

Grain No.	Isotopic ratios		Age (Ma)		Th/U	
	$^{206}\text{Pb}/^{238}\text{U}$	Error σ	$^{207}\text{Pb}/^{235}\text{U}$	Error σ		
Aka-01 (GPS: N35° 30' 09.41", E138° 06' 17.29")						
Aka-01-001	0.0368 ± 0.0368		0.2622 ± 0.0091	232.7 ± 2.3	236.4 ± 8.2	0.66
Aka-01-002	0.3644 ± 0.3644		5.6546 ± 0.0941	2003.1 ± 16.0	1924.4 ± 32.0	0.41
Aka-01-003	0.3385 ± 0.3385		5.4117 ± 0.0764	1879.2 ± 13.8	1886.6 ± 26.6	0.17
Aka-01-004	0.0292 ± 0.0292		0.2153 ± 0.0109	185.3 ± 2.4	198.0 ± 10.0	0.32
Aka-01-005	0.0334 ± 0.0334		0.2495 ± 0.0089	211.7 ± 2.1	226.1 ± 8.1	0.78
Aka-01-006	0.3543 ± 0.3543		6.3436 ± 0.0732	1955.2 ± 14.4	2024.4 ± 23.4	0.09
Aka-01-007	0.3491 ± 0.3491		5.7664 ± 0.0953	1930.2 ± 16.2	1941.3 ± 32.1	0.38
Aka-01-008	0.0219 ± 0.0219		0.1415 ± 0.0080	139.7 ± 2.2	134.3 ± 7.6	1.08
Aka-01-009	0.0290 ± 0.0290		0.1973 ± 0.0077	184.3 ± 2.4	182.8 ± 7.2	0.20
Aka-01-010	0.3513 ± 0.3513		5.5739 ± 0.0950	1940.7 ± 22.0	1912.0 ± 32.6	0.23
Aka-01-011	0.0320 ± 0.0320		0.2274 ± 0.0161	203.1 ± 4.0	208.0 ± 14.7	0.40
Aka-01-012	0.3346 ± 0.3346		5.3820 ± 0.1095	1860.7 ± 24.6	1881.9 ± 38.3	0.14
Aka-01-013	0.4078 ± 0.4078		6.9085 ± 0.1322	2204.8 ± 28.4	2099.7 ± 40.2	0.50
Aka-01-014	0.0297 ± 0.0297		0.2237 ± 0.0128	188.4 ± 3.2	205.0 ± 11.7	0.26
Aka-01-015	0.5472 ± 0.5472		12.3380 ± 0.1913	2813.5 ± 24.2	2630.4 ± 40.8	0.34
Aka-01-016	0.4505 ± 0.4505		6.9371 ± 0.1305	2397.3 ± 21.6	2103.3 ± 39.6	0.48
Aka-01-017	0.3417 ± 0.3417		5.4129 ± 0.0876	1895.0 ± 16.1	1886.8 ± 30.5	0.31
Aka-01-018	0.0309 ± 0.0309		0.2255 ± 0.0094	196.4 ± 2.3	206.5 ± 8.6	0.38
Aka-01-019	0.0317 ± 0.0317		0.2100 ± 0.0098	201.4 ± 2.4	193.5 ± 9.0	0.32
Aka-01-020	0.0415 ± 0.0415		0.2973 ± 0.0089	262.1 ± 2.6	264.3 ± 7.9	0.37
Aka-01-021	0.3447 ± 0.3447		5.6331 ± 0.0860	1909.4 ± 15.9	1921.1 ± 29.3	0.09
Aka-01-022	0.0167 ± 0.0167		0.1569 ± 0.0167	106.5 ± 2.7	148.0 ± 15.8	0.58
Aka-01-023	0.0182 ± 0.0182		0.1158 ± 0.0065	116.3 ± 1.6	111.3 ± 6.2	0.52
Aka-01-024	0.0301 ± 0.0301		0.1993 ± 0.0111	191.4 ± 2.7	184.6 ± 10.2	0.56
Aka-01-025	0.0272 ± 0.0272		0.1819 ± 0.0053	173.3 ± 1.8	169.7 ± 4.9	0.27
Aka-01-026	0.3259 ± 0.3259		5.1831 ± 0.0814	1818.5 ± 17.3	1849.8 ± 29.0	0.35
Aka-01-027	0.3121 ± 0.3121		4.8850 ± 0.0772	1751.1 ± 16.6	1799.6 ± 28.4	0.14
Aka-01-028	0.3245 ± 0.3245		5.0077 ± 0.0794	1811.9 ± 17.2	1820.6 ± 28.9	0.24
Aka-01-029	0.2518 ± 0.2518		3.8982 ± 0.0659	1447.9 ± 14.0	1613.2 ± 27.3	0.26
Aka-01-030	0.0308 ± 0.0308		0.2303 ± 0.0226	195.5 ± 4.7	210.4 ± 20.6	0.60
Aka-01-031	0.0332 ± 0.0332		0.2333 ± 0.0090	210.4 ± 3.1	212.9 ± 8.2	0.49
Aka-01-032	0.0285 ± 0.0285		0.1966 ± 0.0061	181.2 ± 2.5	182.3 ± 5.7	0.24
Aka-01-033	0.0299 ± 0.0299		0.2105 ± 0.0124	189.7 ± 3.3	194.0 ± 11.4	0.63
Aka-01-034	0.0363 ± 0.0363		0.2636 ± 0.0123	230.1 ± 3.6	237.5 ± 11.1	0.80
Aka-01-035	0.0272 ± 0.0272		0.1971 ± 0.0070	173.0 ± 2.5	182.7 ± 6.5	0.47
Aka-01-036	0.0206 ± 0.0206		0.1478 ± 0.0164	131.6 ± 3.4	139.9 ± 15.5	1.64
Aka-01-037	0.0371 ± 0.0371		0.2812 ± 0.0100	234.8 ± 3.4	251.6 ± 9.0	0.59
Aka-01-038	0.2271 ± 0.2271		3.3459 ± 0.0813	1319.4 ± 18.1	1491.8 ± 36.2	0.30
Aka-01-039	0.3253 ± 0.3253		5.2528 ± 0.0707	1815.5 ± 15.4	1861.2 ± 25.0	0.18
Aka-01-040	0.3522 ± 0.3522		5.5912 ± 0.0765	1945.2 ± 16.6	1914.7 ± 26.2	0.09
Aka-01-041	0.3375 ± 0.3375		5.3075 ± 0.0834	1874.7 ± 16.6	1870.0 ± 29.4	0.13
Aka-01-042	0.3237 ± 0.3237		5.1776 ± 0.0872	1808.0 ± 16.4	1848.9 ± 31.1	0.52
Aka-01-043	0.3305 ± 0.3305		5.2351 ± 0.0737	1840.6 ± 15.8	1858.3 ± 26.1	0.50
Aka-01-044	0.1110 ± 0.1110		0.1032 ± 0.0256	67.8 ± 6.7	719.5 ± 17.9	1.66
Aka-01-045	0.4001 ± 0.4001		6.9432 ± 0.1185	2169.3 ± 20.0	2104.1 ± 35.9	0.24
Aka-01-046	0.0312 ± 0.0312		0.2128 ± 0.0177	198.1 ± 3.8	195.9 ± 16.3	0.47
Aka-01-047	0.3071 ± 0.3071		4.9367 ± 0.0766	1726.3 ± 11.6	1808.5 ± 28.1	0.15
Aka-01-048	0.3258 ± 0.3258		5.1861 ± 0.0753	1818.0 ± 11.8	1850.3 ± 26.9	0.19

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Aka-01-049	0.4070 ± 0.0025		7.5491 ± 0.0965	2201.1 ± 13.6	2178.8 ± 27.8	0.82
Aka-01-050	0.3771 ± 0.0024		5.9090 ± 0.0846	2062.8 ± 13.3	1962.5 ± 28.1	0.34
Aka-01-051	0.0438 ± 0.0006		0.8511 ± 0.0364	276.1 ± 4.1	625.2 ± 26.7	0.62
Aka-01-052	0.3331 ± 0.0022		5.2003 ± 0.0795	1853.5 ± 12.3	1852.6 ± 28.3	0.46
Aka-01-053	0.0317 ± 0.0005		0.2202 ± 0.0170	201.3 ± 3.3	202.0 ± 15.6	0.87
Aka-01-054	0.3459 ± 0.0023		5.3956 ± 0.0823	1914.9 ± 12.7	1884.1 ± 28.7	0.17
Aka-01-055	0.3409 ± 0.0021		5.2072 ± 0.0718	1890.9 ± 11.7	1853.7 ± 25.6	0.09
Aka-01-056	0.3429 ± 0.0020		5.3261 ± 0.0642	1900.7 ± 11.1	1873.0 ± 22.6	0.50
Aka-01-057	0.4150 ± 0.0023		8.7280 ± 0.0902	2237.6 ± 12.6	2309.9 ± 23.9	0.16
Aka-01-058	0.0310 ± 0.0004		0.2274 ± 0.0125	196.6 ± 2.6	208.0 ± 11.4	0.32
Aka-01-059	0.0310 ± 0.0004		0.2309 ± 0.0133	196.8 ± 2.7	211.0 ± 12.1	0.47
Aka-01-060	0.0312 ± 0.0004		0.2354 ± 0.0139	197.8 ± 2.8	214.7 ± 12.7	0.44
Aka-01-061	0.0244 ± 0.0003		0.1641 ± 0.0091	155.4 ± 2.0	154.3 ± 8.6	0.54
Aka-01-062	0.3411 ± 0.0028		5.3146 ± 0.0786	1891.9 ± 15.4	1871.1 ± 27.7	0.20
Aka-01-063	0.0302 ± 0.0004		0.2030 ± 0.0091	191.8 ± 2.3	187.7 ± 8.4	0.68
Aka-01-064	0.0343 ± 0.0004		0.2567 ± 0.0106	217.4 ± 2.5	232.0 ± 9.6	0.56
Aka-01-065	0.3728 ± 0.0030		6.5067 ± 0.0889	2042.5 ± 16.3	2046.7 ± 27.9	0.90
Aka-01-066	0.3279 ± 0.0030		5.0536 ± 0.0995	1828.0 ± 16.6	1828.3 ± 36.0	0.22
Aka-01-067	0.0229 ± 0.0004		0.1423 ± 0.0099	145.9 ± 2.3	135.1 ± 9.4	1.05
Aka-01-068	0.0300 ± 0.0003		0.2236 ± 0.0079	190.5 ± 2.0	204.9 ± 7.2	0.35
Aka-01-069	0.0252 ± 0.0003		0.2856 ± 0.0105	160.7 ± 1.9	255.1 ± 9.3	0.44
Aka-01-070	0.0436 ± 0.0006		0.3006 ± 0.0184	275.1 ± 3.9	266.9 ± 16.3	0.52
Aka-01-071	0.3024 ± 0.0026		4.6749 ± 0.0956	1703.1 ± 14.8	1762.7 ± 36.0	0.64
Aka-01-072	0.3543 ± 0.0029		5.8919 ± 0.1019	1954.9 ± 15.8	1960.0 ± 33.9	0.15
Aka-01-073	0.0314 ± 0.0005		0.3127 ± 0.0192	199.3 ± 3.2	276.3 ± 16.9	0.36
Aka-01-074	0.0289 ± 0.0002		0.2094 ± 0.0049	183.9 ± 1.6	193.0 ± 4.6	0.37
Aka-01-075	0.3454 ± 0.0027		5.4920 ± 0.0922	1912.8 ± 15.2	1899.3 ± 31.9	0.10
Aka-01-076	0.3929 ± 0.0034		6.1987 ± 0.1274	2136.4 ± 18.7	2004.2 ± 41.2	0.54
Aka-01-077	0.0671 ± 0.0008		0.8395 ± 0.0283	418.7 ± 4.7	618.8 ± 20.9	0.32
Aka-01-078	0.0304 ± 0.0004		0.2040 ± 0.0087	192.8 ± 2.3	188.5 ± 8.0	0.57
Aka-01-079	0.4336 ± 0.0042		7.7957 ± 0.1243	2322.0 ± 22.4	2207.6 ± 35.2	0.29
Aka-01-080	0.0192 ± 0.0005		0.2814 ± 0.0230	122.8 ± 3.1	257.8 ± 20.6	1.06
Aka-01-081	0.3957 ± 0.0041		7.3763 ± 0.1383	2149.2 ± 22.3	2158.0 ± 40.5	0.40
Aka-01-082	0.3835 ± 0.0034		7.7820 ± 0.0910	2092.5 ± 18.4	2206.1 ± 25.8	0.67
Aka-01-083	0.0310 ± 0.0004		0.2214 ± 0.0097	196.8 ± 2.5	203.1 ± 8.9	0.36
Aka-01-084	0.0300 ± 0.0003		0.2151 ± 0.0063	190.5 ± 2.0	197.8 ± 5.8	0.48
Aka-01-085	0.3313 ± 0.0030		5.2580 ± 0.0647	1844.7 ± 16.5	1862.0 ± 22.9	0.14
Aka-01-086	0.0312 ± 0.0004		0.2625 ± 0.0120	198.2 ± 2.7	236.6 ± 10.8	0.71
Aka-01-087	0.0424 ± 0.0006		0.3005 ± 0.0102	267.8 ± 3.7	266.8 ± 9.0	0.54
Aka-01-088	0.0359 ± 0.0005		0.2742 ± 0.0116	227.6 ± 3.4	246.0 ± 10.4	0.45
Aka-01-089	0.0407 ± 0.0006		0.3073 ± 0.0096	257.2 ± 3.5	272.1 ± 8.5	0.67
Aka-01-090	0.3703 ± 0.0047		5.7753 ± 0.1028	2030.9 ± 25.7	1942.6 ± 34.6	0.24
Aka-01-091	0.0491 ± 0.0012		0.3311 ± 0.0354	308.9 ± 7.7	290.4 ± 31.1	0.58
Aka-01-092	0.0276 ± 0.0004		0.2188 ± 0.0092	175.4 ± 2.6	200.9 ± 8.4	0.55
Aka-01-093	0.3401 ± 0.0042		5.3561 ± 0.0814	1887.0 ± 23.1	1877.8 ± 28.5	0.17
Aka-01-094	0.4492 ± 0.0054		10.6325 ± 0.1472	2391.8 ± 28.9	2491.5 ± 34.5	0.37
Aka-01-095	0.0417 ± 0.0004		0.2922 ± 0.0074	263.3 ± 2.6	260.3 ± 6.6	0.42
Aka-01-096	0.0363 ± 0.0007		0.2266 ± 0.0212	230.1 ± 4.7	207.4 ± 19.4	0.67
Aka-01-097	0.0328 ± 0.0004		0.2402 ± 0.0120	207.7 ± 2.8	218.6 ± 11.0	0.53

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Aka-01-098	0.3684	± 0.0036	5.9435	± 0.1176	2021.9	± 19.5	1967.5	± 38.9	0.23
Aka-01-099	0.3604	± 0.0034	5.7112	± 0.1102	1983.9	± 19.0	1933.0	± 37.3	0.14
Aka-01-100	0.0309	± 0.0004	0.3113	± 0.0105	195.9	± 2.3	275.2	± 9.3	0.49
Aka-01-101	0.0486	± 0.0007	0.3790	± 0.0194	306.0	± 4.3	326.3	± 16.70	0.46
Aka-01-102	0.3341	± 0.0031	5.4701	± 0.0991	1858.4	± 17.3	1895.8	± 34.4	0.27
Aka-01-103	0.3594	± 0.0034	6.1667	± 0.1185	1979.2	± 19.0	1999.7	± 38.4	0.31
Aka-01-104	0.0182	± 0.0003	0.1803	± 0.0096	116.4	± 1.8	168.3	± 9.0	0.47
Aka-01-105	0.4016	± 0.0033	7.4431	± 0.1060	2176.4	± 18.0	2166.1	± 30.8	0.48
Aka-01-106	0.3499	± 0.0030	5.4928	± 0.0897	1934.4	± 16.5	1899.4	± 31.0	0.19
Aka-01-107	0.0331	± 0.0003	0.2240	± 0.0068	209.8	± 2.0	205.3	± 6.2	0.51
Aka-01-108	0.0260	± 0.0003	0.1814	± 0.0075	165.7	± 1.9	169.3	± 7.0	0.50
Aka-01-109	0.3510	± 0.0029	5.6816	± 0.0842	1939.5	± 16.1	1928.5	± 28.6	0.46
Aka-01-110	0.4780	± 0.0042	9.3233	± 0.1537	2518.5	± 22.1	2370.2	± 39.1	0.25
Aka-01-111	0.3475	± 0.0034	5.4676	± 0.1215	1922.6	± 18.8	1895.5	± 42.1	0.61
Aka-01-112	0.3387	± 0.0031	5.5291	± 0.1428	1880.6	± 17.0	1905.1	± 49.2	0.65
Aka-01-113	0.0281	± 0.0003	0.1904	± 0.0070	178.7	± 1.6	176.9	± 6.5	0.44
Aka-01-114	0.3557	± 0.0021	5.5078	± 0.0802	1961.8	± 11.7	1901.7	± 27.7	0.27
Aka-01-115	0.0305	± 0.0004	0.2255	± 0.0109	193.4	± 2.2	206.5	± 10.0	0.35
Aka-01-116	0.0286	± 0.0005	0.2223	± 0.0157	181.9	± 3.0	203.8	± 14.4	0.40
Aka-01-117	0.0284	± 0.0004	0.2070	± 0.0144	180.4	± 2.8	191.0	± 13.3	0.42
Aka-01-118	0.3022	± 0.0017	5.0615	± 0.0655	1702.4	± 9.5	1829.6	± 23.7	0.11
Aka-01-119	0.0326	± 0.0002	0.2296	± 0.0058	206.9	± 1.4	209.9	± 5.3	0.53
Aka-01-120	0.0325	± 0.0005	0.2018	± 0.0144	206.4	± 3.3	186.6	± 13.3	0.24
Aka-01-121	0.0202	± 0.0002	0.1342	± 0.0066	128.8	± 1.6	127.9	± 6.3	0.49
Aka-01-122	0.0286	± 0.0003	0.2093	± 0.0053	182.0	± 1.6	193.0	± 4.9	0.27
Aka-01-123	0.0178	± 0.0004	0.1116	± 0.0109	113.6	± 2.3	107.4	± 10.5	0.77
Aka-01-124	0.4122	± 0.0035	8.0547	± 0.1345	2225.2	± 18.7	2237.1	± 37.3	0.39
Aka-01-125	0.0284	± 0.0003	0.1988	± 0.0057	180.7	± 1.7	184.1	± 5.3	0.27
Aka-01-126	0.0396	± 0.0004	0.2801	± 0.0093	250.4	± 2.5	250.8	± 8.3	0.44
Aka-01-127	0.0674	± 0.0006	0.5222	± 0.0151	420.3	± 3.9	426.6	± 12.3	0.57
Aka-01-128	0.3336	± 0.0029	5.4429	± 0.0997	1855.8	± 16.0	1891.6	± 34.6	1.28
Aka-01-129	0.0380	± 0.0003	0.2735	± 0.0057	240.2	± 1.9	245.5	± 5.1	0.44
Aka-01-130	0.3355	± 0.0025	5.2182	± 0.0664	1865.2	± 14.0	1855.5	± 23.6	0.10
Aka-01-131	0.3328	± 0.0026	5.2722	± 0.0728	1852.2	± 14.3	1864.3	± 25.7	0.19
Aka-01-132	0.0382	± 0.0004	0.2911	± 0.0121	241.6	± 2.8	259.4	± 10.8	0.44
Aka-01-133	0.0339	± 0.0003	0.2545	± 0.0073	215.0	± 2.0	230.2	± 6.6	0.77
Aka-01-134	0.3707	± 0.0029	6.0191	± 0.0905	2032.5	± 16.1	1978.5	± 29.7	0.27
Aka-01-135	0.3232	± 0.0026	5.1312	± 0.0771	1805.2	± 14.3	1841.2	± 27.7	0.26
Aka-01-136	0.0189	± 0.0002	0.1244	± 0.0037	120.4	± 1.3	119.0	± 3.6	0.66
Aka-01-137	0.4000	± 0.0037	6.8336	± 0.1039	2168.9	± 20.2	2090.0	± 31.8	0.44
Aka-01-138	0.3975	± 0.0037	6.3275	± 0.0979	2157.4	± 20.1	2022.2	± 31.3	0.13
Aka-01-139	0.3029	± 0.0028	4.8303	± 0.0741	1705.4	± 15.9	1790.1	± 27.5	0.19
Aka-01-140	0.0319	± 0.0005	0.2330	± 0.0125	202.7	± 2.9	212.7	± 11.4	0.27
Aka-01-141	0.0400	± 0.0005	0.2903	± 0.0131	252.7	± 3.3	258.8	± 11.6	0.51
Aka-01-142	0.0452	± 0.0007	0.3577	± 0.0205	284.7	± 4.4	310.5	± 17.8	0.65
Aka-01-143	0.0403	± 0.0007	0.3123	± 0.0196	254.5	± 4.2	275.9	± 17.3	0.32
Aka-01-144	0.0295	± 0.0003	0.1961	± 0.0066	187.2	± 2.1	181.8	± 6.1	0.31
Aka-01-145	0.3428	± 0.0035	5.3728	± 0.1046	1900.3	± 19.5	1880.5	± 36.6	0.26
Aka-01-146	0.3603	± 0.0035	7.0857	± 0.1165	1983.8	± 19.4	2122.2	± 34.9	0.33

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Aka-01-147	0.0299	± 0.0004	0.2296	± 0.0104	190.1	± 2.6	209.8	± 9.5	0.70
Aka-01-148	0.0449	± 0.0006	0.3246	± 0.0140	282.9	± 3.6	285.4	± 12.3	0.49
Aka-01-149	0.0333	± 0.0004	0.2260	± 0.0095	211.0	± 2.6	206.9	± 8.7	0.35
Aka-01-150	0.0321	± 0.0003	0.2208	± 0.0083	203.5	± 1.8	202.6	± 7.6	0.60
Aka-01-151	0.0432	± 0.0003	0.2915	± 0.0086	272.4	± 2.0	259.8	± 7.7	0.35
Aka-01-152	0.0434	± 0.0005	0.2683	± 0.0130	273.9	± 2.9	241.3	± 11.7	0.63
Aka-01-153	0.1470	± 0.0009	1.4335	± 0.0284	884.4	± 5.5	903.0	± 17.9	0.31
Aka-01-154	0.4138	± 0.0021	9.2511	± 0.1076	2232.2	± 11.1	2363.1	± 27.5	0.54
Aka-01-155	0.0267	± 0.0002	0.1600	± 0.0057	169.7	± 1.4	150.7	± 5.4	0.41
Aka-01-156	0.4179	± 0.0021	9.7974	± 0.1155	2250.7	± 11.3	2415.8	± 28.5	0.66
Aka-01-157	0.0308	± 0.0003	0.2002	± 0.0070	195.8	± 1.6	185.3	± 6.5	0.24
Aka-02 (GPS: N35° 28' 46.25", E138° 06' 42.58")									
Aka-02-001	0.0321	± 0.0012	0.2451	± 0.0221	203.9	± 7.6	222.6	± 20.1	0.74
Aka-02-002	0.3462	± 0.0029	6.0204	± 0.1096	1916.6	± 16.1	1978.7	± 36.0	0.21
Aka-02-003	0.0317	± 0.0007	0.2259	± 0.0140	201.0	± 4.4	206.8	± 12.9	0.43
Aka-02-004	0.3443	± 0.0029	5.2724	± 0.0975	1907.5	± 15.9	1864.3	± 34.5	0.29
Aka-02-005	0.2557	± 0.0023	3.9026	± 0.0793	1467.6	± 13.0	1614.2	± 32.8	0.18
Aka-02-006	0.0319	± 0.0007	0.1967	± 0.0128	202.2	± 4.4	182.3	± 11.9	0.38
Aka-02-007	0.0321	± 0.0005	0.2383	± 0.0106	203.4	± 3.0	217.0	± 9.7	0.18
Aka-02-008	0.3283	± 0.0026	5.1581	± 0.0669	1830.3	± 14.6	1845.7	± 23.9	0.13
Aka-02-009	0.0509	± 0.0006	0.4926	± 0.0156	320.0	± 3.8	406.6	± 12.9	0.42
Aka-02-010	0.0308	± 0.0005	0.2172	± 0.0100	195.3	± 3.4	199.6	± 9.2	0.12
Aka-02-011	0.3621	± 0.0057	5.8363	± 0.1548	1992.2	± 31.3	1951.8	± 51.8	0.15
Aka-02-012	0.0272	± 0.0005	0.1834	± 0.0085	173.0	± 3.0	171.0	± 8.0	0.69
Aka-02-013	0.0468	± 0.0009	0.3764	± 0.0196	294.8	± 5.5	324.3	± 16.9	0.60
Aka-02-014	0.0377	± 0.0006	0.2488	± 0.0087	238.4	± 3.8	225.6	± 7.9	0.15
Aka-02-015	0.3065	± 0.0050	4.6111	± 0.1347	1723.4	± 27.9	1751.2	± 51.2	0.27
Aka-02-016	0.3558	± 0.0046	5.6578	± 0.1013	1962.4	± 25.2	1924.9	± 34.5	0.16
Aka-02-017	0.3447	± 0.0045	5.3086	± 0.0999	1909.2	± 24.7	1870.2	± 35.2	0.47
Aka-02-018	0.1236	± 0.0021	1.7048	± 0.0702	751.2	± 12.5	1010.3	± 41.6	2.13
Aka-02-019	0.3471	± 0.0049	5.3240	± 0.1419	1920.6	± 27.3	1872.7	± 49.9	0.63
Aka-02-020	0.0372	± 0.0009	0.3215	± 0.0282	235.4	± 5.5	283.1	± 24.8	0.98
Aka-02-021	0.0296	± 0.0004	0.2021	± 0.0061	187.8	± 2.6	186.9	± 5.6	0.10
Aka-02-022	0.0303	± 0.0005	0.2004	± 0.0086	192.2	± 2.9	185.5	± 8.0	0.26
Aka-02-023	0.0279	± 0.0004	0.1835	± 0.0084	177.4	± 2.8	171.0	± 7.8	0.38
Aka-02-024	0.2073	± 0.0028	3.1052	± 0.0609	1214.4	± 16.6	1433.9	± 28.1	0.14
Aka-02-025	0.0198	± 0.0003	0.1127	± 0.0065	126.3	± 2.1	108.4	± 6.3	0.55
Aka-02-026	0.3613	± 0.0050	5.5417	± 0.1114	1988.4	± 27.3	1907.0	± 38.3	0.29
Aka-02-027	0.0349	± 0.0006	0.2398	± 0.0144	221.0	± 3.9	218.2	± 13.1	0.89
Aka-02-028	0.0206	± 0.0004	0.1551	± 0.0147	131.2	± 2.8	146.4	± 13.8	0.62
Aka-02-029	0.0243	± 0.0004	0.1750	± 0.0118	154.8	± 2.4	163.8	± 11.0	0.73
Aka-02-030	0.3587	± 0.0027	5.8502	± 0.0841	1975.8	± 14.8	1953.8	± 28.1	0.24
Aka-02-031	0.3052	± 0.0024	4.7066	± 0.0805	1717.2	± 13.7	1768.4	± 30.2	0.47
Aka-02-032	0.3643	± 0.0028	5.7318	± 0.0867	2002.4	± 15.2	1936.1	± 29.3	0.11
Aka-02-033	0.3736	± 0.0028	6.8976	± 0.0961	2046.6	± 15.3	2098.3	± 29.2	0.14
Aka-02-034	0.1899	± 0.0014	2.7809	± 0.0416	1120.6	± 8.4	1350.4	± 20.2	0.18
Aka-02-035	0.0321	± 0.0004	0.2574	± 0.0141	203.6	± 2.8	232.5	± 12.7	0.38
Aka-02-036	0.0435	± 0.0004	0.3033	± 0.0095	274.5	± 2.5	269.0	± 8.4	0.18

Grain No.	Isotopic ratios			Age (Ma)			Th/U
	$^{206}\text{Pb}/^{238}\text{U}$	Error 1σ		$^{207}\text{Pb}/^{235}\text{U}$	Error 1σ		
Aka-02-037	0.3423	± 0.0030	5.3785	± 0.1039	1897.6	± 16.5	0.59
Aka-02-038	0.4104	± 0.0034	8.0002	± 0.1285	2216.7	± 18.1	0.66
Aka-02-039	0.0365	± 0.0004	0.2488	± 0.0112	231.3	± 2.7	0.21
Aka-02-040	0.0356	± 0.0005	0.2437	± 0.0147	225.7	± 3.3	0.26
Aka-02-041	0.3657	± 0.0028	5.7695	± 0.0837	2009.4	± 15.6	0.13
Aka-02-042	0.0346	± 0.0005	0.2558	± 0.0133	219.4	± 2.9	0.15
Aka-02-043	0.0235	± 0.0004	0.1752	± 0.0141	149.9	± 2.8	1.26
Aka-02-044	0.0376	± 0.0006	0.2583	± 0.0171	237.8	± 3.7	0.98
Aka-02-045	0.2454	± 0.0022	3.8952	± 0.0640	1414.6	± 12.8	0.13
Aka-02-046	0.0392	± 0.0004	0.2658	± 0.0097	248.0	± 2.7	0.46
Aka-02-047	0.0410	± 0.0004	0.3143	± 0.0067	258.7	± 2.4	0.10
Aka-02-048	0.0208	± 0.0002	0.1487	± 0.0057	132.9	± 1.5	0.48
Aka-02-049	0.0379	± 0.0005	0.2992	± 0.0124	239.8	± 2.9	0.32
Aka-02-050	0.0384	± 0.0006	0.2706	± 0.0190	242.8	± 4.0	0.38
Aka-02-051	0.3505	± 0.0031	5.4113	± 0.0836	1936.8	± 17.2	0.25
Aka-02-052	0.0261	± 0.0003	0.2017	± 0.0085	166.1	± 2.0	0.12
Aka-02-053	0.0179	± 0.0002	0.1104	± 0.0068	114.1	± 1.6	0.84
Aka-02-054	0.3381	± 0.0027	5.3297	± 0.0852	1877.6	± 15.2	0.13
Aka-02-055	0.3599	± 0.0028	6.1562	± 0.0875	1981.7	± 15.5	0.13
Aka-02-056	0.1112	± 0.0010	1.5479	± 0.0321	679.9	± 6.0	0.32
Aka-02-057	0.0372	± 0.0004	0.2744	± 0.0089	235.5	± 2.3	0.41
Aka-02-058	0.0396	± 0.0004	0.2802	± 0.0087	250.3	± 2.4	0.17
Aka-02-059	0.0312	± 0.0004	0.2857	± 0.0133	198.0	± 2.6	0.25
Aka-02-060	0.0320	± 0.0004	0.2297	± 0.0120	202.7	± 2.6	0.10
Aka-02-061	0.3822	± 0.0041	6.0625	± 0.1037	2086.6	± 22.3	0.34
Aka-02-062	0.3816	± 0.0041	5.9850	± 0.1053	2083.6	± 22.4	0.12
Aka-02-063	0.0275	± 0.0003	0.1858	± 0.0069	174.6	± 2.2	0.40
Aka-02-064	0.0297	± 0.0004	0.1941	± 0.0085	188.9	± 2.5	0.21
Aka-02-065	0.0329	± 0.0005	0.2222	± 0.0117	208.7	± 3.1	0.78
Aka-02-066	0.0442	± 0.0009	0.2971	± 0.0286	278.6	± 5.9	0.60
Aka-02-067	0.4162	± 0.0046	8.1185	± 0.1595	2243.3	± 24.9	0.60
Aka-02-068	0.0386	± 0.0006	0.2929	± 0.0178	243.9	± 4.0	0.65
Aka-02-069	0.2000	± 0.0022	3.6892	± 0.0741	1175.2	± 13.1	0.42
Aka-02-070	0.4063	± 0.0045	7.9070	± 0.1497	2197.9	± 24.1	0.75
Aka-02-071	0.0267	± 0.0004	0.1789	± 0.0088	170.1	± 2.4	1.79
Aka-02-072	0.0435	± 0.0005	0.3166	± 0.0107	274.3	± 3.4	0.43
Aka-02-073	0.0294	± 0.0003	0.2034	± 0.0063	186.8	± 1.7	0.29
Aka-02-074	0.4463	± 0.0033	9.5195	± 0.1328	2379.0	± 17.6	0.14
Aka-02-075	0.4390	± 0.0031	9.1787	± 0.1218	2346.1	± 16.8	0.21
Aka-02-076	0.3138	± 0.0022	4.9132	± 0.0659	1759.5	± 12.4	0.11
Aka-02-077	0.3675	± 0.0031	5.8711	± 0.1095	2017.7	± 17.0	0.61
Aka-02-078	0.0366	± 0.0006	0.3170	± 0.0215	231.8	± 3.9	0.70
Aka-02-079	0.0351	± 0.0004	0.2443	± 0.0094	222.5	± 2.3	0.43
Aka-02-080	0.2170	± 0.0017	3.2351	± 0.0466	1266.1	± 9.8	0.14
Aka-02-081	0.0294	± 0.0005	0.2303	± 0.0153	186.9	± 3.1	0.29
Aka-02-082	0.0198	± 0.0003	0.2186	± 0.0128	126.1	± 2.2	1.16
Aka-02-083	0.2905	± 0.0027	4.6969	± 0.0781	1644.1	± 15.3	0.11
Aka-02-084	0.0291	± 0.0003	0.2126	± 0.0080	184.8	± 2.1	0.46
Aka-02-085	0.3925	± 0.0037	6.3967	± 0.1068	2134.4	± 20.1	0.19

Grain No.	Isotopic ratios			Age (Ma)			Th/U
	$^{206}\text{Pb}/^{238}\text{U}$	Error 1σ		$^{207}\text{Pb}/^{235}\text{U}$	Error 1σ		
Aka-02-086	0.0303	± 0.0003	0.2164	± 0.0076	192.3	± 2.1	0.36
Aka-02-087	0.0318	± 0.0005	0.2227	± 0.0127	201.5	± 2.9	0.71
Aka-02-088	0.3392	± 0.0029	5.5869	± 0.0735	1882.6	± 16.3	0.22
Aka-02-089	0.2367	± 0.0017	3.5681	± 0.0548	1369.7	± 10.1	0.16
Aka-02-090	0.3294	± 0.0025	5.0566	± 0.0845	1835.5	± 14.1	0.15
Aka-02-091	0.0287	± 0.0003	0.2080	± 0.0062	182.6	± 1.6	0.16
Aka-02-092	0.0291	± 0.0003	0.2190	± 0.0047	184.6	± 2.0	0.08
Aka-02-093	0.2803	± 0.0021	4.3871	± 0.0695	1592.7	± 12.0	0.17
Aka-02-094	0.0331	± 0.0003	0.2406	± 0.0089	210.0	± 2.1	0.55
Aka-02-095	0.0317	± 0.0003	0.2679	± 0.0079	201.1	± 1.8	0.32
Aka-02-096	0.0336	± 0.0005	0.2104	± 0.0147	212.8	± 3.2	0.74
Aka-02-097	0.0305	± 0.0004	0.2206	± 0.0070	193.6	± 2.3	1.17
Aka-02-098	0.3546	± 0.0037	5.5663	± 0.0844	1956.5	± 20.2	0.13
Aka-02-099	0.0338	± 0.0004	0.2442	± 0.0073	214.1	± 2.5	0.21
Aka-02-100	0.0194	± 0.0003	0.1448	± 0.0098	123.7	± 2.2	0.52
Aka-02-101	0.0713	± 0.0008	0.5101	± 0.0162	443.8	± 5.2	0.39
Aka-02-102	0.0684	± 0.0008	0.5033	± 0.0170	426.5	± 5.2	0.59
Aka-02-103	0.3155	± 0.0033	5.5815	± 0.0870	1767.7	± 18.4	0.77
Aka-02-104	0.0801	± 0.0011	0.6551	± 0.0272	496.8	± 6.7	0.32
Aka-02-105	0.3268	± 0.0026	5.1991	± 0.0899	1822.9	± 14.4	0.83
Aka-02-106	0.0311	± 0.0004	0.2717	± 0.0127	197.2	± 2.4	0.64
Aka-02-107	0.0411	± 0.0006	0.3263	± 0.0218	259.9	± 4.1	0.55
Aka-02-108	0.0206	± 0.0002	0.1598	± 0.0076	131.6	± 1.6	0.82
Aka-02-109	0.0305	± 0.0005	0.2158	± 0.0152	193.5	± 3.0	0.53
Aka-02-110	0.2803	± 0.0020	4.3154	± 0.0563	1593.0	± 11.2	0.11
Aka-02-111	0.0783	± 0.0006	0.5877	± 0.0128	485.8	± 3.7	0.63
Aka-02-112	0.0316	± 0.0003	0.2405	± 0.0095	200.8	± 2.1	0.26
Aka-02-113	0.2789	± 0.0020	4.3508	± 0.0594	1586.0	± 11.4	0.21
Aka-02-114	0.2364	± 0.0025	3.5791	± 0.0764	1368.0	± 14.8	0.11
Aka-02-115	0.0286	± 0.0003	0.2450	± 0.0084	182.0	± 2.2	0.63
Aka-02-116	0.0300	± 0.0004	0.2064	± 0.0083	190.8	± 2.4	0.13
Aka-02-117	0.0236	± 0.0003	0.1789	± 0.0087	150.4	± 2.1	0.80
Aka-02-118	0.4257	± 0.0044	8.1790	± 0.1508	2286.1	± 23.9	0.19
Aka-02-119	0.2957	± 0.0030	4.5727	± 0.0837	1669.8	± 17.1	0.19
Aka-02-120	0.0356	± 0.0004	0.2616	± 0.0078	225.2	± 2.5	0.13
Aka-02-121	0.3451	± 0.0036	5.4061	± 0.1004	1911.1	± 19.7	0.22
Aka-02-122	0.0344	± 0.0004	0.2408	± 0.0091	218.0	± 2.7	0.70
Aka-02-123	0.0264	± 0.0003	0.1917	± 0.0096	168.0	± 1.8	0.37
Aka-02-124	0.3554	± 0.0020	5.7163	± 0.1065	1960.3	± 11.1	0.26
Aka-02-125	0.0308	± 0.0002	0.2259	± 0.0067	195.3	± 1.3	0.10
Aka-02-126	0.4083	± 0.0022	7.4027	± 0.1300	2207.3	± 12.1	0.45
Aka-02-127	0.0370	± 0.0004	0.2529	± 0.0140	234.5	± 2.7	0.54
Aka-02-128	0.3382	± 0.0018	5.3500	± 0.0937	1877.9	± 9.9	0.46
Aka-02-129	0.0458	± 0.0009	0.2665	± 0.0283	288.4	± 5.5	0.48
Aka-02-130	0.0287	± 0.0004	0.2071	± 0.0126	182.7	± 2.4	0.57
Aka-02-131	0.0302	± 0.0005	0.2098	± 0.0158	191.8	± 2.9	1.04
Aka-02-132	0.0530	± 0.0011	0.2739	± 0.0291	332.9	± 6.7	1.03
Aka-02-133	0.0306	± 0.0004	0.2231	± 0.0115	194.1	± 2.6	0.87
Aka-02-134	0.0201	± 0.0004	0.1349	± 0.0115	128.2	± 2.4	0.28

Grain No.	Isotopic ratios		Age (Ma)		Th/U				
	$^{206}\text{Pb}/^{238}\text{U}$	Error 1σ	$^{207}\text{Pb}/^{235}\text{U}$	Error 1σ					
Aka-02-135	0.3293	± 0.0026	5.1576	± 0.0688	1835.2	± 14.6	1845.6	± 24.6	0.16
Aka-02-136	0.3418	± 0.0027	5.4664	± 0.0707	1895.1	± 15.0	1895.3	± 24.5	0.31
Aka-02-137	0.0290	± 0.0003	0.2073	± 0.0089	184.2	± 2.2	191.3	± 8.2	0.46
Aka-02-138	0.0357	± 0.0005	0.2620	± 0.0131	226.4	± 2.9	236.3	± 11.8	0.46
Aka-02-139	0.3343	± 0.0028	5.2438	± 0.0830	1859.2	± 15.6	1859.7	± 29.4	0.20
Aka-02-140	0.0413	± 0.0028	0.2985	± 0.0333	261.0	± 17.7	265.2	± 29.6	0.90
Aka-02-141	0.0285	± 0.0005	0.1935	± 0.0076	181.4	± 3.4	179.6	± 7.1	0.47
Aka-02-142	0.3665	± 0.0025	6.1312	± 0.0867	2013.1	± 13.6	1994.6	± 28.2	0.13
Aka-02-143	0.3525	± 0.0026	5.6490	± 0.0887	1946.4	± 14.6	1923.5	± 30.2	0.42
Aka-02-144	0.3035	± 0.0024	4.7863	± 0.0787	1708.6	± 13.5	1782.4	± 29.3	0.24
Aka-02-145	0.0292	± 0.0012	0.2009	± 0.0143	185.5	± 7.4	185.8	± 13.2	0.37
Aka-02-146	0.0420	± 0.0007	0.3150	± 0.0111	265.0	± 4.4	278.0	± 9.8	0.45
Aka-02-147	0.3680	± 0.0028	6.3794	± 0.0934	2019.8	± 15.4	1958.1	± 31.1	0.20
Aka-02-148	0.0540	± 0.0006	0.4022	± 0.0075	338.9	± 3.7	343.2	± 6.4	0.22
Aka-02-149	0.0309	± 0.0004	0.2048	± 0.0060	196.1	± 2.3	189.2	± 5.5	0.60
Aka-02-150	0.3778	± 0.0041	6.0379	± 0.0992	2066.2	± 22.4	1981.3	± 32.5	0.11
Aka-02-151	0.0415	± 0.0006	0.3238	± 0.0130	262.0	± 3.5	284.8	± 11.5	0.17
Aka-02-152	0.3896	± 0.0042	7.6629	± 0.1132	2121.2	± 22.6	2192.2	± 32.4	0.32
Aka-02-153	0.0649	± 0.0008	0.5013	± 0.0160	405.3	± 5.0	412.5	± 13.2	0.52
Aka-02-154	0.3443	± 0.0036	5.4485	± 0.0784	1907.1	± 20.1	1892.4	± 27.2	0.13
Aka-02-155	0.0261	± 0.0004	0.1788	± 0.0079	166.4	± 2.3	167.1	± 7.4	1.12
Aka-03 (GPS: N35° 28' 30.58", E138° 09' 11.52")									
Aka-03-001	0.0172	± 0.0003	0.1094	± 0.0072	109.7	± 1.8	105.4	± 6.9	0.42
Aka-03-002	0.3340	± 0.0035	5.2988	± 0.0905	1857.6	± 19.5	1868.6	± 31.9	0.35
Aka-03-003	0.0184	± 0.0003	0.1804	± 0.0116	117.8	± 2.1	168.4	± 10.8	0.33
Aka-03-004	0.0442	± 0.0009	0.2901	± 0.0245	279.0	± 5.5	258.6	± 21.8	0.54
Aka-03-005	0.0167	± 0.0005	0.1190	± 0.0164	106.5	± 3.1	114.2	± 15.7	0.34
Aka-03-006	0.0180	± 0.0003	0.1388	± 0.0069	115.1	± 1.7	131.9	± 6.6	0.29
Aka-03-007	0.3969	± 0.0047	6.9135	± 0.1380	2154.7	± 25.3	2100.3	± 41.9	1.32
Aka-03-008	0.0336	± 0.0006	0.2513	± 0.0152	213.3	± 3.5	227.6	± 13.8	0.55
Aka-03-009	0.3217	± 0.0037	5.0194	± 0.1062	1797.8	± 20.6	1822.5	± 38.6	0.53
Aka-03-010	0.0174	± 0.0002	0.1216	± 0.0041	111.2	± 1.4	116.5	± 3.9	0.75
Aka-03-011	0.3509	± 0.0037	5.6568	± 0.0979	1938.8	± 20.7	1924.7	± 33.3	0.34
Aka-03-012	0.0198	± 0.0003	0.1249	± 0.0057	126.4	± 1.7	119.5	± 5.4	0.50
Aka-03-013	0.0251	± 0.0005	0.1449	± 0.0138	159.8	± 3.4	137.4	± 13.0	0.92
Aka-03-014	0.0478	± 0.0005	0.3489	± 0.0088	301.0	± 3.4	303.9	± 7.7	0.11
Aka-03-015	0.4021	± 0.0044	7.8532	± 0.1451	2178.8	± 24.0	2214.2	± 40.9	0.42
Aka-03-016	0.0164	± 0.0002	0.1232	± 0.0045	104.7	± 1.3	117.9	± 4.3	0.44
Aka-03-017	0.0210	± 0.0003	0.1509	± 0.0075	134.1	± 1.6	142.7	± 7.1	1.02
Aka-03-018	0.0288	± 0.0007	0.1850	± 0.0245	182.8	± 4.4	172.4	± 22.9	0.41
Aka-03-019	0.3401	± 0.0026	5.5211	± 0.0963	1887.2	± 14.4	1903.8	± 33.2	0.16
Aka-03-020	0.0490	± 0.0012	0.3910	± 0.0465	308.2	± 7.6	335.1	± 39.8	0.30
Aka-03-021	0.0167	± 0.0002	0.1096	± 0.0048	106.7	± 1.2	105.6	± 4.6	0.39
Aka-03-022	0.3565	± 0.0026	6.6032	± 0.1005	1965.8	± 14.2	2059.7	± 31.3	0.15
Aka-03-023	0.0348	± 0.0008	0.2339	± 0.0302	220.7	± 5.4	213.4	± 27.5	0.61
Aka-03-024	0.3429	± 0.0031	5.2612	± 0.1255	1900.7	± 17.3	1862.5	± 44.4	0.65
Aka-03-025	0.0161	± 0.0005	0.1501	± 0.0173	102.8	± 3.0	142.0	± 16.4	0.47
Aka-03-026	0.0158	± 0.0003	0.1051	± 0.0049	101.0	± 1.6	101.5	± 4.8	0.64

Grain No.	Isotopic ratios		Age (Ma)		Th/U				
	$^{206}\text{Pb}/^{238}\text{U}$	Error 1σ	$^{207}\text{Pb}/^{235}\text{U}$	Error 1σ					
Aka-03-027	0.0167	± 0.0004	0.1300	± 0.0105	106.5	± 2.3	124.1	± 10.0	0.45
Aka-03-028	0.3693	± 0.0053	5.9083	± 0.1491	2026.1	± 29.3	1962.4	± 49.5	0.48
Aka-03-029	0.0170	± 0.0003	0.1171	± 0.0068	108.8	± 1.9	112.4	± 6.6	0.38
Aka-03-030	0.3438	± 0.0047	5.6020	± 0.1111	1904.8	± 26.0	1916.3	± 38.0	0.12
Aka-03-031	0.0159	± 0.0004	0.1243	± 0.0130	101.5	± 2.6	119.0	± 12.4	0.40
Aka-03-032	0.0162	± 0.0003	0.1071	± 0.0059	103.8	± 1.8	103.3	± 5.7	0.33
Aka-03-033	0.0164	± 0.0002	0.1172	± 0.0051	104.6	± 1.2	112.5	± 4.9	0.35
Aka-03-034	0.0355	± 0.0004	0.2366	± 0.0113	224.8	± 2.7	215.6	± 10.3	0.57
Aka-03-035	0.0317	± 0.0004	0.2243	± 0.0128	201.3	± 2.8	205.5	± 11.7	0.54
Aka-03-036	0.0311	± 0.0003	0.2186	± 0.0085	197.4	± 2.1	200.7	± 7.8	0.14
Aka-03-037	0.0162	± 0.0002	0.1099	± 0.0060	103.9	± 1.4	105.9	± 5.8	0.60
Aka-03-038	0.0172	± 0.0003	0.1413	± 0.0110	109.9	± 2.1	134.2	± 10.5	0.50
Aka-03-039	0.0277	± 0.0003	0.2162	± 0.0077	176.2	± 1.8	198.8	± 7.0	0.47
Aka-03-040	0.0420	± 0.0006	0.3010	± 0.0194	265.2	± 4.0	267.2	± 17.3	0.50
Aka-03-041	0.3263	± 0.0025	5.1197	± 0.0887	1820.3	± 14.1	1839.3	± 31.9	0.31
Aka-03-042	0.0202	± 0.0005	0.1617	± 0.0178	128.7	± 3.1	152.2	± 16.7	0.59
Aka-03-043	0.0168	± 0.0002	0.1203	± 0.0052	107.2	± 1.4	115.3	± 5.0	0.36
Aka-03-044	0.0164	± 0.0003	0.1075	± 0.0064	104.9	± 1.6	103.7	± 6.2	0.31
Aka-03-045	0.0172	± 0.0002	0.1163	± 0.0059	110.2	± 1.5	111.7	± 5.6	0.73
Aka-03-046	0.0423	± 0.0009	0.2731	± 0.0292	266.9	± 5.9	245.2	± 26.2	0.40
Aka-03-047	0.0164	± 0.0002	0.1024	± 0.0053	105.1	± 1.5	99.0	± 5.1	0.70
Aka-03-048	0.3443	± 0.0037	5.4088	± 0.1088	1907.4	± 20.3	1886.2	± 38.0	0.14
Aka-03-049	0.0302	± 0.0005	0.2218	± 0.0136	191.6	± 3.0	203.4	± 12.5	0.37
Aka-03-050	0.0162	± 0.0002	0.1181	± 0.0062	103.8	± 1.5	113.4	± 6.0	0.34
Aka-03-051	0.0637	± 0.0006	0.4830	± 0.0090	397.9	± 3.9	400.1	± 7.5	0.18
Aka-03-052	0.1367	± 0.0014	1.3373	± 0.0273	825.8	± 8.4	862.0	± 17.6	0.53
Aka-03-053	0.2364	± 0.0025	3.6676	± 0.0743	1368.0	± 14.4	1564.3	± 31.7	0.64
Aka-03-054	0.0185	± 0.0005	0.1388	± 0.0166	118.2	± 3.0	131.9	± 15.8	0.51
Aka-03-055	0.0171	± 0.0002	0.1164	± 0.0047	109.6	± 1.3	111.8	± 4.5	0.38
Aka-03-056	0.0290	± 0.0004	0.2045	± 0.0105	184.3	± 2.6	188.9	± 9.7	0.57
Aka-03-057	0.0438	± 0.0006	0.2916	± 0.0193	276.1	± 3.8	259.8	± 17.2	0.41
Aka-03-058	0.0166	± 0.0001	0.1208	± 0.0047	106.4	± 0.9	115.8	± 4.5	0.26
Aka-03-059	0.0158	± 0.0002	0.1139	± 0.0064	100.8	± 1.2	109.5	± 6.1	0.51
Aka-03-060	0.0165	± 0.0003	0.1076	± 0.0109	105.6	± 2.1	103.8	± 10.5	0.37
Aka-03-061	0.0263	± 0.0003	0.1815	± 0.0083	167.5	± 1.7	169.4	± 7.7	0.46
Aka-03-062	0.0438	± 0.0007	0.3415	± 0.0249	276.6	± 4.5	298.3	± 21.7	0.49
Aka-03-063	0.0165	± 0.0002	0.1376	± 0.0081	105.2	± 1.4	130.9	± 7.7	0.42
Aka-03-064	0.0169	± 0.0002	0.1168	± 0.0064	107.8	± 1.3	112.2	± 6.1	0.40
Aka-03-065	0.3528	± 0.0014	6.9055	± 0.0869	1948.1	± 7.6	2099.3	± 26.4	0.19
Aka-03-066	0.0162	± 0.0003	0.1323	± 0.0099	103.3	± 2.0	126.1	± 9.5	0.46
Aka-03-067	0.0166	± 0.0003	0.1232	± 0.0073	106.3	± 1.6	117.9	± 6.9	0.56
Aka-03-068	0.3497	± 0.0048	6.1025	± 0.2248	1933.3	± 26.4	1990.5	± 73.3	0.64
Aka-03-069	0.0180	± 0.0003	0.1216	± 0.0081	115.1	± 1.9	116.5	± 7.8	0.41
Aka-03-070	0.0177	± 0.0003	0.1118	± 0.0062	112.8	± 1.6	107.6	± 6.0	0.76
Aka-03-071	0.0166	± 0.0003	0.1072	± 0.0067	106.1	± 1.6	103.4	± 6.5	0.27
Aka-03-072	0.0196	± 0.0003	0.1306	± 0.0078	125.0	± 1.9	124.6	± 7.4	0.76
Aka-03-073	0.0355	± 0.0005	0.2287	± 0.0115	225.0	± 3.0	209.1	± 10.6	0.46
Aka-03-074	0.0162	± 0.0002	0.1145	± 0.0064	103.4	± 1.5	110.0	± 6.1	0.77
Aka-03-075	0.4667	± 0.0044	10.3004	± 0.1868	2468.9	± 23.0	2462.0	± 44.7	0.53

Grain No.	Isotopic ratios		Age (Ma)		Th/U
	$^{206}\text{Pb}/^{238}\text{U}$	Error 1σ	$^{207}\text{Pb}/^{235}\text{U}$	Error 1σ	
Aka-03-076	0.0193 ± 0.0003	0.1365 ± 0.0079	123.2 ± 1.8	129.9 ± 7.6	0.87
Aka-03-077	0.0164 ± 0.0002	0.1080 ± 0.0043	104.9 ± 1.2	104.1 ± 4.2	0.42
Aka-03-078	0.0187 ± 0.0004	0.1082 ± 0.0118	119.6 ± 2.7	104.3 ± 11.3	0.87
Aka-03-079	0.3253 ± 0.0031	5.1608 ± 0.0998	1815.6 ± 17.1	1846.1 ± 35.7	0.26
Aka-03-080	0.0253 ± 0.0004	0.1894 ± 0.0128	161.0 ± 2.7	176.1 ± 11.9	0.81
Aka-03-081	0.0291 ± 0.0003	0.2005 ± 0.0058	184.9 ± 1.9	185.6 ± 5.4	0.20
Aka-03-082	0.0173 ± 0.0002	0.1241 ± 0.0049	110.5 ± 1.3	118.8 ± 4.7	0.49
Aka-03-083	0.0289 ± 0.0003	0.2121 ± 0.0067	183.9 ± 2.0	195.3 ± 6.2	0.16
Aka-03-084	0.3995 ± 0.0038	7.5881 ± 0.1274	2166.9 ± 20.5	2183.4 ± 36.7	0.21
Aka-03-085	0.0168 ± 0.0003	0.1181 ± 0.0094	107.2 ± 2.0	113.3 ± 9.1	0.46
Aka-03-086	0.0166 ± 0.0003	0.1442 ± 0.0101	106.1 ± 2.0	136.7 ± 9.6	0.60
Aka-03-087	0.0166 ± 0.0003	0.1083 ± 0.0068	106.4 ± 1.6	104.4 ± 6.6	0.45
Aka-03-088	0.0165 ± 0.0003	0.1109 ± 0.0081	105.7 ± 1.8	106.8 ± 7.8	0.57
Aka-03-089	0.0165 ± 0.0002	0.1170 ± 0.0066	105.3 ± 1.6	112.3 ± 6.3	0.45
Aka-03-090	0.0163 ± 0.0002	0.1165 ± 0.0045	104.0 ± 1.2	111.9 ± 4.3	0.39
Aka-03-091	0.0156 ± 0.0003	0.1180 ± 0.0080	99.7 ± 1.7	113.2 ± 7.6	0.36
Aka-03-092	0.0176 ± 0.0002	0.1411 ± 0.0054	112.4 ± 1.4	134.0 ± 5.2	0.29
Aka-03-093	0.3295 ± 0.0049	5.1664 ± 0.1020	1836.0 ± 27.2	1847.0 ± 36.5	0.19
Aka-03-094	0.0280 ± 0.0005	0.1990 ± 0.0097	177.9 ± 3.1	184.3 ± 9.0	0.64
Aka-03-095	0.0310 ± 0.0006	0.2090 ± 0.0115	196.6 ± 3.6	192.7 ± 10.6	0.35
Aka-03-096	0.0189 ± 0.0003	0.1201 ± 0.0049	120.4 ± 2.0	115.1 ± 4.7	0.85
Aka-03-097	0.0341 ± 0.0007	0.2208 ± 0.0146	216.2 ± 4.2	202.5 ± 13.4	0.64
Aka-03-098	0.0164 ± 0.0003	0.1129 ± 0.0074	104.9 ± 2.1	108.6 ± 7.1	0.30
Aka-03-099	0.0154 ± 0.0004	0.0879 ± 0.0093	98.6 ± 2.4	85.6 ± 9.0	0.61
Aka-03-100	0.0164 ± 0.0003	0.1147 ± 0.0063	105.0 ± 1.9	110.3 ± 6.1	0.31
Aka-03-101	0.0409 ± 0.0006	0.2899 ± 0.0075	258.2 ± 3.9	258.5 ± 6.7	0.16
Aka-03-102	0.0164 ± 0.0002	0.1143 ± 0.0053	104.8 ± 1.3	109.9 ± 5.1	0.40
Aka-03-103	0.0339 ± 0.0008	0.2800 ± 0.0275	214.7 ± 4.9	250.7 ± 24.7	0.57
Aka-03-104	0.0166 ± 0.0002	0.1057 ± 0.0050	106.3 ± 1.3	102.0 ± 4.9	0.61
Aka-03-105	0.3784 ± 0.0031	7.4136 ± 0.0910	2069.0 ± 17.0	2162.5 ± 26.6	0.30
Aka-03-106	0.3090 ± 0.0030	4.7584 ± 0.0963	1735.8 ± 16.6	1777.5 ± 36.0	0.59
Aka-03-107	0.0450 ± 0.0006	0.3583 ± 0.0190	283.9 ± 4.0	310.9 ± 16.5	0.88
Aka-03-108	0.3457 ± 0.0032	5.6288 ± 0.0995	1914.2 ± 17.5	1920.4 ± 34.0	0.26
Aka-03-109	0.0164 ± 0.0002	0.1114 ± 0.0065	105.0 ± 1.5	107.3 ± 6.3	0.34
Aka-03-110	0.0282 ± 0.0004	0.1776 ± 0.0124	179.0 ± 2.8	165.9 ± 11.6	0.22
Aka-03-111	0.0392 ± 0.0005	0.2760 ± 0.0104	247.6 ± 3.0	247.5 ± 9.3	0.74
Aka-03-112	0.0266 ± 0.0004	0.1779 ± 0.0100	169.1 ± 2.5	166.3 ± 9.4	0.68
Aka-03-113	0.0167 ± 0.0002	0.1127 ± 0.0060	106.6 ± 1.5	108.4 ± 5.7	0.32
Aka-03-114	0.4103 ± 0.0040	8.4133 ± 0.1150	2216.3 ± 21.4	2276.5 ± 31.1	0.55
Aka-03-115	0.0397 ± 0.0006	0.2858 ± 0.0144	251.2 ± 3.6	255.2 ± 12.9	0.45
Aka-03-116	0.3212 ± 0.0032	5.0590 ± 0.0779	1795.4 ± 17.7	1829.2 ± 28.2	0.13
Aka-03-117	0.0173 ± 0.0003	0.1401 ± 0.0098	110.8 ± 2.0	133.1 ± 9.3	0.32
Aka-03-118	0.0292 ± 0.0006	0.2019 ± 0.0148	185.3 ± 3.6	186.8 ± 13.7	0.90
Aka-03-119	0.0395 ± 0.0005	0.2756 ± 0.0103	249.9 ± 3.4	247.2 ± 9.3	0.76
Aka-03-120	0.0295 ± 0.0004	0.2097 ± 0.0079	187.2 ± 2.6	193.3 ± 7.3	0.29
Aka-03-121	0.0154 ± 0.0003	0.1220 ± 0.0092	98.3 ± 2.0	116.9 ± 8.8	0.61
Aka-03-122	0.3413 ± 0.0043	5.4303 ± 0.1240	1893.1 ± 23.8	1889.6 ± 43.2	0.47
Aka-03-123	0.0418 ± 0.0006	0.4130 ± 0.0151	264.1 ± 3.8	351.0 ± 12.8	0.27
Aka-03-124	0.0179 ± 0.0003	0.1377 ± 0.0090	114.3 ± 2.1	130.9 ± 8.6	0.79

Grain No.	Isotopic ratios		Age (Ma)		Th/U
	$^{206}\text{Pb}/^{238}\text{U}$	Error 1σ	$^{207}\text{Pb}/^{235}\text{U}$	Error 1σ	
Aka-03-125	0.0158 ± 0.0006	0.1069 ± 0.0079	100.8 ± 3.8	103.1 ± 7.6	0.28
Aka-03-126	0.0273 ± 0.0005	0.1825 ± 0.0079	173.7 ± 3.4	170.2 ± 7.3	0.29
Aka-03-127	0.0158 ± 0.0004	0.1125 ± 0.0059	101.0 ± 2.6	108.2 ± 5.7	0.72
Aka-03-128	0.3130 ± 0.0038	4.8448 ± 0.0973	1755.4 ± 21.3	1792.7 ± 36.0	0.41
Aka-03-129	0.0635 ± 0.0027	0.6200 ± 0.0472	396.7 ± 17.1	489.8 ± 37.3	0.38
Aka-03-130	0.2902 ± 0.0039	4.3651 ± 0.1033	1642.7 ± 22.1	1705.7 ± 40.4	0.56
Aka-03-131	0.0178 ± 0.0008	0.1555 ± 0.0119	113.8 ± 4.8	146.7 ± 11.2	0.38
Aka-03-132	0.0231 ± 0.0004	0.1477 ± 0.0055	147.3 ± 2.5	139.9 ± 5.3	0.24
Aka-03-133	0.0450 ± 0.0010	0.3298 ± 0.0228	283.5 ± 6.5	289.4 ± 20.0	0.66
Aka-03-134	0.0162 ± 0.0004	0.1269 ± 0.0120	103.3 ± 2.7	121.3 ± 11.5	0.53
Aka-03-135	0.3332 ± 0.0065	5.2602 ± 0.1670	1853.8 ± 36.0	1862.4 ± 59.1	0.32
Aka-03-136	0.0281 ± 0.0006	0.2143 ± 0.0115	178.8 ± 3.8	197.2 ± 10.6	0.68
Aka-03-137	0.0160 ± 0.0004	0.1296 ± 0.0089	102.0 ± 2.4	123.7 ± 8.5	0.38
Aka-03-138	0.0345 ± 0.0007	0.2339 ± 0.0107	218.7 ± 4.4	213.4 ± 9.8	0.57
Aka-03-139	0.0168 ± 0.0004	0.1188 ± 0.0062	107.4 ± 2.3	114.0 ± 5.9	0.35
Aka-03-140	0.0257 ± 0.0005	0.1970 ± 0.0085	163.8 ± 3.3	182.6 ± 7.8	0.47
Aka-03-141	0.0401 ± 0.0005	0.2919 ± 0.0138	253.4 ± 3.3	260.0 ± 12.3	0.39
Aka-03-142	0.0303 ± 0.0004	0.2130 ± 0.0093	192.5 ± 2.4	196.1 ± 8.5	0.52
Aka-03-143	0.0407 ± 0.0005	0.3074 ± 0.0133	257.0 ± 3.3	272.2 ± 11.8	0.59
Aka-03-144	0.0205 ± 0.0004	0.1415 ± 0.0115	130.5 ± 2.4	134.4 ± 10.9	0.58
Aka-03-145	0.0184 ± 0.0003	0.1026 ± 0.0074	117.6 ± 1.8	99.1 ± 7.1	0.28
Aka-03-146	0.0188 ± 0.0003	0.1386 ± 0.0075	120.2 ± 1.7	131.8 ± 7.1	0.33
Aka-03-147	0.0169 ± 0.0002	0.1049 ± 0.0054	108.0 ± 1.4	101.3 ± 5.3	1.07
Aka-03-148	0.0169 ± 0.0003	0.1228 ± 0.0066	108.3 ± 1.7	117.6 ± 6.3	0.42
Aka-03-149	0.0184 ± 0.0004	0.1195 ± 0.0126	117.6 ± 2.7	114.6 ± 12.1	0.51
Aka-03-150	0.0160 ± 0.0003	0.1022 ± 0.0080	102.1 ± 1.9	98.8 ± 7.7	0.76
Aka-03-151	0.3970 ± 0.0047	7.0042 ± 0.1467	2155.0 ± 25.7	2111.9 ± 44.2	0.20
Aka-03-152	0.0166 ± 0.0003	0.1356 ± 0.0111	106.0 ± 2.2	129.2 ± 10.6	0.48
Aka-03-153	0.2729 ± 0.0032	4.3750 ± 0.0903	1555.4 ± 18.3	1707.6 ± 35.3	0.16
Aka-03-154	0.3964 ± 0.0047	6.6981 ± 0.1406	2152.4 ± 25.6	2072.3 ± 43.5	0.58
Aka-03-155	0.0815 ± 0.0014	0.6145 ± 0.0398	505.2 ± 8.9	486.4 ± 31.5	0.50
Aka-03-156	0.3499 ± 0.0051	6.9385 ± 0.1451	1934.2 ± 28.3	2103.5 ± 44.0	0.25
Aka-03-157	0.0453 ± 0.0008	0.3284 ± 0.0168	285.7 ± 5.0	288.3 ± 14.8	0.46
Aka-03-158	0.0176 ± 0.0005	0.1090 ± 0.0146	112.3 ± 3.0	105.0 ± 14.1	0.39
Aka-03-159	0.0357 ± 0.0007	0.2245 ± 0.0141	226.4 ± 4.2	205.6 ± 12.9	0.63
Aka-03-160	0.3464 ± 0.0053	5.4298 ± 0.1392	1917.2 ± 29.3	1889.5 ± 48.4	0.26
Aka-03-161	0.0162 ± 0.0003	0.1100 ± 0.0050	103.8 ± 1.7	105.9 ± 4.8	0.54
Aka-03-162	0.0172 ± 0.0003	0.1088 ± 0.0048	109.7 ± 1.8	104.8 ± 4.6	0.51
Aka-03-163	0.4143 ± 0.0062	7.8463 ± 0.1743	2234.7 ± 33.2	2213.5 ± 49.2	0.22
Aka-03-164	0.0160 ± 0.0003	0.1063 ± 0.0058	102.6 ± 1.8	102.5 ± 5.6	0.47