</b>	<b>0.796875</b>	<b>327200</b>	<b>0.107770</b>	<b>0.000640</b>	<b>3150.0</b>	<b>240.0</b>	<b>3.524000</b>	<b>0.061000</b>	<b>0.235900</b>	<b>0.003900</b>	<b>1364.0</b>	<b>20.0</b>	<b>1530.0</b>	<b>14.0</b>	<b>1763.0</b>	<b>11.0</b>	<b>22.63</b>
53	358.7	0.647895	97600	0.110700	0.001000	3200.0	1200.0	4.196000	0.045000	0.275200	0.002900	1567.0	15.0	1673.2	8.9	1809.0	17.0	13.38
54	551.0	0.925590	139100	0.110700	0.001000	2620.0	940.0	4.202000	0.053000	0.273600	0.002100	1559.0	11.0	1672.0	10.0	1809.0	17.0	13.82
55	249.0	1.401606	63000	0.108910	0.000970	2030.0	410.0	4.244000	0.047000	0.282200	0.003000	1602.0	15.0	1681.3	9.1	1778.0	16.0	9.90
56	<b>173.5</b>	<b>0.858790</b>	<b>44400</b>	<b>0.107710</b>	<b>0.000780</b>	<b>500.0</b>	<b>1200.0</b>	<b>4.196000</b>	<b>0.039000</b>	<b>0.281700</b>	<b>0.002100</b>	<b>1600.0</b>	<b>10.0</b>	<b>1672.5</b>	<b>7.8</b>	<b>1758.0</b>	<b>13.0</b>	<b>8.99</b>
57	<b>253.0</b>	<b>0.624506</b>	<b>75100</b>	<b>0.107900</b>	<b>0.001000</b>	<b>4600.0</b>	<b>1800.0</b>	<b>4.667000</b>	<b>0.062000</b>	<b>0.313500</b>	<b>0.004700</b>	<b>1757.0</b>	<b>23.0</b>	<b>1760.0</b>	<b>11.0</b>	<b>1762.0</b>	<b>17.0</b>	<b>0.28</b>
58	1176.0	0.992347	282100	0.120900	0.001200	837.0	61.0	4.041000	0.097000	0.242200	0.005600	1395.0	29.0	1635.0	19.0	1965.0	17.0	29.01
59	1571.0	0.984087	273200	0.115000	0.001100	906.0	50.0	2.846000	0.058000	0.179000	0.003500	1061.0	19.0	1365.0	15.0	1878.0	17.0	43.50
60	319.6	0.526596	72600	0.105800	0.001500	4000.0	1800.0	4.410000	0.083000	0.299500	0.005000	1688.0	25.0	1713.0	16.0	1726.0	26.0	2.20

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 59

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CFS]	Isotopic ratios				Apparent isotopic dates [Ma]								Discord- ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	2 S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb		2 S.E.		
																		2 S.E.	2 S.E.
1	1750.0	0.490286	200000	0.115100	0.001000	1960.0	0.093000	3.974000	0.093000	0.250000	0.005300	0.923170	1435.0	28.0	1620.0	20.0	1878.0	16.0	23.59
2	1640.0	0.829268	190000	0.126100	0.002400	694.0	0.074000	3.884000	0.074000	0.224800	0.005900	0.742350	1306.0	31.0	1608.0	16.0	2038.0	34.0	35.92
<b>3</b>	<b>427.0</b>	<b>0.639344</b>	<b>65100</b>	<b>0.108800</b>	<b>0.000900</b>	<b>3200.0</b>	<b>0.062000</b>	<b>4.862000</b>	<b>0.062000</b>	<b>0.323900</b>	<b>0.004200</b>	<b>0.797780</b>	<b>1807.0</b>	<b>21.0</b>	<b>1794.0</b>	<b>11.0</b>	<b>1777.0</b>	<b>15.0</b>	<b>-1.69</b>
4	0.0	1.421053	138	2.100000	2.500000	41.0	30.0	370.000000	190.000000	2.300000	1.200000	-0.269550	7200.0	2400.0	5860.0	540.0	7800.0	5700.0	7.69
5	2179.0	0.482331	224000	0.109700	0.002000	3440.0	0.110000	3.670000	0.110000	0.245800	0.008500	0.839050	1414.0	44.0	1560.0	23.0	1786.0	33.0	20.83
6	646.0	0.678019	102500	0.111400	0.001100	90000.0	0.082000	5.142000	0.082000	0.336500	0.005000	0.773300	1868.0	24.0	1843.0	14.0	1819.0	18.0	-2.69
7	1830.0	1.120219	201000	0.122100	0.002000	824.0	0.150000	4.030000	0.150000	0.237900	0.007800	0.869760	1372.0	41.0	1625.0	32.0	1983.0	30.0	30.81
8	1259.0	0.587768	170500	0.125300	0.003000	838.0	0.190000	5.170000	0.190000	0.300600	0.009600	0.771980	1691.0	48.0	1839.0	31.0	2022.0	42.0	16.37
9	452.0	0.620133	74700	0.128300	0.003600	630.0	0.210000	6.160000	0.210000	0.350000	0.010000	0.595960	1937.0	52.0	1988.0	31.0	2063.0	50.0	6.11
10	804.0	0.298507	99000	0.115400	0.002300	2340.0	0.130000	4.180000	0.130000	0.263400	0.009300	0.698270	1509.0	49.0	1661.0	27.0	1881.0	38.0	19.78
11	823.0	0.430134	114200	0.115600	0.003900	4400.0	0.170000	5.020000	0.170000	0.320000	0.014000	0.600810	1784.0	66.0	1817.0	29.0	1873.0	62.0	4.75
12	652.0	0.501534	93800	0.114000	0.002400	4400.0	0.150000	5.090000	0.150000	0.325000	0.011000	0.769580	1809.0	52.0	1835.0	25.0	1853.0	39.0	2.37
13	0.0	15.000000	212	0.708000	0.084000	19.2	4.6	177.000000	52.000000	1.940000	0.660000	0.935810	6600.0	1500.0	5150.0	340.0	4750.0	190.0	-38.95
14	753.0	0.406375	114600	0.118400	0.001500	2040.0	0.100000	4.850000	0.100000	0.297500	0.006800	0.790720	1677.0	34.0	1791.0	18.0	1929.0	24.0	13.06
15	1019.0	0.572130	139200	0.115800	0.001200	1750.0	0.170000	4.540000	0.170000	0.284000	0.011000	0.947610	1603.0	55.0	1722.0	33.0	1888.0	19.0	15.10
16	2370.0	0.441772	237000	0.110000	0.001900	1860.0	0.180000	3.640000	0.180000	0.237000	0.009700	0.932280	1373.0	52.0	1543.0	39.0	1792.0	29.0	23.38
17	581.0	0.430293	85900	0.114000	0.002000	1300.0	0.160000	5.240000	0.160000	0.334000	0.011000	0.812600	1855.0	50.0	1852.0	24.0	1854.0	32.0	-0.05
18	588.5	0.329822	96000	0.115200	0.001000	2330.0	0.056000	5.083000	0.056000	0.319500	0.003800	0.705050	1786.0	19.0	1831.6	9.5	1879.0	16.0	4.95
<b>19</b>	<b>398.0</b>	<b>0.520854</b>	<b>53300</b>	<b>0.111000</b>	<b>0.002000</b>	<b>300.0</b>	<b>0.095000</b>	<b>4.677000</b>	<b>0.095000</b>	<b>0.307200</b>	<b>0.007100</b>	<b>0.683210</b>	<b>1725.0</b>	<b>35.0</b>	<b>1760.0</b>	<b>17.0</b>	<b>1813.0</b>	<b>32.0</b>	<b>4.85</b>
20	897.0	0.673356	106100	0.112500	0.001500	3020.0	0.150000	4.130000	0.150000	0.265700	0.009400	0.921300	1516.0	48.0	1652.0	30.0	1837.0	24.0	17.47
21	580.0	0.500000	76000	0.138000	0.032000	2300.0	1.800000	7.300000	1.800000	0.394000	0.049000	0.281750	2130.0	230.0	2090.0	190.0	2050.0	370.0	-3.90
22	552.0	0.673913	75900	0.116500	0.001700	1070.0	0.099000	4.620000	0.099000	0.287500	0.006200	0.783680	1628.0	31.0	1751.0	18.0	1900.0	25.0	14.32
23	0.1	0.461538	137	0.460000	0.360000	31.0	27.0	140.000000	130.000000	2.800000	2.700000	0.892340	7000.0	4200.0	4500.0	1100.0	3800.0	1100.0	-84.21
24	0.0	6.886228	93	0.787000	0.026000	8.5	5.9	148.000000	25.000000	1.370000	0.190000	0.992280	5560.0	510.0	5070.0	170.0	4935.0	59.0	-12.66
25	2670.0	0.797753	292000	0.158000	0.004300	230.0	0.280000	4.680000	0.280000	0.221000	0.016000	0.816310	1280.0	85.0	1745.0	51.0	2424.0	45.0	47.19
26	1750.0	0.513143	242000	0.122200	0.001200	923.0	0.064000	4.721000	0.064000	0.280100	0.004200	0.783560	1591.0	21.0	1769.0	11.0	1988.0	17.0	19.97
27	1076.0	0.604089	125100	0.114700	0.004800	3240.0	0.270000	4.560000	0.270000	0.291000	0.014000	0.732960	1644.0	69.0	1736.0	50.0	1867.0	74.0	11.94
28	1270.0	0.459843	162600	0.151100	0.002100	310.0	0.250000	5.840000	0.250000	0.277000	0.010000	0.944830	1569.0	51.0	1920.0	38.0	2349.0	24.0	33.21
<b>29</b>	<b>1039.0</b>	<b>0.727623</b>	<b>134100</b>	<b>0.110460</b>	<b>0.000930</b>	<b>1200.0</b>	<b>0.088000</b>	<b>4.540000</b>	<b>0.088000</b>	<b>0.296100</b>	<b>0.005400</b>	<b>0.904870</b>	<b>1671.0</b>	<b>27.0</b>	<b>1735.0</b>	<b>16.0</b>	<b>1807.0</b>	<b>15.0</b>	<b>7.53</b>
30	1972.0	0.382860	225800	0.119600	0.001600	1274.0	0.082000	4.475000	0.082000	0.272500	0.004800	0.726920	1553.0	24.0	1724.0	15.0	1951.0	23.0	20.40
31	1283.0	0.637568	142200	0.117400	0.002000	2360.0	0.087000	4.427000	0.087000	0.274600	0.005500	0.611880	1563.0	28.0	1714.0	16.0	1915.0	30.0	18.38
32	414.0	0.913043	55900	0.112600	0.001400	1100.0	0.078000	4.815000	0.078000	0.308900	0.004300	0.645670	1734.0	21.0	1785.0	14.0	1841.0	24.0	5.81
<b>33</b>	<b>691.0</b>	<b>0.693198</b>	<b>92400</b>	<b>0.111540</b>	<b>0.000980</b>	<b>7900.0</b>	<b>0.056000</b>	<b>4.855000</b>	<b>0.056000</b>	<b>0.315000</b>	<b>0.003500</b>	<b>0.708840</b>	<b>1764.0</b>	<b>17.0</b>	<b>1793.6</b>	<b>9.9</b>	<b>1821.0</b>	<b>16.0</b>	<b>3.13</b>

Sample 59 (continued)

Anal- ysis	U [ppm]	Th/U	<sup>206</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]						Discord- ance [%]					
				<sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.	<sup>206</sup> Pb/ <sup>204</sup> Pb	2 S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.		Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.			
																	Error correla- tion 6/38 vs 7/35		
34	1980.0	0.737374	212000	0.138300	0.002400	577.0	51.0	4.260000	0.060000	0.225000	0.004900	0.694580	1307.0	26.0	1685.0	11.0	2195.0	29.0	40.46
<b>35</b>	<b>752.0</b>	<b>0.357447</b>	<b>93900</b>	<b>0.110600</b>	<b>0.001900</b>	<b>-8600.0</b>	<b>8600.0</b>	<b>4.880000</b>	<b>0.120000</b>	<b>0.321000</b>	<b>0.006300</b>	<b>0.756360</b>	<b>1793.0</b>	<b>31.0</b>	<b>1795.0</b>	<b>20.0</b>	<b>1815.0</b>	<b>32.0</b>	<b>1.21</b>
36	751.0	0.715047	102800	0.112700	0.001000	3100.0	1500.0	4.989000	0.061000	0.321400	0.005000	0.788210	1795.0	24.0	1816.0	10.0	1841.0	16.0	2.50
37	1950.0	0.522564	240000	0.139200	0.001900	460.0	26.0	4.273000	0.064000	0.224900	0.004000	0.638910	1307.0	21.0	1688.0	13.0	2212.0	24.0	40.91
38	641.0	0.566303	94800	0.116900	0.001200	1790.0	570.0	4.790000	0.057000	0.298500	0.004400	0.734520	1683.0	22.0	1781.0	10.0	1904.0	19.0	11.61
39	1900.0	0.447368	225000	0.120200	0.001200	1108.0	78.0	3.892000	0.062000	0.235600	0.004100	0.833650	1363.0	22.0	1610.0	13.0	1956.0	18.0	30.32
40	869.0	0.571116	109300	0.117000	0.001800	3300.0	1200.0	4.397000	0.070000	0.275400	0.005500	0.636390	1566.0	28.0	1710.0	13.0	1909.0	27.0	17.97
41	1530.0	0.558170	216800	0.117090	0.000980	1255.0	70.0	4.768000	0.066000	0.296800	0.004100	0.974540	1674.0	21.0	1777.0	12.0	1910.0	15.0	12.36
<b>42</b>	<b>357.0</b>	<b>0.565546</b>	<b>53200</b>	<b>0.111400</b>	<b>0.001100</b>	<b>800.0</b>	<b>1500.0</b>	<b>4.945000</b>	<b>0.059000</b>	<b>0.323200</b>	<b>0.004100</b>	<b>0.668790</b>	<b>1804.0</b>	<b>20.0</b>	<b>1808.0</b>	<b>10.0</b>	<b>1818.0</b>	<b>18.0</b>	<b>0.77</b>
43	658.0	0.591185	100300	0.115070	0.000980	1990.0	980.0	5.096000	0.055000	0.321900	0.003400	0.660500	1798.0	16.0	1834.6	9.0	1877.0	15.0	4.21
44	332.5	0.815038	61860	0.120500	0.001500	1000.0	480.0	5.596000	0.067000	0.337200	0.004300	0.526890	1873.0	21.0	1916.0	11.0	1960.0	22.0	4.44
<b>45</b>	<b>731.0</b>	<b>0.674419</b>	<b>94500</b>	<b>0.110100</b>	<b>0.001700</b>	<b>3000.0</b>	<b>2200.0</b>	<b>4.570000</b>	<b>0.140000</b>	<b>0.300300</b>	<b>0.009000</b>	<b>0.857550</b>	<b>1690.0</b>	<b>45.0</b>	<b>1737.0</b>	<b>27.0</b>	<b>1802.0</b>	<b>29.0</b>	<b>6.22</b>
46	827.0	0.528416	112800	0.114850	0.000790	1700.0	130.0	4.558000	0.068000	0.288000	0.004200	0.889710	1630.0	21.0	1741.0	12.0	1875.0	12.0	13.07
47	715.0	0.671329	90500	0.112000	0.001100	2200.0	1400.0	4.431000	0.078000	0.287600	0.005200	0.842270	1627.0	26.0	1714.0	15.0	1830.0	17.0	11.09
48	2410.0	0.440664	268800	0.113790	0.000940	1930.0	200.0	3.728000	0.056000	0.237200	0.003700	0.845580	1371.0	19.0	1575.0	12.0	1860.0	15.0	26.29
49	864.0	0.844907	119700	0.117370	0.000990	1700.0	220.0	4.712000	0.080000	0.292000	0.005200	0.882270	1649.0	26.0	1767.0	15.0	1914.0	15.0	13.85
<b>50</b>	<b>1001.0</b>	<b>0.703297</b>	<b>133600</b>	<b>0.111800</b>	<b>0.001300</b>	<b>1600.0</b>	<b>3400.0</b>	<b>4.849000</b>	<b>0.075000</b>	<b>0.315700</b>	<b>0.004000</b>	<b>0.709920</b>	<b>1768.0</b>	<b>20.0</b>	<b>1791.0</b>	<b>13.0</b>	<b>1828.0</b>	<b>22.0</b>	<b>3.28</b>
51	1186.0	0.631555	142500	0.131800	0.001500	565.0	24.0	4.150000	0.083000	0.227100	0.004300	0.857980	1318.0	23.0	1661.0	17.0	2117.0	19.0	37.74
52	1608.0	0.525498	157800	0.112000	0.001000	2050.0	220.0	3.412000	0.044000	0.221700	0.003300	0.769230	1290.0	17.0	1507.0	10.0	1830.0	17.0	29.51

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 61

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]						Discord- ance [%]					
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>238</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>235</sup> U	2	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2						
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.						
1	125.2	1.166933	30830	0.105990	0.000920	1150.0	770.0	4.061000	0.045000	0.277200	0.002600	0.643430	1576.0	13.0	1644.8	9.0	1728.0	16.0	8.80
2	571.0	0.870403	150200	0.121100	0.001400	1290.0	180.0	4.251000	0.037000	0.257200	0.004400	0.753940	1473.0	23.0	1682.5	7.1	1963.0	21.0	24.96
3	97.8	0.780164	24600	0.104500	0.001400	-790.0	800.0	4.589000	0.074000	0.317800	0.005000	0.664010	1778.0	25.0	1747.0	14.0	1704.0	24.0	-4.34
4	55.1	1.027223	16400	0.106290	0.000990	610.0	600.0	4.545000	0.063000	0.309900	0.003600	0.738900	1741.0	18.0	1736.0	11.0	1734.0	17.0	-0.40
5	92.0	0.667391	27400	0.116040	0.000960	440.0	320.0	4.576000	0.042000	0.285700	0.002400	0.553240	1621.0	12.0	1744.2	7.7	1894.0	15.0	14.41
6	59.7	0.800838	16950	0.106900	0.001300	90.0	530.0	4.454000	0.084000	0.301900	0.005100	0.762230	1699.0	25.0	1718.0	15.0	1741.0	22.0	2.41
7	348.0	0.045115	74600	0.110000	0.004900	5500.0	8800.0	4.350000	0.220000	0.286000	0.012000	0.557880	1622.0	61.0	1699.0	41.0	1788.0	81.0	9.28
8	45.3	0.940397	20210	0.217900	0.004800	143.0	14.0	7.050000	0.140000	0.236000	0.002300	-0.030711	1365.0	12.0	2109.0	17.0	2936.0	36.0	53.51
9	82.6	0.906780	19570	0.124200	0.001500	580.0	190.0	3.713000	0.082000	0.216400	0.004000	0.823000	1260.0	21.0	1566.0	18.0	2008.0	21.0	37.25
10	336.0	1.133929	103600	0.133100	0.002500	577.0	96.0	4.902000	0.071000	0.267800	0.005000	0.396350	1528.0	25.0	1803.0	13.0	2130.0	33.0	28.26
11	65.7	1.152207	27900	0.158700	0.006900	380.0	120.0	6.230000	0.310000	0.281600	0.003000	0.600090	1599.0	15.0	1983.0	41.0	2390.0	69.0	33.10
12	219.0	0.653881	67600	0.106170	0.000650	1200.0	1600.0	4.240000	0.030000	0.288900	0.001700	0.541350	1635.9	8.3	1680.8	5.8	1732.0	11.0	5.55
13	98.0	0.804082	31400	0.105190	0.000950	470.0	960.0	4.558000	0.058000	0.313500	0.003600	0.724040	1757.0	18.0	1739.0	10.0	1714.0	17.0	-2.51
14	165.0	0.268121	44700	0.107500	0.001500	-270.0	990.0	4.543000	0.066000	0.306500	0.004500	0.582270	1723.0	22.0	1737.0	12.0	1752.0	26.0	1.66
15	146.2	0.413133	38030	0.115000	0.002400	830.0	780.0	4.670000	0.140000	0.293300	0.009800	0.756940	1657.0	49.0	1759.0	25.0	1876.0	37.0	11.67
16	91.1	1.997805	14630	0.123400	0.002800	230.0	170.0	2.494000	0.066000	0.150300	0.006000	0.908600	899.0	34.0	1262.0	20.0	1988.0	39.0	54.78
17	75.0	1.018667	20800	0.114400	0.002400	380.0	410.0	4.540000	0.140000	0.280900	0.004900	0.328970	1595.0	25.0	1731.0	23.0	1868.0	42.0	14.61
18	41.6	1.165865	11620	0.105100	0.001800	250.0	500.0	4.668000	0.081000	0.319600	0.004800	0.499570	1787.0	23.0	1759.0	15.0	1715.0	30.0	-4.20
19	65.4	0.882263	20600	0.121700	0.004100	340.0	350.0	5.110000	0.280000	0.303000	0.009200	0.791100	1701.0	45.0	1830.0	46.0	1952.0	54.0	12.86
20	58.4	0.791096	19960	0.114400	0.001600	380.0	310.0	5.187000	0.074000	0.336100	0.003200	0.356700	1819.0	15.0	1849.0	12.0	1870.0	26.0	2.73
21	296.0	0.814189	84400	0.106150	0.000730	2900.0	1100.0	4.364000	0.042000	0.295700	0.002600	0.750980	1670.0	13.0	1704.3	8.0	1734.0	13.0	3.69
22	884.0	1.054299	221500	0.106300	0.001400	-13000.0	14000.0	4.325000	0.059000	0.293200	0.004800	0.629950	1661.0	26.0	1697.0	11.0	1734.0	23.0	4.21
23	346.3	0.931851	93200	0.105520	0.000860	700.0	1800.0	4.149000	0.041000	0.283000	0.002700	0.631950	1606.0	13.0	1663.2	8.2	1721.0	15.0	6.68
24	39.6	0.787879	11050	0.109700	0.001600	410.0	430.0	4.194000	0.071000	0.275600	0.003700	0.541910	1570.0	19.0	1669.0	14.0	1789.0	27.0	12.24
25	90.2	0.797118	23500	0.106800	0.002000	680.0	760.0	4.431000	0.071000	0.300000	0.003500	0.207130	1691.0	17.0	1717.0	13.0	1747.0	32.0	3.21
26	19.0	0.568421	5800	0.147000	0.033000	160.0	140.0	10.700000	4.500000	0.540000	0.230000	0.849420	2640.0	860.0	2350.0	390.0	2230.0	350.0	-18.39
27	121.5	0.458456	30810	0.104200	0.001400	13100.0	7600.0	4.143000	0.072000	0.286300	0.004600	0.624280	1622.0	23.0	1661.0	14.0	1696.0	25.0	4.36
28	50.1	1.163673	19600	0.164900	0.006300	318.0	94.0	6.820000	0.390000	0.294100	0.006500	0.833090	1659.0	32.0	2046.0	45.0	2456.0	60.0	32.45
29	2.1	0.377990	1730	0.174000	0.015000	310.0	550.0	21.700000	4.100000	0.910000	0.160000	0.884970	4050.0	540.0	3090.0	180.0	2570.0	140.0	-57.59
30	63.5	0.974803	17230	0.123500	0.003000	490.0	330.0	5.040000	0.110000	0.296700	0.004600	0.264670	1674.0	23.0	1822.0	19.0	1991.0	43.0	15.92
31	50.8	0.611614	14050	0.130200	0.003700	310.0	220.0	5.060000	0.100000	0.283800	0.005700	0.075401	1609.0	29.0	1830.0	16.0	2084.0	48.0	22.79
32	55.5	0.938739	30400	0.186400	0.009000	232.0	41.0	9.120000	0.590000	0.348500	0.005500	0.840330	1925.0	26.0	2296.0	50.0	2636.0	71.0	26.97
33	40.0	0.994751	10440	0.111300	0.002100	-100.0	250.0	4.663000	0.078000	0.305500	0.004000	0.189680	1718.0	20.0	1758.0	14.0	1809.0	34.0	5.03

Sample 61 (continued)

Anal-ysis	Isotopic ratios										Apparent isotopic dates [Ma]										Discord-ance [%]	
	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla-tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>206</sup> Pb/ <sup>206</sup> Pb	2	2	2	2	2	2	2	2	2		2
34	186.4	1.314378	53030	0.107600	0.000790	610.0	860.0	4.638000	0.042000	0.313100	0.002600	0.632350	1755.0	13.0	1754.9	7.5	1757.0	13.0	0.11			
35	71.8	0.928969	17740	0.107400	0.002000	-260.0	880.0	4.710000	0.120000	0.316400	0.005300	0.595370	1771.0	26.0	1764.0	22.0	1753.0	33.0	-1.03			
36	65.6	1.091463	18730	0.107800	0.001100	-100.0	330.0	4.629000	0.060000	0.312200	0.002800	0.640130	1751.0	14.0	1751.0	11.0	1761.0	18.0	0.57			
37	327.0	0.948012	96600	0.109760	0.000770	1780.0	670.0	4.283000	0.056000	0.281900	0.002600	0.810210	1600.0	13.0	1687.0	11.0	1792.0	13.0	10.71			
38	82.7	0.833132	21700	0.104700	0.001100	100.0	510.0	4.200000	0.076000	0.293000	0.005000	0.774260	1654.0	25.0	1671.0	15.0	1703.0	20.0	2.88			
39	37.9	0.886544	10080	0.109400	0.001400	2300.0	2100.0	4.184000	0.070000	0.278600	0.003900	0.682030	1582.0	20.0	1666.0	14.0	1779.0	23.0	11.07			
40	44.5	0.883820	13830	0.111500	0.001700	-1000.0	1500.0	4.497000	0.073000	0.294300	0.004700	0.585300	1661.0	24.0	1727.0	14.0	1819.0	27.0	8.69			
41	28.9	0.976503	8000	0.114900	0.002400	150.0	140.0	4.527000	0.096000	0.285700	0.003600	0.364540	1619.0	18.0	1732.0	17.0	1864.0	37.0	13.14			
42	422.0	0.765403	119400	0.105970	0.000790	3200.0	1800.0	4.372000	0.040000	0.298900	0.002900	0.677660	1685.0	15.0	1706.2	7.6	1731.0	14.0	2.66			
43	123.8	0.590468	32600	0.109400	0.002400	0.0	950.0	4.660000	0.120000	0.309400	0.008200	0.673070	1735.0	41.0	1756.0	22.0	1780.0	40.0	2.53			
44	503.0	0.576143	147600	0.105510	0.000640	7900.0	5400.0	3.977000	0.037000	0.275000	0.002400	0.798420	1566.0	12.0	1628.2	7.7	1723.0	11.0	9.11			
45	51.4	0.636187	12130	0.108300	0.002400	-280.0	340.0	4.150000	0.110000	0.277800	0.007100	0.655060	1579.0	36.0	1660.0	22.0	1763.0	40.0	10.44			
46	43.4	0.942396	12210	0.114100	0.001400	120.0	220.0	4.370000	0.066000	0.278900	0.003600	0.597820	1584.0	18.0	1704.0	12.0	1859.0	23.0	14.79			
47	336.0	0.836310	81400	0.108500	0.001200	1430.0	810.0	4.047000	0.066000	0.270700	0.005100	0.821920	1543.0	26.0	1641.0	13.0	1771.0	20.0	12.87			
48	100.4	0.761952	23630	0.105400	0.002100	350.0	750.0	4.268000	0.091000	0.294100	0.006300	0.547670	1661.0	31.0	1685.0	18.0	1713.0	38.0	3.04			
49	79.1	0.892541	30100	0.164200	0.004800	304.0	90.0	5.620000	0.210000	0.247900	0.002800	0.677720	1427.0	14.0	1903.0	30.0	2460.0	47.0	41.99			
50	95.0	0.561053	27910	0.115700	0.001600	990.0	430.0	4.689000	0.063000	0.293900	0.005000	0.662790	1659.0	25.0	1763.0	11.0	1894.0	23.0	12.41			
51	46.7	0.943719	16810	0.121000	0.002000	390.0	360.0	5.264000	0.072000	0.317300	0.004000	0.190280	1775.0	20.0	1860.0	12.0	1959.0	29.0	9.39			
52	83.1	0.873646	23790	0.134900	0.003400	540.0	250.0	5.440000	0.170000	0.292000	0.005700	0.583230	1651.0	28.0	1888.0	27.0	2156.0	45.0	23.42			
53	69.4	1.229107	26750	0.152500	0.003500	379.0	46.0	5.970000	0.130000	0.284700	0.002200	0.038079	1614.0	11.0	1961.0	18.0	2344.0	38.0	31.14			
54	89.1	0.691358	20020	0.113400	0.002800	-3100.0	3300.0	4.380000	0.100000	0.277800	0.007600	0.535040	1578.0	38.0	1705.0	19.0	1850.0	47.0	14.70			
55	85.9	1.172293	23550	0.134300	0.002400	380.0	140.0	5.087000	0.097000	0.271200	0.003300	0.367940	1546.0	17.0	1832.0	16.0	2153.0	33.0	28.19			
56	42.5	0.717882	10830	0.104500	0.001400	-1400.0	1400.0	4.413000	0.069000	0.303600	0.003200	0.473270	1708.0	16.0	1712.0	13.0	1700.0	26.0	-0.47			
57	63.2	1.101266	16070	0.107400	0.001000	170.0	360.0	4.300000	0.046000	0.288600	0.002300	0.530140	1634.0	12.0	1691.0	8.7	1750.0	17.0	6.63			
58	115.9	0.632442	27470	0.107500	0.001300	1220.0	670.0	4.296000	0.070000	0.287200	0.003500	0.654800	1627.0	18.0	1690.0	13.0	1753.0	23.0	7.19			
59	61.9	1.369952	13790	0.110500	0.001700	330.0	320.0	3.921000	0.075000	0.254100	0.003200	0.517700	1459.0	17.0	1614.0	15.0	1802.0	28.0	19.03			
60	78.4	0.993622	19090	0.106500	0.001300	520.0	440.0	4.301000	0.053000	0.291100	0.003300	0.469850	1646.0	16.0	1692.0	10.0	1733.0	23.0	5.02			

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 62b

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]								Discord- ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.					
															2 S.E.		2 S.E.	2 S.E.	2 S.E.
1	402.0	0.751244	170300	0.105330	0.000850	3400.0	4100.0	4.789000	0.079000	0.329700	0.005400	0.879610	1835.0	26.0	1779.0	14.0	1717.0	15.0	-6.87
2	365.0	0.602740	148900	0.107810	0.000720	3300.0	1900.0	4.785000	0.069000	0.320800	0.004200	0.850450	1792.0	20.0	1780.0	12.0	1761.0	12.0	-1.76
3	282.0	0.620567	125100	0.117800	0.002100	1630.0	320.0	5.180000	0.120000	0.319800	0.005000	0.646720	1787.0	24.0	1843.0	20.0	1910.0	29.0	6.44
4	255.1	0.514700	107700	0.105400	0.001000	1300.0	2400.0	4.785000	0.085000	0.329400	0.006200	0.864540	1833.0	30.0	1778.0	15.0	1718.0	18.0	-6.69
5	361.0	1.202216	141300	0.105550	0.000770	4600.0	3500.0	4.580000	0.067000	0.314400	0.004800	0.880320	1761.0	24.0	1743.0	12.0	1723.0	14.0	-2.21
6	527.0	0.870968	204800	0.109620	0.000960	3400.0	1000.0	4.534000	0.091000	0.300000	0.006300	0.915800	1689.0	31.0	1733.0	17.0	1791.0	16.0	5.70
7	281.0	0.664057	116300	0.107660	0.000890	-1100.0	7800.0	4.678000	0.069000	0.315500	0.005100	0.867620	1766.0	25.0	1760.0	12.0	1759.0	15.0	-0.40
8	400.0	0.702500	163900	0.106140	0.000730	-1800.0	2900.0	4.623000	0.059000	0.316000	0.004400	0.876260	1768.0	22.0	1751.0	11.0	1732.0	12.0	-2.08
9	371.0	0.719677	154300	0.106420	0.000700	3500.0	2100.0	4.595000	0.054000	0.313500	0.003900	0.851980	1756.0	19.0	1745.5	9.9	1736.0	12.0	-1.15
10	535.0	0.721495	229000	0.130800	0.002000	722.0	62.0	4.858000	0.097000	0.275100	0.007300	0.876870	1560.0	38.0	1788.0	17.0	2095.0	26.0	25.54
11	424.0	0.733491	178900	0.110330	0.000960	2600.0	1600.0	4.736000	0.074000	0.311900	0.005100	0.850880	1748.0	25.0	1770.0	13.0	1801.0	16.0	2.94
12	526.0	0.695817	211300	0.106300	0.001100	6700.0	4300.0	4.573000	0.096000	0.312600	0.007100	0.884110	1751.0	35.0	1741.0	17.0	1734.0	20.0	-0.98
13	355.0	0.738028	146100	0.105880	0.000650	3600.0	2000.0	4.555000	0.064000	0.312500	0.004700	0.912500	1751.0	23.0	1737.0	12.0	1727.0	11.0	-1.39
14	432.0	0.717593	172300	0.106100	0.000810	2800.0	2800.0	4.582000	0.071000	0.313400	0.004800	0.876820	1756.0	23.0	1743.0	13.0	1731.0	14.0	-1.44
15	352.8	0.580499	148300	0.105650	0.000730	-800.0	2500.0	4.580000	0.061000	0.314900	0.004300	0.854970	1763.0	21.0	1743.0	11.0	1723.0	13.0	-2.32
16	1195.0	0.966527	555000	0.126000	0.001200	765.0	47.0	5.079000	0.062000	0.293300	0.004500	0.761450	1656.0	22.0	1830.0	10.0	2039.0	17.0	18.78
17	228.3	0.425318	98200	0.104700	0.000710	1400.0	1600.0	4.664000	0.075000	0.323800	0.005400	0.907270	1805.0	26.0	1755.0	14.0	1708.0	12.0	-5.68
18	375.0	0.674667	167400	0.108050	0.000840	3900.0	1200.0	4.575000	0.061000	0.307800	0.004500	0.837070	1728.0	22.0	1742.0	11.0	1764.0	14.0	2.04
19	307.0	0.615309	138800	0.105660	0.000660	3700.0	4500.0	4.524000	0.059000	0.310400	0.004400	0.891500	1741.0	21.0	1732.0	11.0	1726.0	12.0	-0.87
20	656.0	0.631098	268400	0.106200	0.001100	17700.0	8600.0	4.528000	0.086000	0.309300	0.005900	0.850420	1736.0	29.0	1733.0	16.0	1736.0	18.0	0.00
21	353.0	0.736544	160100	0.106220	0.000850	9100.0	9100.0	4.708000	0.070000	0.321900	0.005200	0.866620	1797.0	25.0	1765.0	12.0	1733.0	15.0	-3.69
22	254.5	0.663654	116900	0.105500	0.000690	1800.0	2300.0	4.526000	0.056000	0.311500	0.004100	0.872860	1746.0	20.0	1733.0	10.0	1720.0	12.0	-1.51
23	264.2	0.685844	109400	0.105200	0.001000	-1500.0	3900.0	4.470000	0.074000	0.307900	0.005500	0.838490	1729.0	27.0	1723.0	14.0	1715.0	18.0	-0.82
24	316.0	0.526582	140100	0.105130	0.000660	1300.0	3300.0	4.461000	0.050000	0.307700	0.003600	0.867080	1728.0	18.0	1721.1	9.3	1715.0	12.0	-0.76
25	276.0	0.699275	124600	0.108300	0.000940	3500.0	1100.0	4.667000	0.071000	0.312900	0.005100	0.852880	1753.0	25.0	1758.0	13.0	1768.0	16.0	0.85
26	381.0	0.643045	157100	0.106900	0.001100	3000.0	3900.0	4.660000	0.100000	0.315500	0.007000	0.894280	1765.0	34.0	1756.0	18.0	1750.0	19.0	-0.86
27	217.0	0.829493	96900	0.104730	0.000810	1800.0	3700.0	4.708000	0.087000	0.326400	0.006500	0.923020	1822.0	32.0	1765.0	16.0	1707.0	14.0	-6.74
28	496.0	0.657258	189800	0.110000	0.001100	3500.0	1600.0	4.710000	0.110000	0.310500	0.006300	0.891310	1741.0	31.0	1763.0	19.0	1796.0	19.0	3.06
29	402.0	0.621891	137900	0.106300	0.001100	3300.0	4200.0	4.226000	0.083000	0.288900	0.006100	0.863790	1634.0	30.0	1676.0	16.0	1734.0	19.0	5.77
30	321.0	18.068536	140000	0.125900	0.003400	700.0	87.0	5.310000	0.160000	0.305900	0.005100	0.370450	1720.0	25.0	1868.0	25.0	2036.0	44.0	15.52
31	524.0	0.755725	189700	0.113200	0.001900	900.0	3300.0	4.630000	0.120000	0.302000	0.011000	0.926800	1692.0	53.0	1749.0	22.0	1843.0	29.0	8.19
32	277.0	0.711191	114000	0.109610	0.000810	3760.0	920.0	4.756000	0.063000	0.315300	0.004200	0.849440	1765.0	21.0	1774.0	11.0	1790.0	13.0	1.40
33	531.0	0.679849	200400	0.108560	0.000870	5300.0	1700.0	4.555000	0.071000	0.304800	0.004900	0.917820	1714.0	24.0	1738.0	13.0	1773.0	15.0	3.33

Sample G2b (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]						Discord-ance [%]					
				<sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.	<sup>206</sup> Pb/ <sup>206</sup> Pb	2 S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Error correla-tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U		2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2 S.E.
34	1329.0	0.677201	613000	0.116020	0.000800	3760.0	330.0	5.389000	0.077000	0.337100	0.004400	0.933140	1871.0	21.0	1880.0	12.0	1893.0	12.0	1.16
35	489.0	0.783231	203700	0.107580	0.000650	2800.0	2500.0	4.977000	0.055000	0.337100	0.004200	0.881790	1871.0	20.0	1815.4	9.6	1757.0	11.0	-6.49
36	375.8	0.681213	153400	0.106000	0.000670	-2100.0	3800.0	4.780000	0.062000	0.327300	0.004500	0.882710	1824.0	22.0	1779.0	11.0	1730.0	12.0	-5.43
37	494.0	0.961538	207000	0.109150	0.000920	2570.0	320.0	4.730000	0.071000	0.314300	0.005300	0.871590	1760.0	26.0	1772.0	12.0	1783.0	15.0	1.29
38	168.6	0.635824	82400	0.130800	0.001300	503.0	23.0	5.380000	0.100000	0.297500	0.005500	0.863270	1680.0	28.0	1877.0	16.0	2108.0	17.0	20.30
39	754.0	0.803714	308300	0.110100	0.001600	3170.0	350.0	4.729000	0.097000	0.310600	0.006900	0.763300	1748.0	35.0	1770.0	17.0	1801.0	25.0	2.94
40	299.0	1.177258	149700	0.108000	0.001000	2600.0	1900.0	5.034000	0.076000	0.338500	0.006200	0.857790	1878.0	30.0	1823.0	13.0	1763.0	17.0	-6.52
41	298.0	2.130872	128900	0.109010	0.000940	1400.0	2300.0	4.763000	0.076000	0.316100	0.005000	0.844400	1769.0	25.0	1775.0	13.0	1780.0	16.0	0.62
42	308.0	0.762013	138100	0.109800	0.001300	3300.0	2100.0	5.000000	0.100000	0.328900	0.005600	0.785670	1831.0	27.0	1816.0	18.0	1791.0	21.0	-2.23
<b>43</b>	<b>425.0</b>	<b>0.663529</b>	<b>175600</b>	<b>0.106400</b>	<b>0.001100</b>	<b>5500.0</b>	<b>3400.0</b>	<b>4.669000</b>	<b>0.075000</b>	<b>0.317400</b>	<b>0.006500</b>	<b>0.853730</b>	<b>1775.0</b>	<b>32.0</b>	<b>1759.0</b>	<b>14.0</b>	<b>1735.0</b>	<b>19.0</b>	<b>-2.31</b>
44	407.0	0.744472	213900	0.152500	0.005400	486.0	72.0	6.200000	0.300000	0.291500	0.006200	0.711880	1650.0	31.0	1972.0	42.0	2329.0	59.0	29.15
45	614.0	0.662866	223000	0.108100	0.001300	5800.0	1400.0	4.249000	0.076000	0.283800	0.005100	0.751130	1610.0	26.0	1682.0	15.0	1766.0	21.0	8.83
46	399.0	0.644110	170400	0.110900	0.000620	2270.0	140.0	4.903000	0.055000	0.321500	0.003900	0.894650	1796.0	19.0	1800.3	9.5	1812.0	10.0	0.88
47	433.0	0.736721	193100	0.129000	0.002000	688.0	63.0	5.340000	0.100000	0.302500	0.004100	0.637050	1702.0	21.0	1870.0	16.0	2076.0	27.0	18.02
<b>48</b>	<b>298.0</b>	<b>0.674832</b>	<b>113600</b>	<b>0.105730</b>	<b>0.000740</b>	<b>3000.0</b>	<b>2600.0</b>	<b>4.427000</b>	<b>0.051000</b>	<b>0.304600</b>	<b>0.003900</b>	<b>0.842610</b>	<b>1713.0</b>	<b>19.0</b>	<b>1715.4</b>	<b>9.6</b>	<b>1725.0</b>	<b>13.0</b>	<b>0.70</b>
<b>49</b>	<b>236.2</b>	<b>0.697714</b>	<b>97200</b>	<b>0.104800</b>	<b>0.001000</b>	<b>1700.0</b>	<b>2600.0</b>	<b>4.432000</b>	<b>0.072000</b>	<b>0.307600</b>	<b>0.005200</b>	<b>0.828010</b>	<b>1728.0</b>	<b>26.0</b>	<b>1716.0</b>	<b>13.0</b>	<b>1708.0</b>	<b>18.0</b>	<b>-1.17</b>
50	301.0	1.504983	123600	0.107710	0.000660	3100.0	1100.0	4.691000	0.042000	0.317000	0.003200	0.819060	1774.0	16.0	1764.0	7.5	1759.0	11.0	-0.85
51	315.0	0.695238	154200	0.154200	0.001900	291.0	12.0	6.300000	0.170000	0.296600	0.006800	0.881950	1670.0	34.0	2003.0	26.0	2385.0	21.0	29.98
52	729.0	1.164609	306000	0.145500	0.001100	333.5	8.2	5.360000	0.200000	0.269000	0.011000	0.979780	1526.0	53.0	1864.0	30.0	2292.0	13.0	33.42
<b>53</b>	<b>341.7</b>	<b>0.622769</b>	<b>120800</b>	<b>0.107060</b>	<b>0.000870</b>	<b>2600.0</b>	<b>2200.0</b>	<b>4.188000</b>	<b>0.046000</b>	<b>0.284300</b>	<b>0.003300</b>	<b>0.902780</b>	<b>1612.0</b>	<b>17.0</b>	<b>1670.3</b>	<b>9.1</b>	<b>1748.0</b>	<b>15.0</b>	<b>7.78</b>
<b>54</b>	<b>502.0</b>	<b>0.798805</b>	<b>185000</b>	<b>0.105280</b>	<b>0.000930</b>	<b>5600.0</b>	<b>2700.0</b>	<b>4.515000</b>	<b>0.083000</b>	<b>0.310600</b>	<b>0.005600</b>	<b>0.896140</b>	<b>1742.0</b>	<b>27.0</b>	<b>1732.0</b>	<b>15.0</b>	<b>1718.0</b>	<b>16.0</b>	<b>-1.40</b>
55	297.0	0.622896	127000	0.105120	0.000990	7700.0	9900.0	4.595000	0.054000	0.316200	0.003400	0.623550	1771.0	17.0	1747.4	9.8	1718.0	18.0	-3.08
56	504.0	0.847222	176700	0.106200	0.001500	5100.0	2300.0	4.645000	0.097000	0.317200	0.007000	0.777020	1775.0	34.0	1755.0	18.0	1731.0	27.0	-2.54
<b>57</b>	<b>464.1</b>	<b>0.749623</b>	<b>163000</b>	<b>0.104370</b>	<b>0.000800</b>	<b>-1800.0</b>	<b>7200.0</b>	<b>4.339000</b>	<b>0.046000</b>	<b>0.300700</b>	<b>0.003000</b>	<b>0.743360</b>	<b>1696.0</b>	<b>15.0</b>	<b>1701.0</b>	<b>8.4</b>	<b>1701.0</b>	<b>14.0</b>	<b>0.29</b>
58	434.0	0.601382	168200	0.111920	0.000690	2050.0	350.0	4.560000	0.050000	0.295500	0.003400	0.845840	1668.0	17.0	1741.3	9.3	1829.0	11.0	8.80
59	1301.0	1.598770	500000	0.150800	0.002300	316.0	16.0	4.828000	0.078000	0.237500	0.007100	0.902250	1369.0	37.0	1788.0	14.0	2345.0	27.0	41.62
<b>60</b>	<b>287.0</b>	<b>0.749129</b>	<b>104500</b>	<b>0.104670</b>	<b>0.000590</b>	<b>3000.0</b>	<b>2000.0</b>	<b>4.287000</b>	<b>0.052000</b>	<b>0.296900</b>	<b>0.003700</b>	<b>0.905550</b>	<b>1678.0</b>	<b>18.0</b>	<b>1690.0</b>	<b>10.0</b>	<b>1708.0</b>	<b>10.0</b>	<b>1.76</b>

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 64a

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]										Discord- ance [%]	
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>208</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35		Age <sup>206</sup> Pb/ <sup>238</sup> U		Age <sup>207</sup> Pb/ <sup>235</sup> U		Age <sup>207</sup> Pb/ <sup>206</sup> Pb					
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.				
1	382.0	0.222775	182400	0.110730	0.000760	4380.0	850.0	5.770000	0.140000	0.378100	0.009200	0.956320	2058.0	43.0	1930.0	21.0	1809.0	13.0	-13.76
<b>2</b>	<b>290.3</b>	<b>0.513951</b>	<b>119600</b>	<b>0.107860</b>	<b>0.000970</b>	<b>2100.0</b>	<b>2200.0</b>	<b>4.723000</b>	<b>0.079000</b>	<b>0.318400</b>	<b>0.005800</b>	<b>0.871620</b>	<b>1780.0</b>	<b>29.0</b>	<b>1768.0</b>	<b>14.0</b>	<b>1761.0</b>	<b>16.0</b>	<b>-1.08</b>
3	217.0	0.847926	100800	0.110440	0.000950	2700.0	1300.0	4.972000	0.091000	0.325900	0.006500	0.903540	1816.0	31.0	1811.0	16.0	1808.0	16.0	-0.44
4	354.0	1.333333	161200	0.109090	0.000700	3400.0	2500.0	5.009000	0.077000	0.333600	0.005400	0.916800	1852.0	26.0	1817.0	13.0	1781.0	12.0	-3.99
5	440.0	0.665909	243100	0.117950	0.000740	3400.0	3100.0	6.301000	0.092000	0.387700	0.005900	0.914160	2109.0	27.0	2014.0	13.0	1923.0	11.0	-9.67
6	272.0	0.547794	150100	0.125800	0.001400	3800.0	1400.0	6.330000	0.120000	0.364800	0.005300	0.775210	2002.0	25.0	2016.0	16.0	2033.0	19.0	1.52
7	415.0	0.819277	218000	0.116810	0.000870	4000.0	2900.0	6.256000	0.095000	0.389500	0.006000	0.884930	2118.0	28.0	2009.0	14.0	1907.0	13.0	-11.06
8	1022.0	0.865949	431000	0.123400	0.001700	1560.0	180.0	4.700000	0.110000	0.281900	0.009200	0.949050	1592.0	46.0	1756.0	20.0	1995.0	24.0	20.20
<b>9</b>	<b>781.0</b>	<b>0.883483</b>	<b>327000</b>	<b>0.109230</b>	<b>0.000960</b>	<b>2810.0</b>	<b>230.0</b>	<b>4.880000</b>	<b>0.140000</b>	<b>0.323900</b>	<b>0.008600</b>	<b>0.957340</b>	<b>1805.0</b>	<b>42.0</b>	<b>1791.0</b>	<b>24.0</b>	<b>1784.0</b>	<b>16.0</b>	<b>-1.18</b>
<b>10</b>	<b>566.0</b>	<b>0.712014</b>	<b>211000</b>	<b>0.108450</b>	<b>0.000740</b>	<b>4900.0</b>	<b>3300.0</b>	<b>4.522000</b>	<b>0.072000</b>	<b>0.302300</b>	<b>0.004900</b>	<b>0.915760</b>	<b>1701.0</b>	<b>24.0</b>	<b>1731.0</b>	<b>13.0</b>	<b>1771.0</b>	<b>12.0</b>	<b>3.95</b>
11	405.0	0.513580	162400	0.111010	0.000810	5000.0	1800.0	5.016000	0.095000	0.328000	0.006500	0.928460	1825.0	31.0	1819.0	16.0	1815.0	13.0	-0.55
12	1570.0	3.375796	624000	0.109790	0.000790	11000.0	3500.0	5.056000	0.080000	0.333600	0.005500	0.907640	1853.0	27.0	1828.0	14.0	1793.0	13.0	-3.35
13	626.0	0.269968	565000	0.157100	0.001600	7300.0	6700.0	10.740000	0.260000	0.493000	0.011000	0.920520	2575.0	49.0	2491.0	23.0	2420.0	18.0	-6.40
14	611.0	0.114566	260200	0.115280	0.000870	1700.0	6700.0	5.118000	0.077000	0.322200	0.005000	0.885850	1798.0	24.0	1836.0	13.0	1882.0	13.0	4.46
15	378.0	0.542328	207100	0.110640	0.000950	3570.0	370.0	6.020000	0.160000	0.393000	0.011000	0.951660	2132.0	51.0	1971.0	24.0	1808.0	16.0	-17.92
16	517.0	0.352031	227000	0.109680	0.000640	1900.0	4500.0	5.486000	0.081000	0.361900	0.005500	0.922610	1988.0	26.0	1894.0	13.0	1793.0	11.0	-10.88
<b>17</b>	<b>659.0</b>	<b>0.673748</b>	<b>220000</b>	<b>0.107900</b>	<b>0.001000</b>	<b>8900.0</b>	<b>3400.0</b>	<b>4.103000</b>	<b>0.067000</b>	<b>0.275500</b>	<b>0.004800</b>	<b>0.847330</b>	<b>1570.0</b>	<b>25.0</b>	<b>1652.0</b>	<b>13.0</b>	<b>1761.0</b>	<b>17.0</b>	<b>10.85</b>
18	595.0	0.732773	552000	0.177000	0.001500	9700.0	1900.0	11.120000	0.210000	0.453500	0.007200	0.913140	2406.0	32.0	2523.0	18.0	2622.0	14.0	8.24
19	601.0	0.351581	363000	0.134300	0.001800	4040.0	410.0	6.910000	0.200000	0.374300	0.009400	0.895620	2042.0	44.0	2085.0	26.0	2146.0	23.0	4.85
<b>20</b>	<b>217.8</b>	<b>0.827824</b>	<b>90900</b>	<b>0.109530</b>	<b>0.000830</b>	<b>-2200.0</b>	<b>3700.0</b>	<b>4.778000</b>	<b>0.064000</b>	<b>0.317400</b>	<b>0.004600</b>	<b>0.855300</b>	<b>1775.0</b>	<b>22.0</b>	<b>1779.0</b>	<b>11.0</b>	<b>1790.0</b>	<b>14.0</b>	<b>0.84</b>
<b>21</b>	<b>1636.0</b>	<b>0.426650</b>	<b>652000</b>	<b>0.109430</b>	<b>0.000800</b>	<b>7160.0</b>	<b>520.0</b>	<b>4.454000</b>	<b>0.064000</b>	<b>0.296700</b>	<b>0.004500</b>	<b>0.917780</b>	<b>1673.0</b>	<b>22.0</b>	<b>1719.0</b>	<b>12.0</b>	<b>1787.0</b>	<b>13.0</b>	<b>6.38</b>
22	602.0	1.300664	254800	0.112100	0.001200	6800.0	2700.0	4.990000	0.110000	0.320600	0.006300	0.855540	1792.0	31.0	1808.0	18.0	1829.0	20.0	2.02
23	1656.0	2.717391	838000	0.117990	0.000840	9800.0	1600.0	5.655000	0.082000	0.349600	0.005100	0.905820	1931.0	24.0	1923.0	13.0	1924.0	13.0	-0.36
<b>24</b>	<b>318.0</b>	<b>0.943396</b>	<b>133200</b>	<b>0.109530</b>	<b>0.000850</b>	<b>-1000.0</b>	<b>2600.0</b>	<b>4.700000</b>	<b>0.068000</b>	<b>0.312500</b>	<b>0.004800</b>	<b>0.863700</b>	<b>1751.0</b>	<b>24.0</b>	<b>1763.0</b>	<b>12.0</b>	<b>1788.0</b>	<b>14.0</b>	<b>2.07</b>
25	463.0	0.760259	393000	0.181100	0.001700	6300.0	1300.0	9.520000	0.200000	0.382100	0.007400	0.911960	2082.0	34.0	2382.0	20.0	2659.0	15.0	21.70
26	1160.0	0.275862	1250000	0.186700	0.001300	20600.0	7100.0	12.640000	0.180000	0.492900	0.007200	0.884940	2580.0	31.0	2649.0	13.0	2713.0	11.0	4.90
27	588.0	0.307483	300000	0.120920	0.000930	5200.0	1300.0	5.790000	0.082000	0.348400	0.005100	0.830960	1925.0	25.0	1942.0	12.0	1967.0	14.0	2.14
28	479.6	0.585905	216900	0.108620	0.000700	8100.0	4600.0	4.968000	0.064000	0.332700	0.004700	0.886900	1849.0	23.0	1810.0	11.0	1775.0	12.0	-4.17
29	749.0	0.152203	367000	0.118400	0.000930	8800.0	1900.0	5.775000	0.092000	0.355100	0.005700	0.884310	1956.0	27.0	1939.0	14.0	1930.0	14.0	-1.35
30	399.0	0.308271	207000	0.119900	0.001100	4300.0	3500.0	6.131000	0.095000	0.371800	0.006300	0.844620	2035.0	29.0	1990.0	14.0	1956.0	16.0	-4.04
31	319.0	0.204389	186500	0.125900	0.001000	6400.0	2800.0	6.660000	0.120000	0.384500	0.006900	0.907790	2093.0	32.0	2060.0	17.0	2037.0	14.0	-2.75
32	1371.0	0.708972	594000	0.110320	0.000790	9100.0	2500.0	4.934000	0.067000	0.324900	0.004500	0.857620	1812.0	22.0	1805.0	11.0	1802.0	13.0	-0.55
33	1115.0	0.269955	556400	0.119540	0.000940	4490.0	340.0	5.714000	0.086000	0.347800	0.005400	0.934530	1922.0	26.0	1930.0	13.0	1946.0	14.0	1.23



Sample 64a (continued)

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CFS]	Isotopic ratios		206Pb/ <sup>238</sup> U		206Pb/ <sup>235</sup> U		206Pb/ <sup>238</sup> U		Error correla- tion 6/38 vs 7/35		Apparent isotopic dates [Ma]		207Pb/ <sup>235</sup> U		207Pb/ <sup>238</sup> Pb		Discord- ance [%]	
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.		
34	714.0	0.217087	346000	0.117100	0.000930	110000.0	120000.0	5.790000	0.120000	0.359300	0.007100	0.913660	0.007100	34.0	1939.0	17.0	1909.0	14.0	1905.0	15.0	-3.67
35	668.0	0.812874	334000	0.116690	0.000940	7900.0	8800.0	5.537000	0.095000	0.344500	0.006200	0.891870	0.006200	30.0	1902.0	15.0	1905.0	15.0	1905.0	15.0	-0.05
<b>36</b>	<b>474.0</b>	<b>0.778481</b>	<b>182600</b>	<b>0.109640</b>	<b>0.000770</b>	<b>5300.0</b>	<b>1700.0</b>	<b>4.469000</b>	<b>0.073000</b>	<b>0.296200</b>	<b>0.005100</b>	<b>0.905160</b>	<b>0.005100</b>	<b>25.0</b>	<b>1721.0</b>	<b>13.0</b>	<b>1793.0</b>	<b>13.0</b>	<b>1793.0</b>	<b>13.0</b>	<b>6.80</b>
37	396.0	1.285354	164000	0.111160	0.000870	3800.0	1700.0	4.839000	0.078000	0.316400	0.005300	0.892370	0.005300	26.0	1788.0	13.0	1815.0	14.0	1815.0	14.0	2.48
38	387.5	0.874581	150000	0.110200	0.001200	4700.0	2800.0	4.679000	0.080000	0.309500	0.005700	0.797860	0.005700	28.0	1760.0	14.0	1798.0	20.0	1798.0	20.0	3.45
39	169.0	1.071006	66100	0.111400	0.001000	1400.0	1900.0	4.639000	0.094000	0.301400	0.005800	0.881080	0.005800	29.0	1751.0	17.0	1821.0	17.0	1821.0	17.0	6.70
40	1829.0	0.705303	840000	0.109300	0.001100	23000.0	12000.0	5.480000	0.100000	0.364800	0.006800	0.856720	0.006800	32.0	1895.0	16.0	1785.0	19.0	1785.0	19.0	-12.21
41	712.0	0.348315	373000	0.117870	0.000790	11200.0	4500.0	6.120000	0.100000	0.375700	0.006600	0.928270	0.006600	31.0	1990.0	15.0	1923.0	12.0	1923.0	12.0	-6.97
42	1246.0	0.765650	493000	0.117200	0.001400	4220.0	630.0	5.040000	0.140000	0.313500	0.008400	0.902460	0.008400	41.0	1819.0	23.0	1910.0	21.0	1910.0	21.0	8.17
43	773.0	0.558862	708000	0.164700	0.002900	12200.0	8500.0	11.460000	0.470000	0.494000	0.013000	0.962250	0.013000	57.0	2519.0	38.0	2487.0	29.0	2487.0	29.0	-3.46
44	346.0	1.329480	151300	0.109520	0.000850	2400.0	2900.0	5.190000	0.110000	0.343300	0.007300	0.937500	0.007300	35.0	1845.0	18.0	1788.0	14.0	1788.0	14.0	-6.38
45	868.0	0.314516	460000	0.121860	0.000960	9200.0	3900.0	6.285000	0.082000	0.374300	0.005100	0.832410	0.005100	24.0	2014.0	11.0	1981.0	14.0	1981.0	14.0	-3.38
<b>46</b>	<b>388.0</b>	<b>0.728093</b>	<b>183700</b>	<b>0.108900</b>	<b>0.001400</b>	<b>3400.0</b>	<b>3400.0</b>	<b>4.855000</b>	<b>0.097000</b>	<b>0.324200</b>	<b>0.006800</b>	<b>0.799920</b>	<b>0.006800</b>	<b>33.0</b>	<b>1791.0</b>	<b>17.0</b>	<b>1776.0</b>	<b>24.0</b>	<b>1776.0</b>	<b>24.0</b>	<b>-1.80</b>
<b>47</b>	<b>158.8</b>	<b>1.265743</b>	<b>79500</b>	<b>0.108460</b>	<b>0.000690</b>	<b>43000.0</b>	<b>25000.0</b>	<b>4.684000</b>	<b>0.074000</b>	<b>0.311600</b>	<b>0.004800</b>	<b>0.912070</b>	<b>0.004800</b>	<b>24.0</b>	<b>1760.0</b>	<b>13.0</b>	<b>1773.0</b>	<b>11.0</b>	<b>1773.0</b>	<b>11.0</b>	<b>1.47</b>
<b>48</b>	<b>327.0</b>	<b>0.843425</b>	<b>158500</b>	<b>0.108700</b>	<b>0.000820</b>	<b>1700.0</b>	<b>2400.0</b>	<b>4.658000</b>	<b>0.060000</b>	<b>0.310500</b>	<b>0.004400</b>	<b>0.819870</b>	<b>0.004400</b>	<b>22.0</b>	<b>1758.0</b>	<b>11.0</b>	<b>1777.0</b>	<b>14.0</b>	<b>1777.0</b>	<b>14.0</b>	<b>2.03</b>
49	701.0	0.890157	440500	0.118130	0.000750	15000.0	12000.0	5.943000	0.081000	0.363600	0.005300	0.894460	0.005300	25.0	1964.0	12.0	1926.0	11.0	1926.0	11.0	-3.69
50	318.0	1.066038	174600	0.121350	0.000920	1110.0	75.0	5.201000	0.094000	0.309400	0.005300	0.905560	0.005300	26.0	1847.0	15.0	1973.0	14.0	1973.0	14.0	12.06
51	84.6	0.537825	122000	0.188900	0.001400	700.0	1600.0	14.680000	0.250000	0.562100	0.009600	0.906560	0.009600	40.0	2788.0	16.0	2729.0	12.0	2729.0	12.0	-5.13
52	309.0	0.834951	162300	0.110520	0.000860	3850.0	920.0	5.084000	0.085000	0.333000	0.005900	0.894320	0.005900	28.0	1829.0	14.0	1805.0	14.0	1805.0	14.0	-2.49
53	245.1	0.549164	119900	0.110140	0.000800	2500.0	1900.0	4.797000	0.064000	0.314900	0.004300	0.841870	0.004300	21.0	1781.0	11.0	1800.0	13.0	1800.0	13.0	2.06
<b>54</b>	<b>475.0</b>	<b>0.650526</b>	<b>225000</b>	<b>0.109760</b>	<b>0.000600</b>	<b>6800.0</b>	<b>3100.0</b>	<b>4.587000</b>	<b>0.044000</b>	<b>0.302500</b>	<b>0.002800</b>	<b>0.834230</b>	<b>0.002800</b>	<b>14.0</b>	<b>1745.8</b>	<b>8.0</b>	<b>1794.2</b>	<b>9.9</b>	<b>1794.2</b>	<b>9.9</b>	<b>5.08</b>
55	328.8	0.754562	147700	0.111200	0.001000	4800.0	1700.0	4.844000	0.067000	0.317000	0.004600	0.774790	0.004600	23.0	1791.0	12.0	1815.0	17.0	1815.0	17.0	2.31
56	1574.0	0.519060	772000	0.112880	0.000770	4020.0	480.0	5.049000	0.079000	0.324300	0.005400	0.903840	0.005400	26.0	1823.0	13.0	1844.0	12.0	1844.0	12.0	1.95
57	674.0	0.992582	326000	0.115320	0.000980	3470.0	720.0	5.316000	0.069000	0.334600	0.005100	0.819580	0.005100	25.0	1868.0	11.0	1884.0	16.0	1884.0	16.0	1.38
<b>58</b>	<b>555.0</b>	<b>0.390991</b>	<b>253200</b>	<b>0.108690</b>	<b>0.000560</b>	<b>5400.0</b>	<b>4600.0</b>	<b>4.574000</b>	<b>0.044000</b>	<b>0.305400</b>	<b>0.003200</b>	<b>0.860810</b>	<b>0.003200</b>	<b>16.0</b>	<b>1742.9</b>	<b>8.0</b>	<b>1776.1</b>	<b>9.3</b>	<b>1776.1</b>	<b>9.3</b>	<b>3.33</b>
<b>59</b>	<b>357.0</b>	<b>0.582913</b>	<b>155500</b>	<b>0.108920</b>	<b>0.000750</b>	<b>4300.0</b>	<b>2100.0</b>	<b>4.784000</b>	<b>0.048000</b>	<b>0.319000</b>	<b>0.003400</b>	<b>0.773220</b>	<b>0.003400</b>	<b>17.0</b>	<b>1780.7</b>	<b>8.5</b>	<b>1779.0</b>	<b>12.0</b>	<b>1779.0</b>	<b>12.0</b>	<b>-0.34</b>
60	913.0	0.091676	497000	0.122900	0.001000	8600.0	2400.0	5.899000	0.068000	0.349400	0.004000	0.727670	0.004000	19.0	1959.0	10.0	1996.0	15.0	1996.0	15.0	3.26

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 65

Anal-ysis	U [ppm]	Th/U	Isotopic ratios										Apparent isotopic dates [Ma]										Discord-ance [%]			
			$^{207}\text{Pb}$ [CPS]	$^{206}\text{Pb}/^{208}\text{Pb}$	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	$^{206}\text{Pb}/^{235}\text{U}$	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2
			S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.		S.E.	S.E.	S.E.
1	680.0	0.582353	333500	0.115610	0.000530	2780.0	320.0	5.753000	0.044000	0.819360	1981.0	13.0	1938.6	6.7	1888.6	8.2	-4.89									
<b>2</b>	<b>692.0</b>	<b>0.494220</b>	<b>269000</b>	<b>0.110060</b>	<b>0.000450</b>	<b>5000.0</b>	<b>3900.0</b>	<b>4.728000</b>	<b>0.026000</b>	<b>0.733040</b>	<b>1741.9</b>	<b>8.7</b>	<b>1771.8</b>	<b>4.7</b>	<b>1799.6</b>	<b>7.5</b>	<b>3.21</b>									
3	1037.0	0.491803	453000	0.112320	0.000560	3650.0	320.0	4.885000	0.070000	0.948150	1761.0	24.0	1797.0	12.0	1837.3	9.1	4.15									
4	500.0	0.694000	234000	0.114530	0.000960	2490.0	250.0	5.109000	0.068000	0.771450	1801.0	17.0	1836.0	11.0	1871.0	15.0	3.74									
5	789.0	0.470215	282000	0.116140	0.000870	2750.0	490.0	4.567000	0.068000	0.922290	1614.0	26.0	1741.0	12.0	1898.0	13.0	14.96									
6	1416.0	0.657486	568000	0.121730	0.000670	1124.0	57.0	4.845000	0.060000	0.954290	1630.0	16.0	1790.0	10.0	1980.4	9.8	17.69									
<b>7</b>	<b>762.0</b>	<b>0.450131</b>	<b>320200</b>	<b>0.109920</b>	<b>0.000440</b>	<b>11100.0</b>	<b>5200.0</b>	<b>4.871000</b>	<b>0.021000</b>	<b>0.748820</b>	<b>1795.7</b>	<b>7.8</b>	<b>1796.9</b>	<b>3.7</b>	<b>1797.2</b>	<b>7.2</b>	<b>0.08</b>									
8	557.0	0.491921	220400	0.110470	0.000450	7300.0	3200.0	4.728000	0.036000	0.854160	1737.0	11.0	1771.4	6.4	1806.3	7.4	3.84									
9	627.0	0.527911	273000	0.111560	0.000470	2690.0	170.0	5.046000	0.087000	0.970250	1820.0	25.0	1821.0	15.0	1824.1	7.6	0.22									
10	787.0	0.593393	312000	0.115380	0.000610	2240.0	160.0	4.672000	0.043000	0.838610	1659.0	13.0	1761.2	7.7	1884.8	9.6	11.98									
<b>11</b>	<b>593.0</b>	<b>0.672850</b>	<b>233500</b>	<b>0.109960</b>	<b>0.000630</b>	<b>7200.0</b>	<b>3600.0</b>	<b>4.886000</b>	<b>0.048000</b>	<b>0.862000</b>	<b>1801.0</b>	<b>17.0</b>	<b>1800.0</b>	<b>8.1</b>	<b>1798.0</b>	<b>10.0</b>	<b>-0.17</b>									
12	776.0	0.454897	330300	0.122800	0.001300	1102.0	74.0	5.019000	0.037000	0.451300	1672.0	11.0	1822.0	6.1	1995.0	18.0	16.19									
13	961.0	0.818939	429400	0.121610	0.000760	1080.0	44.0	5.242000	0.059000	0.835640	1749.0	15.0	1858.5	9.7	1979.0	11.0	11.62									
14	795.0	0.567296	353200	0.110380	0.000470	10400.0	2700.0	5.204000	0.037000	0.809260	1890.0	10.0	1852.7	6.0	1805.2	7.7	-4.70									
15	732.0	0.404372	285800	0.110460	0.000630	7100.0	2200.0	4.746000	0.039000	0.822060	1746.0	14.0	1774.9	6.9	1806.0	10.0	3.32									
16	688.0	0.610465	305000	0.113030	0.000590	3400.0	310.0	5.118000	0.041000	0.771570	1826.0	12.0	1838.6	6.8	1847.9	9.5	1.19									
17	935.0	0.736898	400000	0.114730	0.000540	2540.0	150.0	5.043000	0.050000	0.892630	1779.0	17.0	1825.5	8.5	1876.1	8.7	5.18									
<b>18</b>	<b>917.0</b>	<b>0.547437</b>	<b>348000</b>	<b>0.110450</b>	<b>0.000690</b>	<b>7600.0</b>	<b>5600.0</b>	<b>4.671000</b>	<b>0.044000</b>	<b>0.793990</b>	<b>1720.0</b>	<b>15.0</b>	<b>1761.4</b>	<b>8.0</b>	<b>1806.0</b>	<b>11.0</b>	<b>4.76</b>									
19	951.0	0.439537	352400	0.113900	0.000510	5800.0	680.0	4.662000	0.034000	0.807190	1666.0	11.0	1760.4	6.3	1862.6	8.3	10.56									
20	606.0	0.727723	284500	0.115560	0.000540	4080.0	610.0	5.180000	0.054000	0.876330	1808.0	13.0	1848.0	8.8	1887.8	8.5	4.23									
21	917.0	0.625954	385000	0.114330	0.000490	6200.0	1300.0	5.158000	0.040000	0.819060	1813.0	9.4	1844.7	6.6	1869.2	7.6	3.01									
22	781.0	0.709347	326000	0.113300	0.000570	5700.0	2500.0	5.047000	0.028000	0.707660	1791.5	8.3	1826.9	4.8	1854.7	9.1	3.41									
23	1121.0	0.761820	457000	0.115720	0.000620	3660.0	390.0	5.131000	0.032000	0.686830	1787.0	11.0	1840.8	5.2	1890.1	9.7	5.45									
24	1010.0	0.861386	370000	0.119070	0.000990	1630.0	110.0	5.000000	0.100000	0.917160	1700.0	23.0	1815.0	17.0	1940.0	15.0	12.37									
25	924.0	0.806277	434000	0.116900	0.000590	2780.0	200.0	5.332000	0.044000	0.834940	1833.0	15.0	1873.2	7.1	1908.5	9.0	3.96									
26	1641.0	0.619744	684000	0.118630	0.000550	1950.0	110.0	5.255000	0.033000	0.785490	1786.0	12.0	1861.1	5.4	1935.0	8.2	7.70									
27	896.0	0.583705	353200	0.133900	0.001600	661.0	41.0	4.744000	0.040000	0.446230	1474.0	16.0	1773.7	7.1	2142.0	20.0	31.19									
28	925.0	0.569730	377000	0.116800	0.001100	1640.0	140.0	4.856000	0.051000	0.583870	1690.0	14.0	1794.2	8.7	1907.0	17.0	11.38									
29	870.0	0.742529	354800	0.114690	0.000580	2460.0	160.0	5.016000	0.038000	0.785860	1769.0	12.0	1821.3	6.4	1874.0	9.1	5.60									
30	1133.0	0.590468	451000	0.111550	0.000590	6900.0	1300.0	5.022000	0.056000	0.888310	1815.0	17.0	1821.8	9.5	1823.9	9.5	0.49									
31	927.0	0.473571	368000	0.110300	0.000570	7800.0	4700.0	4.910000	0.029000	0.613840	1795.3	9.4	1803.7	5.1	1803.8	9.4	0.47									
32	487.0	0.624230	215300	0.111430	0.000460	5500.0	2500.0	5.089000	0.027000	0.643340	1840.7	7.6	1833.7	4.4	1821.8	7.4	-1.04									
33	1138.0	0.601054	500000	0.121600	0.001100	1260.0	110.0	5.334000	0.051000	0.507420	1773.0	11.0	1873.0	8.2	1976.0	15.0	10.27									

Sample 65 (continued)

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		<sup>206</sup> Pb/ <sup>238</sup> U		<sup>207</sup> Pb/ <sup>235</sup> U		Error correla- tion 6/38 vs 7/35		Apparent isotopic dates [Ma]		2 Age <sup>206</sup> Pb/ <sup>238</sup> U S.E.	2 Age <sup>207</sup> Pb/ <sup>235</sup> U S.E.	2 Age <sup>206</sup> Pb/ <sup>208</sup> Pb S.E.	Discord- ance [%]		
				<sup>207</sup> Pb/ <sup>208</sup> Pb	S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	S.E.					<sup>206</sup> Pb/ <sup>238</sup> U	S.E.
34	368.0	0.657609	158000	0.109140	0.000470	11000.0	11000.0	4.953000	0.044000	0.328000	0.003000	0.873200	1828.0	14.0	1809.9	7.4	1785.7	7.9	-2.37
<b>35</b>	<b>738.0</b>	<b>0.966125</b>	<b>268000</b>	<b>0.109530</b>	<b>0.000800</b>	<b>1000.0</b>	<b>6000.0</b>	<b>4.672000</b>	<b>0.038000</b>	<b>0.307800</b>	<b>0.002300</b>	<b>0.597590</b>	<b>1730.0</b>	<b>12.0</b>	<b>1761.9</b>	<b>6.9</b>	<b>1791.0</b>	<b>13.0</b>	<b>3.41</b>
36	771.0	0.466926	296900	0.112580	0.000710	2990.0	210.0	4.894000	0.031000	0.315000	0.002300	0.618450	1765.0	11.0	1801.7	5.6	1842.0	11.0	4.18
37	597.0	0.621441	266100	0.122120	0.000690	985.0	40.0	4.677000	0.047000	0.278100	0.003300	0.865640	1581.0	17.0	1761.9	8.3	1986.0	10.0	20.39
38	525.0	0.560000	231000	0.116230	0.000570	2250.0	200.0	5.295000	0.097000	0.330700	0.006300	0.969040	1838.0	30.0	1866.0	15.0	1897.8	8.7	3.15
39	1208.0	0.407285	478000	0.113350	0.000630	3750.0	440.0	4.774000	0.040000	0.305400	0.002700	0.799150	1718.0	13.0	1779.6	6.9	1853.0	10.0	7.29
40	631.0	0.503962	253900	0.111130	0.000460	7800.0	2000.0	4.644000	0.036000	0.302200	0.002200	0.844820	1702.0	11.0	1756.5	6.5	1817.3	7.5	6.34
41	901.0	0.524972	443200	0.119910	0.000590	1332.0	64.0	5.381000	0.050000	0.324600	0.002400	0.859970	1812.0	12.0	1881.1	8.2	1954.2	8.9	7.28
42	991.0	0.439960	430000	0.110740	0.000550	7000.0	3900.0	5.325000	0.032000	0.348200	0.002200	0.647930	1926.0	10.0	1872.6	5.2	1810.9	9.0	-6.36
43	703.0	0.672831	331000	0.123130	0.000830	901.0	39.0	5.396000	0.074000	0.316800	0.004300	0.883950	1773.0	21.0	1882.0	12.0	2001.0	12.0	11.39
44	924.0	0.497835	366800	0.114070	0.000760	3300.0	360.0	4.570000	0.043000	0.290500	0.001900	0.790730	1643.6	9.7	1744.2	8.2	1864.0	12.0	11.82
45	1036.0	0.548263	460000	0.127400	0.001400	852.0	58.0	5.260000	0.068000	0.298200	0.002200	0.573460	1682.0	11.0	1860.0	11.0	2062.0	19.0	18.43
46	784.0	0.262755	282000	0.111370	0.000480	4080.0	740.0	4.169000	0.058000	0.270800	0.003600	0.954570	1544.0	18.0	1667.0	12.0	1821.1	7.8	15.22
47	1186.0	1.028668	464000	0.116570	0.000760	1830.0	110.0	4.331000	0.065000	0.268300	0.003200	0.886600	1531.0	16.0	1696.0	12.0	1902.0	12.0	19.51
48	1157.0	0.676750	497800	0.114960	0.000480	3270.0	200.0	4.786000	0.033000	0.301100	0.002300	0.827550	1696.0	11.0	1781.6	5.8	1878.4	7.5	9.71
49	1515.0	0.533993	622000	0.112320	0.000530	6220.0	490.0	4.726000	0.080000	0.303400	0.004900	0.953870	1706.0	24.0	1768.0	14.0	1837.5	8.8	7.16
50	720.0	0.608333	288000	0.112430	0.000640	7800.0	3900.0	4.626000	0.029000	0.297100	0.001700	0.528310	1676.7	8.6	1753.7	5.2	1838.0	10.0	8.78
51	686.0	0.346939	303000	0.110790	0.000650	10700.0	3800.0	4.715000	0.047000	0.307200	0.003000	0.772760	1727.0	15.0	1769.2	8.4	1812.0	11.0	4.69
<b>52</b>	<b>955.0</b>	<b>0.467016</b>	<b>400500</b>	<b>0.111820</b>	<b>0.000600</b>	<b>11400.0</b>	<b>2500.0</b>	<b>5.019000</b>	<b>0.030000</b>	<b>0.325000</b>	<b>0.002400</b>	<b>0.990730</b>	<b>1814.0</b>	<b>12.0</b>	<b>1822.2</b>	<b>5.1</b>	<b>1828.4</b>	<b>9.7</b>	<b>0.79</b>
53	689.0	0.483309	303000	0.112940	0.000520	6700.0	1100.0	4.915000	0.038000	0.314600	0.002500	0.846640	1763.0	12.0	1804.0	6.5	1846.3	8.2	4.51
54	710.0	0.925352	328300	0.119380	0.000610	1552.0	74.0	5.326000	0.034000	0.322700	0.002000	0.713880	1802.7	9.9	1872.5	5.5	1945.9	9.1	7.36
55	793.0	0.590164	367000	0.118980	0.000900	2160.0	230.0	5.283000	0.051000	0.320600	0.002200	0.628710	1792.0	11.0	1865.3	8.1	1939.0	13.0	7.58
56	609.0	0.727422	250800	0.116210	0.000800	2760.0	380.0	4.828000	0.040000	0.300100	0.002900	0.705130	1691.0	14.0	1788.9	6.9	1898.0	13.0	10.91
57	825.0	0.529697	339500	0.115740	0.000560	2560.0	170.0	4.610000	0.033000	0.288400	0.001800	0.744750	1633.0	8.8	1750.9	5.9	1890.2	8.7	13.61
58	1140.0	0.947368	442000	0.115660	0.000730	2300.0	170.0	4.707000	0.048000	0.295100	0.003400	0.844550	1666.0	17.0	1767.5	8.5	1889.0	11.0	11.81
59	709.0	0.641749	275800	0.112950	0.000860	9500.0	4000.0	4.765000	0.045000	0.305500	0.003200	0.714810	1718.0	16.0	1778.1	8.0	1846.0	14.0	6.93
60	826.0	0.914044	361000	0.114090	0.000510	6100.0	1400.0	5.047000	0.039000	0.319900	0.002300	0.862820	1789.0	11.0	1826.4	6.7	1864.7	8.0	4.06

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 66

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]										Discord- ance [%]	
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>238</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>238</sup> U		2
1	272.0	0.941176	79000	0.120500	0.001400	893.0	98.0	4.166000	0.065000	0.253400	0.003900	0.724280	1455.0	20.0	1668.0	13.0	1959.0	20.0	25.73
2	160.9	1.042262	49200	0.103550	0.000530	-230.0	990.0	4.094000	0.050000	0.286200	0.003400	0.906600	1621.0	17.0	1650.0	9.7	1687.6	9.4	3.95
3	631.0	1.103011	191600	0.108880	0.000680	2590.0	270.0	4.293000	0.040000	0.285100	0.002500	0.807730	1618.0	13.0	1691.1	7.5	1781.0	11.0	9.15
4	335.1	0.769024	117700	0.128600	0.001100	565.0	32.0	4.650000	0.058000	0.262700	0.002700	0.775450	1503.0	14.0	1758.0	11.0	2078.0	15.0	27.67
5	127.4	0.855573	38500	0.109400	0.001000	1450.0	880.0	4.031000	0.047000	0.267700	0.003700	0.742760	1528.0	19.0	1638.2	9.6	1786.0	16.0	14.45
6	352.0	0.664489	103200	0.106910	0.000620	1970.0	990.0	3.881000	0.025000	0.262800	0.001700	0.654440	1503.8	8.8	1609.2	5.2	1746.0	11.0	13.87
7	101.5	0.585222	24600	0.109800	0.001300	-43000.0	43000.0	3.379000	0.050000	0.222800	0.002900	0.712880	1296.0	15.0	1497.0	12.0	1791.0	21.0	27.64
8	296.0	0.587838	83600	0.106390	0.000840	1600.0	1700.0	3.856000	0.042000	0.262400	0.002400	0.730260	1502.0	12.0	1603.4	8.7	1736.0	14.0	13.48
9	133.1	1.137491	39430	0.124200	0.001700	700.0	100.0	4.288000	0.089000	0.251100	0.004100	0.762080	1444.0	21.0	1689.0	17.0	2014.0	23.0	28.30
10	277.5	1.196396	107600	0.132500	0.001300	450.0	24.0	5.049000	0.072000	0.275600	0.003400	0.751040	1569.0	17.0	1827.0	12.0	2130.0	17.0	26.34
11	386.0	0.658031	115200	0.107640	0.000720	1600.0	1700.0	4.051000	0.036000	0.273200	0.002600	0.835250	1556.0	13.0	1643.7	7.2	1758.0	12.0	11.49
12	151.0	1.344371	50600	0.105890	0.000640	1400.0	850.0	4.222000	0.035000	0.289200	0.002000	0.723360	1637.0	10.0	1677.6	6.8	1727.0	11.0	5.21
13	524.0	1.438931	161900	0.110250	0.000780	2760.0	340.0	4.067000	0.031000	0.267500	0.002200	0.661370	1528.0	11.0	1649.2	6.7	1802.0	13.0	15.21
14	338.0	1.227811	139300	0.152000	0.002800	351.0	31.0	5.241000	0.091000	0.249900	0.002700	0.213550	1437.0	14.0	1854.0	15.0	2351.0	32.0	38.88
15	161.4	0.501859	62200	0.136700	0.003300	536.0	51.0	4.910000	0.110000	0.260800	0.002000	-0.064229	1495.0	10.0	1799.0	18.0	2165.0	39.0	30.95
16	204.0	2.715686	52300	0.127500	0.001400	518.0	43.0	3.477000	0.042000	0.197300	0.002100	0.587850	1161.0	11.0	1521.0	9.5	2060.0	19.0	43.64
17	106.7	1.057170	31600	0.107000	0.001100	1100.0	1800.0	3.916000	0.045000	0.265900	0.003200	0.608820	1519.0	16.0	1615.4	9.3	1745.0	18.0	12.95
18	115.6	0.788062	36170	0.109440	0.000970	680.0	730.0	4.019000	0.050000	0.264900	0.002300	0.620560	1514.0	12.0	1636.0	10.0	1788.0	17.0	15.32
19	139.4	1.131994	46210	0.103740	0.000570	-200.0	730.0	3.921000	0.032000	0.274200	0.002000	0.764640	1561.0	10.0	1617.4	6.5	1691.0	10.0	7.69
20	107.2	0.957447	31590	0.107820	0.000820	1020.0	500.0	3.598000	0.034000	0.241700	0.001900	0.642340	1396.0	10.0	1548.6	7.2	1760.0	14.0	20.68
21	118.2	1.065990	38000	0.107430	0.000930	-4100.0	7200.0	4.158000	0.039000	0.281100	0.002400	0.556500	1596.0	12.0	1664.6	7.7	1755.0	16.0	9.06
22	130.8	1.064220	58800	0.150900	0.003000	353.0	33.0	5.410000	0.140000	0.258800	0.003000	0.646260	1483.0	15.0	1877.0	21.0	2340.0	34.0	36.62
23	111.5	0.998206	36800	0.109100	0.001200	990.0	620.0	4.353000	0.057000	0.289300	0.003600	0.610060	1637.0	18.0	1702.0	11.0	1787.0	20.0	8.39
24	113.7	0.857520	34400	0.106680	0.000680	1020.0	680.0	3.687000	0.047000	0.251500	0.003200	0.868330	1445.0	17.0	1565.0	10.0	1730.0	12.0	16.47
25	133.9	0.707244	36900	0.118000	0.001300	1310.0	590.0	3.418000	0.064000	0.210900	0.005100	0.875140	1231.0	27.0	1504.0	15.0	1920.0	20.0	35.89
26	284.0	0.640845	88000	0.107710	0.000680	1200.0	1600.0	4.025000	0.045000	0.269600	0.002600	0.801570	1541.0	14.0	1637.1	8.8	1759.0	11.0	12.39
27	120.3	0.645885	38100	0.129400	0.002200	330.0	250.0	3.853000	0.083000	0.215500	0.002900	0.649630	1257.0	15.0	1597.0	18.0	2077.0	29.0	39.48
28	206.3	0.793020	60100	0.117360	0.000840	1030.0	110.0	3.733000	0.033000	0.231700	0.002500	0.657310	1343.0	10.0	1577.7	7.0	1915.0	13.0	29.87
29	164.6	1.052855	47210	0.102850	0.000690	430.0	890.0	3.782000	0.024000	0.268300	0.001600	0.409530	1531.7	8.2	1589.0	5.1	1674.0	13.0	8.50
30	150.6	0.842629	43300	0.106510	0.000970	-5300.0	6500.0	3.778000	0.036000	0.258300	0.002000	0.485110	1481.0	10.0	1586.9	7.6	1737.0	17.0	14.74
31	311.0	0.575563	101500	0.118900	0.001100	874.0	58.0	4.160000	0.076000	0.254000	0.003200	0.882620	1459.0	17.0	1663.0	15.0	1937.0	16.0	24.68
32	361.0	1.094183	122600	0.105920	0.000660	3100.0	1600.0	4.133000	0.045000	0.284500	0.003100	0.893550	1616.0	16.0	1661.3	9.3	1729.0	11.0	6.54
33	275.0	0.688364	76300	0.104060	0.000600	-200.0	1600.0	3.665000	0.039000	0.256600	0.002500	0.842490	1472.0	13.0	1563.3	8.5	1697.0	11.0	13.26

Sample 66 (continued)

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]				Discord- ance [%]					
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U						
				S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.						
34	662.0	0.465257	191000	0.185400	0.004800	15.0	4.550000	0.150000	0.188000	0.010000	1102.0	56.0	1726.0	27.0	2675.0	44.0	58.80
<b>35</b>	<b>409.0</b>	<b>0.472616</b>	<b>111900</b>	<b>0.104240</b>	<b>0.000850</b>	<b>3000.0</b>	<b>3.898000</b>	<b>0.037000</b>	<b>0.272600</b>	<b>0.002000</b>	<b>1554.0</b>	<b>10.0</b>	<b>1612.7</b>	<b>7.6</b>	<b>1702.0</b>	<b>16.0</b>	<b>8.70</b>
36	288.0	0.871528	91200	0.124400	0.001800	742.0	4.255000	0.071000	0.249000	0.002000	1433.0	10.0	1682.0	14.0	2013.0	24.0	28.81
37	383.0	0.634465	116600	0.109850	0.000870	3000.0	4.187000	0.044000	0.278000	0.003200	1580.0	16.0	1670.4	8.6	1797.0	14.0	12.08
38	198.3	1.142713	59100	0.107920	0.000750	200.0	3.916000	0.038000	0.264300	0.002400	1511.0	12.0	1615.6	7.8	1762.0	13.0	14.25
39	577.0	0.882149	186900	0.126400	0.001800	783.0	4.389000	0.075000	0.252800	0.001800	1452.9	9.0	1709.0	14.0	2041.0	25.0	28.81
40	355.0	0.969014	114400	0.144900	0.002400	376.0	4.410000	0.100000	0.221400	0.003000	1288.0	16.0	1709.0	19.0	2278.0	28.0	43.46
41	197.1	0.654490	55000	0.195900	0.004900	165.0	3.771000	0.076000	0.141600	0.002500	853.0	14.0	1582.0	16.0	2770.0	42.0	69.21
42	412.0	0.805825	153500	0.134000	0.001000	461.0	4.852000	0.048000	0.264000	0.001800	1509.8	9.3	1792.8	8.5	2149.0	13.0	29.74
43	218.6	0.691674	70300	0.111830	0.000780	1440.0	4.102000	0.037000	0.265600	0.001700	1518.1	8.7	1653.7	7.3	1827.0	13.0	16.91
44	339.8	0.748676	116700	0.116750	0.000810	1286.0	4.372000	0.036000	0.272300	0.002000	1552.0	10.0	1706.3	6.9	1905.0	12.0	18.53
45	218.9	1.005025	59290	0.106300	0.001600	800.0	4.094000	0.059000	0.282200	0.003800	1602.0	19.0	1652.0	12.0	1734.0	29.0	7.61
46	227.0	0.659912	68800	0.105650	0.000750	-200.0	4.178000	0.036000	0.285400	0.002200	1618.0	11.0	1668.8	7.0	1723.0	13.0	6.09
47	434.0	0.993088	120200	0.105900	0.000950	4200.0	4.240000	0.070000	0.290100	0.004600	1641.0	23.0	1682.0	14.0	1730.0	17.0	5.14
48	278.0	1.086331	85700	0.110000	0.001500	1970.0	4.215000	0.055000	0.278500	0.004200	1583.0	21.0	1676.0	11.0	1795.0	25.0	11.81
<b>49</b>	<b>97.1</b>	<b>0.930999</b>	<b>30080</b>	<b>0.104120</b>	<b>0.000740</b>	<b>470.0</b>	<b>4.123000</b>	<b>0.049000</b>	<b>0.286200</b>	<b>0.003200</b>	<b>1622.0</b>	<b>16.0</b>	<b>1656.5</b>	<b>9.7</b>	<b>1697.0</b>	<b>13.0</b>	<b>4.42</b>
50	233.0	1.085837	79900	0.139700	0.001900	399.0	4.675000	0.057000	0.244200	0.004200	1407.0	22.0	1761.0	11.0	2214.0	23.0	36.45
51	338.4	0.831560	101500	0.126100	0.002900	1080.0	4.010000	0.120000	0.229200	0.002300	1330.0	12.0	1627.0	22.0	2023.0	36.0	34.26
52	208.6	1.026366	57600	0.107300	0.001400	1400.0	4.136000	0.069000	0.279900	0.003700	1590.0	18.0	1660.0	14.0	1751.0	23.0	9.19
53	160.0	1.160000	52400	0.124200	0.001200	800.0	4.102000	0.045000	0.238100	0.001900	1376.7	9.9	1653.0	9.0	2014.0	17.0	31.64
54	147.3	0.716225	50480	0.158400	0.001900	254.0	4.830000	0.062000	0.222400	0.003300	1294.0	17.0	1789.0	11.0	2434.0	21.0	46.84
55	405.0	0.600000	116200	0.119100	0.001500	1140.0	3.980000	0.050000	0.242200	0.002500	1398.0	13.0	1628.0	10.0	1937.0	21.0	27.83
56	128.8	0.572205	38300	0.114500	0.001100	1100.0	4.193000	0.073000	0.265900	0.003500	1519.0	18.0	1670.0	14.0	1868.0	17.0	18.68
57	426.0	0.701878	128800	0.115180	0.000990	1350.0	4.349000	0.048000	0.271900	0.002200	1550.0	11.0	1701.7	9.1	1881.0	16.0	17.60
<b>58</b>	<b>415.3</b>	<b>0.489526</b>	<b>119900</b>	<b>0.105080</b>	<b>0.000770</b>	<b>4300.0</b>	<b>3.903000</b>	<b>0.037000</b>	<b>0.269400</b>	<b>0.002900</b>	<b>1537.0</b>	<b>15.0</b>	<b>1613.5</b>	<b>7.5</b>	<b>1716.0</b>	<b>13.0</b>	<b>10.43</b>
59	357.0	0.459944	83100	0.109050	0.000600	2640.0	3.112000	0.032000	0.206600	0.002100	1210.0	11.0	1434.3	8.0	1782.0	10.0	32.10
60	81.7	1.011016	42900	0.162100	0.002600	217.0	6.500000	0.120000	0.290200	0.003400	1641.0	17.0	2038.0	16.0	2465.0	28.0	33.43

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 67

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]										Discord-ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>206</sup> Pb	2	S.E.	<sup>207</sup> Pb/ <sup>238</sup> U	2	S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2		S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2
1	933.0	0.949625	302000	0.115000	0.001200	1390.0	110.0	3.938000	0.079000	0.249800	0.005100	0.866580	1436.0	26.0	1617.0	16.0	1875.0	19.0	23.41
2	619.0	0.762520	177500	0.110370	0.000830	2320.0	200.0	3.359000	0.054000	0.221700	0.003900	0.897020	1289.0	20.0	1491.0	13.0	1802.0	14.0	28.47
3	545.0	0.845872	168800	0.107760	0.000930	4160.0	910.0	3.845000	0.064000	0.260100	0.004700	0.880750	1489.0	24.0	1599.0	14.0	1759.0	16.0	15.35
4	1256.0	1.433121	243800	0.101270	0.000970	3080.0	280.0	2.444000	0.065000	0.175400	0.004200	0.937710	1041.0	23.0	1250.0	19.0	1645.0	18.0	36.72
5	891.0	1.358025	189000	0.106900	0.001100	2920.0	530.0	2.720000	0.087000	0.185800	0.006000	0.945250	1097.0	33.0	1327.0	24.0	1744.0	18.0	37.10
6	1370.0	0.562044	300000	0.145300	0.001800	315.0	11.0	2.823000	0.066000	0.142000	0.003800	0.945050	855.0	22.0	1358.0	18.0	2287.0	21.0	62.61
7	1517.0	0.944628	482000	0.129400	0.005200	900.0	120.0	3.720000	0.180000	0.210800	0.005700	0.534450	1231.0	30.0	1564.0	37.0	2050.0	63.0	39.95
8	1218.0	0.894089	399000	0.126700	0.001800	732.0	79.0	3.897000	0.078000	0.222600	0.005700	0.840910	1314.0	30.0	1613.0	17.0	2047.0	25.0	35.81
9	1195.0	0.732218	232500	0.120500	0.001500	732.0	56.0	2.339000	0.068000	0.142000	0.004900	0.937940	854.0	27.0	1215.0	20.0	1959.0	22.0	56.41
10	7.2	0.777778	1520	0.175000	0.028000	12.0	35.0	3.180000	0.550000	0.173000	0.030000	0.727170	990.0	160.0	1290.0	140.0	2060.0	340.0	51.94
11	50.0	1.000000	13000	0.130000	0.029000	230.0	130.0	4.700000	1.100000	0.290000	0.120000	0.649720	1590.0	520.0	1720.0	210.0	1990.0	410.0	20.10
12	1.2	0.991304	2580	0.463000	0.093000	16.0	13.0	52.000000	19.000000	0.860000	0.350000	0.894370	3700.0	1200.0	3710.0	620.0	4050.0	280.0	8.64
13	33.0	1.666667	14000	0.147000	0.044000	100.0	250.0	8.300000	2.000000	0.438000	0.071000	-0.144250	2320.0	320.0	2230.0	190.0	2130.0	520.0	-8.92
14	744.0	1.186828	219000	0.109300	0.002300	5000.0	2400.0	4.140000	0.130000	0.276400	0.009400	0.785200	1571.0	47.0	1657.0	25.0	1781.0	39.0	11.79
15	1046.0	0.704589	262000	0.112800	0.001100	1422.0	80.0	3.298000	0.075000	0.212400	0.004500	0.909690	1240.0	24.0	1475.0	17.0	1842.0	17.0	32.68
16	926.0	0.601512	233500	0.111400	0.001900	1860.0	190.0	3.536000	0.084000	0.231400	0.006600	0.807350	1341.0	35.0	1533.0	19.0	1818.0	31.0	26.24
17	559.0	0.713775	174900	0.106300	0.001100	3500.0	1700.0	4.179000	0.092000	0.285800	0.006700	0.886720	1619.0	33.0	1666.0	18.0	1737.0	20.0	6.79
18	1029.0	1.525753	194000	0.108700	0.001000	1770.0	160.0	2.636000	0.092000	0.176700	0.006300	0.965130	1046.0	34.0	1299.0	26.0	1774.0	17.0	41.04
19	874.0	0.645309	457000	0.207000	0.015000	198.0	20.0	6.530000	0.720000	0.224400	0.009800	0.937220	1308.0	53.0	2008.0	94.0	2800.0	100.0	53.29
20	449.0	0.832962	150000	0.110400	0.001100	2980.0	830.0	4.003000	0.076000	0.263200	0.005500	0.863260	1505.0	28.0	1632.0	15.0	1803.0	19.0	16.53
21	639.0	0.607199	215300	0.111700	0.001200	1870.0	160.0	4.005000	0.095000	0.261200	0.006000	0.889590	1494.0	31.0	1633.0	19.0	1824.0	20.0	18.09
22	620.0	1.200000	195600	0.104600	0.001100	2800.0	4400.0	3.880000	0.088000	0.268800	0.006300	0.867620	1533.0	32.0	1606.0	18.0	1705.0	20.0	10.09
23	876.0	0.578767	308000	0.109100	0.001200	3010.0	210.0	4.230000	0.080000	0.281800	0.005600	0.860660	1599.0	28.0	1676.0	16.0	1783.0	19.0	10.32
24	1087.0	1.195032	341700	0.134200	0.002500	466.0	27.0	3.930000	0.110000	0.214300	0.007800	0.871850	1249.0	41.0	1617.0	22.0	2147.0	33.0	41.83
25	299.2	0.785428	124000	0.104640	0.000890	1400.0	4100.0	4.361000	0.076000	0.302600	0.005500	0.894880	1702.0	28.0	1706.0	14.0	1705.0	16.0	0.18
26	462.0	1.058442	140400	0.106700	0.000850	3500.0	1200.0	3.334000	0.080000	0.222600	0.005500	0.947320	1316.0	29.0	1483.0	19.0	1743.0	14.0	24.50
27	221.6	0.843863	87300	0.104370	0.000890	-500.0	2700.0	4.179000	0.062000	0.290700	0.004900	0.861990	1643.0	24.0	1667.0	12.0	1700.0	16.0	3.35
28	258.0	0.872093	81900	0.105350	0.000990	2400.0	2300.0	4.088000	0.083000	0.282300	0.005500	0.896660	1604.0	28.0	1647.0	17.0	1717.0	17.0	6.58
29	1220.0	0.854918	191400	0.131500	0.001700	415.0	15.0	2.067000	0.067000	0.114500	0.003800	0.922700	698.0	22.0	1133.0	22.0	2114.0	23.0	66.98
30	151.3	0.529412	34380	0.114800	0.001600	960.0	570.0	3.021000	0.078000	0.191700	0.005300	0.890430	1129.0	29.0	1414.0	21.0	1870.0	26.0	39.63
31	456.0	1.059211	130000	0.108600	0.001700	3100.0	3600.0	4.067000	0.091000	0.273000	0.007300	0.820460	1554.0	37.0	1645.0	18.0	1772.0	28.0	12.30
32	956.0	0.981172	272500	0.107300	0.001400	7100.0	1400.0	3.998000	0.091000	0.271400	0.006600	0.981450	1546.0	34.0	1631.0	19.0	1750.0	24.0	11.66
33	645.0	0.995349	187300	0.107700	0.001400	3600.0	2900.0	4.006000	0.092000	0.270900	0.007000	0.858760	1544.0	35.0	1632.0	19.0	1758.0	24.0	12.17

Sample 67 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]										Discord-ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	2	S.E.	<sup>207</sup> Pb/ <sup>238</sup> U	2	S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	2	S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	2		S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2
34	616.0	0.766234	184000	0.108400	0.000990	4100.0	2000.0	3.795000	0.078000	0.254000	0.005700	0.918740	1457.0	29.0	1588.0	16.0	1770.0	17.0	17.68
<b>35</b>	<b>148.2</b>	<b>1.074224</b>	<b>44500</b>	<b>0.105400</b>	<b>0.001000</b>	<b>-300.0</b>	<b>1600.0</b>	<b>3.743000</b>	<b>0.072000</b>	<b>0.258600</b>	<b>0.005400</b>	<b>0.879330</b>	<b>1480.0</b>	<b>28.0</b>	<b>1577.0</b>	<b>15.0</b>	<b>1718.0</b>	<b>18.0</b>	<b>13.85</b>
36	774.0	1.250646	245000	0.111100	0.001000	3600.0	980.0	4.230000	0.081000	0.277400	0.005900	0.905110	1575.0	30.0	1675.0	16.0	1814.0	17.0	13.18
37	1103.0	0.980054	287000	0.110700	0.001200	1960.0	120.0	3.484000	0.087000	0.227500	0.005400	0.904950	1320.0	28.0	1518.0	20.0	1808.0	19.0	26.99
38	425.0	0.783529	147500	0.111620	0.000830	2050.0	180.0	3.990000	0.075000	0.257900	0.004700	0.915660	1477.0	24.0	1628.0	15.0	1823.0	14.0	18.98
39	241.5	0.832712	77900	0.111020	0.000830	1770.0	680.0	3.712000	0.059000	0.241500	0.003800	0.892180	1393.0	20.0	1569.0	13.0	1812.0	14.0	23.12
40	238.9	0.535370	71870	0.110130	0.000790	2080.0	780.0	3.366000	0.045000	0.220800	0.003000	0.863050	1285.0	16.0	1494.0	10.0	1800.0	13.0	28.61
<b>41</b>	<b>297.0</b>	<b>0.551852</b>	<b>96400</b>	<b>0.105720</b>	<b>0.000960</b>	<b>3300.0</b>	<b>2500.0</b>	<b>4.292000</b>	<b>0.075000</b>	<b>0.294300</b>	<b>0.005400</b>	<b>0.851930</b>	<b>1661.0</b>	<b>27.0</b>	<b>1689.0</b>	<b>14.0</b>	<b>1727.0</b>	<b>16.0</b>	<b>3.82</b>
42	558.0	0.734767	180100	0.108200	0.000750	3740.0	710.0	3.977000	0.062000	0.266100	0.004700	0.899240	1519.0	24.0	1626.0	13.0	1769.0	13.0	14.13
43	618.0	1.129450	194800	0.114500	0.001400	2010.0	450.0	4.058000	0.086000	0.258100	0.006800	0.869260	1477.0	35.0	1641.0	17.0	1864.0	23.0	20.76
44	960.0	1.048958	279000	0.112400	0.001100	1630.0	100.0	3.850000	0.080000	0.248000	0.004800	0.874350	1426.0	25.0	1601.0	17.0	1837.0	18.0	22.37
<b>45</b>	<b>467.0</b>	<b>0.822270</b>	<b>137000</b>	<b>0.106700</b>	<b>0.001600</b>	<b>5100.0</b>	<b>1700.0</b>	<b>4.050000</b>	<b>0.110000</b>	<b>0.274800</b>	<b>0.007100</b>	<b>0.894300</b>	<b>1563.0</b>	<b>36.0</b>	<b>1640.0</b>	<b>21.0</b>	<b>1740.0</b>	<b>27.0</b>	<b>10.17</b>
46	951.0	1.230284	233000	0.122500	0.001300	722.0	35.0	3.470000	0.150000	0.204900	0.008100	0.971440	1198.0	43.0	1505.0	33.0	1990.0	19.0	39.80
47	1066.0	0.714822	312000	0.132400	0.001400	492.0	19.0	3.748000	0.079000	0.206100	0.005200	0.915550	1207.0	28.0	1578.0	17.0	2127.0	18.0	43.25
<b>48</b>	<b>1030.0</b>	<b>0.766990</b>	<b>288000</b>	<b>0.132200</b>	<b>0.003800</b>	<b>789.0</b>	<b>98.0</b>	<b>3.715000</b>	<b>0.090000</b>	<b>0.205900</b>	<b>0.007700</b>	<b>0.724420</b>	<b>1203.0</b>	<b>41.0</b>	<b>1575.0</b>	<b>18.0</b>	<b>2102.0</b>	<b>47.0</b>	<b>42.77</b>
49	415.0	1.040964	123800	0.113800	0.001100	1860.0	760.0	3.818000	0.065000	0.243900	0.004800	0.875670	1405.0	25.0	1593.0	14.0	1859.0	17.0	24.42
50	454.0	0.645374	114900	0.112400	0.001200	1990.0	560.0	3.256000	0.074000	0.211200	0.006000	0.935390	1232.0	31.0	1465.0	17.0	1836.0	20.0	32.90
51	306.1	0.723946	100600	0.106800	0.001100	800.0	2300.0	4.082000	0.082000	0.277400	0.005400	0.874240	1577.0	27.0	1648.0	16.0	1743.0	18.0	9.52
52	1152.0	1.169271	221200	0.110000	0.001400	1840.0	160.0	2.708000	0.078000	0.179200	0.005700	0.907090	1061.0	31.0	1326.0	21.0	1801.0	22.0	41.09
53	461.0	1.099783	148000	0.109180	0.000970	4100.0	1700.0	3.858000	0.064000	0.256500	0.004300	0.862330	1471.0	22.0	1602.0	13.0	1783.0	16.0	17.50
54	685.0	0.935766	201000	0.118000	0.001400	1041.0	88.0	3.771000	0.069000	0.233200	0.005100	0.856270	1350.0	27.0	1584.0	15.0	1922.0	20.0	29.76
55	914.0	0.646608	227000	0.135700	0.002200	357.0	15.0	3.320000	0.130000	0.178700	0.006800	0.875840	1057.0	36.0	1479.0	30.0	2170.0	28.0	51.29
56	440.0	0.709091	127000	0.111300	0.001600	2160.0	390.0	4.010000	0.092000	0.262600	0.006700	0.823300	1501.0	34.0	1633.0	19.0	1817.0	27.0	17.39
<b>57</b>	<b>474.0</b>	<b>1.084388</b>	<b>144200</b>	<b>0.106200</b>	<b>0.001100</b>	<b>2200.0</b>	<b>3000.0</b>	<b>3.906000</b>	<b>0.077000</b>	<b>0.268300</b>	<b>0.006100</b>	<b>0.854150</b>	<b>1530.0</b>	<b>31.0</b>	<b>1611.0</b>	<b>16.0</b>	<b>1732.0</b>	<b>19.0</b>	<b>11.66</b>
58	970.0	1.302062	279300	0.106500	0.001100	4640.0	630.0	3.723000	0.088000	0.254600	0.006100	0.901960	1460.0	31.0	1572.0	19.0	1737.0	19.0	15.95
59	813.0	1.439114	229200	0.109000	0.001100	2510.0	170.0	3.584000	0.079000	0.238600	0.005100	0.903340	1378.0	27.0	1541.0	18.0	1779.0	18.0	22.54
60	695.0	0.589928	222200	0.137500	0.002300	384.0	20.0	3.577000	0.085000	0.189200	0.004300	0.746430	1116.0	23.0	1541.0	19.0	2191.0	29.0	49.06

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 68

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]										Discord-ance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>206</sup> Pb	2	S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	S.E.	<sup>207</sup> Pb/ <sup>235</sup> U	Age <sup>207</sup> Pb/ <sup>235</sup> U	2	S.E.		<sup>207</sup> Pb/ <sup>206</sup> Pb	2	S.E.
1	422.0	0.746445	53400	0.106600	0.001000	300.0	1300.0	4.564000	0.061000	0.308600	0.003900	0.744300	1736.0	20.0	1741.0	11.0	1739.0	18.0	0.17
2	93.8	0.511727	12750	0.113500	0.001700	-110.0	440.0	5.224000	0.092000	0.333100	0.004100	0.525960	1852.0	20.0	1852.0	15.0	1848.0	27.0	-0.22
3	398.0	0.508543	55720	0.107140	0.000840	1600.0	1100.0	5.150000	0.047000	0.347300	0.003400	0.604470	1921.0	16.0	1843.7	7.8	1749.0	14.0	-9.83
4	483.0	0.681159	68300	0.107660	0.000950	1800.0	2300.0	5.303000	0.054000	0.356400	0.003500	0.608850	1964.0	16.0	1869.4	8.4	1760.0	16.0	-11.59
5	91.6	0.683406	13420	0.107300	0.001300	-230.0	340.0	5.437000	0.070000	0.366600	0.004100	0.528750	2012.0	19.0	1889.0	11.0	1749.0	22.0	-15.04
6	1070.0	1.616822	153700	0.109900	0.001300	6200.0	3600.0	5.709000	0.088000	0.375100	0.005600	0.730050	2052.0	26.0	1931.0	13.0	1794.0	21.0	-14.38
7	422.0	0.699052	68000	0.111100	0.001400	2400.0	1500.0	5.758000	0.095000	0.373300	0.006400	0.728520	2044.0	30.0	1938.0	14.0	1818.0	23.0	-12.43
8	624.0	0.886218	85800	0.113400	0.001300	2100.0	1100.0	5.247000	0.088000	0.335500	0.006300	0.810780	1862.0	30.0	1859.0	14.0	1850.0	20.0	-0.65
9	198.0	0.966667	29180	0.108400	0.001000	150.0	730.0	5.492000	0.063000	0.365800	0.004000	0.643690	2008.0	19.0	1898.0	10.0	1769.0	17.0	-13.51
10	750.0	1.106667	81300	0.112600	0.001300	1080.0	700.0	4.462000	0.049000	0.287300	0.003300	0.502510	1627.0	16.0	1722.2	9.0	1835.0	21.0	11.34
11	674.0	0.599407	63400	0.107200	0.001000	2000.0	1000.0	4.100000	0.051000	0.277900	0.004100	0.726090	1579.0	21.0	1652.0	10.0	1751.0	17.0	9.82
12	623.0	1.017657	66900	0.114380	0.000880	1620.0	170.0	4.503000	0.051000	0.285400	0.003100	0.737540	1618.0	16.0	1730.0	9.4	1868.0	14.0	13.38
13	230.0	0.283478	25970	0.106100	0.001300	490.0	730.0	4.430000	0.110000	0.302900	0.008100	0.871770	1703.0	40.0	1713.0	21.0	1732.0	24.0	1.67
14	445.0	1.184270	41310	0.105000	0.001400	-380.0	990.0	4.133000	0.059000	0.286800	0.004100	0.633450	1624.0	21.0	1660.0	11.0	1708.0	24.0	4.92
15	150.1	0.363091	15230	0.104100	0.001200	-370.0	390.0	4.364000	0.058000	0.304900	0.003300	0.546800	1716.0	16.0	1705.0	11.0	1689.0	22.0	-1.60
16	272.0	1.150735	25400	0.104100	0.001100	790.0	920.0	4.118000	0.047000	0.286800	0.002900	0.577570	1624.0	15.0	1655.7	9.4	1695.0	19.0	4.19
17	170.0	0.678824	17280	0.106400	0.001200	360.0	300.0	4.273000	0.053000	0.291700	0.003400	0.576590	1649.0	17.0	1688.0	10.0	1733.0	20.0	4.85
18	376.0	0.856383	38650	0.104510	0.000960	200.0	1100.0	4.380000	0.046000	0.304300	0.003500	0.627930	1712.0	17.0	1708.0	8.5	1702.0	17.0	-0.59
19	201.1	0.497265	20080	0.102300	0.001700	-4100.0	3700.0	4.160000	0.077000	0.297800	0.005300	0.601010	1679.0	26.0	1663.0	15.0	1659.0	30.0	-1.21
20	110.2	0.794918	13840	0.107300	0.002500	110.0	400.0	4.380000	0.120000	0.296200	0.004300	0.539740	1672.0	22.0	1704.0	22.0	1743.0	42.0	4.07
21	444.0	1.243243	49900	0.105860	0.000910	1900.0	1000.0	4.344000	0.048000	0.299800	0.003000	0.680590	1689.0	15.0	1699.6	9.2	1725.0	16.0	2.09
22	437.0	0.674600	44600	0.103900	0.001400	-2400.0	3100.0	4.313000	0.061000	0.302900	0.004500	0.549670	1704.0	22.0	1694.0	12.0	1697.0	27.0	-0.41
23	293.0	0.952218	33140	0.105800	0.001000	6000.0	11000.0	4.416000	0.047000	0.304400	0.003300	0.574050	1712.0	16.0	1713.4	8.7	1722.0	18.0	0.58
24	415.0	0.879518	45600	0.104770	0.000900	200.0	1200.0	4.461000	0.078000	0.311100	0.005300	0.850900	1743.0	26.0	1718.0	14.0	1706.0	16.0	-2.17
25	905.0	0.603315	92900	0.114300	0.001600	1750.0	630.0	4.286000	0.071000	0.275100	0.005500	0.669780	1565.0	28.0	1688.0	14.0	1863.0	25.0	16.00
26	411.0	0.610706	43000	0.106390	0.000920	-1500.0	2500.0	4.084000	0.043000	0.278900	0.003300	0.720710	1585.0	17.0	1649.3	8.6	1736.0	16.0	8.70
27	602.0	0.628239	72800	0.112700	0.001500	1800.0	560.0	4.318000	0.082000	0.278100	0.003900	0.737810	1581.0	20.0	1693.0	16.0	1839.0	24.0	14.03
28	913.0	0.613363	86400	0.111100	0.000910	2800.0	590.0	4.128000	0.039000	0.268800	0.002900	0.707330	1534.0	15.0	1660.1	7.8	1819.0	14.0	15.67
29	233.0	0.666524	18220	0.109300	0.001100	570.0	320.0	3.475000	0.053000	0.229900	0.003600	0.788880	1335.0	19.0	1519.0	12.0	1781.0	19.0	25.04
30	654.0	0.596330	56500	0.105600	0.001400	1400.0	2500.0	4.139000	0.063000	0.284600	0.004100	0.584170	1614.0	20.0	1660.0	12.0	1719.0	25.0	6.11
31	202.4	0.866601	20640	0.105300	0.001100	-540.0	810.0	4.119000	0.055000	0.282500	0.003300	0.622340	1603.0	15.0	1656.0	11.0	1716.0	20.0	6.59
32	143.1	0.708595	13950	0.105700	0.001200	-70.0	400.0	4.329000	0.055000	0.295700	0.003100	0.561150	1669.0	15.0	1696.0	10.0	1720.0	21.0	2.97
33	104.0	0.337115	10260	0.104200	0.001800	510.0	300.0	3.973000	0.080000	0.275200	0.004600	0.597680	1566.0	23.0	1625.0	16.0	1696.0	30.0	7.67



Sample 68 (continued)

Anal-ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]										Discordance [%]			
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	2	S.E.	<sup>207</sup> Pb/ <sup>238</sup> U	2	S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	2	S.E.	Age <sup>207</sup> Pb/ <sup>238</sup> U	2		S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	2
34	543.0	0.551934	50000	0.107100	0.001200	800.0	1800.0	4.243000	0.064000	0.286900	0.004200	0.726590	1625.0	21.0	1683.0	12.0	1748.0	20.0	7.04
35	797.0	0.671267	80400	0.111260	0.000950	1590.0	590.0	4.634000	0.053000	0.301300	0.003200	0.707450	1697.0	16.0	1753.1	9.5	1818.0	15.0	6.66
36	428.4	1.078431	49140	0.114200	0.001300	1100.0	470.0	4.491000	0.061000	0.283300	0.003600	0.624670	1607.0	18.0	1728.0	11.0	1865.0	20.0	13.83
37	625.0	0.633600	65700	0.107700	0.000690	2700.0	1200.0	4.435000	0.042000	0.297900	0.002900	0.766260	1680.0	14.0	1717.3	7.8	1759.0	12.0	4.49
38	559.0	0.676208	58900	0.110400	0.001000	1400.0	1600.0	4.396000	0.051000	0.288000	0.003000	0.634980	1631.0	15.0	1709.2	9.6	1804.0	17.0	9.59
39	380.0	0.713158	38500	0.106100	0.001100	-170.0	940.0	4.402000	0.060000	0.301200	0.004100	0.705130	1698.0	21.0	1712.0	11.0	1730.0	20.0	1.85
40	130.2	0.850998	13470	0.106000	0.001100	-110.0	490.0	4.385000	0.051000	0.300000	0.003100	0.601620	1690.0	15.0	1707.2	9.7	1728.0	18.0	2.20
41	379.0	0.931398	36900	0.106200	0.001100	-400.0	1200.0	4.285000	0.067000	0.292300	0.004900	0.824230	1651.0	25.0	1688.0	13.0	1730.0	18.0	4.57
42	246.0	1.101626	25790	0.105300	0.001000	-580.0	660.0	4.441000	0.051000	0.304800	0.003200	0.584120	1714.0	16.0	1717.7	9.4	1718.0	18.0	0.23
43	848.0	0.649764	84700	0.105950	0.000840	8000.0	5200.0	4.227000	0.040000	0.288200	0.002800	0.716360	1632.0	14.0	1677.9	7.7	1728.0	15.0	5.56
44	287.0	0.550523	33800	0.110300	0.001100	870.0	680.0	4.922000	0.056000	0.322700	0.003700	0.632080	1802.0	18.0	1805.2	9.8	1803.0	17.0	0.06
45	237.6	0.501263	45730	0.172900	0.003100	225.0	12.0	8.060000	0.150000	0.337000	0.003900	0.396180	1871.0	19.0	2232.0	17.0	2572.0	31.0	27.26
46	449.0	1.062361	38000	0.107900	0.001200	-300.0	1400.0	4.144000	0.048000	0.280100	0.003400	0.579630	1591.0	17.0	1661.8	9.5	1760.0	20.0	9.60
47	225.0	0.813333	30500	0.142200	0.004500	410.0	140.0	5.930000	0.210000	0.301700	0.003200	0.555810	1699.0	16.0	1943.0	31.0	2202.0	55.0	22.84
48	155.0	0.832258	14360	0.103400	0.001100	8800.0	5200.0	4.562000	0.063000	0.306400	0.004000	0.667730	1721.0	20.0	1702.0	12.0	1684.0	20.0	-2.20
49	406.0	0.606897	38600	0.106700	0.000800	970.0	690.0	4.275000	0.049000	0.290800	0.003100	0.750530	1644.0	16.0	1686.2	9.5	1740.0	14.0	5.52
50	123.8	0.819063	12150	0.107100	0.001200	1200.0	1100.0	4.477000	0.068000	0.303200	0.003700	0.690240	1706.0	18.0	1723.0	13.0	1748.0	20.0	2.40
51	441.0	1.092971	43000	0.111100	0.001100	1530.0	720.0	4.421000	0.050000	0.289800	0.002900	0.565690	1641.0	15.0	1716.0	9.5	1811.0	18.0	9.39
52	113.0	0.641593	10700	0.104400	0.001300	70.0	340.0	4.417000	0.058000	0.308800	0.003100	0.448930	1734.0	15.0	1713.0	11.0	1694.0	24.0	-2.36
53	725.4	0.660325	68700	0.110700	0.001100	1300.0	1100.0	4.546000	0.065000	0.298000	0.003500	0.641760	1681.0	17.0	1738.0	12.0	1807.0	19.0	6.97

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 69

Anal-ysis	Isotopic ratios															Apparent isotopic dates [Ma]															Discord-ance [%]
	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>207</sup> Pb/ <sup>208</sup> Pb	2	S.E.	<sup>206</sup> Pb/ <sup>208</sup> Pb	2	S.E.	2	S.E.	<sup>206</sup> Pb/ <sup>238</sup> U	2	S.E.	Error correlation 6/38 vs 7/25	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2	S.E.	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2	S.E.						
																										2	S.E.	2	S.E.	2	
1	283.0	0.925795	47100	0.126700	0.001600	820.0	240.0	5.330000	0.110000	0.302600	0.005200	0.744270	1703.0	26.0	1870.0	17.0	2053.0	23.0	17.05												
2	551.0	0.754991	70300	0.106700	0.001400	-300.0	3500.0	4.286000	0.076000	0.295500	0.005900	0.762150	1668.0	29.0	1688.0	15.0	1740.0	24.0	4.14												
3	515.0	0.902913	65400	0.114400	0.003000	1100.0	1800.0	4.360000	0.100000	0.286300	0.007600	0.456840	1628.0	40.0	1701.0	20.0	1818.0	50.0	10.45												
4	408.7	1.240519	58600	0.105500	0.001300	1100.0	2500.0	4.504000	0.057000	0.310300	0.003300	0.486490	1742.0	16.0	1730.0	11.0	1725.0	21.0	-0.99												
5	573.0	0.414834	79700	0.106800	0.001600	2900.0	1900.0	4.518000	0.069000	0.307200	0.005200	0.598630	1725.0	26.0	1732.0	13.0	1748.0	28.0	1.32												
6	330.0	0.579091	44600	0.107100	0.001500	400.0	1700.0	4.338000	0.077000	0.292500	0.004300	0.630540	1653.0	21.0	1699.0	14.0	1747.0	26.0	5.38												
7	581.0	0.635112	83600	0.106500	0.000980	-60000.0	15000.0	4.592000	0.055000	0.313000	0.003900	0.688690	1755.0	19.0	1746.0	10.0	1738.0	17.0	-0.98												
8	1266.0	0.827014	181200	0.105700	0.000980	-200000.0	400000.0	4.603000	0.063000	0.315800	0.004100	0.766170	1768.0	20.0	1748.0	11.0	1724.0	17.0	-2.55												
9	199.3	0.893628	26450	0.107400	0.001100	360.0	460.0	4.164000	0.085000	0.280700	0.005700	0.852300	1593.0	29.0	1661.0	17.0	1751.0	20.0	9.02												
10	329.0	0.648328	55700	0.120300	0.002600	830.0	180.0	5.300000	0.140000	0.323800	0.006800	0.601510	1807.0	33.0	1869.0	24.0	1952.0	39.0	7.43												
11	433.8	0.702858	65720	0.103670	0.000950	1400.0	1700.0	4.565000	0.043000	0.320000	0.003400	0.544340	1788.0	17.0	1743.1	8.2	1686.0	17.0	-6.05												
12	132.7	4.762622	18500	0.114100	0.004000	700.0	520.0	4.530000	0.160000	0.293800	0.009800	0.434740	1658.0	48.0	1732.0	28.0	1866.0	58.0	11.15												
13	847.0	0.657615	174800	0.142300	0.001500	350.0	12.0	6.072000	0.066000	0.309900	0.003500	0.508290	1742.0	17.0	1984.8	9.5	2252.0	19.0	22.65												
14	1294.0	1.785162	146700	0.118200	0.001400	1012.0	85.0	3.443000	0.051000	0.212500	0.004300	0.845110	1241.0	23.0	1512.0	12.0	1925.0	21.0	35.53												
15	1071.0	0.925303	141200	0.104540	0.000940	9100.0	3800.0	4.020000	0.067000	0.279900	0.004700	0.822250	1585.0	24.0	1636.0	14.0	1709.0	17.0	7.26												
16	488.0	0.762295	74300	0.103770	0.000910	300.0	1500.0	4.465000	0.049000	0.311700	0.003600	0.679900	1748.0	18.0	1724.2	8.8	1691.0	16.0	-3.37												
17	617.0	1.116694	95100	0.105440	0.000830	-14000.0	13000.0	4.729000	0.046000	0.325500	0.003300	0.701510	1816.0	16.0	1771.0	8.2	1719.0	14.0	-5.64												
18	717.0	0.559275	100000	0.105600	0.001200	2000.0	1400.0	4.169000	0.050000	0.286300	0.003900	0.601050	1623.0	19.0	1666.9	9.8	1721.0	22.0	5.69												
19	1075.0	1.404651	153200	0.114500	0.001500	1610.0	180.0	4.485000	0.052000	0.285500	0.004600	0.546340	1618.0	23.0	1726.7	9.7	1862.0	24.0	13.10												
20	1683.0	1.384433	214300	0.111170	0.000930	2700.0	580.0	3.817000	0.062000	0.248500	0.004700	0.904980	1429.0	24.0	1595.0	13.0	1816.0	15.0	21.31												
21	600.0	0.680000	89000	0.105800	0.000910	2400.0	2800.0	4.490000	0.041000	0.305900	0.002900	0.572470	1722.0	14.0	1728.1	7.6	1725.0	16.0	0.17												
22	228.6	0.440070	32980	0.104800	0.001300	290.0	720.0	4.426000	0.058000	0.307000	0.004000	0.562190	1727.0	19.0	1718.0	11.0	1706.0	23.0	-1.23												
23	664.0	0.796687	109500	0.116100	0.002100	1830.0	750.0	5.005000	0.099000	0.312700	0.004400	0.438630	1753.0	22.0	1819.0	17.0	1888.0	32.0	7.15												
24	332.8	0.771334	53270	0.111600	0.001200	1170.0	710.0	4.784000	0.055000	0.309300	0.003100	0.494540	1737.0	15.0	1780.0	9.7	1819.0	20.0	4.51												
25	853.0	0.704572	110300	0.110900	0.001300	1900.0	1000.0	4.180000	0.088000	0.274300	0.005800	0.850780	1561.0	30.0	1667.0	18.0	1811.0	21.0	13.80												
26	421.0	0.938242	67300	0.108040	0.000740	-800000.0	170000.0	4.759000	0.063000	0.317200	0.003700	0.842730	1775.0	18.0	1775.0	11.0	1766.0	12.0	-0.51												
27	544.0	1.397059	88900	0.109500	0.001000	3500.0	1600.0	5.012000	0.062000	0.329900	0.003200	0.624010	1837.0	15.0	1821.0	10.0	1790.0	17.0	-2.63												
28	1087.0	1.241950	125200	0.117300	0.001700	1500.0	350.0	3.610000	0.110000	0.224400	0.008600	0.946630	1308.0	46.0	1545.0	23.0	1910.0	26.0	31.52												
29	855.0	1.318129	124900	0.105540	0.000860	1900.0	3600.0	4.251000	0.041000	0.292600	0.003200	0.685910	1653.0	16.0	1684.5	7.9	1721.0	15.0	3.95												
30	297.0	1.925926	43500	0.111500	0.001500	600.0	1200.0	4.680000	0.110000	0.304700	0.006700	0.830640	1712.0	33.0	1757.0	21.0	1819.0	25.0	5.88												
31	428.0	0.766355	60000	0.108300	0.001100	1500.0	1500.0	4.142000	0.059000	0.276500	0.003900	0.742730	1573.0	20.0	1660.0	12.0	1768.0	19.0	11.03												
32	1059.0	0.833805	173000	0.115200	0.001100	1630.0	130.0	4.810000	0.070000	0.301600	0.003000	0.711010	1699.0	15.0	1784.0	12.0	1880.0	17.0	9.63												
33	230.1	0.618427	32650	0.106400	0.001300	510.0	850.0	4.272000	0.065000	0.292000	0.004500	0.681540	1650.0	23.0	1686.0	13.0	1735.0	23.0	4.90												

Sample 69 (continued)

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]											
				<sup>207</sup> Pb/ <sup>209</sup> Pb	<sup>206</sup> Pb/ <sup>209</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>235</sup> U	2	Age <sup>207</sup> Pb/ <sup>235</sup> U	2	Age <sup>206</sup> Pb/ <sup>238</sup> Pb	2	Discord- ance [%]				
34	359.0	0.894150	65500	0.135400	0.002200	570.0	43.0	5.890000	0.130000	0.316000	0.005100	0.610130	1768.0	25.0	1952.0	19.0	2161.0	31.0	18.19
35	460.0	0.603261	68100	0.114200	0.002000	2040.0	960.0	4.538000	0.084000	0.289400	0.004800	0.526680	1642.0	25.0	1735.0	15.0	1866.0	31.0	12.00
36	572.0	0.744755	87600	0.107600	0.001000	1900.0	1900.0	4.506000	0.059000	0.303200	0.003900	0.735020	1709.0	19.0	1730.0	11.0	1757.0	17.0	2.73
<b>37</b>	<b>530.0</b>	<b>1.020755</b>	<b>56200</b>	<b>0.107100</b>	<b>0.001200</b>	<b>3000.0</b>	<b>2400.0</b>	<b>4.103000</b>	<b>0.048000</b>	<b>0.280600</b>	<b>0.003900</b>	<b>0.586110</b>	<b>1593.0</b>	<b>20.0</b>	<b>1653.3</b>	<b>9.6</b>	<b>1746.0</b>	<b>21.0</b>	<b>8.76</b>
<b>38</b>	<b>567.0</b>	<b>0.899471</b>	<b>63500</b>	<b>0.105800</b>	<b>0.001000</b>	<b>-1300.0</b>	<b>1800.0</b>	<b>4.283000</b>	<b>0.055000</b>	<b>0.294500</b>	<b>0.004000</b>	<b>0.748700</b>	<b>1663.0</b>	<b>20.0</b>	<b>1688.0</b>	<b>11.0</b>	<b>1725.0</b>	<b>18.0</b>	<b>3.59</b>
39	780.0	1.110256	85500	0.107400	0.001700	2100.0	3100.0	4.345000	0.076000	0.297300	0.006300	0.661230	1676.0	31.0	1699.0	15.0	1754.0	28.0	4.45
<b>40</b>	<b>223.3</b>	<b>0.847291</b>	<b>25680</b>	<b>0.107600</b>	<b>0.001300</b>	<b>-920.0</b>	<b>770.0</b>	<b>4.333000</b>	<b>0.058000</b>	<b>0.292900</b>	<b>0.003700</b>	<b>0.605610</b>	<b>1655.0</b>	<b>19.0</b>	<b>1698.0</b>	<b>11.0</b>	<b>1756.0</b>	<b>21.0</b>	<b>5.75</b>
41	469.0	0.771855	57900	0.108000	0.001200	700.0	2300.0	4.621000	0.048000	0.309800	0.003100	0.450810	1739.0	15.0	1752.0	8.6	1763.0	20.0	1.36
42	304.9	0.816661	32820	0.106700	0.001100	2500.0	4100.0	4.096000	0.048000	0.279000	0.003200	0.591190	1586.0	16.0	1651.8	9.4	1744.0	19.0	9.06
<b>43</b>	<b>373.0</b>	<b>0.742627</b>	<b>43200</b>	<b>0.104500</b>	<b>0.001000</b>	<b>-9700.0</b>	<b>6600.0</b>	<b>4.356000</b>	<b>0.056000</b>	<b>0.303100</b>	<b>0.003400</b>	<b>0.633950</b>	<b>1706.0</b>	<b>17.0</b>	<b>1702.0</b>	<b>11.0</b>	<b>1706.0</b>	<b>19.0</b>	<b>0.00</b>
44	169.1	1.431106	18860	0.106300	0.001500	150.0	410.0	4.228000	0.068000	0.291000	0.004500	0.619610	1645.0	23.0	1678.0	14.0	1729.0	26.0	4.86
<b>45</b>	<b>698.0</b>	<b>0.899713</b>	<b>82200</b>	<b>0.106000</b>	<b>0.001400</b>	<b>-24000.0</b>	<b>20000.0</b>	<b>4.380000</b>	<b>0.064000</b>	<b>0.300600</b>	<b>0.004900</b>	<b>0.596560</b>	<b>1692.0</b>	<b>24.0</b>	<b>1708.0</b>	<b>12.0</b>	<b>1728.0</b>	<b>25.0</b>	<b>2.08</b>
46	323.8	1.642989	40600	0.109600	0.001300	200.0	2400.0	4.677000	0.064000	0.312100	0.004500	0.683670	1750.0	22.0	1761.0	11.0	1790.0	22.0	2.23
<b>47</b>	<b>242.0</b>	<b>1.305785</b>	<b>28600</b>	<b>0.105200</b>	<b>0.001200</b>	<b>180.0</b>	<b>820.0</b>	<b>4.363000</b>	<b>0.049000</b>	<b>0.303600</b>	<b>0.003300</b>	<b>0.583900</b>	<b>1708.0</b>	<b>16.0</b>	<b>1706.3</b>	<b>9.4</b>	<b>1712.0</b>	<b>20.0</b>	<b>0.23</b>
48	276.6	0.711858	38610	0.124800	0.001800	800.0	160.0	5.030000	0.082000	0.292300	0.002600	0.458310	1652.0	13.0	1821.0	14.0	2024.0	26.0	18.38
49	1050.0	0.841905	113900	0.107360	0.000980	3000.0	1400.0	4.087000	0.049000	0.277200	0.003300	0.705220	1579.0	17.0	1650.0	9.7	1752.0	17.0	9.87

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

Sample 71

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios				Apparent isotopic dates [Ma]								Discord- ance [%]		
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>204</sup> Pb	<sup>207</sup> Pb/ <sup>235</sup> U	<sup>206</sup> Pb/ <sup>238</sup> U	Error correla- tion 6/38 vs 7/35	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.	Age <sup>207</sup> Pb/ <sup>235</sup> U	2 S.E.	Age <sup>206</sup> Pb/ <sup>238</sup> U	2 S.E.				
															2 S.E.		2 S.E.	2 S.E.
1	77.0	0.415584	6100	0.168000	0.062000	-110.0	360.0	5.400000	2.100000	0.150000	0.269450	1560.0	660.0	1780.0	290.0	2230.0	680.0	30.04
2	0.4	1.428571	24	0.300000	0.130000	14.0	21.0	10.400000	3.900000	0.081000	0.198160	1550.0	400.0	2420.0	300.0	3320.0	610.0	53.31
3	1.2	0.2226891	142	0.410000	0.130000	7.8	5.3	8.900000	4.500000	0.130000	0.895600	1100.0	670.0	1990.0	620.0	3790.0	420.0	70.98
4	0.0	3.066667	65	0.700000	0.700000	24.0	24.0	85.000000	85.000000	0.890000	1.000000	4100.0	4100.0	4500.0	4500.0	4700.0	4700.0	12.77
5	400.0	0.875000	30000	0.139000	0.010000	480.0	190.0	5.120000	0.670000	0.039000	0.842460	1550.0	200.0	1830.0	110.0	2210.0	140.0	29.86
6	0.4	0.079545	370	0.661000	0.094000	14.0	3.2	75.000000	28.000000	0.320000	0.936390	3700.0	1100.0	4180.0	500.0	4640.0	220.0	20.26
7	716.0	0.648045	78700	0.108200	0.001300	2700.0	2100.0	4.810000	0.100000	0.066500	0.770150	1804.0	30.0	1782.0	18.0	1764.0	22.0	-2.27
8	1996.0	0.862224	169400	0.111300	0.001900	2000.0	220.0	3.770000	0.100000	0.066400	0.785170	1416.0	33.0	1581.0	21.0	1819.0	30.0	22.16
9	1242.0	0.820451	122800	0.105000	0.002400	7400.0	5900.0	4.350000	0.150000	0.303000	0.799780	1703.0	55.0	1701.0	30.0	1706.0	42.0	0.18
10	1900.0	0.611053	192900	0.105700	0.003000	-1000.0	8400.0	4.400000	0.190000	0.303000	0.787470	1699.0	63.0	1703.0	36.0	1716.0	50.0	0.99
11	888.0	1.347973	82100	0.115000	0.001700	1530.0	840.0	3.550000	0.100000	0.066600	0.859410	1312.0	39.0	1532.0	23.0	1878.0	26.0	30.14
12	467.0	1.361884	49200	0.104600	0.002100	1600.0	1700.0	4.360000	0.130000	0.302000	0.758310	1698.0	42.0	1700.0	24.0	1699.0	38.0	0.06
13	2960.0	1.381757	331000	0.108400	0.001500	5100.0	1800.0	4.539000	0.088000	0.302900	0.734850	1704.0	26.0	1735.0	16.0	1767.0	25.0	3.57
14	1138.0	0.820738	99510	0.110400	0.002300	3700.0	1900.0	3.790000	0.140000	0.248200	0.828130	1427.0	41.0	1584.0	29.0	1799.0	38.0	20.68
15	1690.0	0.899408	150000	0.115600	0.002400	1130.0	140.0	3.810000	0.110000	0.239300	0.752490	1380.0	37.0	1588.0	24.0	1878.0	37.0	26.52
16	349.1	0.786021	38700	0.105000	0.001500	1100.0	1700.0	4.223000	0.094000	0.291100	0.795340	1644.0	31.0	1672.0	18.0	1709.0	27.0	3.80
17	739.0	1.285521	71400	0.107000	0.001400	31000.0	25000.0	3.770000	0.095000	0.255600	0.853950	1464.0	33.0	1582.0	20.0	1742.0	24.0	15.96
18	1390.0	1.104317	127900	0.108900	0.001900	2700.0	1700.0	3.520000	0.100000	0.233500	0.791740	1351.0	28.0	1527.0	23.0	1774.0	32.0	23.84
19	392.7	1.075885	45500	0.119600	0.002400	910.0	720.0	4.690000	0.130000	0.286000	0.710560	1620.0	38.0	1763.0	23.0	1946.0	35.0	16.75
20	688.0	0.732558	90100	0.109400	0.002100	-8000.0	16000.0	4.780000	0.140000	0.316700	0.740910	1771.0	36.0	1774.0	25.0	1785.0	37.0	0.78
21	1440.0	1.479167	142100	0.113700	0.001500	1940.0	490.0	3.702000	0.069000	0.238700	0.964340	1378.0	28.0	1568.0	15.0	1853.0	24.0	25.63
22	1820.0	0.884615	150000	0.121300	0.003300	1010.0	140.0	3.480000	0.140000	0.209700	0.803270	1225.0	42.0	1513.0	32.0	1960.0	48.0	37.50
23	773.0	0.514877	72400	0.107800	0.002100	1700.0	2400.0	3.680000	0.140000	0.246500	0.846100	1417.0	49.0	1559.0	30.0	1761.0	36.0	19.53
24	737.0	0.594301	77200	0.107300	0.001600	-2200.0	5600.0	4.027000	0.083000	0.273900	0.716350	1559.0	28.0	1635.0	17.0	1746.0	27.0	10.71
25	456.0	0.554825	55800	0.105700	0.002000	-700.0	2300.0	4.530000	0.120000	0.312000	0.719920	1748.0	35.0	1729.0	22.0	1715.0	34.0	-1.92
26	1010.0	1.019802	91500	0.113200	0.002300	1630.0	280.0	3.670000	0.180000	0.235000	0.888130	1356.0	52.0	1541.0	40.0	1842.0	37.0	26.38
27	661.0	0.919818	79000	0.108700	0.001400	3700.0	3100.0	4.337000	0.096000	0.290300	0.804940	1642.0	28.0	1696.0	18.0	1773.0	23.0	7.39
28	2040.0	0.651961	234000	0.107800	0.001600	3100.0	1800.0	4.570000	0.130000	0.308000	0.889470	1728.0	44.0	1743.0	25.0	1763.0	29.0	1.99
29	2690.0	1.241636	219000	0.108500	0.001600	2250.0	240.0	3.203000	0.077000	0.214800	0.856940	1252.0	33.0	1456.0	19.0	1771.0	27.0	29.31
30	1300.0	1.083077	128500	0.103200	0.001400	1300.0	2700.0	3.810000	0.100000	0.246200	0.852910	1518.0	32.0	1589.0	22.0	1678.0	26.0	9.54
31	2203.0	0.825692	150700	0.106900	0.001400	939.0	50.0	2.608000	0.084000	0.176400	0.897190	1045.0	29.0	1294.0	24.0	1744.0	25.0	40.08
32	1111.0	0.936094	112800	0.103400	0.003000	1900.0	4000.0	4.130000	0.180000	0.288000	0.713770	1628.0	55.0	1649.0	35.0	1670.0	52.0	2.51
33	1670.0	0.790419	126500	0.116800	0.003500	1060.0	350.0	3.260000	0.130000	0.204400	0.690810	1196.0	48.0	1471.0	32.0	1893.0	54.0	36.82

Sample 71 (continued)

Anal- ysis	U [ppm]	Th/U	<sup>207</sup> Pb [CPS]	Isotopic ratios		Apparent isotopic dates [Ma]						Discord- ance [%]					
				<sup>207</sup> Pb/ <sup>206</sup> Pb	<sup>206</sup> Pb/ <sup>206</sup> Pb	2	<sup>207</sup> Pb/ <sup>238</sup> U	2	<sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>238</sup> U		2	Age <sup>206</sup> Pb/ <sup>238</sup> U	2	Age <sup>207</sup> Pb/ <sup>206</sup> Pb	2
34	1660.0	0.541566	104400	0.112800	0.001800	1200.0	0.085000	0.164400	0.005100	0.862480	980.0	28.0	1285.0	24.0	1838.0	30.0	46.68
35	0.1	0.989362	40	no value	NAN	no value	NAN	no value	NAN	NaN	no value	NAN	no value	NAN	no value	NAN	#VALUE!
36	1000.0	1.290000	95900	0.110500	0.002000	1600.0	0.099000	0.239000	0.006200	0.758120	1379.0	32.0	1551.0	22.0	1799.0	33.0	23.35
<b>37</b>	<b>266.0</b>	<b>0.646617</b>	<b>28300</b>	<b>0.105200</b>	<b>0.002100</b>	<b>300.0</b>	<b>0.120000</b>	<b>0.290400</b>	<b>0.007200</b>	<b>0.730870</b>	<b>1645.0</b>	<b>37.0</b>	<b>1672.0</b>	<b>24.0</b>	<b>1707.0</b>	<b>36.0</b>	<b>3.63</b>
38	1402.0	0.614123	132800	0.109600	0.001400	2000.0	0.090000	0.240400	0.005900	0.837370	1387.0	31.0	1558.0	19.0	1788.0	24.0	22.43
39	1290.0	1.286822	127000	0.119500	0.003200	958.0	0.190000	0.254400	0.009800	0.743900	1458.0	50.0	1680.0	34.0	1938.0	48.0	24.77
40	723.0	1.232365	84400	0.110200	0.002300	3800.0	0.150000	0.304800	0.008100	0.753570	1712.0	40.0	1747.0	28.0	1789.0	38.0	4.30
41	0.4	1.055556	26	0.050000	0.051000	-1.0	0.583000	0.120000	0.130000	1.000000	710.0	770.0	466.0	59.0	100.0	1900.0	-610.00
42	631.0	0.816165	59600	0.110100	0.002000	2500.0	0.098000	0.240500	0.006300	0.743450	1387.0	33.0	1556.0	21.0	1792.0	33.0	22.60
43	2440.0	1.258197	221000	0.111100	0.003000	3610.0	0.150000	0.241000	0.010000	0.790950	1389.0	53.0	1557.0	32.0	1802.0	49.0	22.92
<b>44</b>	<b>1255.0</b>	<b>0.787251</b>	<b>125600</b>	<b>0.106400</b>	<b>0.002400</b>	<b>3000.0</b>	<b>0.130000</b>	<b>0.287100</b>	<b>0.009700</b>	<b>0.724510</b>	<b>1624.0</b>	<b>48.0</b>	<b>1672.0</b>	<b>26.0</b>	<b>1736.0</b>	<b>43.0</b>	<b>6.45</b>
45	2000.0	1.575000	108000	0.110800	0.002900	1090.0	0.130000	0.160300	0.006400	0.822580	957.0	35.0	1262.0	37.0	1801.0	47.0	46.86
46	1890.0	1.031746	122000	0.107800	0.001600	1990.0	0.077000	0.198200	0.005300	0.802920	1164.0	28.0	1386.0	20.0	1759.0	27.0	33.83
47	479.0	0.782881	46400	0.106400	0.001700	1000.0	0.095000	0.289600	0.006700	0.478070	1642.0	34.0	1678.0	18.0	1736.0	28.0	5.41
48	1447.0	0.864547	142300	0.106900	0.002800	3100.0	0.160000	0.308000	0.010000	0.725760	1724.0	49.0	1728.0	31.0	1729.0	47.0	0.29
49	584.0	0.792808	45200	0.110600	0.002500	1010.0	0.110000	0.218500	0.006700	0.764410	1272.0	35.0	1479.0	28.0	1796.0	41.0	29.18
<b>50</b>	<b>4020.0</b>	<b>0.731343</b>	<b>320000</b>	<b>0.105400</b>	<b>0.004400</b>	<b>80000.0</b>	<b>0.210000</b>	<b>0.270000</b>	<b>0.013000</b>	<b>0.664090</b>	<b>1538.0</b>	<b>66.0</b>	<b>1601.0</b>	<b>43.0</b>	<b>1694.0</b>	<b>76.0</b>	<b>9.21</b>
51	612.0	0.732026	46700	0.111600	0.002100	880.0	0.087000	0.223900	0.006200	0.738770	1301.0	32.0	1509.0	20.0	1817.0	34.0	28.40
52	1341.0	0.819538	139100	0.104200	0.002100	1800.0	0.140000	0.316400	0.008100	0.732580	1776.0	41.0	1736.0	25.0	1690.0	38.0	-5.09

Included in calculation of the concordia plot according to quality criteria.

Included in the calculation of the mean discordance.

## Item S2. Additional information on analytical methods

Table S2. LA-ICP-MS settings for U-Th-Pb dating, Department of Geology, Lund University

Laboratory & Sample preparation	
Laboratory name	LA-ICP-MS lab at Lund University
Sample type/mineral	Zircon
Sample preparation	Conventional mineral separation, 1 inch resin mount, 1 $\mu\text{m}$ polish to finish
Imaging	BSE-imaging, CL-imaging, TESCAN Mira 3, 15 kV, 18 Na, 5-15 mm working distance
Laser ablation system	
Make, Model & type	Photon machines, Analyte G2 excimer laser
Ablation cell & volume	HelEx 2 sample cell
Laser wave length	193 nm
Pulse width	<4 ns
Fluence	5-6 J/cm <sup>2</sup>
Repetition rate	7-8 Hz
Spot size	18x18 $\mu\text{m}$ to 20x20 $\mu\text{m}$
Sampling mode/pattern	400 $\mu\text{m}^2$ single spot analyses
Carrier gas	He as carrier gas, Ar and N <sub>2</sub> as make-up gas, combined down-stream sample chamber
Background correction	25-30 seconds
Ablation duration	30 seconds
Cell carrier gas flow	0.8 l/min He and 6.5 ml/min N <sub>2</sub>
ICP-MS Instrument	
Make, Model & type	Bruker Aurora Elite Quadrupole ICP-MS
Sample introduction	via 2 mm ID PTFE tubing with insert "squid"
RF power	ca. 1300 W
Make-up gas flow	ca. 0.95 l/min Ar
Detection system	Single collector discrete dynode electron multiplier or DDEM
Masses measured (dwell time in millisecond)	<sup>202</sup> Hg (10), <sup>204</sup> Pb (30-40), <sup>206</sup> Pb (10), <sup>207</sup> Pb (20-40), <sup>208</sup> Pb (20-30), <sup>232</sup> Th (10), <sup>238</sup> U (10)
Total integration time per reading	~1 sec
Total scan time	120-150 milliseconds
Sensitivity	20000 cps/ppm Pb
Dead time	16 ns
Data processing	
Gas blank	40 sec on peak
Calibration strategy	GJ-1 as primary and 91500 as secondary reference material
Reference material info	Wiedenbeck et al., (2004); Jackson et al., (2004)
Dataprocessing package used/Correction for LIEF	Iolite software (Paton et al., 2011), baseline correction and downhole correction
Mass discrimination	Standard-sample bracketing with <sup>207</sup> Pb/ <sup>206</sup> Pb and <sup>206</sup> Pb/ <sup>238</sup> U normalised to reference material GJ-1
Common Pb correction, composition and uncertainty	No common Pb correction applied to the data
Uncertainty level	Ages are quoted at 2 $\sigma$ absolute GJ-1 Wtd ave <sup>206</sup> Pb/ <sup>238</sup> U age = 601.9 $\pm$ 0.2 Ma (2 $\sigma$ , MSWD = 0.0023, n = 587)
Quality control/Validation	91500 Wtd ave <sup>206</sup> Pb/ <sup>238</sup> U age = 1062.30 $\pm$ 0.97 Ma (2 $\sigma$ , MSWD = 39.6, n = 148)