

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 8/8/99 UWA Mount No.: 99-14c Whose sample?: AGSO Operator(s): JD/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*	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 = 32 nanosecs
 actual 196-204 = 8.170 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 52/6

Primary = 19 nA PESABM = 24 pA actual Primary : PESABM (= 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6
 Scan = 15

Comments: 99-14c = 9896 7102E

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)	Offsets OK?
									206/238 207/206	
	sl. 23-1	14:56	6.00	7.9	852	220	-	-	572 ± 1 576 ± 25	
Scan 3/4	sl. 24-1	15:14	5.92	7.7	804	232	2.4	.20	551 ± 1 529 ± 41	✓
Scan 5	C. 16-1	15:38	6.05	7.7	1941	103	2.9	.09	2389 ± 9 2665 ± 9	✓
↑ raster to 2 min.	C. 17-1	15:58	5.89	7.6	986	50	0.7	.04	2680 ± 16 2703 ± 14	✓
	C. 18-1	16:20	6.05	7.4	571	27	1.6	.15	2711 ± 21 2693 ± 17	✓
	sl. 24-2	16:41	5.87	7.6	809	236	1.6	.13	564 ± 1 530 ± 44	✓
	C. 19-1	17:22	6.42	8.1	674	47	10.1	1.10	1516 ± 8 2605 ± 25	✓
	C. 20-1	17:54	5.79	7.4	702	-	-	.27	- 2656 ± 18	✓
	C. 21-1	18:18	6.02	7.4	316	-	-	.63	- 2658 ± 28	✓
Scan 3	sl. 24-3	18:39	5.95	7.1	758	-	-	-	- 599 ± 26	✓
	C. 22-1	19:08	5.95	7.0	1978	-	-	.12	- 2083 ± 9	✓

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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 OK?	
	<i>Scan 3</i> c23-1	19:29		5.85	7.2	602	—	—	.23	—	2651±18	✓
	<i>Scan 1</i> c24-1	19:47		5.81	7.3	1553	—	—	.06	—	2681±10	✓
	<i>calibration standard</i> s124-4	20:06		5.99	6.8	761	220	0.9	.08	572±1	540±34	✓
	c25-1	20:28		5.96	7.7	998	53	0.2	.01	2441	2693	✓
	c26-1	20:47		5.77	7.3	505	29	3.7	.35	2632±21	2671±22	✓
	c27-1	21:07		5.89	7.2	243	13	1.7	.36	2670±32	2711±36	✓
	c28-1	21:30		6.23	6.7	640	30	-ive	—	2714±20	2716±14	✓
	s115-1	21:56		5.93	7.5	814	217	0.9	.08	594±1	488±46	✓
	c29-1	22:14		5.94	7.6	1221	58	-ive	—	2709±14	2696±10	✓
	c30-1	22:39		5.79	7.4	1955	108	2.1	.05	2621±11	2706±9	✓
	<i>Scan 1</i> c31-1	23:03		5.93	7.2	1281	64	-ive	—	2742±14	2672±10	✓
	c32-1	23:24		5.62	5.7	654	53	2.4	.13	2530±18	2658±16	✓
	s115-2	23:43		6.02	7.1	797	210	0.	.01	592±1	612±25	✓
	c33-1	00:02		5.81	7.3	771	42	1.1	.07	2657±17	2716±15	✓
	<i>Scan 2</i> c34-1	00:24		5.78	7.6	888	48	-ive	—	2634±16	2725±12	✓
	c35-1	00:46		5.53	7.1	954	63	-ive	—	2696±17	2772±11	✓
	<i>Scan 4</i> s111-2	1:07		5.81	7.5	787	233	-ive	—	563±1	2971±25	✓
	c36-1	1:31		5.94	7.5	782	37	0.6	.05	2742±18	2670±13	✓
	s117-1	1:51		5.81	7.2	766	236	2.0	.16	567±1	542±43	✓