

CAME FROM 97-36

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 10/21/98 UWA Mount No.: 97-35 Whose sample?: YQ Operator(s): MeW + YQ

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254  
 Precambrian Count time (secs): 2 10 10 20 30/10\* 10 5 5 2  
 Phanerozoic\* Delay time (secs): 78 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 = 8.170 actual 204-bkg = 0.044 expected resolution = >4200  
 actual 206-207 = 1.000 actual 206-208 = 1.999 actual resolution = 5090  
 Primary = 2.8 nA PESABM = 36 pA actual Primary : PESABM (= 50:1) = 78  
 Raster time (mins): 2 Raster aperture (microns): 120 No. of scans: 5

see 97-36

Comments:

97-35A = YQY-3

Rejection over-ride Sample/Std ID Time - printout UO/U 196 cps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Corr.

97-35A	SL1-1	21:52	6.04	13.3	1620	220	0.6	1.06	572	551	208
206 38	SL1-2	22:08	5.7	13.2	1525	250	1.3	1.09	577	560	208
ref	A27-1	22:29	6.18	13.5	1161	480	-0.7	<	177	228	-
??	A26-1	22:45	6.31	6.3	190	213	2.6	2.6	129	0	208
<del>1° drops &gt; 50%</del>	SL1-3										
1° drops again to 1.0	SL4-1	23:48	6.53	4.2	555	165	1.6	.2	637	461	204
1° drops > 50%	SL4-2	0:05	6.56	3.8	596	370	1.6	.4	338	730	208
pump system	SL4-3	0:24	6.03	11.9	1405	214	1.8	.03	573	782	208
206 38	A25-1	0:47	6.19	12.6	560	258	0.9	.2	168	2	204
206 38	A21-1	1:06	5.88	12.3	1709	871	48.9	1.7	182	702	208
206 38	A19-1	1:23	6.05	12.6	1703	798	2.8	.2	179	117	204

↑ OMIT ↓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
206	SL4-4	1:39	5.62	12.7	1380	248	2.9	.2	576	436	204
38.54	A6-1	1:59	5.93	13.	352	174	1.9	.7	175±1	242	204
206 38	A7-1	2:16	6.41	12.4	5758	1676	1.1	.03	242	238	204
206 206 38 4.8	A9-1	2:34	6.16	12.6	1660	732	1.6	.1	180	94	204
200 48 50	A12-1	2:51	6.08	13.	360	130	1.5	.1	221	302	208
206 54	A15-1	3:08	6.09	12.8	2110	954	1.9	.1	180	116	204
206	SL1-5	3:26	6.04	13.	1543	213	0.7	.06	571	554	204
206 38	A49-1	3:44	5.92	12.4	2102	1072	6.2	.4	180	14	204
	A46-1	4:01	5.71	12.5	169	99	3.3	1.6	174	0	208
206 6	A44-1	4:21	6.05	11.6	120	63	0.8	.9	173	246	204
7 48	A42-1	4:38	5.98	12.5	176	83	9.1	6.4	175	828	204
206	A41-1	4:59	6.07	12.3	1094	534	5.1	.6	174	341	204
196 284	SL6-1	5:18	6.00	12.6	1489	220	1.0	.09	570	566	204
196 48	A40-1	5:36	5.79	12.4	189	106	-0.9	-	176	428	✓
196 28	A28-1	5:54	5.91	12.	3140	1599	26.3	1.	185	207	204
206 208	A36-1	6:11	6.17	12.1	4087	1801	4.2	.1	186	726	204
48 54	A35-1	6:27	5.98	11.9	3387	1667	2.1	.08	187	165	204
206 27 38 48	SL6-2	6:46	6.21	12.9	1573	201	0.2	.03	573	599	208
6 38	A33-1	7:08	6.05	12.2	1200	431	2.4	.3	241	181	204
196 48	A32-1	7:26	6.4	11.6	3609	1468	2.8	.1	186	143	204
206 38 50	A30-1	7:44	6.46	11.8	718	294	22.5	1.8	175	992	208
196	A28-1	8:04	5.70	13.0	4.9K	362	30.0	.56	1244±3	2294±9	204
196 238	SL3-1	8:20	6.07	12.4	1585	220	0.6	.05	587±1	578±25	208
206 208 208	A41-1	8:38	5.98	12.3	1236	610	19.7	2.04	178±1	✓	204
204 48	A.2-1	8:54	6.26	12.3	1834	772	3.0	.24	182±1	168±43	"

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	Corr.
254 206 208 278 248	A.3-1	9:09	6.13	12.5	1393	638	6.2	.63	177±1	114±75	204
0, 838 84	A.51-1	9:25	6.13	12.1	4.2K	1820	19.1	.62	193±1	161±37	"
238 284	sl.3-2	9:42	5.85	12.8	1512	234	2.7	.03	582±1	586±25	208
	A.52-1	9:59	6.04	12.1	665	258	2.4	.47	225±1	109±94	204
38. 176 206 288 84	A.53-1	10:15	6.18	12.4	692	323	3.1	.90	169±1	/	208
48	A.54-1	10:37	5.96	12.2	744	396	2.7	.46	170±1	192±79	204
196 206 288	A.55-1	10:56	6.21	11.9	3041	1349	2.4	.11	186±1	128±28	"
207 284	sl.3-3	11:12	6.21	12.5	1583	209	1.4	-.01	572±1	578±24	208
END											

$n=10$   
 $\Sigma U/U = 1.61756$   
 $U/U = 5.98564$   
 $Pb^*/U = 0.192161$

1σ d % = 0.86%