

**UWA DATA LOG: SHRIMP ZIRCON U-Pb**

Date	UWA Mount No.	Whose sample?	Operator(s)
7/2/98	97-37	YQ	McN + YQ

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Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
<del>Precambrian</del> Count time (secs):	2	10	10	10	20	20	10	5	2
Phanerozoic* Delay time (secs):	48	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu      expected 204-bkg = 0.040<sup>5</sup> amu      Dead-time = 32 nanosecs  
 actual 196-204 = 8.166      actual 204-bkg = 0.045      expected resolution = >4200  
 actual 206-207 = 1.000      actual 206-208 = 2.000      actual resolution = 4990  
 Primary = 2.1 nA    PESABM = 2.6 pA    actual Primary : PESABM (= 50:1) = 80.1  
 Raster time (mins): 2/5    Raster aperture (microns): 120    No. of scans: 5

Comments: B = G22-1      changed after sl. 3.1 (\*)  
 (NB: 10 analyses on B from 3/2/98)    nstd = 14, % = 1.07  
 (Actual slope = 1.94; % = 1.06)  
 A = QSHK-2

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma)		Corr.
									206/238	207/206	
	sl. 3-1	10:38	6.09	8.4	989	220	2.8	.21	571 ± 1	604 ± 31	208
	sl. 3-2	10:59	5.97	8.5	1011	230	2.7	.15	588 ± 2	574 ± 31	"
	<del>sl. 3-3</del> sl. 3-3	11:19	6.15	8.4	1008	216	2.2	.08	576 ± 2	631 ± 30	"
	B. 12-1	11:40	5.93	8.5	144	80.4	6.7	1.97	246 ± 1	136 ± ?	"
	B. 12-2	11:58	6.12	8.5	245	126	4.3	1.07	244 ± 1	237 ± 106	"
	B. 13-1	12:17	6.35	8.3	1031	480	5.6	.53	247 ± 1	214 ± 75	204
	sl. 3-4	12:36	5.90	8.7	1016	238	3.3	.19	580 ± 1	572 ± 31	208
	B. 14-1	12:56	5.86	8.6	147	87.8	1.8	.62	242 ± 1	303 ± 128	"
	B. 15-1	13:15	6.14	8.3	417	216	4.0	.03	248 ± 1	591 ± 67	"
	B. 16-1	13:33	6.24	8.3	2649	113	2.0	.05	2408 ± 10	2545 ± 9	204
	B. 17-1	13:52	6.12	8.3	198	104	1.9	.91	243 ± 1	451 ± 106	208

high 204 → Reject?  
 (\* ) →

Rejection over-ride	Sample/Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	sl. 3-5	14:12	6.14	8.1	1022	223	0.8	.11	584 ± 2	581 ± 31	208
	B.18-1	14:33	6.03	8.3	191	107	1.5	.75	241 ± 1	277 ± 114	"
	B.19-1	14:52	5.94	8.1	1939	127	0.0	—	1942 ± 8	2011 ± 12	—
	B.20-1	15:11	6.01	7.6	175	109	5.3	2.03	236 ± 1	218 ± 136	208
	B.21-1	15:33	5.87	8.4	45.1	25.9	5.1	2.63	248 ± 1	106 ± ?	"
	sl. 5-4	15:53	5.78	8.4	964	249	5.9	.22	579 ± 1	625 ± 32	"
	B.22-1	16:13	6.19	8.1	166	86	4.4	1.90	242 ± 1	—	"
	B.23-1	16:33	6.06	8.3	158	86	2.2	1.11	241 ± 1	475 ± 122	"
	B.24-1	16:51	5.86	8.1	245	147	3.8	.26	254 ± 1	578 ± 88	"
	B.25-1	17:11	5.82	7.8	277	20.4	3.7	.78	1930 ± 22	1808 ± 59	204
	sl. 5-5	17:32	5.95	8.1	974	236	2.0	.14	588 ± 2	569 ± 32	208
	B.26-1	17:51	5.86	7.8	274	179	5.8	1.06	242 ± 1	—	"
	B.27-1	18:11	5.71	7.8	292	210	5.0	1.12	239 ± 1	91 ± ?	204
	B.28-1	18:31	5.71	7.9	203	145	0.0	.47	241 ± 1	425 ± 103	208
	B.29-1	18:53	5.83	8.1	461	49.9	4.4	<del>.60</del>	1319 ± 10	1797 ± 48	204
	sl. 5-6	19:12	6.23	7.99	994	214	0.	.2	573 ± 2	578 ± 12	208
(A-31-D) →	B.31-1	19:34	5.65	8.1	<del>529</del> <sup>128</sup>	<del>87</del> <sup>89</sup>	<del>2.7</del> <sup>8.1</sup>	2.7	244 ± 1	0	208
	B.32-1	19:54	5.67	7.9	187	133	7.6	1.7	244 ± 1	434 ± 116	208
	B.33-1	20:16	5.63	7.6	140	106	10.	3.3	239 ± 1	0	208
	B.36-1	20:38	5.94	7.9	100	5.4	5.2	3.2	2284 ± 13	2493 ± 113	204
	sl. 1-1	21:12	6.1	7.9	945	217	2.9	1.06	583 ± 2	582 ± 10	208
	B.38-1	21:36	6.07	7.7	139	83	2.3	1.6	238	394	208
	B.41-1	21:58	5.74	7.6	103	75	4.5	2.9	239	0	208
	B.42-1	22:19	5.79	7.6	162	109	5.8	1.1	249	761	208
	B.43-1	22:40	6.03	7.7	679	49	4.5	0.4	1792 ± 13	1784 ± 31	204

low 1°?

19

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps K	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238    207/206	Corr.
	SL1-2	23:01	5.72	7.6	847	252	2.3	.1	579±2    671	208
QSHK-2	A1-1	23:23	6.05	7.9	142	99	1.	.5	202    256	208
	A2-1	23:46	6.22	7.	241	171	1.3	✓	206    386	✓
	A4-1	0:08	6.03	7.1	227	178	3.4	1.4	202    450	208
	A5-1	0:30	6.02	7.6	29	20	-1.3	1.9	208±2    391	208
	A6-1	0:50	6.0	7.6	354	251	6.7	0.7	212    536	208
	SL1-3	1:12	5.88	7.8	909	236	3.0	.1	586    600	208
	A10-1	1:33	5.92	7.6	202	157	1.	.45	201±1    404±1	208
	A13-1	1:55	6.23	7.6	487	313	1.1	0.11	208±1    506±93	208
	A15-1	2:17	5.81	7.2	359	261	142	21.7	193±1    0	208
	A16-1	2:37	6.15	7.7	677	443	5.9	✓	210±12    404	208
	A17-1	2:57	5.89	7.8	115	91	2.9	1.3	195±1    333	208
	SL1-4	3:17	5.99	7.3	888	230	4.6	.3	593±2    600±34	208
	A19-1	3:39	6.24	7.6	222	143	7.8	2.9	251    0	208
	A21-1	4:01	6.49	7.4	116	94	3.9	2.1	149    0	208
	A22-1	4:23	6.34	8.1	263	152	0.3	0.9	205    324	204
	A23-1	4:43	6.33	7.2	277	161	2.	.66	215    183	204
	A24-1	5:03	6.28	8.4	233	131	13.7	6.4	197    398	208
	SL1-5	5:23	5.86	8.3	968	238	4.5	.34	588    535	204
	A27-1	5:47	5.87	8.	703	529	4.5	1.47	204    220	204
	A29-1	6:08	6.05	8.3	771	493	2.4	1.4	205    610	208
	A30-1	6:29	6.01	8.2	473	302	2.3	2.5	212    685	208
	A31-1	6:48	5.87	8.2	473	342	3.5	.6	207    100	204
	A40-1	7:16	5.29	7.4	94	110	3.2	1.4	203    507	208
	SL2-1	7:36	5.69	8.	881	256	5.1	.03	570    671	208