

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 27/8/98 UWA Mount No. 97-43 Whose sample? AGSO Operator(s) IF + AR

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
Precambrian	Count time (secs):	2	10	10	10	30/10*	10	5	5	2
Phanerozoic*	Delay time (secs):	7	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 32 nanosecs

actual 196-204 = 8.167 actual 204-bkg = 0.043 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5464

Primary = 56 nA PESABM = 4.0 pA actual Primary : PESABM (= 50:1) = 71

Raster time (mins): 1 Raster aperture (microns): 100/120 No. of scans: 85

Sensitivity = 16

Comments: ① Primary and Duo machine adjusted by AK. Significant problems with maintaining primary, and secondary problems as well.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets 196-204 206-207
	CZ.7-1	13:55	6.07	20.7	2241	-	-ve	-	-	570	8.168 0.999
	CZ.7-2	14:14	6.08	20.0	2208	221	-ve	-	577	584	-
<i>1° dropped</i>	A.1-1	14:32	6.54	18.0	33K	69	6.0	.03	2360	2556	-
<i>1° dropped badly</i>	A.2-1	15:13	6.32	13.2	8724	307	8.5	.11	1953	2537	8.167 1.000
<i>1° dropped</i>	CZ.1-1	15:31	6.26	15.9	1904	232	1.1	.09	542	-	8.167 1.000
<i>* 1° dropped during analysis</i>	A.3-1	15:53	5.90	20.1	7563	689	12.7	2.59	679	1293	-
	~ Got going again at 5.30.										
<i>~ 3-A</i>	CZ.7-3	18:09	6.16	12.6	1489	220	-ve	.09	572	583	8.167 1.000
	A.4-1	18:26	6.22	12.4	8548	255	130	1.56	2391	2537	8.167, 000 201
	A.5-1	18:50	5.93	14.7	7209	563	211	.33	1013	1935	8.166 1.000
	CZ.1-2	19:05	6.02	12.9	1507	230	-ve	-ve	569	498	8.167 1.000

VWA

Mount/sample No: 97-43

Date: 27/8/98

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	A.6-1	19:22	6.16	12.9	7672	415	46	.66	1418	2217	8.166 1.00
	A.7-1	19:38	6.47	13.3	3800	36	262	11.6	3640	2658	8.168 1.00
	A.8-1	19:56	6.35	12.3	5500	335	40.4	.85	1221	2126	"
	c2.1-3	20:14	6.12	12.4	1471	229	0.3	.00	564	554	"
	A.9-1	20:29	7.34	9.4	21k	773	262	1.8	1651	1883	"
	A.10-1	20:46	7.45	8.4	60k	2195	1027	2.2	1742	2007	"
	A.11-1	21:01	6.32	11.8	6945	190	2.5	.04	2590	2633	"
	c2.1-4	21:18	6.33	11.8	1543	225	-ve	.00	508	585	"
	A.12-1	21:35	6.07	12.2	9953	465	518	5.1	1694	2214	"
	A.13-1	21:52	6.17	13.0	6240	569	134	2.5	858	1657	"
	A.14-1	22:09	5.92	14.0	3982	496	274	2.3	676	1115	"
	c2.1-5	22:25	6.08	12.0	1414	232	-ve	-ve	566	535	"
	A.15-1	22:42	5.96	11.7	10k	487	252	.2	1888	2457	"
	B.1-1	23:06	6.90	10.7	2973	153	344	13.8	1130	2693	"
	B.2-1	23:25	6.86	10.6	3488	135	127	4.2	1638	2617	"
	c2.1-6	23:41	6.13	12.4	1458	220	0.6	.00	578	583	"
	B.3-1	23:59	6.22	12.1	2133	60	19	.88	2558	2679	"
	B.4-1	00:14	6.83	10.9	4555	222	336	8.9	1251	2592	"
	B.5-1	00:29	7.30	12.7	984	41	34.7	6.7	984	2528	"
	c2.1-7	00:46	6.39	11.4	1462	222	-ve	-	547	593	8.167 1.00
	B.7-1	1:09	7.14	10.6	7912	320	534	8.8	1368	2663	8.168 1.00
	B.8-1	1:27	7.04	3853	9.8k	170	276	9.6	1406	2643	"
	B.10-1	1:52	6.29	12.2	2135	768	116.7	5.6	1928	2618	"
	B.12-1	2:18	6.52	12.0	2121	84	102	5.5	1617	2649	"
	c2.1-8	2:33	6.22	11.4	1412	226	1.4	.12	566	560	8.167 1.00

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.
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	B.13-1	2:50	7.38	9.1	4772	213	394	10.4	1281	2616	8.168 1.000
	B.14-1	3:05	6.38	11.7	2798	88	141	5.2	2155	2660	11
→	B.18-1	3:28	6.43	11.0	2715	70.2	0.9	.03	2739	2725	8.169 1.000
	C2.7-4	3:46	6.40	11.3	1454	210	-ve	-	575	565	8.168 1.000
	C.1-1	4:07	6.21	10.9	1803	59	1.1	.05	2487	2675	8.167 1.000
	C.2-1	4:23	6.27	11.8	2377	67	11.5	.48	2563	2638	8.168 1.000
	C3-1	4:39	7.00	11.4	3738	157	177	6.4%	1335	2498	11
	C2.3-1	4:55	6.31	11.6	1445	219	0.7	.06	562	566	11
→	C.4-1	5:11	6.29	11.5	803	22	1.5	.19	2660	2673	11
	C.5-1	5:27	6.31	10.9	3172	99	10.6	.32	2478	2630	11
	C7-1	5:45	6.20	11.9	3614	119	42.5	1.2	2283	2573	11
	C2.3-2	6:01	6.40	11.1	1483	221	-ve	-ve	573	489	11
	C.31-1	6:17	5.50	11.1	1147	64	46	3.4	2174	2608	11
	C.9-1	6:37	6.97	11.0	3228	158	207	8.2	1190	2590	11
	C.10-1	6:48	6.39	11.1	3614	105	139	3.3	2380	2585	11
	C2.3-3	7:05	6.36	11.1	1384	221	-ve	-	542	500	8.167 1.000
	C.12-1	7:30	6.59	10.6	2627	71	5.2	.21	2565	2648	8.168 1.000
	C.14-1	7:48	6.43	11.1	2180	86	65	3.0	1864 2180	2580	11
	C.15-1	8:04	6.51	10.8	4471	123	4.9	.11	2582	2659	8.167 1.000
	C.16-1	8:22	6.40	11.3	2605	85.6	18.7	.74	2201	2584	8.168 1.000
	S1.5-1	8:38	6.07	11.6	1349	235	-0.3	.03	553	558	11
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