

## **Data Repository- Benyon**

### **U-Pb geochronologic analyses of detrital zircon (Nu HR ICPMS)**

Zircon crystals are extracted from samples by traditional methods of crushing and grinding, followed by separation with a Wilfley table, heavy liquids, and a Frantz magnetic separator. Samples are processed such that all zircons are retained in the final heavy mineral fraction. A large split of these grains (generally thousands of grains) is incorporated into a 1" epoxy mount together with fragments of our Sri Lanka standard zircon. The mounts are sanded down to a depth of ~20 microns, polished, imaged, and cleaned prior to isotopic analysis.

U-Pb geochronology of zircons is conducted by laser ablation multicollector inductively coupled plasma mass spectrometry (LA-MC-ICPMS) at the Arizona LaserChron Center (Gehrels et al., 2006, 2008). The analyses involve ablation of zircon with a Photon Machines Analyte G2 excimer laser (or, prior to May 2011, a New Wave UP193HE Excimer laser) using a spot diameter of 30 microns. The ablated material is carried in helium into the plasma source of a Nu HR ICPMS, which is equipped with a flight tube of sufficient width that U, Th, and Pb isotopes are measured simultaneously. All measurements are made in static mode, using Faraday detectors with  $3 \times 10^{11}$  ohm resistors for  $^{238}\text{U}$ ,  $^{232}\text{Th}$ ,  $^{208}\text{Pb}$ - $^{206}\text{Pb}$ , and discrete dynode ion counters for  $^{204}\text{Pb}$  and  $^{202}\text{Hg}$ . Ion yields are ~0.8 mv per ppm. Each analysis consists of one 15-second integration on peaks with the laser off (for backgrounds), 15 one-second integrations with the laser firing, and a 30 second delay to purge the previous sample and prepare for the next analysis. The ablation pit is ~15 microns in depth.

For each analysis, the errors in determining  $^{206}\text{Pb}/^{238}\text{U}$  and  $^{206}\text{Pb}/^{204}\text{Pb}$  result in a measurement error of ~1-2% (at 2-sigma level) in the  $^{206}\text{Pb}/^{238}\text{U}$  age. The errors in measurement of  $^{206}\text{Pb}/^{207}\text{Pb}$  and  $^{206}\text{Pb}/^{204}\text{Pb}$  also result in ~1-2% (at 2-sigma level) uncertainty in age for grains that are >1.0 Ga, but are substantially larger for younger grains due to low intensity of the  $^{202}\text{Pb}$  signal. For most analyses, the cross-over in precision of  $^{206}\text{Pb}/^{238}\text{U}$  and  $^{206}\text{Pb}/^{207}\text{Pb}$  ages occurs at ~1.0 Ga.

$^{204}\text{Hg}$  interference with  $^{204}\text{Pb}$  is accounted for measurement of  $^{202}\text{Hg}$  during laser ablation and subtraction of  $^{204}\text{Hg}$  according to the natural  $^{202}\text{Hg}/^{204}\text{Hg}$  of 4.35. This Hg is correction is not significant for most analyses because our Hg backgrounds are low (generally ~150 cps at mass 204).

Common Pb correction is accomplished by using the Hg-corrected  $^{204}\text{Pb}$  and assuming an initial Pb composition from Stacey and Kramers (1975). Uncertainties of 1.5 for  $^{206}\text{Pb}/^{204}\text{Pb}$  and 0.3 for  $^{207}\text{Pb}/^{204}\text{Pb}$  are applied to these compositional values based on the variation in Pb isotopic composition in modern crystal rocks.

Inter-element fractionation of Pb/U is generally ~5%, whereas apparent fractionation of Pb isotopes is generally <0.2%. In-run analysis of fragments of a large zircon crystal (generally every fifth measurement) with known age of  $563.5 \pm 3.2$  Ma (2-sigma error) is used to correct for this fractionation. The uncertainty resulting from the calibration correction is generally 1-2% (2-sigma) for both  $^{206}\text{Pb}/^{207}\text{Pb}$  and  $^{206}\text{Pb}/^{238}\text{U}$  ages.

Concentrations of U and Th are calibrated relative to our Sri Lanka zircon, which contains ~518 ppm of U and 68 ppm Th.

The resulting interpreted ages are shown on Pb\*/U concordia diagrams and relative age-probability diagrams using the routines in Isoplot (Ludwig, 2008). The age-probability diagrams show each age and its uncertainty (for measurement error only) as a normal distribution, and sum all ages from a sample into a single curve.

#### References:

Gehrels, G.E., Valencia, V., Ruiz, J., 2008, Enhanced precision, accuracy, efficiency, and spatial resolution of U-Pb ages by laser ablation–multicollector–inductively coupled plasma–mass spectrometry: *Geochemistry, Geophysics, Geosystems*, v. 9, Q03017, doi:10.1029/2007GC001805.

Gehrels, G.E., Valencia, V., Pullen, A., 2006, Detrital zircon geochronology by Laser-Ablation Multicollector ICPMS at the Arizona LaserChron Center, in Loszewski, T., and Huff, W., eds., *Geochronology: Emerging Opportunities*, Paleontology Society Short Course: Paleontology Society Papers, v. 11, 10 p.

Ludwig, K.R., 2008, Isoplot 3.60. Berkeley Geochronology Center, Special Publication No. 4, 77 p.

Stacey, J.S., and Kramers, J.D., 1975, Approximation of terrestrial lead isotope evolution by a two-stage model: *Earth and Planetary Science Letters*, v. 26, p. 207-221.

Data Table DR1

1. Location: 1AA/02-11-08A-07W4/00

Analysis	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*	(Ma)	235U	(Ma)	207Pb*	(Ma)	(Ma)	(Ma)	(%)
BENYON 356-92	774	32577	1.9	20.0735	3.3	0.1864	3.5	0.0271	1.2	0.34	172.6	2.0	173.6	5.6	186.4	76.5	172.6	2.0	NA
BENYON 356-76	378	20556	3.2	20.4959	5.5	0.2429	5.7	0.0361	1.4	0.25	228.7	3.2	220.8	11.2	137.8	128.8	228.7	3.2	NA
BENYON 356-36	193	15394	2.7	21.0886	10.6	0.2378	10.7	0.0364	1.7	0.16	230.3	3.9	216.6	20.9	70.4	252.5	230.3	3.9	NA
BENYON 356-2	280	23115	1.9	20.1039	7.1	0.2536	7.2	0.0370	0.9	0.12	234.1	2.1	229.5	14.8	182.9	166.5	234.1	2.1	NA
BENYON 356-21	174	20877	1.8	19.8673	8.0	0.2686	8.8	0.0387	3.8	0.43	244.8	9.2	241.6	19.0	210.4	184.7	244.8	9.2	NA
BENYON 356-45	213	134278	2.3	19.6226	11.0	0.3014	11.3	0.0429	2.4	0.21	270.8	6.3	267.5	26.5	239.1	254.4	270.8	6.3	NA
BENYON 356-95	928	61719	2.0	19.4924	1.5	0.3094	1.8	0.0437	1.1	0.60	276.0	2.9	273.8	4.4	254.4	33.7	276.0	2.9	NA
BENYON 356-40	671	94355	3.3	19.2901	1.9	0.3349	2.3	0.0469	1.3	0.57	292.5	3.8	293.3	5.8	278.4	43.1	295.2	3.8	NA
BENYON 356-64	78	11303	1.3	18.4519	10.4	0.1582	11.2	0.0694	4.0	0.36	432.3	16.9	424.0	38.9	379.1	235.5	432.3	16.9	114.0
BENYON 356-102	205	34172	1.6	17.8086	3.9	0.5614	4.2	0.0725	1.3	0.32	451.2	5.8	452.4	15.2	458.4	87.2	451.2	5.8	98.4
BENYON 356-19	90	14452	1.9	17.8886	6.6	0.6542	7.0	0.0849	2.4	0.35	525.2	12.3	511.1	28.1	448.4	145.8	525.2	12.3	117.1
BENYON 356-74	103	15398	3.2	17.9372	5.5	0.6598	5.8	0.0858	1.9	0.33	530.8	9.8	514.5	23.5	442.4	122.1	530.8	9.8	120.0
BENYON 356-56	185	87366	5.3	15.0068	3.1	1.1161	4.6	0.1215	3.3	0.73	739.0	23.3	761.1	24.4	826.4	64.9	739.0	23.3	89.4
BENYON 356-34	401	111235	1.7	15.2784	0.7	1.1162	1.2	0.1289	1.0	0.80	781.5	7.0	783.4	6.5	788.9	14.9	781.5	7.0	99.1
BENYON 356-103	96	55821	2.7	18.3104	3.1	1.7410	3.5	0.1744	1.6	0.45	1036.2	15.3	1023.8	22.7	99.7	63.8	99.7	10.9	103.9
BENYON 356-82	123	52260	1.3	13.7212	3.7	1.3386	8.6	0.1332	7.7	0.90	806.2	58.7	862.6	49.8	1010.6	74.4	1010.6	74.4	79.8
BENYON 356-1	117	55636	2.4	13.5813	1.7	1.7634	2.0	0.1737	0.9	0.48	1032.5	9.0	1032.1	12.8	1031.3	35.2	1031.3	35.2	100.1
BENYON 356-15	115	40800	2.8	13.5120	1.6	1.7734	2.2	0.1738	1.5	0.68	1033.0	14.1	1041.7	32.1	1041.7	32.1	99.2		
BENYON 356-3	118	28005	3.2	13.4835	1.6	1.7913	2.1	0.1752	1.3	0.63	1040.6	12.5	1042.3	13.5	1046.0	32.4	1046.0	32.4	99.5
BENYON 356-13	442	140674	3.2	13.4705	0.3	1.8389	1.0	0.1797	0.9	0.94	1065.1	9.0	1059.5	6.4	1047.9	6.6	1047.9	6.6	101.6
BENYON 356-5	413	156812	1.1	13.4590	0.3	1.8103	1.1	0.1787	1.0	0.95	1059.6	9.9	1056.4	7.0	1049.6	7.0	1049.6	7.0	101.0
BENYON 356-53	429	155724	3.0	13.4119	0.5	1.8419	1.6	0.1792	1.5	0.94	1062.4	15.2	1060.5	10.8	1056.7	10.9	1056.7	10.9	100.5
BENYON 356-61	505	136984	4.3	13.3863	0.4	1.8248	2.7	0.1772	2.6	0.99	1051.5	25.4	1054.4	17.4	1060.5	8.8	1060.5	8.8	99.1
BENYON 356-42	165	115750	1.3	13.2877	2.2	1.9500	3.2	0.1878	2.4	0.74	1109.4	24.2	1098.5	21.6	1076.8	43.7	1076.8	43.7	103.0
BENYON 356-66	456	172380	15.9	12.9864	0.6	2.0992	1.4	0.1977	1.2	0.89	1163.0	13.0	1148.5	9.5	1121.3	12.4	1121.3	12.4	103.7
BENYON 356-41	566	283165	2.5	12.5945	0.3	2.2180	1.6	0.2026	1.6	0.98	1189.3	17.4	1186.7	11.5	1182.1	6.9	1182.1	6.9	100.6
BENYON 356-49	183	99338	2.7	12.4270	1.4	2.2913	2.0	0.2065	1.4	0.72	1210.2	15.9	1209.6	14.2	1208.5	27.5	1208.5	27.5	100.1
BENYON 356-59	69	36242	2.1	12.3149	2.4	2.4232	2.9	0.2172	1.7	0.58	1267.2	19.7	1252.1	21.1	1226.3	46.7	1226.3	46.7	103.3
BENYON 356-58	341	158630	2.7	11.7949	0.5	2.6586	1.9	0.2274	1.8	0.96	1321.0	22.0	1317.0	14.1	1310.5	10.1	1310.5	10.1	100.8
BENYON 356-37	302	140646	5.5	11.4367	0.6	2.4763	2.7	0.2054	2.6	0.97	1204.2	29.0	1265.1	19.7	1370.2	32.5	1370.2	12.5	87.9
BENYON 356-90	177	59575	2.8	9.8992	0.8	4.0785	1.1	0.2928	0.8	0.68	1655.6	11.2	1650.0	9.1	1642.9	15.1	1642.9	15.1	100.8
BENYON 356-63	194	145788	1.6	9.8971	0.6	4.2554	5.0	0.3055	5.0	0.99	1718.3	74.8	1684.8	41.1	1643.3	11.1	1643.3	11.1	104.6
BENYON 356-48	421	406388	1.8	9.8434	0.2	4.0682	1.1	0.2904	1.1	0.99	1643.7	15.6	1648.0	8.9	1653.4	3.5	1653.4	3.5	99.4
BENYON 356-29	187	117404	4.4	9.4161	0.6	4.6242	1.2	0.3158	1.1	0.88	1769.2	16.8	1753.6	10.3	1735.2	11.0	1735.2	11.0	102.0
BENYON 356-62	107	56304	2.5	9.3851	0.9	4.0750	3.0	0.3203	2.8	0.95	1791.0	44.0	1768.1	24.9	1741.2	17.2	1741.2	17.2	102.9
BENYON 356-44	69	35572	2.4	9.1800	1.0	4.8167	1.4	0.3207	1.0	0.68	1793.1	14.9	1787.8	11.8	1781.6	18.7	1781.6	18.7	100.6
BENYON 356-33	314	352705	3.3	9.1495	0.3	4.7668	0.8	0.3163	0.8	0.95	1771.7	11.9	1779.1	6.8	1787.7	4.8	1787.7	4.8	99.1
BENYON 356-50	196	89127	1.7	9.1262	0.6	4.9797	2.4	0.3296	2.3	0.97	1836.4	36.5	1815.9	19.9	1792.3	10.1	1792.3	10.1	102.5
BENYON 356-86	445	440931	19.0	9.1211	0.3	4.9640	1.3	0.3284	1.3	0.98	1830.5	21.0	1813.2	11.3	1793.4	4.6	1793.4	4.6	102.1
BENYON 356-32	202	160344	2.4	9.0289	0.7	4.8505	0.9	0.3176	0.6	0.65	1778.2	8.8	1793.7	7.3	1811.8	12.0	1811.8	12.0	98.1
BENYON 356-35	240	60831	2.2	9.0286	0.3	4.9165	0.8	0.3219	0.8	0.94	1799.2	11.8	1805.1	6.8	1811.9	5.0	1811.9	5.0	99.3
BENYON 356-12	280	144631	2.1	8.9610	0.4	4.8281	1.4	0.3138	1.3	0.95	1759.3	20.4	1789.8	11.8	1825.5	8.1	1825.5	8.1	96.4
BENYON 356-64	45	23045	1.1	8.9520	2.0	5.2660	2.3	0.3419	1.1	0.50	1895.8	18.7	1863.4	19.5	1827.4	35.9	1827.4	35.9	103.7
BENYON 356-84	308	94203	3.4	8.9425	0.3	4.5040	4.6	0.2921	4.6	1.00	1652.1	66.9	1731.7	38.2	1829.3	5.6	1829.3	5.6	90.3
BENYON 356-69	123	157535	1.1	8.9349	0.8	5.0065	2.1	0.3244	1.9	0.92	1811.3	30.1	1820.4	17.6	1830.8	15.1	1830.8	15.1	98.9
BENYON 356-14	91	40749	1.0	8.8440	1.1	5.2117	1.3	0.3343	0.7	0.56	1859.2	11.9	1845.4	11.2	1849.3	19.7	1849.3	19.7	100.5
BENYON 356-20	83	46199	1.4	8.8400	1.0	5.2275	1.2	0.3352	0.7	0.57	1863.3	11.1	1857.1	10.3	1850.1	18.0	1850.1	18.0	100.7
BENYON 356-23	199	202015	2.7	8.7035	0.5	5.4525	1.5	0.3442	1.4	0.95	1906.8	23.4	1893.2	12.8	1878.3	8.6	1878.3	8.6	101.5
BENYON 356-22	199	107576	1.5	8.6788	0.5	5.6197	1.3	0.3537	1.2	0.93	1952.4	21.0	1919.1	11.5	1883.4	8.5	1883.4	8.5	103.7
BENYON 356-83	217	127337	1.2	8.5965	0.4	5.7239	3.2	0.3569	3.2	0.99	1967.3	53.5	1935.0	27.5	1900.5	6.8	1900.5	6.8	103.5
BENYON 356-31	69	80619	1.3	8.5339	1.0	5.4962	1.2	0.3402	0.8	0.62	1887.5	12.5	1900.0	10.6	1913.6	17.3	1913.6	17.3	98.6
BENYON 356-68	299	246963	19.2	8.5267	0.3	5.3457	0.5	0.4317	2.6	1.00	1894.9	42.7	1904.6	22.5	1915.1	4.6	1915.1	4.6	98.9
BENYON 356-75	83	272441	3.0	8.4463	0.3	5.6643	1.1	0.3470	1.0	0.97	1920.1	16.9	1925.9	9.1	1932.1</td				

BENYON 293-97	162	18623	3.7	18.0945	4.3	0.4992	4.9	0.0655	2.3	0.46	409.0	8.9	411.1	16.4	423.0	95.9	409.0	8.9	96.7
BENYON 293-90	144	24896	4.1	18.7181	4.7	0.4859	5.4	0.0660	2.7	0.49	411.8	10.7	402.1	18.1	346.9	107.2	411.8	10.7	118.7
BENYON 293-86	27	3761	2.5	27.1216	46.0	0.3377	46.1	0.0664	2.4	0.05	414.6	9.8	295.4	118.6	-565.9	1299.5	414.6	9.8	NA
BENYON 293-77	352	43732	3.3	18.1289	1.5	0.5100	2.2	0.0671	1.6	0.74	418.4	6.5	418.4	7.4	418.7	32.7	418.4	6.5	99.9
BENYON 293-19	102	14140	1.8	18.6385	7.7	0.4964	8.2	0.0671	2.6	0.32	418.7	10.7	409.3	27.5	356.5	174.8	418.7	10.7	117.5
BENYON 293-34	118	16602	1.1	18.0138	2.9	0.5251	3.9	0.0686	2.5	0.65	427.8	10.5	428.6	13.6	432.9	65.4	427.8	10.5	98.8
BENYON 293-51	244	32467	1.7	17.7308	3.4	0.5684	3.7	0.0731	1.5	0.41	454.7	6.8	457.0	13.8	468.1	75.3	454.7	6.8	97.1
BENYON 293-45	73	9968	1.8	18.9401	11.5	0.5592	11.7	0.0768	2.0	0.17	477.1	9.1	451.0	42.5	320.1	261.8	477.1	9.1	149.0
BENYON 293-83	38	15591	3.5	14.3884	5.4	1.5152	6.0	0.1581	2.4	0.41	946.3	21.5	936.5	36.5	913.6	112.0	913.6	112.0	103.6
BENYON 293-103	150	70242	3.3	14.0743	2.1	1.6068	2.4	0.1640	1.2	0.48	979.0	10.5	972.8	15.1	958.9	43.2	958.9	43.2	102.1
BENYON 293-28	111	49368	1.7	14.0382	1.5	1.5655	1.9	0.1594	1.1	0.57	953.4	9.5	956.6	11.6	964.2	31.4	964.2	31.4	98.9
BENYON 293-94	48	62363	1.9	13.9556	4.0	1.6229	5.5	0.1647	3.8	0.69	983.0	35.0	979.1	34.8	970.3	81.5	970.3	81.5	101.3
BENYON 293-37	83	34520	1.7	13.8951	3.6	1.6484	4.2	0.1661	2.1	0.50	990.7	19.4	988.0	26.6	985.0	74.1	985.0	74.1	100.6
BENYON 293-88	116	16524	2.3	13.8005	1.9	1.7469	2.3	0.1748	1.3	0.56	1038.7	12.1	1026.0	14.6	998.5	38.0	998.5	38.0	104.0
BENYON 293-7	113	46620	3.3	13.7985	1.5	1.6923	2.2	0.1694	1.6	0.72	1008.6	15.1	1005.6	14.2	999.2	31.3	999.2	31.3	100.9
BENYON 293-18	446	115794	8.4	13.7131	0.7	1.7105	3.9	0.1701	3.9	0.98	1012.8	36.4	1012.5	25.3	1011.8	15.1	1011.8	15.1	100.1
BENYON 293-8	270	71460	3.6	13.6730	0.7	1.8007	1.2	0.1786	1.0	0.83	1059.1	10.1	1045.7	8.1	1017.7	13.9	1045.7	13.9	104.1
BENYON 293-4	118	53198	2.0	13.6695	0.9	1.7041	2.6	0.1689	2.4	0.93	1006.3	22.8	1010.1	16.8	1018.3	19.0	1018.3	19.0	98.8
BENYON 293-46	194	71103	2.3	13.6583	1.2	1.7372	1.5	0.1721	0.9	0.60	1023.6	8.6	1022.4	9.8	1019.9	24.8	1019.9	24.8	100.4
BENYON 293-32	43	14616	1.5	13.6521	5.8	1.7813	6.2	0.1764	2.1	0.35	1047.1	20.6	1038.6	40.1	1020.8	117.1	1020.8	117.1	102.6
BENYON 293-35	53	16786	2.6	13.6291	4.3	1.7847	4.8	0.1764	2.2	0.46	1047.4	21.7	1039.9	31.5	1024.2	86.7	1024.2	86.7	102.3
BENYON 293-26	169	67012	2.1	13.6244	2.0	1.7736	2.1	0.1753	0.8	0.39	1041.0	7.9	1035.8	13.8	1024.9	39.6	1024.9	39.6	101.6
BENYON 293-69	216	56263	4.0	13.6216	0.8	1.7473	1.4	0.1726	1.2	0.82	1026.5	11.2	1026.2	9.3	1025.3	16.7	1025.3	16.7	100.1
BENYON 293-85	101	50372	1.9	13.6073	1.8	1.6975	4.2	0.1675	3.8	0.90	998.4	35.4	1007.6	27.1	1027.5	37.1	1027.5	37.1	97.2
BENYON 293-40	164	48750	1.7	13.5603	1.5	1.8589	2.7	0.1828	2.2	0.82	1082.4	22.0	1066.6	17.8	1034.5	31.1	1034.5	31.1	104.6
BENYON 293-84	150	45608	2.2	13.5495	1.3	1.8478	1.9	0.1816	1.4	0.71	1075.6	13.4	1062.7	12.6	1036.1	27.1	1036.1	27.1	103.8
BENYON 293-93	199	61782	3.0	13.5306	1.3	1.7588	1.7	0.1726	1.2	0.68	1026.4	11.1	1030.4	11.1	1038.9	25.6	1038.9	25.6	98.8
BENYON 293-60	132	45339	1.5	13.5238	1.5	1.7510	2.0	0.1717	1.3	0.66	1021.7	12.4	1027.5	12.9	1039.9	30.4	1039.9	30.4	98.3
BENYON 293-56	54	40165	2.0	13.4673	2.7	1.7891	3.1	0.1748	1.6	0.52	1038.2	15.6	1041.5	20.4	1048.4	54.0	1048.4	54.0	99.0
BENYON 293-4	355	125214	1.3	13.4505	0.4	1.7938	0.9	0.1750	0.8	0.90	1039.6	7.6	1043.2	5.7	1050.9	7.8	1050.9	7.8	98.9
BENYON 293-53	205	79215	4.0	13.4483	0.7	1.7830	1.8	0.1739	1.6	0.91	1033.6	15.4	1039.3	11.5	1051.2	14.4	1051.2	14.4	98.3
BENYON 293-43	110	51275	1.3	13.4425	1.7	1.9117	1.9	0.1864	0.9	0.46	1101.7	8.6	1085.2	12.5	1052.1	33.6	1052.1	33.6	104.7
BENYON 293-49	142	125460	4.2	13.4086	2.2	1.9124	3.6	0.1860	2.8	0.79	1099.6	28.5	1085.4	23.8	1057.2	44.0	1057.2	44.0	104.0
BENYON 293-34	138	28888	2.7	13.4051	1.5	1.8044	2.1	0.1754	1.5	0.70	1042.0	14.0	1047.1	13.6	1057.7	30.1	1057.7	30.1	98.5
BENYON 293-76	166	53664	1.9	13.3869	1.2	1.8887	1.7	0.1834	1.2	0.72	1085.4	11.9	1077.1	11.1	1060.5	23.5	1060.5	23.5	102.4
BENYON 293-21	110	33391	2.0	13.3828	1.6	1.8796	2.7	0.1824	2.2	0.80	1080.3	22.0	1073.9	18.2	1061.1	32.8	1061.1	32.8	101.8
BENYON 293-38	264	70331	1.1	13.3774	0.8	1.9210	1.3	0.1864	1.1	0.79	1101.7	10.7	1088.4	8.9	1061.9	16.6	1061.9	16.6	103.8
BENYON 293-47	1207	268964	7.3	13.3627	0.1	1.8609	1.1	0.1803	1.1	0.99	1068.9	11.3	1067.3	7.6	1064.1	2.3	1064.1	2.3	100.4
BENYON 293-30	26	6620	2.5	13.3476	9.1	1.9169	9.6	0.1933	3.1	0.32	1139.3	32.5	1114.5	65.4	1066.4	183.9	1066.4	183.9	106.8
BENYON 293-100	331	39171	1.3	13.3353	0.9	1.8582	1.6	0.1797	1.3	0.81	1065.4	13.0	1066.3	10.7	1068.2	19.0	1068.2	19.0	99.7
BENYON 293-16	141	67302	1.2	13.2886	2.7	1.8900	3.4	0.1822	2.0	0.60	1078.7	20.0	1077.6	22.4	1075.2	54.3	1075.2	54.3	100.3
BENYON 293-6	64	30136	1.6	13.2604	3.6	1.8816	3.7	0.1810	0.7	0.20	1072.2	7.4	1074.6	24.3	1079.5	72.0	1079.5	72.0	99.3
BENYON 293-3	80	23290	2.2	13.2603	2.0	1.8810	1.1	0.1809	1.1	0.49	1071.9	11.1	1074.4	15.3	1079.5	40.3	1079.5	40.3	99.3
BENYON 293-22	76	47398	2.6	12.9854	2.6	2.1145	3.5	0.1991	2.4	0.68	1170.7	25.6	1153.5	24.3	1121.4	51.7	1121.4	51.7	104.4
BENYON 293-9	42	14860	2.0	12.9300	4.5	2.0272	4.8	0.1901	1.7	0.35	1122.0	17.4	1124.7	32.4	1129.9	88.9	1129.9	88.9	99.3
BENYON 293-24	266	92598	3.2	12.9261	1.2	2.0364	3.1	0.1909	2.8	0.91	1126.3	28.9	1127.7	20.8	1130.6	24.8	1130.6	24.8	99.6
BENYON 293-55	49	21680	1.5	12.8826	4.1	2.0108	4.4	0.1964	1.7	0.39	1155.9	18.1	1149.4	30.5	1137.3	81.2	1137.3	81.2	101.6
BENYON 293-41	276	391410	3.8	12.8211	0.8	2.1183	1.6	0.1970	1.3	0.84	1158.9	13.9	1154.7	10.7	1146.8	16.6	1146.8	16.6	101.1
BENYON 293-74	84	14503	2.0	12.8016	0.7	2.1473	2.4	0.1994	2.3	0.96	1171.9	24.3	1164.2	16.4	1149.8	13.1	1149.8	13.1	101.9
BENYON 293-59	174	124391	3.5	12.7449	1.5	2.1506	1.9	0.1988	1.2	0.61	1168.8	12.5	1165.3	13.3	1158.6	30.2	1158.6	30.2	100.9
BENYON 293-96	258	155635	2.8	12.7109	0.8	2.1293	1.5	0.1963	1.3	0.86	1155.4	13.9	1158.4	10.5	1163.9	15.2	1163.9	15.2	99.3
BENYON 293-64	410	182496	3.8	12.6280	1.2	2.2067	6.7	0.2021	6.6	0.98	1186.6	71.6	1183.2	46.9	1176.9	23.4	1176.9	23.4	100.8
BENYON 293-68	598	270461	2.2	12.6056	0.3	2.2260	3.3	0.2547	3.3	0.99	1167.5	60.0	1162.5	33.9	1164.6	6.6	1464.2	6.6	99.9
BENYON 293-13	131	6175	2.3	12.3344	0.6	2.8507	1.2	0.2343	1.0	0.87	1357.2	12.6	1369.0	8.9	1387.4	11.3	1387.4	11.3	97.8
BENYON 293-79	131	64709	0.5	11.9058	0.7	3.0055	2.4	0.2419	2.3	0.95	1396.4	29.0	1409.0	18.4	1428.1	13.8	1428		

BENYON 286-18	120	18024	2.7	13.7901	1.4	1.6916	1.6	0.1692	0.8	0.47	1007.6	7.2	1005.4	10.5	1000.4	29.4	1000.4	29.4	100.7
BENYON 286-40	179	32284	3.6	13.7488	2.0	1.7081	2.2	0.1703	0.9	0.42	1013.9	8.5	1011.6	14.0	1006.5	40.3	1006.5	40.3	100.7
BENYON 286-53	29	49948	1.4	13.7464	8.6	1.8271	9.0	0.1822	2.5	0.28	1078.7	25.3	1055.2	59.0	1006.9	175.0	1006.9	175.0	107.1
BENYON 286-17	184	25903	1.1	13.7233	1.8	1.5995	2.2	0.1592	1.2	0.55	952.4	10.8	970.0	13.8	1010.3	37.4	1010.3	37.4	94.3
BENYON 286-23	83	29201	1.0	13.7084	2.2	1.7330	3.1	0.1723	2.2	0.71	1024.8	21.1	1020.9	20.3	1012.5	45.1	1012.5	45.1	101.2
BENYON 286-63	267	33589	3.0	13.6855	0.6	1.7276	2.2	0.1715	2.1	0.96	1020.2	19.8	1018.8	14.1	1015.9	12.3	1015.9	12.3	100.4
BENYON 286-64	242	88974	3.0	13.6664	1.5	1.7658	3.0	0.1750	2.6	0.86	1039.7	24.9	1033.0	19.5	1018.7	30.7	1018.7	30.7	102.1
BENYON 286-50	199	106235	1.9	13.5614	1.0	1.8151	2.0	0.1785	1.7	0.87	1058.9	16.6	1050.9	12.8	1034.3	19.4	1034.3	19.4	102.4
BENYON 286-36	236	60225	2.1	13.5109	1.3	1.8139	2.1	0.1777	1.6	0.76	1054.7	15.2	1050.5	13.5	1041.8	27.3	1041.8	27.3	101.2
BENYON 286-75	400	54092	4.1	13.4897	0.6	1.8403	1.6	0.1801	1.5	0.93	1067.2	14.8	1060.0	10.7	1045.0	12.1	1045.0	12.1	102.1
BENYON 286-2	171	58395	3.4	13.4638	1.2	1.8311	1.6	0.1788	1.1	0.67	1060.5	10.8	1056.7	10.8	1048.9	24.5	1048.9	24.5	101.1
BENYON 286-27	98	41521	1.9	13.3868	2.8	1.8929	4.4	0.1838	3.5	0.78	1087.6	34.6	1078.6	29.5	1060.5	56.0	1060.5	56.0	102.6
BENYON 286-9	134	51726	2.2	13.3867	1.2	1.9184	2.0	0.1863	1.6	0.80	1101.0	16.3	1087.5	13.5	1060.5	24.6	1060.5	24.6	103.8
BENYON 286-79	301	43833	3.7	13.3723	0.7	1.8355	1.7	0.1780	1.5	0.91	1056.1	15.1	1058.2	11.2	1062.6	14.5	1062.6	14.5	99.4
BENYON 286-11	224	27529	0.9	13.3706	1.7	1.7160	3.8	0.1664	3.4	0.89	992.3	31.0	1014.5	24.3	1062.9	35.1	1062.9	35.1	93.4
BENYON 286-91	398	7224	2.8	13.2708	1.0	1.6139	4.7	0.1553	4.6	0.98	930.8	40.0	975.6	29.5	1077.9	19.1	1077.9	19.1	86.3
BENYON 286-44	294	60069	2.9	13.2211	0.8	1.9975	1.8	0.1915	1.6	0.90	1129.7	16.8	1114.7	12.1	1085.5	15.5	1085.5	15.5	104.1
BENYON 286-63	167	2553	0.9	13.2166	2.0	1.8772	3.6	0.1799	3.0	0.83	1066.6	29.5	1073.1	23.9	1086.1	40.0	1086.1	40.0	98.2
BENYON 286-59	129	24760	2.5	13.1899	1.2	1.9667	2.3	0.1874	1.9	0.86	1107.3	19.6	1104.2	15.2	1098.0	23.3	1098.0	23.3	100.9
BENYON 286-54	17	4252	1.3	13.1182	9.0	1.9144	10.2	0.1821	4.7	0.46	1078.6	47.0	1086.1	68.2	1101.1	181.3	1101.1	181.3	98.0
BENYON 286-84	224	68959	3.7	12.9900	1.2	2.0178	1.8	0.1901	1.3	0.74	1121.9	13.5	1121.5	12.0	1120.7	23.6	1120.7	23.6	100.1
BENYON 286-24	76	39440	2.1	12.8125	3.5	1.2162	4.0	0.2009	1.9	0.49	1180.2	21.0	1168.9	27.7	1148.1	69.1	1148.1	69.1	102.8
BENYON 286-81	98	24185	1.8	12.7842	2.0	2.2272	3.4	0.2065	2.7	0.80	1210.2	29.8	1189.6	23.6	1152.5	39.9	1152.5	39.9	105.0
BENYON 286-14	348	122645	2.6	12.7686	0.6	2.0843	0.9	0.1930	0.7	0.77	1137.7	7.2	1143.6	6.1	1154.9	11.3	1154.9	11.3	98.5
BENYON 286-57	258	23792	2.6	12.7542	1.5	2.2039	2.3	0.2039	1.7	0.76	1196.1	18.7	1182.3	15.8	1157.2	29.3	1157.2	29.3	103.4
BENYON 286-8	149	35734	3.4	12.7422	1.5	2.0980	2.6	0.1939	2.1	0.80	1142.4	21.7	1148.1	17.7	1159.0	30.4	1159.0	30.4	98.6
BENYON 286-5	135	61727	2.3	12.7284	1.7	2.2150	2.2	0.2045	1.4	0.61	1199.4	14.9	1185.8	15.5	1161.2	34.6	1161.2	34.6	103.3
BENYON 286-6	139	64092	1.4	12.4411	1.0	2.2735	1.7	0.2051	1.3	0.78	1202.9	14.0	1204.1	11.6	1206.3	20.5	1206.3	20.5	99.7
BENYON 286-78	304	58547	7.4	12.1522	0.7	2.2447	4.3	0.1978	4.2	0.99	1163.7	44.9	1195.1	30.0	1252.4	12.8	1252.4	12.8	92.9
BENYON 286-76	285	22030	1.8	11.8046	2.1	2.6759	3.7	0.2291	3.0	0.82	1328.9	36.2	1321.8	27.0	1308.9	40.2	1308.9	40.2	101.6
BENYON 286-13	146	64239	1.7	11.7484	1.1	2.6834	2.2	0.2286	1.9	0.87	1327.4	22.9	1323.9	16.1	1318.2	20.5	1318.2	20.5	100.7
BENYON 286-95	263	204090	3.2	11.6104	0.6	2.8143	1.2	0.2370	1.1	0.85	1370.9	13.0	1359.3	9.2	1341.1	12.4	1341.1	12.4	102.2
BENYON 286-35	120	34330	1.5	11.4169	1.2	2.7825	4.9	0.2304	4.7	0.97	1336.6	57.1	1350.9	36.5	1373.5	23.5	1373.5	23.5	97.3
BENYON 286-4	220	14598	1.5	11.3753	1.0	2.8595	1.9	0.2359	1.6	0.84	1365.4	20.1	1371.3	14.6	1380.5	20.1	1380.5	20.1	98.9
BENYON 286-77	67	25161	1.6	11.3707	1.6	2.9383	2.1	0.2423	1.4	0.67	1398.7	17.7	1391.8	16.0	1381.3	30.2	1381.3	30.2	101.3
BENYON 286-93	210	6518	3.7	11.0833	0.7	3.1374	3.3	0.2522	3.2	0.98	1449.8	41.7	1441.9	25.3	1430.3	13.9	1430.3	13.9	101.4
BENYON 286-88	174	65881	1.9	10.9416	1.2	3.1958	2.0	0.2536	1.6	0.79	1457.0	20.3	1456.1	15.2	1454.8	22.7	1454.8	22.7	100.2
BENYON 286-80	282	111805	1.4	10.8556	0.3	2.9961	1.9	0.2359	1.9	0.99	1365.3	22.9	1406.6	14.3	1469.8	5.2	1469.8	5.2	92.9
BENYON 286-72	123	21370	1.2	10.8335	1.2	3.4094	1.8	0.2679	1.3	0.73	1530.1	17.8	1506.6	14.1	1473.7	23.4	1473.7	23.4	103.8
BENYON 286-19	362	188503	2.4	10.7328	0.6	3.5326	1.7	0.2610	1.6	0.94	1494.8	21.4	1493.4	13.4	1491.4	10.9	1491.4	10.9	100.2
BENYON 286-15	84	53231	1.7	10.6052	1.3	3.3730	2.0	0.2605	1.5	0.75	1492.6	20.5	1498.2	16.0	1506.0	25.4	1506.0	25.4	99.1
BENYON 286-58	86	29351	1.0	10.4945	1.9	3.2803	3.2	0.2497	2.6	0.81	1436.8	33.3	1476.4	24.9	1533.7	35.5	1533.7	35.5	93.7
BENYON 286-1	39	15465	0.8	9.9902	3.4	4.1051	4.8	0.2974	3.4	0.70	1678.6	49.7	1655.3	39.3	1625.9	64.1	1625.9	64.1	103.2
BENYON 286-66	153	46992	2.7	9.0332	0.3	4.9352	1.1	0.3233	1.1	0.95	1806.0	16.6	1808.3	9.3	1811.0	6.2	1811.0	6.2	99.7
BENYON 286-67	185	63475	2.4	8.9933	0.5	5.2452	1.6	0.3421	1.5	0.95	1896.9	24.5	1860.0	13.3	1819.0	8.4	1819.0	8.4	104.3
BENYON 286-39	154	30946	29.0	8.9407	0.4	5.1231	1.1	0.3322	1.0	0.91	1849.0	15.9	1839.9	9.2	1829.6	7.9	1829.6	7.9	101.1
BENYON 286-90	70	50186	1.0	8.7321	1.0	5.6596	1.4	0.3584	3.9	0.86	1974.7	18.1	1925.2	12.3	1872.3	17.2	1872.3	17.2	105.5
BENYON 286-74	166	8501	1.1	6.2193	0.4	11.5146	2.9	0.5206	2.8	0.99	2701.7	62.5	2568.0	26.8	2464.0	7.1	2464.0	7.1	109.6
BENYON 286-45	390	37142	1.7	6.0301	0.5	10.0546	3.9	0.4397	3.9	0.99	2349.4	75.9	2439.8	35.9	2516.0	8.6	2516.0	8.6	93.4
BENYON 286-37	142	32432	0.6	5.7207	0.6	12.4094	3.1	0.5149	3.0	0.98	2677.4	66.4	2635.9	29.1	2604.2	10.5	2604.2	10.5	102.8

4. Location: 1AB/06-34-084-07W/4/0

Analysis	U	206Pb	U/Th	206Pb*	±	207Pb*	±	235U*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	235U*	±	206Pb*	±	Best age	±	Conc.
	(ppm)	204Pb		207Pb*	(%)		(%)	238U	(%)	corr.	(%)	(Ma)	(Ma)	207Pb*	(Ma)	207Pb*							

BENYON 269 21	198	137822	2.2	10.7983	0.7	3.3306	1.8	0.2608	1.7	0.92	1494.1	22.6	1488.3	14.4	1479.9	13.7	1479.9	13.7	101.0
BENYON 269 9	149	8947	0.9	10.5463	2.0	3.3978	3.0	0.2599	2.2	0.75	1489.3	29.7	1503.9	23.5	1524.5	37.7	1524.5	37.7	97.7
BENYON 269 19	242	179328	2.9	10.5194	0.6	3.5199	1.4	0.2685	1.3	0.92	1533.4	17.8	1531.7	11.2	1529.3	10.4	1529.3	10.4	100.3
BENYON 269 11	289	249024	1.2	10.4260	0.6	3.6170	1.5	0.2735	1.4	0.93	1558.6	19.1	1553.3	11.8	1546.1	10.6	1546.1	10.6	100.8
BENYON 269 105	687	6743	0.8	10.1133	0.5	2.9132	2.8	0.2137	2.7	0.98	1248.4	31.0	1385.3	21.1	1603.1	10.2	1603.1	10.2	77.9
BENYON 269 33	131	72893	3.1	10.0284	0.6	4.1231	1.4	0.2999	1.2	0.90	1690.8	18.5	1658.9	11.3	1618.8	10.9	1618.8	10.9	104.4
BENYON 269 56	215	209592	1.3	9.2129	0.8	4.7072	1.7	0.3145	1.6	0.90	1763.0	24.3	1768.5	14.7	1775.1	13.8	1775.1	13.8	99.3
BENYON 269 101	44	19182	0.8	9.1553	1.2	4.9195	1.7	0.3267	1.3	0.73	1822.2	20.1	1805.6	14.7	1786.5	21.9	1786.5	21.9	102.0
BENYON 269 74	316	391674	1.9	9.0621	0.2	5.0301	1.4	0.3306	1.4	0.99	1841.3	22.9	1824.4	12.3	1805.2	4.4	1805.2	4.4	102.0
BENYON 269 78	188	110299	2.4	9.0304	0.5	5.0948	2.2	0.3337	2.2	0.98	1856.2	34.9	1835.2	18.8	1811.5	8.8	1811.5	8.8	102.5
BENYON 269 43	129	2394	0.3	8.9381	1.9	4.1243	4.0	0.2674	3.5	0.88	1527.4	47.6	1659.1	32.5	1830.2	34.0	1830.2	34.0	83.5
BENYON 269 100	66	45827	3.3	8.7043	1.0	5.4742	1.2	0.3456	0.8	0.63	1913.5	12.9	1896.6	10.7	1878.1	17.5	1878.1	17.5	101.9
BENYON 269 20	177	53100	2.6	8.6120	0.6	5.6614	1.4	0.3536	1.3	0.91	1951.8	21.8	1925.5	12.3	1897.3	10.7	1897.3	10.7	102.9
BENYON 269 25	176	154419	2.7	8.6081	0.4	5.5852	1.4	0.3487	1.4	0.95	1928.4	22.9	1913.8	12.4	1898.1	7.8	1898.1	7.8	101.6
BENYON 269 46	526	4662	1.6	8.3061	0.6	5.7969	1.6	0.3601	1.4	0.93	1982.5	24.5	1972.5	13.5	1962.0	10.5	1962.0	10.5	101.0
BENYON 269 60	185	6070	2.7	8.1219	0.6	5.9778	1.4	0.3521	1.3	0.92	1944.7	22.2	1972.6	12.5	2002.0	9.9	2002.0	9.9	97.1
BENYON 269 23	60	41286	1.0	7.6327	1.1	7.0635	1.6	0.3910	1.1	0.72	2127.6	20.3	2119.5	13.8	2111.6	18.9	2111.6	18.9	100.8
BENYON 269 77	209	143742	1.7	7.2308	0.2	8.0390	2.5	0.4216	2.4	1.00	2267.7	46.8	2235.4	22.2	2206.0	3.9	2206.0	3.9	102.8
BENYON 269 94	250	7404	1.5	6.4754	4.4	10.1814	9.1	0.4782	8.0	0.87	2519.2	165.9	2451.4	84.4	2395.6	75.5	2395.6	75.5	105.2
BENYON 269 5	710	235085	8.1	6.0667	1.2	11.1013	1.6	0.4885	1.0	0.62	2564.0	20.6	2531.7	14.6	2505.8	20.7	2505.8	20.7	102.3
BENYON 269 6	122	175932	2.3	5.8832	0.5	11.5802	2.0	0.4941	1.9	0.97	2588.5	41.1	2571.1	18.6	2557.4	8.5	2557.4	8.5	101.2
BENYON 269 48	161	123247	1.9	5.8620	0.2	11.7089	1.5	0.4978	1.5	0.99	2604.0	32.0	2581.4	14.1	2563.4	2.8	2563.4	2.8	101.6
BENYON 269 50	55	61914	1.2	5.8299	0.7	11.7491	1.5	0.4968	1.3	0.88	2600.0	27.5	2584.6	13.6	2572.6	11.4	2572.6	11.4	101.1
BENYON 269 2	80	59682	0.6	5.7790	1.0	11.5370	1.4	0.4835	1.0	0.71	2542.7	21.3	2567.6	13.4	2587.3	16.9	2587.3	16.9	98.3
BENYON 269 7	56	98158	0.7	5.4873	0.6	13.7317	2.9	0.5465	2.8	0.98	2810.6	64.0	2731.4	27.2	2673.3	10.2	2673.3	10.2	105.1
BENYON 269 97	125	146526	2.5	5.4183	0.2	13.4810	1.8	0.5298	1.8	0.99	2740.5	39.7	2714.0	16.9	2694.3	3.6	2694.3	3.6	101.7
BENYON 269 76	120	48760	1.7	5.4140	0.4	11.5872	16.6	0.4550	1.6	1.00	2417.4	335.2	2571.6	156.6	2695.6	6.0	2695.6	6.0	89.7
BENYON 269 10	43	15127	1.1	5.4120	1.5	13.2912	2.1	0.5217	1.4	0.69	2706.4	32.0	2700.6	19.7	2696.2	24.9	2696.2	24.9	100.4
BENYON 269 13	71	57181	1.2	5.3237	0.5	13.5805	1.4	0.5244	1.3	0.93	2717.6	28.1	2720.9	12.9	2723.3	8.2	2723.3	8.2	99.8
BENYON 269 26	58	55003	1.7	5.3150	0.5	13.9220	1.0	0.5367	0.8	0.84	2769.5	18.5	2744.4	9.2	2726.0	8.6	2726.0	8.6	101.6
BENYON 269 27	213	498705	1.1	5.2812	0.3	13.4577	1.2	0.5155	1.2	0.98	2679.9	25.7	2712.3	11.4	2736.5	4.3	2736.5	4.3	97.9

5. Location: 1AA/06-18-085-06W4/0

Analysis	U	206Pb	U/Th	206Pb*	±	207Pb*	±	235U*	%	206Pb*	±	238U	%	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
	(ppm)	(204Pb)		(207Pb*)	(%)		(%)		(%)		(%)		(%)	corr.	(238U*)	(Ma)	(207Pb*)	(Ma)	(206Pb*)	(Ma)	(Ma)	(Ma)	(%)
BENYON 250-30	498	21745	1.2	21.160	5.9	0.1264	6.3	0.0198	2.0	0.32	126.5	2.5	120.8	7.1	11.3	143.0	126.5	2.5	126.5	2.5	NA		
BENYON 250-60	686	30087	1.8	20.3239	2.7	0.1665	3.2	0.0244	1.7	0.54	155.6	2.7	156.4	4.7	168.0	63.6	155.6	2.7	NA				
BENYON 250-35	256	2191	1.0	20.3174	12.4	0.1672	13.1	0.0246	4.2	0.32	156.9	6.5	157.0	19.0	158.3	290.8	156.9	6.5	NA				
BENYON 250-105	611	32417	4.4	19.9420	5.4	0.1819	5.8	0.0263	2.1	0.37	167.4	3.5	169.7	9.0	201.8	124.5	167.4	3.5	NA				
BENYON 250-42	65	11013	0.6	20.7374	11.2	0.3199	11.6	0.0481	3.0	0.26	302.9	8.8	281.8	28.5	110.2	264.4	302.9	8.8	NA				
BENYON 250-90	169	21363	0.9	19.2316	4.8	0.3782	5.0	0.0527	1.4	0.28	331.4	4.6	325.7	14.1	285.3	110.7	331.4	4.6	NA				
BENYON 250-94	140	26560	0.8	18.8396	5.1	0.3970	5.7	0.0528	2.4	0.42	331.8	7.8	339.5	16.4	392.9	115.4	331.8	7.8	NA				
BENYON 250-58	256	33879	5.2	18.2354	4.1	0.4504	6.0	0.0596	4.3	0.73	373.0	15.7	377.6	18.8	405.6	91.7	373.0	15.7	NA				
BENYON 250-57	199	37566	1.3	18.6559	3.5	0.4492	5.3	0.0608	3.6	0.68	380.3	13.4	376.7	16.7	354.4	87.4	380.3	13.4	NA				
BENYON 250-12	195	27270	0.6	19.2367	7.1	0.4470	7.2	0.0624	1.3	0.18	390.0	4.9	375.2	22.7	284.7	162.6	390.0	4.9	NA				
BENYON 250-79	212	18881	3.2	18.6693	3.7	0.4680	4.3	0.0634	2.3	0.52	396.1	8.8	389.8	14.1	352.8	83.7	396.1	8.8	NA				
BENYON 250-64	347	48285	4.2	18.5473	3.2	0.0644	2.9	0.91	402.3	11.2	397.2	10.4	367.5	29.8	402.3	11.2	109.5						
BENYON 250-54	427	115663	1.1	18.1730	2.7	0.5015	2.5	0.0661	1.8	0.73	412.6	7.2	412.7	8.4	413.3	37.9	412.6	7.2	99.8				
BENYON 250-88	249	19990	2.5	18.0587	2.5	0.5050	2.9	0.0661	1.4	0.48	412.8	5.5	415.1	9.8	427.4	56.5	412.8	5.5	96.6				
BENYON 250-41	212	36065	4.2	18.2972	2.4	0.5022	3.1	0.0666	2.0	0.65	415.9	8.2	413.2	10.6	398.0	53.2	415.9	8.2	104.5				
BENYON 250-21	164	177599	4.3	18.6396	4.3	0.4936	4.5	0.0667	1.4	0.30	416.4	5.5	407.3	15.3	356.3	97.9	416.4	5.5	116.8				
BENYON 250-52	239	29361	6.9	18.4370	3.6	0.5046	4.2	0.0675	2.1	0.51	420.9	7.9	415.6	12.1	516.1	59.9	444.6	7.9	86.1				
BENYON 250-50	65	32347	1.2	18.0252	1.1	0.5323	3.9	0.0685	3.7	0.96	426.9	15.5	433.2	13.8	467.1	24.8	426.9	15.5	91.4				
BENYON 250-22	64	8118	0.9	18.9550	12.4</td																		

BENYON 250-91	168	297517	2.3	9.6200	0.5	4.4877	2.8	0.3131	2.7	0.98	1756.0	42.0	1728.7	23.1	1695.8	9.0	1695.8	9.0	103.6
BENYON 250-104	104	35128	2.5	9.5267	0.9	4.1057	3.0	0.2837	2.9	0.95	1609.9	40.7	1655.4	24.5	1713.7	17.0	1713.7	17.0	93.0
BENYON 250-43	68	62692	1.7	9.3028	1.5	4.6915	2.8	0.3165	2.4	0.84	1772.8	36.7	1765.7	23.7	1757.3	28.2	1757.3	28.2	100.9
BENYON 250-51	234	102777	0.8	8.9468	0.5	5.0808	2.2	0.3297	2.2	0.98	1836.9	34.9	1832.9	19.0	1828.4	8.7	1828.4	8.7	100.5
BENYON 250-10	288	2798	5.3	8.8981	1.3	4.6541	2.1	0.3003	1.7	0.78	1693.0	24.7	1759.0	17.9	1838.3	24.4	1838.3	24.4	92.1
BENYON 250-48	155	18109	0.9	8.7903	0.7	5.3489	7.2	0.3410	7.1	1.00	1891.5	117.0	1876.7	61.4	1860.3	12.3	1860.3	12.3	101.7
BENYON 250-44	242	9329	1.9	8.5017	0.8	5.0500	3.5	0.3114	3.4	0.97	1747.5	51.7	1827.7	29.4	1920.4	14.3	1920.4	14.3	91.0
BENYON 250-31	96	73213	0.4	5.3894	0.3	13.4534	0.9	0.5259	0.9	0.95	2724.0	19.4	2712.0	8.6	2703.1	4.5	2703.1	4.5	100.8
BENYON 250-67	64	65721	1.3	5.3473	0.3	13.7940	3.3	0.5350	3.3	1.00	2762.3	73.3	2735.7	31.0	2716.0	4.6	2716.0	4.6	101.7
BENYON 250-37	59	47296	2.8	5.2362	0.4	14.1731	1.4	0.5382	1.4	0.96	2776.1	31.1	2761.4	13.6	2750.6	6.8	2750.6	6.8	100.9
BENYON 250-16	261	442981	3.3	4.7889	0.6	16.5979	1.8	0.5765	1.7	0.94	2934.4	39.5	2911.9	17.1	2896.4	9.9	2896.4	9.9	101.3
BENYON 250-29	106	97673	1.0	4.5624	0.2	17.1812	5.4	0.5685	5.4	1.00	2901.8	126.9	2945.0	52.2	2974.7	3.6	2974.7	3.6	97.5
BENYON 250-102	101	97394	1.6	3.9578	0.3	22.2950	1.8	0.6400	1.8	0.98	3188.9	44.2	3196.7	17.3	3201.6	5.0	3201.6	5.0	99.6

6. Location: 1AA/06-18-085-06W4/0

Analysis	U (ppm)	206Pb 204Pb	U/Th	206Pb* 207Pb*	± (%)	207Pb* 235U*	± (%)	206Pb* 238U	± (%)	error corr.	206Pb* 238U*	± (Ma)	207Pb* 235U	± (Ma)	206Pb* 207Pb*	± (Ma)	Best age (Ma)	± (Ma)	Conc (%)
BENYON 190 27	437	33255	1.3	19.6300	3.2	0.2747	4.4	0.0391	3.0	0.68	247.3	7.3	246.4	9.7	238.1	74.7	247.3	7.3	NA
BENYON 190 29	55	4277	1.1	19.8653	23.1	0.3642	23.3	0.0525	3.1	0.13	329.7	9.9	315.4	63.2	210.7	540.9	329.7	9.9	NA
BENYON 190 55	55	9330	1.8	21.4192	25.6	0.3657	26.0	0.0568	4.2	0.16	356.2	14.5	316.4	70.7	33.2	622.7	356.2	14.5	NA
BENYON 190 67	434	30172	12.7	18.5812	2.9	0.4273	3.0	0.0576	1.0	0.32	360.9	3.4	361.3	9.2	363.4	64.7	360.9	3.4	NA
BENYON 190 5	103	15916	1.0	19.5255	13.7	0.4117	13.8	0.0583	1.9	0.14	365.3	6.8	350.1	40.8	250.5	315.4	365.3	6.8	NA
BENYON 190 35	194	34815	1.3	17.6757	5.3	0.5243	5.6	0.0672	1.8	0.32	419.2	7.1	427.9	19.4	475.0	116.7	419.2	7.1	88.2
BENYON 190 96	164	37077	1.0	17.9804	2.9	0.5306	3.2	0.0692	1.4	0.45	431.3	6.0	432.2	11.3	437.1	63.9	431.3	6.0	98.7
BENYON 190 9	214	12988	3.8	16.6702	6.9	0.5671	7.4	0.0698	2.6	0.35	434.9	10.9	456.1	27.1	564.4	150.4	434.9	10.9	77.1
BENYON 190 28	172	31347	2.0	17.6838	3.5	0.5639	3.7	0.0723	1.2	0.33	450.2	5.3	454.1	13.5	474.0	76.9	450.2	5.3	95.0
BENYON 190 8	424	84348	1.5	17.7900	0.8	0.5669	1.4	0.0731	1.1	0.80	455.1	4.9	456.0	5.1	460.7	18.6	455.1	4.9	98.8
BENYON 190 58	294	48476	1.0	18.5437	4.0	0.5477	4.1	0.0737	0.7	0.17	458.2	3.1	443.5	14.7	368.0	90.5	458.2	3.1	124.5
BENYON 190 97	178	33384	1.8	17.4897	4.3	0.6029	4.7	0.0765	1.7	0.37	475.1	7.8	479.1	17.8	498.3	95.5	475.1	7.8	95.3
BENYON 190 98	290	29572	4.0	15.1794	4.6	0.7133	6.4	0.0785	4.5	0.70	487.3	21.0	546.7	27.1	802.5	96.2	487.3	21.0	60.7
BENYON 190 102	254	90901	1.8	16.8367	2.6	0.7399	2.8	0.0903	1.2	0.41	557.6	6.2	562.3	12.1	581.5	55.6	557.6	6.2	95.9
BENYON 190 37	51	19611	2.6	14.2845	4.1	1.5676	4.9	0.1624	2.8	0.56	970.1	25.0	957.5	30.6	928.5	83.9	928.5	83.9	104.5
BENYON 190 65	118	42559	2.2	13.8540	1.1	1.6560	1.5	0.1664	1.0	0.65	992.2	8.8	991.8	9.4	991.1	23.0	991.1	23.0	100.1
BENYON 190 77	171	37017	3.2	13.8826	1.4	1.6824	2.2	0.1487	1.7	0.78	893.4	14.5	923.2	13.5	995.1	28.1	995.1	28.1	89.8
BENYON 190 70	72	12405	3.2	13.8000	3.5	1.6192	3.8	0.1621	1.4	0.38	968.2	12.8	977.7	23.8	999.0	71.4	999.0	71.4	96.9
BENYON 190 47	246	77645	3.7	13.7692	1.4	1.6559	1.9	0.1654	1.3	0.67	986.5	11.8	991.8	12.2	1003.5	29.1	1003.5	29.1	98.3
BENYON 190 23	365	177908	4.5	13.7690	0.5	1.6881	1.9	0.1686	1.8	0.96	1004.3	17.1	1004.0	12.1	1003.5	10.2	1003.5	10.2	100.1
BENYON 190 12	561	283813	7.3	13.7414	0.5	1.7361	1.3	0.1730	1.2	0.93	1028.8	11.7	1022.0	8.5	1007.6	9.9	1007.6	9.9	102.1
BENYON 190 87	195	145676	3.1	13.6991	0.9	1.7631	1.6	0.1752	1.4	0.85	1040.6	13.4	1032.0	10.7	1013.9	17.6	1013.9	17.6	102.6
BENYON 190 57	137	60494	4.8	13.6973	1.2	1.7062	2.0	0.1695	1.6	0.80	1009.3	14.8	1010.8	12.8	1014.1	24.4	1014.1	24.4	99.5
BENYON 190 69	200	138826	3.1	13.6795	0.7	1.7243	1.2	0.1710	0.9	0.79	1017.9	8.6	1017.5	7.5	1016.8	14.6	1016.8	14.6	100.1
BENYON 190 50	387	107576	2.6	13.6691	0.7	1.7185	1.4	0.1704	1.2	0.85	1014.1	11.0	1015.5	8.8	1018.3	14.6	1018.3	14.6	99.6
BENYON 190 105	177	167311	3.0	13.6566	2.2	1.6664	2.8	0.1651	1.7	0.62	984.8	15.7	995.8	17.8	1020.2	44.6	1020.2	44.6	96.5
BENYON 190 2	315	278732	16.8	13.6292	0.9	1.7229	2.4	0.1703	2.3	0.93	1013.8	21.2	1017.1	15.6	1024.2	18.0	1024.2	18.0	99.0
BENYON 190 21	343	185742	3.6	13.6199	1.0	1.8070	1.9	0.1785	1.6	0.85	1058.8	16.1	1040.8	12.7	1025.6	20.6	1025.6	20.6	103.2
BENYON 190 3	137	50054	2.5	13.6096	2.6	1.7896	2.8	0.1766	1.1	0.81	1048.6	10.8	1041.7	18.3	1027.1	52.2	1027.1	52.2	102.1
BENYON 190 25	122	45262	1.1	12.7818	1.8	2.1387	2.0	0.1983	0.9	0.45	1166.0	9.7	1161.4	14.0	1152.9	35.8	1152.9	35.8	101.1
BENYON 190 11	211	70987	2.5	12.7688	1.2	2.1111	4.7	0.1955	4.6	0.97	1151.1	48.3	1152.4	32.6	1154.9	23.0	1154.9	23.0	99.7
BENYON 190 64	202	75525	2.1	12.7504	1.2	2.0867	3.0	0.1930	2.8	0.92	1137.4	29.2	1144.5	20.8	1157.7	23.2	1157.7	23.2	98.2
BENYON 190 54	558	256637	2.0	12.7466	0.2	2.1521	0.7	0.1990	0.7	0.96	1169.7	7.1	1165.7	4.8	1158.3	3.9	1158.3	3.9	101.0
BENYON 190 17	713	244286	2.4	12.6939	0.3	2.2347	1.1	0.2057	1.0	0.96	1206.1	11.3	1192.0	7.5	1166.5	6.2	1166.5	6.2	103.4
BENYON 190 45	63	41664	2.1	12.6811	3.0	2.1343	4.2	0.1963	2.9	0.70	1155.4	31.0	1160.0	29.0	1168.5	59.4	1168.5	59.4	98.9
BENYON 190 10	310	40302	1.9	12.6765	0.8	1.9763	5.2	0.1817	5.2	0.99	1076.3	51.1	1107.5	35.1	1169.3	15.1</			

7. Location: 1AB/06-34-084-07W 4/0

Analysis	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*	(Ma)	235U	(Ma)	207Pb*	(Ma)	(Ma)	(Ma)	(%)
BENYON 247-21	844	44309	1.7	20.5332	3.9	0.1221	4.3	0.0182	1.8	0.42	116.2	2.1	117.0	4.7	133.5	90.6	116.2	2.1	NA
BENYON 247-90	614	58470	1.8	18.5386	1.7	0.4423	2.1	0.0595	1.2	0.56	372.4	4.2	371.9	6.5	368.6	39.2	372.4	4.2	NA
BENYON 247-10	387	22656	2.2	18.5368	2.3	0.4448	2.9	0.0598	1.9	0.64	374.4	6.8	373.6	9.2	368.8	51.1	374.4	6.8	NA
BENYON 247-55	203	41219	2.2	18.1946	3.7	0.4941	4.6	0.0652	2.7	0.59	407.2	10.6	407.7	15.3	410.6	82.2	407.2	10.6	99.2
BENYON 247-65	156	20583	1.5	19.0654	5.9	0.4906	6.4	0.0678	2.4	0.38	423.1	10.0	405.3	21.4	305.1	135.1	423.1	10.0	138.7
BENYON 247-1	319	44801	1.3	18.0688	2.0	0.5283	2.4	0.0692	1.4	0.58	431.5	5.9	430.7	8.6	426.1	44.5	431.5	5.9	101.3
BENYON 247-2	298	34032	1.2	16.9040	3.1	0.7237	4.0	0.0887	2.5	0.63	548.0	13.2	552.8	17.0	572.9	67.5	548.0	13.2	95.7
BENYON 247-48	169	30072	1.8	16.5579	3.9	0.8068	4.3	0.0569	1.9	0.43	596.1	10.6	600.7	19.7	617.7	84.8	596.1	10.6	96.5
BENYON 247-37	215	10746	0.7	16.0531	3.7	0.8923	6.5	0.1039	5.3	0.81	637.1	31.9	647.6	30.9	684.2	80.0	637.1	31.9	93.1
BENYON 247-58	185	32167	1.5	16.1928	1.7	0.9179	3.4	0.1078	3.0	0.87	659.9	18.8	661.2	16.7	665.7	35.7	659.9	18.8	99.1
BENYON 247-19	39	33553	1.7	14.3010	7.6	1.5672	7.9	0.1626	2.2	0.27	970.9	19.6	957.3	49.2	926.1	156.9	926.1	156.9	104.8
BENYON 247-7	220	78691	0.9	14.0683	1.7	1.4005	7.9	0.1429	7.7	0.98	861.0	62.3	889.2	46.9	959.8	34.8	959.8	34.8	89.7
BENYON 247-76	68	21247	1.9	13.9644	3.4	1.5492	3.7	0.1569	1.4	0.37	939.6	11.9	950.2	22.6	974.9	69.4	974.9	69.4	96.4
BENYON 247-63	143	44955	4.9	13.8861	2.0	1.7179	2.9	0.1727	2.1	0.72	1026.9	19.8	1015.2	18.5	990.2	40.5	990.2	40.5	103.7
BENYON 247-14	26	6360	1.3	13.8601	8.7	1.6730	9.5	0.1682	3.8	0.40	1002.1	35.4	998.3	60.7	990.2	178.2	990.2	178.2	101.2
BENYON 247-91	55	7765	2.3	13.7852	3.8	1.7609	4.8	0.1760	2.9	0.62	1045.4	28.4	1031.2	30.9	1001.2	76.2	1001.2	76.2	104.4
BENYON 247-20	83	27262	1.5	13.7605	3.1	1.7334	3.4	0.1730	1.5	0.43	1028.6	13.9	1021.0	22.0	1004.8	62.5	1004.8	62.5	102.4
BENYON 247-93	54	26748	2.4	13.7574	4.2	1.7056	4.7	0.1702	2.0	0.43	1013.1	18.8	1010.6	30.0	1005.3	86.0	1005.3	86.0	100.8
BENYON 247-24	188	123752	2.7	13.7466	0.9	1.7089	1.4	0.1704	1.1	0.78	1014.2	10.2	1011.9	9.0	1006.9	17.8	1006.9	17.8	100.7
BENYON 247-94	225	58276	2.8	13.7010	1.3	1.7232	1.6	0.1712	0.9	0.57	1018.9	8.6	1017.2	10.3	1013.6	26.7	1013.6	26.7	100.5
BENYON 247-62	40	11951	1.3	13.6911	2.8	1.7099	4.1	0.1698	3.0	0.73	1010.9	27.7	1012.2	26.0	1015.0	56.3	1015.0	56.3	99.6
BENYON 247-56	65	17222	1.6	13.6098	4.0	1.8674	4.2	0.1843	1.3	0.30	1090.5	12.6	1069.6	28.0	1027.1	81.7	1027.1	81.7	106.2
BENYON 247-59	133	17703	4.1	13.5894	1.1	1.7341	1.4	0.1709	0.9	0.60	1017.1	8.2	1021.3	9.3	1030.2	23.2	1030.2	23.2	98.7
BENYON 247-8	47	15204	2.3	13.5575	3.4	1.8797	3.7	0.1848	1.6	0.43	1093.3	16.2	1074.0	24.7	1034.9	68.0	1034.9	68.0	105.6
BENYON 247-5	173	55672	1.3	13.5362	1.6	1.8326	1.9	0.1799	1.1	0.57	1066.5	10.9	1057.2	12.7	1038.1	32.1	1038.1	32.1	102.7
BENYON 247-39	160	59639	3.0	13.5307	1.0	1.7875	3.2	0.1754	3.0	0.95	1041.9	29.0	1040.9	20.7	1038.9	20.1	1038.9	20.1	100.3
BENYON 247-28	264	92427	1.7	13.5093	1.1	1.7691	1.5	0.1733	1.1	0.71	1030.5	10.4	1034.2	9.9	1042.1	21.8	1042.1	21.8	98.9
BENYON 247-38	132	30084	2.8	13.4857	1.1	1.7698	4.1	0.1731	4.0	0.97	1029.2	37.7	1034.5	26.6	1045.7	21.5	1045.7	21.5	98.4
BENYON 247-50	86	43759	2.1	13.4789	3.0	1.8238	4.9	0.1783	3.9	0.79	1057.7	37.7	1054.1	32.0	1046.7	59.9	1046.7	59.9	101.1
BENYON 247-22	32	20840	1.4	13.4125	5.0	1.9731	8.9	0.1919	7.4	0.83	1131.9	76.9	1106.4	60.4	1056.6	101.2	1056.6	101.2	107.1
BENYON 247-101	98	16605	2.1	13.3805	1.5	1.8719	1.9	0.1817	1.3	0.65	1076.0	12.5	1071.2	12.8	1061.4	29.4	1061.4	29.4	101.4
BENYON 247-46	192	70453	1.3	13.3614	1.0	1.8424	1.6	0.1785	1.2	0.77	1050.9	12.2	1060.7	10.6	1064.3	20.6	1064.3	20.6	99.5
BENYON 247-100	48	12965	1.1	13.3391	6.7	1.9093	6.9	0.1847	1.7	0.24	1092.7	17.0	1084.3	46.1	1067.6	134.7	1067.6	134.7	102.3
BENYON 247-17	107	44325	4.5	13.3082	1.6	1.8672	1.9	0.1802	1.1	0.55	1068.2	10.5	1069.5	12.8	1072.3	32.3	1072.3	32.3	99.6
BENYON 247-47	267	112651	1.6	13.2823	0.9	1.9794	1.6	0.1907	1.3	0.82	1125.1	13.8	1108.5	11.0	1076.2	18.7	1076.2	18.7	104.5
BENYON 247-32	50	6964	3.2	13.2388	4.6	1.8983	5.1	0.1823	2.1	0.41	1079.4	20.7	1080.5	33.8	1082.8	93.1	1082.8	93.1	99.7
BENYON 247-6	239	59792	1.0	13.2186	0.7	1.8992	1.2	0.1821	1.0	0.81	1078.3	9.5	1080.8	7.8	1085.8	13.7	1085.8	13.7	99.3
BENYON 247-84	98	3755	2.4	13.1177	2.9	1.9481	3.2	0.1853	1.3	0.39	1096.1	12.6	1097.8	21.3	1101.2	58.4	1101.2	58.4	99.5
BENYON 247-64	105	38918	2.5	12.8324	1.5	2.0643	2.9	0.1921	2.5	0.86	1132.9	25.7	1137.0	19.7	1145.1	29.3	1145.1	29.3	98.0
BENYON 247-42	166	67648	3.2	12.7799	1.1	2.0641	3.7	0.1913	3.5	0.95	1128.5	36.8	1137.0	25.5	1153.1	22.6	1153.1	22.6	97.9
BENYON 247-96	177	67890	3.2	12.7167	1.0	2.0799	4.1	0.1935	4.0	0.97	1140.2	41.7	1148.1	28.2	1163.0	19.3	1163.0	19.3	98.0
BENYON 247-35	31	14871	2.0	12.6676	8.0	2.1178	8.2	0.1946	1.4	0.17	1146.1	14.9	1154.6	56.3	1170.7	159.2	1170.7	159.2	97.9
BENYON 247-82	125	40173	2.8	12.6203	1.2	2.3452	2.3	0.2147	1.9	0.86	1253.6	22.2	1261.1	16.1	1178.1	23.0	1178.1	23.0	106.4
BENYON 247-71	89	35784	3.0	12.5920	2.9	2.1403	4.0	0.1955	2.7	0.68	1150.9	28.8	1161.9	27.8	1182.5	58.2	1182.5	58.2	97.3
BENYON 247-34	36	12210	1.6	12.1583	3.9	2.2499	4.5	0.1984	2.1	0.47	1166.7	22.6	1196.8	31.3	1251.5	76.7	1251.5	76.7	93.2
BENYON 247-81	131	24879	1.7	11.8962	1.6	2.5635	2.4	0.2212	1.8	0.74	1288.1	20.9	1290.3	17.6	1293.9	31.4	1293.9	31.4	99.5
BENYON 247-49	90	40313	2.3	11.4230	1.8	2.9615	3.0	0.2454	2.4	0.80	1414.5	30.1	1397.8	22.5	1372.5	34.4	1372.5	34.4	103.1
BENYON 247-4	172	71587	1.8	11.2722	0.7	3.0535	2.8	0.2496	2.7	0.97	1436.6	34.8	1421.1	21.3	1398.0	13.3	1398.0	13.3	102.8
BENYON 247-26	106	34358	2.5	10.8988	1.1	3.3304	2.4	0.2633	2.2	0.90	1506.6	29.6	1488.2	36.3	1686.6	36.3	1686.6	36.3	103.0
BENYON 247-41	68	40324	1.8	10.5239	1.2	3.3345	1.0	0.2840	1.8	0.80	1860.0	15.5	1859.1	10.2	1858.1	13.0	1858.1	13.0	100.1
BENYON 247-69	44	21556	0.7	8.7918	1.4	5.2663	1.7	0.3358	1.0	0.58	1866.4	16.3	1863.4	14.9	1860.0	25.7	1860.0	25.7	100.3
BENYON 247-23	92	21414	2.5	8.7811	0.7	5.3047	1.4	0.3378	1.2	0.86	1876.3	20.0	1869.6	12.2	1862.2	13.1	1862.2	13.1	100.8
BENYON 247-67	88	50368	2.6	8.7731	0.9	5.2938	1.5	0.3368	1.2	0.81	1871.4	20.2	1867.9						

BENYON 316-52	284	32476	1.5	201402	5.8	0.2467	6.2	0.0360	2.1	0.34	228.2	4.7	223.9	12.5	178.7	136.0	228.2	4.7	NA
BENYON 316-38	206	52234	1.6	19.4733	6.3	0.2595	6.5	0.0367	1.8	0.28	232.1	4.2	234.3	13.7	256.7	144.1	232.1	4.2	NA
BENYON 316-21	232	26963	1.1	19.5842	2.9	0.2655	4.0	0.0377	2.8	0.70	238.6	6.6	239.1	8.6	243.6	66.6	238.6	6.6	NA
BENYON 316-57	273	26512	1.5	19.9842	6.5	0.2646	6.7	0.0384	1.9	0.28	242.6	4.5	238.4	14.3	196.8	150.3	242.6	4.5	NA
BENYON 316-62	401	28012	1.9	19.6561	3.7	0.2805	4.2	0.0400	2.0	0.48	252.7	5.0	251.0	9.3	235.2	84.9	252.7	5.0	NA
BENYON 316-5	368	37466	0.7	18.9015	2.6	0.3607	3.1	0.0494	1.7	0.56	311.1	5.2	312.7	8.3	324.7	58.0	311.1	5.2	NA
BENYON 316-51	154	18057	1.1	18.1359	6.4	0.3911	7.0	0.0514	2.7	0.39	323.4	8.6	335.2	20.0	417.9	144.2	323.4	8.6	NA
BENYON 316-94	610	134058	48.5	18.5118	0.9	0.4385	1.5	0.0589	1.2	0.78	368.8	4.2	369.2	4.6	371.8	21.2	368.8	4.2	NA
BENYON 316-98	561	54970	3.4	18.3691	1.2	0.4587	2.1	0.0611	1.8	0.82	382.4	6.5	383.4	6.9	389.2	27.7	382.4	6.5	NA
BENYON 316-27	51	12620	25.2	19.6363	11.7	0.4316	12.1	0.0615	3.1	0.26	384.5	11.7	364.3	37.1	237.5	270.8	384.5	11.7	NA
BENYON 316-65	267	39564	0.8	17.9306	3.1	0.5179	3.7	0.0674	2.0	0.55	420.2	8.3	423.8	12.9	443.2	69.2	420.2	8.3	94.8
BENYON 316-8	212	34189	1.7	17.4411	2.8	0.6162	3.4	0.0779	1.9	0.56	482.8	9.1	487.4	13.3	504.5	62.6	483.8	9.1	95.9
BENYON 316-35	476	88830	6.9	16.6598	1.0	0.7394	8.6	0.0895	8.5	0.99	552.8	45.2	562.0	37.1	599.4	22.5	552.8	45.2	92.2
BENYON 316-89	155	46548	2.2	16.6071	2.3	0.8122	2.8	0.0978	1.6	0.58	601.7	9.2	603.7	12.6	611.3	48.7	601.7	9.2	98.4
BENYON 316-85	185	30244	1.8	16.5205	1.6	0.8989	3.6	0.1077	3.2	0.89	659.4	19.8	651.1	17.1	622.6	35.2	659.4	19.8	105.9
BENYON 316-64	81	18963	3.1	14.3669	4.5	1.3782	5.2	0.1436	2.6	0.49	865.0	20.7	879.7	30.4	916.7	92.2	865.0	20.7	94.4
BENYON 316-44	247	62116	3.1	13.9181	1.1	1.6149	1.6	0.1630	1.2	0.73	973.5	10.9	976.0	10.3	981.7	22.7	981.7	22.7	99.2
BENYON 316-90	135	44982	2.6	13.7022	0.9	1.7037	2.5	0.1693	2.3	0.93	1008.3	21.6	1009.9	15.9	1013.4	18.2	1013.4	18.2	99.5
BENYON 316-60	46	12901	1.8	13.6332	3.5	1.7512	4.2	0.1732	2.3	0.55	1029.5	21.9	1027.6	27.1	1023.6	70.9	1023.6	70.9	100.6
BENYON 316-40	183	115648	3.0	13.5160	1.2	1.7360	1.8	0.1702	1.3	0.74	1013.1	12.6	1022.0	11.8	1041.1	25.1	1041.1	25.1	97.3
BENYON 316-11	239	129337	5.4	13.4481	0.7	1.8166	1.2	0.1772	1.0	0.80	1051.6	9.6	1051.5	8.1	1051.3	15.1	1051.3	15.1	100.0
BENYON 316-13	311	104460	1.9	13.4480	1.1	1.8178	1.6	0.1773	1.2	0.75	1052.2	11.7	1051.9	10.5	1051.3	21.5	1051.3	21.5	100.1
BENYON 316-39	251	82932	1.2	13.3249	0.5	1.8977	1.3	0.1823	1.2	0.93	1079.4	12.3	1080.3	8.8	1082.2	9.4	1082.2	9.4	99.7
BENYON 316-71	97	28867	1.4	13.1200	1.9	1.9428	2.0	0.1849	0.7	0.36	1093.5	7.1	1096.0	13.3	1100.8	37.2	1100.8	37.2	99.3
BENYON 316-19	114	35976	1.3	13.0575	1.8	2.0078	2.4	0.1901	1.7	0.68	1122.1	17.0	1118.1	16.4	1110.4	35.3	1110.4	35.3	101.1
BENYON 316-2	279	92739	5.7	12.9898	0.8	1.9432	2.6	0.1831	2.5	0.95	1083.7	24.7	1096.1	17.5	1120.8	16.4	1120.8	16.4	96.7
BENYON 316-26	161	62340	2.2	12.9772	2.0	2.0067	2.9	0.1889	2.2	0.74	1115.2	22.3	1117.8	19.8	1122.7	38.9	1122.7	38.9	99.3
BENYON 316-8	216	92086	3.7	12.8745	0.9	1.9895	1.4	0.1858	1.1	0.78	1098.4	11.3	1119.9	9.7	1138.5	17.8	1138.5	17.8	96.5
BENYON 316-7	147	71339	3.1	12.8269	1.3	2.0702	1.9	0.1926	1.4	0.71	1135.4	14.1	1139.0	13.1	1145.9	26.8	1145.9	26.8	99.1
BENYON 316-15	126	50988	2.1	12.6761	0.8	2.1496	2.5	0.1976	2.3	0.95	1162.6	24.9	1164.9	17.1	1169.3	15.7	1169.3	15.7	99.4
BENYON 316-102	130	3053	2.4	11.8685	2.8	2.4305	3.5	0.2092	2.1	0.60	1224.6	23.5	1251.7	25.5	1298.5	55.3	1298.5	55.3	94.3
BENYON 316-100	288	108652	1.0	11.7121	0.3	2.6022	1.0	0.2210	1.0	0.96	1287.4	11.6	1301.3	7.6	1324.2	5.8	1324.2	5.8	97.2
BENYON 316-14	155	59290	2.9	11.3236	0.7	2.8730	1.6	0.2360	1.5	0.91	1365.6	17.9	1374.9	12.1	1389.2	12.7	1389.2	12.7	98.3
BENYON 316-25	39	15119	1.1	11.2951	1.8	2.8827	2.0	0.2361	0.7	0.37	1366.6	9.0	1377.4	14.8	1394.1	35.0	1394.1	35.0	98.0
BENYON 316-47	350	135167	3.6	11.0576	0.4	3.0319	0.9	0.2431	0.8	0.88	1403.0	10.0	1415.7	6.9	1434.7	8.0	1434.7	8.0	97.8
BENYON 316-66	447	403777	2.0	11.0219	0.4	3.1230	1.9	0.2496	1.8	0.98	1436.7	23.6	1438.4	14.4	1440.9	6.7	1440.9	6.7	99.7
BENYON 316-72	346	188743	3.1	11.0129	0.3	3.0674	1.2	0.2450	1.1	0.96	1412.6	14.3	1424.6	8.9	1442.4	5.9	1442.4	5.9	97.9
BENYON 316-81	327	245019	1.7	11.0079	0.4	3.1226	2.3	0.2493	2.3	0.98	1438.4	29.3	1438.3	17.8	1443.3	8.3	1443.3	8.3	99.4
BENYON 316-68	132	89904	1.4	10.9871	1.4	3.1450	2.1	0.2506	1.5	0.74	1441.6	19.5	1443.8	15.8	1446.9	26.5	1446.9	26.5	99.6
BENYON 316-77	134	141715	2.0	10.6375	0.6	3.3686	2.0	0.2599	1.9	0.96	1489.3	25.5	1497.1	15.6	1508.2	10.6	1508.2	10.6	98.7
BENYON 316-89	142	103645	4.5	10.1178	1.2	3.5714	2.7	0.2621	2.5	0.90	1500.4	32.9	1543.2	21.7	1602.2	22.4	1602.2	22.4	93.6
BENYON 316-70	46	37130	1.9	9.9210	1.4	3.9341	2.2	0.2831	1.7	0.76	1606.8	23.6	1620.7	17.7	1638.8	26.4	1638.8	26.4	98.0
BENYON 316-88	261	197572	1.2	9.8397	0.4	3.9698	1.0	0.2833	0.9	0.91	1608.0	12.5	1628.0	7.9	1654.1	7.5	1654.1	7.5	97.2
BENYON 316-92	154	56415	1.1	9.8379	0.5	4.0190	1.9	0.2868	1.8	0.96	1625.3	25.6	1638.1	15.1	1654.4	9.9	1654.4	9.9	98.2
BENYON 316-49	357	352824	2.5	9.8359	0.3	3.9393	1.6	0.2849	1.6	0.99	1616.0	22.9	1633.0	13.2	1654.8	4.6	1654.8	4.6	97.7
BENYON 316-56	243	120007	4.5	9.7022	0.4	4.2546	2.2	0.3001	2.2	0.99	1691.7	32.3	1686.6	18.1	1680.1	6.6	1680.1	6.6	100.7
BENYON 316-59	194	103605	0.6	9.6414	0.8	4.1403	1.6	0.2895	1.4	0.88	1639.1	20.9	1662.3	13.4	1691.7	14.4	1691.7	14.4	96.9
BENYON 316-93	79	37179	2.7	9.4943	1.5	4.0355	1.9	0.2779	1.2	0.63	1580.7	16.9	1641.4	15.5	1720.0	27.2	1720.0	27.2	91.9
BENYON 316-53	154	113462	2.3	9.3756	1.0	4.3987	1.7	0.2991	1.4	0.83	1686.9	21.3	1712.1	14.4	1743.1	17.9	1743.1	17.9	96.8
BENYON 316-20	105	68553	1.7	8.4578	0.8	5.6230	1.4	0.3449	1.1	0.80	1910.3	18.0	1919.6	11.7	1929.7	14.6	1929.7	14.6	99.0
BENYON 316-3	119	76122	0.8	8.3047	1.1	5.6559	2.3	0.3407	2.0	0.87	1889.8	32.2	1924.7	19.5	1962.3	19.7	1962.3	19.7	96.3
BENYON 316-45	118	120184	1.5	8.1606	0.6	5.9162	1.2	0.3502	1.1	0.88	1935.4	18.3	1936.3	10.8	1993.5	10.6	1993.5	10.6	97.1
BENYON 316-17	259	12961	1.4	7.8569	0.8	6.2588	1.6	0.3566	1.3	0.85	1966.3	22.5	2012.7	13.6	2060.7	14.4	2060.7	14.4	95.4
BENYON 316-10	85	112701	1.9	7.7829	0.7	6.7650	1.3	0.3819	1.1	0.85	2085.0	19.9	2081.2	11.6	2077.4	12.2	2077.4	12.2	100.4
BENYON 316-31	48	49765	0.7	7.7600	1.4	6.5693	2.8	0.3697	2.4	0.87	2028.1	42.2	2055.2	24.6	2082.6	24.2	2082.6	24.2	97.4
BENYON 316-18	82	101439	1.7	7.6628	0.7	6.7273													

BENYON 216-99	215	27734	1.7	19.1700	6.6	0.3705	7.2	0.0515	2.9	0.40	323.8	9.1	320.0	19.9	292.6	151.9	323.8	9.1	NA
BENYON 216-10	93	8564	1.0	19.5745	13.7	0.3714	13.8	0.0527	1.3	0.09	331.3	4.0	320.7	37.9	244.7	317.0	331.3	4.0	NA
BENYON 216-46	406	27382	7.8	18.6158	2.4	0.4072	3.0	0.0550	1.8	0.59	345.0	6.0	346.8	8.9	359.2	55.0	345.0	6.0	NA
BENYON 216-75	68	5976	1.4	18.6074	12.3	0.4084	15.4	0.0551	9.3	0.60	345.9	31.2	347.8	45.3	360.2	277.6	345.9	31.2	NA
BENYON 216-29	454	42243	1.5	18.7011	1.8	0.4101	2.6	0.0556	2.0	0.74	348.9	6.6	348.9	7.8	348.9	40.4	348.9	6.6	NA
BENYON 216-7	233	25224	1.9	18.4970	3.8	0.4197	3.9	0.0563	0.9	0.23	353.1	3.1	355.8	11.6	373.6	84.9	353.1	3.1	NA
BENYON 216-92	657	58348	2.4	17.8782	1.8	0.4853	6.6	0.0629	6.3	0.96	393.4	24.2	401.7	21.9	449.7	41.0	393.4	24.2	NA
BENYON 216-58	174	1456	2.0	17.8047	8.4	0.5092	8.6	0.0658	1.8	0.21	410.5	7.2	417.9	29.3	458.9	185.7	410.5	7.2	89.5
BENYON 216-105	208	20197	2.0	17.4903	4.4	0.5473	4.9	0.0694	2.1	0.43	432.7	8.8	443.2	17.5	498.3	97.1	432.7	8.8	86.8
BENYON 216-4	438	88314	3.4	18.0046	1.6	0.5405	2.6	0.0706	2.0	0.77	439.7	8.4	438.8	9.1	434.1	36.5	439.7	8.4	101.3
BENYON 216-9	495	76244	2.2	17.9664	1.5	0.5461	1.6	0.0712	0.7	0.44	443.2	3.1	442.5	5.8	438.8	32.3	443.2	3.1	101.0
BENYON 216-3	238	36323	1.8	17.2967	2.2	0.7028	3.0	0.0882	2.0	0.68	544.7	10.4	540.5	12.4	522.7	47.7	544.7	10.4	104.2
BENYON 216-16	276	44988	0.8	16.4164	1.5	0.7956	1.9	0.0947	1.2	0.64	583.4	6.9	594.3	8.7	636.2	32.0	583.4	6.9	91.7
BENYON 216-88	81	33279	2.6	14.3266	3.6	1.5077	4.0	0.1567	1.6	0.39	938.2	13.7	933.5	24.2	922.5	74.5	922.5	74.5	101.7
BENYON 216-93	138	29989	2.9	14.1041	1.6	1.4983	2.9	0.1533	1.9	0.76	919.2	16.2	929.7	15.1	954.6	32.7	954.6	32.7	96.3
BENYON 216-19	226	145617	2.7	14.0381	1.3	1.5368	1.4	0.1655	0.5	0.37	937.1	4.4	945.2	8.3	964.2	25.6	964.2	25.6	97.2
BENYON 216-3	157	37409	3.0	13.5819	1.5	1.7127	2.4	0.1687	1.9	0.77	1005.0	17.4	1013.3	15.5	1031.3	31.2	1031.3	31.2	97.5
BENYON 216-23	136	46598	2.7	13.5759	2.0	1.7753	2.1	0.1748	0.7	0.32	1038.5	6.4	1036.5	13.6	1032.1	40.2	1032.1	40.2	100.6
BENYON 216-31	98	31013	3.4	13.4382	2.7	1.8006	3.2	0.1755	1.6	0.50	1042.3	15.1	1045.7	20.7	1052.8	55.4	1052.8	55.4	99.0
BENYON 216-89	334	95112	3.1	13.3913	0.8	1.7789	2.8	0.1728	2.6	0.95	1027.4	25.0	1037.8	18.0	1059.8	16.9	1059.8	16.9	96.9
BENYON 216-5	186	60101	2.0	13.3912	2.4	1.8366	3.8	0.1784	3.0	0.78	1058.1	29.3	1058.6	25.3	1059.8	48.5	1059.8	48.5	99.8
BENYON 216-57	225	60046	4.2	13.3816	1.1	1.7726	1.3	0.1720	0.7	0.55	1023.3	7.0	1035.5	8.8	1061.3	22.7	1061.3	22.7	96.4
BENYON 216-103	103	55080	2.4	13.3476	1.7	1.8624	2.5	0.1803	1.8	0.74	1068.5	18.2	1067.8	16.4	1066.4	33.3	1066.4	33.3	100.2
BENYON 216-18	44	12272	2.9	13.0555	4.3	1.9925	4.9	0.1887	2.3	0.47	1114.1	23.4	1113.0	33.1	1110.7	86.4	1110.7	86.4	100.3
BENYON 216-43	64	70427	0.9	12.9875	3.3	1.8923	3.9	0.1782	2.1	0.54	1057.4	20.6	1078.4	25.8	1121.1	65.1	1121.1	65.1	94.3
BENYON 216-56	83	24800	2.1	12.8513	3.1	2.0261	3.6	0.1888	1.8	0.49	1115.1	18.1	1124.3	24.3	1142.1	61.7	1142.1	61.7	97.6
BENYON 216-9	122	52490	2.1	12.8457	1.7	1.9934	1.9	0.1857	0.9	0.45	1098.2	8.9	1113.3	13.2	1143.0	34.6	1143.0	34.6	96.1
BENYON 216-8	118	56672	1.8	12.8169	0.9	2.0667	3.2	0.1921	3.1	0.96	1132.8	32.2	1137.8	22.1	1147.4	17.6	1147.4	17.6	98.7
BENYON 216-68	81	25837	1.7	12.8103	1.9	2.0361	2.9	0.1892	2.1	0.74	1116.9	21.6	1127.6	19.4	1148.4	38.3	1148.4	38.3	97.3
BENYON 216-74	93	30583	1.8	12.7755	1.2	2.1146	2.5	0.1959	2.3	0.89	1153.4	23.9	1153.6	17.6	1153.8	23.3	1153.8	23.3	100.0
BENYON 216-66	155	49190	2.5	12.7365	1.4	2.0958	1.9	0.1936	1.2	0.66	1140.8	12.7	1147.4	12.7	1159.9	27.6	1159.9	27.6	98.4
BENYON 216-55	88	51357	2.7	12.4679	2.3	2.1853	2.7	0.1976	1.4	0.53	1162.5	14.9	1176.4	18.6	1202.0	44.7	1202.0	44.7	96.7
BENYON 216-85	141	63272	3.7	11.9938	1.1	2.5469	2.8	0.2215	2.6	0.92	1290.0	30.8	1285.5	20.8	1278.0	21.1	1278.0	21.1	100.9
BENYON 216-48	150	52857	2.2	11.8576	1.1	2.4272	1.3	0.2087	0.6	0.47	1222.1	6.8	1250.7	9.3	1300.3	22.0	1300.3	22.0	94.0
BENYON 216-69	155	114334	2.9	11.5279	1.3	2.6625	2.1	0.2226	1.6	0.77	1295.6	18.0	1318.1	15.5	1354.8	25.9	1354.8	25.9	95.6
BENYON 216-45	144	84636	2.8	11.5053	0.9	2.6315	2.2	0.2196	2.0	0.91	1279.7	23.0	1309.5	16.1	1358.6	17.9	1358.6	17.9	94.2
BENYON 216-65	200	13798	1.9	11.3330	0.6	2.7656	0.9	0.2273	0.7	0.78	1320.4	8.7	1346.3	7.0	1387.6	31.4	1387.6	31.4	95.2
BENYON 216-78	106	82035	1.1	11.0717	2.1	3.0316	2.3	0.2434	0.9	0.38	1404.5	11.2	1415.6	17.7	1432.3	40.9	1432.3	40.9	98.1
BENYON 216-3	175	59436	1.3	11.0694	0.5	3.0252	1.7	0.2429	1.6	0.95	1401.7	20.0	1414.0	12.8	1432.6	9.8	1432.6	9.8	97.8
BENYON 216-17	439	316749	2.6	10.7779	0.3	3.1505	0.8	0.2463	0.8	0.93	1419.2	9.8	1445.1	6.3	1483.4	5.6	1483.4	5.6	95.7
BENYON 216-44	110	57490	2.2	10.6986	1.1	3.3057	1.2	0.2565	0.5	0.42	1471.9	6.7	1482.4	9.4	1497.4	20.7	1497.4	20.7	98.3
BENYON 216-82	304	207753	2.1	10.6305	0.3	3.1506	3.6	0.2429	3.6	1.00	1401.8	45.2	1445.1	27.8	1509.5	6.5	1509.5	6.5	92.9
BENYON 216-73	163	92928	2.5	10.5880	0.7	3.4235	1.0	0.2629	0.7	0.73	1504.6	9.6	1509.8	7.7	1517.0	12.7	1517.0	12.7	99.2
BENYON 216-22	304	74173	1.8	10.1448	0.4	3.7558	1.2	0.2763	1.1	0.95	1572.9	15.3	1583.3	9.3	1597.3	7.1	1597.3	7.1	98.5
BENYON 216-86	111	48564	1.1	9.8436	0.7	4.0239	1.9	0.2873	1.8	0.93	1627.9	26.1	1639.0	15.8	1653.3	12.8	1653.3	12.8	98.5
BENYON 216-67	161	117225	1.5	9.8385	0.6	4.0411	1.1	0.2884	0.9	0.86	1633.3	13.5	1642.5	8.9	1654.3	10.4	1654.3	10.4	98.7
BENYON 216-49	222	125453	0.9	9.7597	0.5	4.0330	1.4	0.2855	1.3	0.94	1618.9	18.6	1640.9	11.3	1669.2	9.1	1669.2	9.1	97.0
BENYON 216-30	291	139848	1.4	9.5995	0.4	4.2369	2.3	0.2950	2.2	0.99	1666.4	32.9	1681.2	18.7	1699.7	6.8	1699.7	6.8	98.0
BENYON 216-6	95	32458	313.1	9.5320	1.4	3.9919	2.3	0.2760	1.8	0.80	1571.0	25.6	1632.6	18.8	1712.7	25.7	1712.7	25.7	91.7
BENYON 216-59	52	36610	0.8	9.4822	2.0	4.2387	2.3	0.2915	1.2	0.51	1649.0	17.0	1681.6	18.7	1722.3	35.9	1722.3	35.9	95.7
BENYON 216-70	68	56737	2.5	9.4462	1.9	4.0647	4.0	0.2785	3.5	0.88	1583.7	49.2	1647.2	32.4	1729.3	34.4	1729.3	34.4	91.6
BENYON 216-60	54	39187	1.5	9.3628	1.1	4.3946	2.3	0.2984	2.0	0.87	1683.5	29.2	1711.3	18.8	1745.6	20.8	1745.6	20.8	96.4
BENYON 216-32	90	28576	1.2	9.2454	1.4	4.7058	3.5	0.3155	3.2	0.92	1767.9	49.0	1768.3	28.9	1768.7	25.0	1768.7	25.0	100.0
BENYON 216-61	256	192003	2.4	9.1478	0.3	4.9408	1.4	0.3278	1.3	0.97	1827.7	21.4	1809.3	11.7	1788.0	6.3	1788.0	6.3	102.2
BENYON 216-91	201	203782	3.2	9.0427	0.5	4.7995	0.9	0.3148	0.8	0.84	1764.1	12.2	1784.8	7.9	1809.1	9.3	1809.1	9.3	97.5
BENYON 216-14	67	74851	1.6	8.9344	0.8	5.0626													

Analysis run on: Tuesday, Jan 15, 2013 @ 04:59:51 PM. Version: 1.0.

## K-S Test

K-S P-values using error in the CDF									
	9	7	8	2	5	3	6	4	1
9	0.060	0.060	0.297	0.000	0.000	0.001	0.000	0.303	0.000
7	0.060	0.060	0.550	0.000	0.000	0.000	0.000	0.046	0.025
8	0.297	0.550	0.550	0.000	0.000	0.000	0.000	0.001	0.046
2	0.000	0.000	0.000	0.435	0.435	0.925	0.521	0.027	0.000
5	0.000	0.000	0.000	0.435	0.479	0.249	0.045	0.000	0.000
3	0.001	0.000	0.000	0.925	0.479	0.694	0.694	0.151	0.000
6	0.000	0.000	0.000	0.521	0.249	0.694	0.694	0.052	0.000
4	0.303	0.046	0.001	0.027	0.045	0.151	0.052	0.000	0.000
1	0.000	0.025	0.046	0.000	0.000	0.000	0.000	0.000	0.000

D-values using error in the CDF	9	7	8	2	5	3	6	4	1
	0.189	0.138	0.330	0.299	0.302	0.302	0.302	0.141	0.30
0.189		0.112	0.377	0.345	0.361	0.382	0.200	0.141	0.30
0.138	0.112		0.445	0.429	0.435	0.435	0.274	0.191	0.30
0.330	0.377	0.445		0.126	0.086	0.116	0.231	0.58	0.30
0.299	0.345	0.429	0.126		0.133	0.148	0.203	0.55	0.30
0.302	0.361	0.435	0.086	0.133		0.111	0.181	0.056	0.30
0.302	0.382	0.435	0.116	0.148	0.111		0.197	0.56	0.30
0.141	0.200	0.274	0.213	0.203	0.181	0.197		0.41	0.30
0.301	0.212	0.194	0.580	0.551	0.568	0.567	0.411		0.30

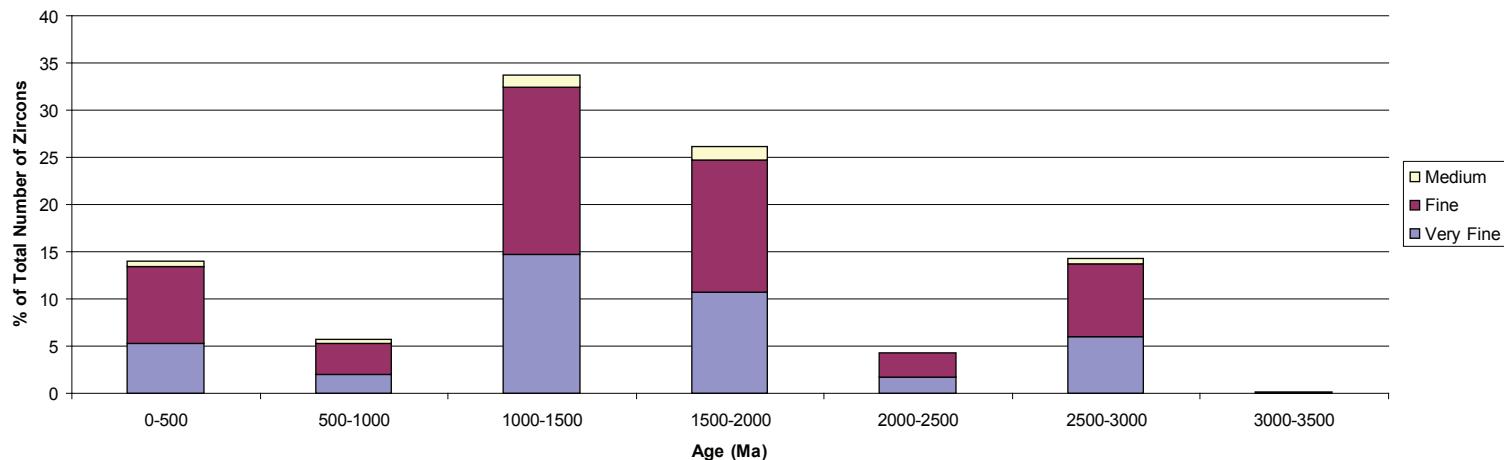
	9	7	8	2	5	3	6	4	1
9	0.048	0.048	0.196	0.000	0.000	0.001	0.000	0.239	0.000
7	0.196	0.411	0.411	0.000	0.000	0.000	0.000	0.045	0.016
8	0.411	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.034
2	0.000	0.000	0.000	0.278	0.278	0.545	0.127	0.018	0.000
5	0.000	0.000	0.000	0.278	0.297	0.151	0.018	0.000	0.000
3	0.001	0.000	0.000	0.545	0.297	0.325	0.097	0.000	0.000
6	0.000	0.000	0.000	0.127	0.151	0.325	0.040	0.000	0.000
4	0.239	0.045	0.001	0.018	0.018	0.097	0.040	0.000	0.000
1	0.000	0.016	0.034	0.000	0.000	0.000	0.000	0.000	0.000

D-values for no error									
9	7	8	2	5	3	6	4	1	
0.195	0.195	0.152	0.338	0.309	0.306	0.316	0.150	0.31	
0.152	0.125	0.125	0.384	0.357	0.360	0.393	0.200	0.22	
0.338	0.384	0.453	0.453	0.434	0.439	0.441	0.279	0.20	
0.309	0.357	0.434	0.143	0.143	0.154	0.165	0.226	0.55	
0.306	0.360	0.439	0.125	0.154	0.149	0.196	0.57	0.16	
0.316	0.393	0.441	0.167	0.165	0.149	0.203	0.203	0.56	
0.150	0.200	0.279	0.223	0.226	0.196	0.203	0.41	0.41	
0.313	0.221	0.202	0.590	0.551	0.576	0.568	0.416		

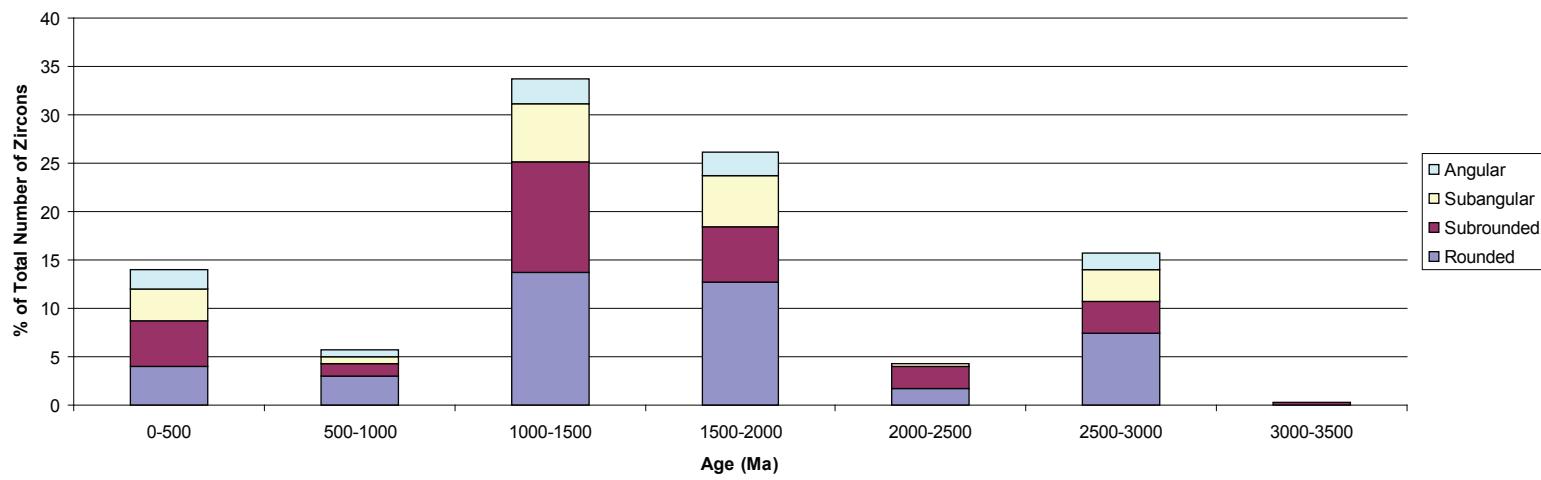
Average K-S P-values using Monte-Carlo									
	9	7	8	2	5	3	6	4	1
9	0.049		0.178	0.000	0.000	0.001	0.000	0.244	0.000
7	0.049		0.425	0.000	0.000	0.000	0.000	0.037	0.011
8	0.178	0.425		0.000	0.000	0.000	0.000	0.000	0.037
2	0.000	0.000	0.000	0.328	0.703	0.324	0.016	0.000	
5	0.000	0.000	0.000	0.328	0.374	0.133	0.022	0.000	
3	0.001	0.000	0.000	0.703	0.374		0.417	0.096	0.000
6	0.000	0.000	0.000	0.324	0.133	0.417		0.044	0.000
4	0.244	0.037	0.001	0.016	0.022	0.096	0.044	0.000	
1	0.000	0.011	0.037	0.000	0.000	0.000	0.000	0.000	

# Grain Morphology Analysis

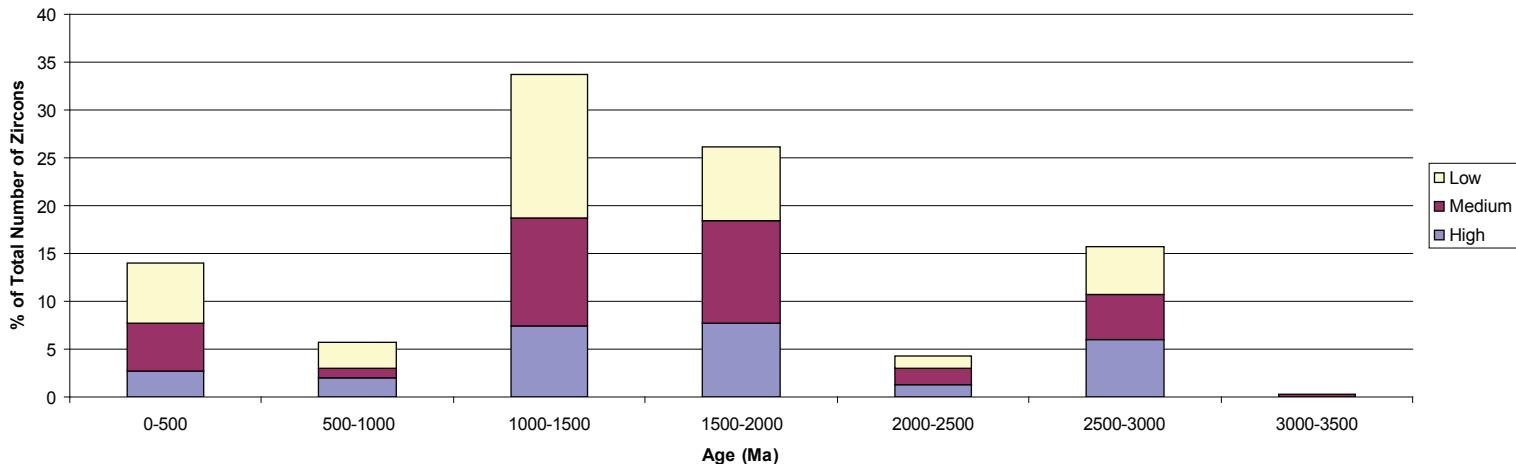
Zircon Grain Size for Samples 1, 2 and 8



Zircon Roundness for Samples 1, 2 and 8



Zircon Sphericity for Samples 1, 2 and 8



Zircon roundness was measured using a comparison to standard frameworks, and sphericity was estimated using a round and elongate grain as endmembers.