

UWA SHRIMP DATA LOG

Date: 23/7/01 UWA Mount No.: 95-12/A47 Whose sample?: AMIRA/AR Operator(s): SB/AR

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	270
Precambrian	Count time (secs):	2	10	10	10/20 ⁴⁰ 30/10	10	5	5	2	
Phanerozoic*	Delay time (secs):	8	3	1	2	1	3	2	2	

Steel: Wein volts / nA = 346/12.0 for O⁻; = 237/2.2 for O₂⁻; = 193/4.6 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4600
 aperture = 100 microns retardation lens = volts

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 196-204 = 8.170 204-bkg = 0.045 204-206 = ~ 2.000 sensitivity = 20.9
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.9 nA Primary-CZ3 = 2.8 nA PESABM-CZ3 = 49 pA

Raster time (mins): 1.0 Raster aperture (microns): 100 No. of scans: 6

Comments: 95-12 A : Kawarna Belle Porphyry
A47 B : Sunrise Qz diorite (E326)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>C2.24-4*</u>	<u>12:11</u>	<u>5.79</u>	<u>17.0</u>	<u>1700</u>	<u>238</u>	<u>0.7</u>	<u>-06</u>	<u>571</u>	<u>533</u>	<u>✓</u>
	<u>CZ.24-5</u>	<u>12:31</u>	<u>5.77</u>	<u>17</u>	<u>1600</u>	<u>238</u>	<u>1.2</u>	<u>0.1</u>	<u>568</u>	<u>564</u>	
	<u>C2.24-6*</u>	<u>12:50</u>	<u>5.64</u>	<u>18</u>	<u>1700</u>	<u>238</u>	<u>0.3</u>	<u>-03</u>	<u>571</u>	<u>554</u>	<u>✓</u>
	<u>A.32-3</u>	<u>13:12</u>	<u>5.56</u>	<u>19</u>	<u>5900</u>	<u>146</u>	<u>16.4</u>	<u>0.4</u>	<u>2691</u>	<u>2642 ± 7</u>	
	<u>High 204 A32-4</u>	<u>~~~~~</u>									
	<u>C2.24-7*</u>	<u>13:45</u>	<u>5.75</u>	<u>19</u>	<u>1700</u>	<u>238</u>	<u>0.2</u>	<u>-02</u>	<u>571</u>	<u>588</u>	<u>✓</u>
	<u>A.1-4</u>	<u>14:03</u>	<u>5.91</u>	<u>20</u>	<u>5500</u>	<u>134</u>	<u>12.8</u>	<u>0.36</u>	<u>2539</u>	<u>2571 ± 7</u>	
	<u>A.1-5</u>	<u>14:22</u>	<u>6.27</u>	<u>18</u>	<u>9800</u>	<u>245</u>	<u>24</u>	<u>0.38</u>	<u>2537</u>	<u>2408 ± 6</u>	

called "centre" → change name
 changed to 40 sec on 207
 Adjusted collector positions

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 Offsets OK?

	A.1-6	14:40	5.98	18	2700	65	0.8	-0.4	2734	2658 ±8	
	A.1-7	15:07	5.85	18	2200	56	-0.1	-	2675	2667 ±7	
	C2.24-8	15:27	5.79	19	1800	242	0.1	-0.01	591	580	✓
	A.35-2	15:48	6.17	18	10000	236	41	.6	2688	2437 ±7	
	A.19-5	16:08	5.58	19	5400	130	7	.18	2734	2661 ±6	
	A.19-6	16:27	5.36	20	4700	114	20	0.0	2752	2670 ±9	
	A.17-6	16:59	5.57	21	1600	36	1.1	.11	2737	2694 ±10	
	C2.24-9	17:23	5.77	19	1800	235	1.2	.10	596	527	✓
	A.17-7	17:45	5.87	18	1100	26	0.7	.10	2778	2695 ±13	
	C2.24-10	18:31	5.88	20	1800	234	0.9	.09	588	525	✓
	→ Spent more time on other mounts - baking for zircons ←										
	C2.27-13	19:51	5.55	21	1700	217	0.5	.05	573	594	NO 204-bleed
	A2-6	20:19	6.07	18	18,000	403	12	.10	2792	2681	
	A6-4	20:39	5.85	19	9000	318	30	.49	2682	2659 ±6	
	A6-5	20:59	5.84	21	18,000	388	61	.19	2676	2525 ±15	
	A6-6	21:19	5.49	19	4700	115	19	.06	2784	2661 ±9	
	C2.27-14	21:40	5.66	18	1700	237	-ve	.00	595	581	✓
	A3-3 → abandoned				7204						abandoned
	A7-3 → abandoned				7204						abandoned
	A12-5	22:39	5.70	20	9000	224	23	.36	2755	2685 ±5	
	A12-6 → abandoned				7204						abandoned
	A10-7	23:07	6.29	17	6400	157	5.7	.13	2701	2647 ±6	
	A10-8	23:25	5.61	21	1100	256	69	.98	2650	2580 ±29	
	C2.27-15	23:56	5.72	20	1900	234	0.8	.07	590	554	✓
	A29-2	00:23	6.00	20	2700	76	35	2.1	2154	2667 ±15	
	C2.27-18				A28-1, A38-3, A43-1				abandoned	7204	

*Did after searching other mount for zircons

should be A29-3

E325
large field
SS

E326
Sunrise
Q=diavite.

THE END!