

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 8/1/99 UWA Mount No.: 98-12 Whose sample?: AGSO Operator(s): NoM + JD

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* 30/10* 10 5 5 2
~~Phanerozoic~~ Delay time (secs): 8 3 1 2 1 1 3 2 2

expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time =3.2..... nanosecs
 actual 196-204 =2.183..... actual 204-bkg =0.045..... expected resolution = >4200
 actual 206-207 =1.000..... actual 206-208 =2.000..... actual resolution =4774.....
 Primary =4.0..... nA PESABM =59..... pA actual Primary : PESABM (= 50:1) =68.....
 Raster time (mins):1..... Raster aperture (microns):120..... No. of scans:6.....

Comments: $\left. \begin{array}{l} B = 9796 \quad 9201 \\ C = \quad \quad 7150 \\ A = \quad \quad 9248 \end{array} \right\}$

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?
	sl.7-3	12:02	6.76	19.6	1729	220	-0.2	/	572 ± 1	585 ± 17	OK
	sl.7-4	12:20	6.96	18.8	1789	213	0.1	-01	583 ± 1	572 ± 18	"
	B.11-1	12:39	6.76	19.3	1117	25.4	6.9	-71	2703 ± 15	2622 ± 16	"
	B.12-1	12:57	7.18	18.1	2.0K	41.5	6.0	.38	2722 ± 12	2598 ± 10	"
	sl.7-5	13:16	6.83	19.5	1775	217	-0.1	/	577 ± 1	531 ± 18	"
	B.13-1	13:44	6.52	19.9	1010	25.8	4.1	.44	2632 ± 15	2592 ± 15	"
	B.13-2	14:01	6.87	18.8	1940	43.8	4.8	.29	2691 ± 11	2615 ± 10	"
	B.14-1	14:18	6.94	19.2	1975	42.7	0.8	-05	2681 ± 11	2636 ± 9	"
	sl.7-6	14:36	6.97	18.8	1768	213	0.0	/	574 ± 1	562 ± 17	"
	B.15-1	14:53	6.73	18.5	1376	34.5	2.1	-16	2636 ± 13	2588 ± 11	"
	B.16-1	15:12	6.93	18.9	2899	68.6	11.0	.46	2514 ± 8	2595 ± 9	"

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

	B.17-1	15:30	7.04	18.6	1315	28.7	1.6	.15	2631 ± 13	2638 ± 11	✓
	B.18-1	15:48	6.91	19.0	972	21.7	6.6	.83	2632 ± 16	2651 ± 17	✓
	sl.7-7	16:09	6.91	18.6	1696	214	.4	.03	570 ± 1	576 ± 25	✓
	B.19-1	16:34	7.13	18.4	2775	58.5	4.2	.19	2651 ± 10	2629 ± 8	✓
	B.20-1	16:56	6.99	18.1	2450	58.6	0.6	.03	2536 ± 9	2630 ± 8	✓
	B.18-2	17:18	6.95	19.0	1103	25.3	5.0	.56	2554 ± 14	2588 ± 15	✓
	B.21-1	17:45	6.99	18.6	1541	35.3	2.9	.23	2571 ± 12	2627 ± 11	✓
	sl.7-8	19:19	7.08	17.8	1726	209	—	—	575 ± 1	544 ± 18	✓
	B.22-1	19:38	6.59	17.8	1777	52.4	0.7	.04	2500 ± 10	2607 ± 9	✓
	B.23-1	19:56	6.85	18.5	1487	36.2	9.2	.71	2576 ± 12	2619 ± 13	✓
	B.24-1	20:16	6.97	17.0	1040	24.5	3.2	.34	2713 ± 16	2647 ± 14	✓
	B.25-1	20:33	6.71	17.8	1270	32.3	0.5	.04	2700 ± 14	2634 ± 11	✓
	sl.7-9	20:53	7.05	17.2	1717	213	0.7	.06	589 ± 1	516 ± 24	✓
	B.26-1	21:13	6.81	17.8	1889	46.4	0.3	.02	2688 ± 11	2630 ± 9	✓
	B.27-1	21:33	6.65	18.1	864	21.4	1.2	.14	2779 ± 18	2595 ± 15	✓
	B.28-1	21:59	6.57	19.4	731	19.3	7.8	1.15	2549 ± 17	2592 ± 22	✓
	B.29-1	22:17	6.98	17.7	1340	30.6	2.5	.22	2694 ± 14	2618 ± 12	✓
	sl.7-10	22:34	7.08	17.5	1714	212	1.2	.10	575 ± 1	532 ± 28	✓
	B.30-1	22:54	7.00	18.0	1456	33.7	9.8	.81	2588 ± 13	2599 ± 14	✓
	B.31-1	2° bombed out.									