

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 16/12/95 UWA Mount No. 95-28 Whose sample? Marcus Operator(s) Me N + Marcus

Indicate any change to the following:		196	204	bkg	206	207	208	238	248	254
Precambrian	Count time (secs):	2	10	10	10	30	10	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2
<del>Phanerozoic</del>	<del>Count time (secs):</del>	<del>2</del>	<del>10</del>	<del>10</del>	<del>10</del>	<del>10</del>	<del>10</del>	<del>5</del>	<del>5</del>	<del>2</del>
	<del>Delay time (secs):</del>	<del>7</del>	<del>3</del>	<del>1</del>	<del>2</del>	<del>1</del>	<del>1</del>	<del>3</del>	<del>2</del>	<del>2</del>

expected 196-204 = 8.170 amu      expected 204-bkg = 0.040 amu      Dead-time = 32 nanosecs  
 actual 196-204 = 8.160      actual 204-bkg = 0.040      expected resolution = >4200  
 Primary = 2.0 nA      PESABM = 32 pA      actual resolution = 4680  
 expected Primary : PESABM ≈ 50:1      actual Primary : PESABM = 62.5

Comments: 7 SCANS ; 2 MIN RASTER @ 100 μm

95-28A = PG (Non-mag)

Note: #1 to 9 done on 11/12/95  
 #7 → " " 16/12/95 (#7,8,9 labelled twice!)

↓ 95-28A

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.	
	204, 206 238	std 1-9	10:24	6.96	12.8	1598	220	2.1	0.26	571 ± 1	571 ± 19	208
	206, 254	std 1-10	10:46	6.80	12.6	1530	220	4.1	.22	571 ± 1	584 ± 19	208
254	204, 206 207, 208, 238	A. 7-1	11:07	6.71	13.1	3.4K	129	4.8	.16	1943 ± 5	2157 ± 8	204
	196, (238) 254	A. 8-1	11:30	7.07	12.6	114	12.9	2.7	2.68	631 ± 5	640 ± 156	208
254	196, 204 207, 238	std 1-11	11:52	6.90	12.9	1600	221	3.9	.28	554 ± 1	508 ± 19	208
	204, (238) 248, (254)	A. 8-2	12:15	6.78	13.0	172	21.1	3.3	2.10	638 ± 4	630 ± 137	208
	196, 206 208, 238, 254	A. 9-1	12:36	6.95	12.7	1390	45.8	7.2	.62	2053 ± 9	2048 ± 18	204
	206, 248, 254	A. 10-1	12:58	7.20	13.2	192	21.7	1.9	1.86	580 ± 3	637 ± 121	208
	196, 248	A. 10-2	13:19	6.70	12.9	132	18.6	3.4	3.37	575 ± 4	467 ± 18	208
254	196, 206 (208), 248	std 1-12	13:42	6.88	12.5	1527	218	3.5	.23	561 ± 1	570 ± 19	208
	196, 207	A. 11-1	14:04	7.07	12.4	299	37.4	5.7	2.86	579 ± 3	622 ± 173	208



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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	A. 11-2	14:25	6.84	125	258	36.2	6.9	.83	577±2	980±70	208
	A. 12-1	14:46	6.92	12.3	452	58.3	9.0	1.32	611±2	865±67	208
	A. 13-1	15:08	7.16	12.7	2.9K	88.2	7.2	.32	2031±6	2154±10	204
	A. 14-1	15:30	6.56	12.3	78.4	8.8	5.9	2.20	799±11	1221±331	208
	std 1-13	15:51	6.75	11.9	1467	229	4.0	.22	570±1	624±19	208
*	A. 15-1	16:13	7.04	11.7	1431	200	15.6	1.44	566±1	667±53	204
	A. 15-2	16:34	7.05	10.8	658	94.9	8.6	1.62	588±1	—	208
	A. 16-1	16:56	6.89	11.7	377	63.3	5.3	1.92	501±1	554±61	208
	A. 17-1	17:17	6.66	12.0	123	17.2	2.8	2.15	640±4	761±137	208
	A. 17-2	17:39	6.85	11.3	106	14.5	4.2	2.49	638±5	846±159	208
	std 2-1	18:01	6.99	12.2	1471	204	3.1	.38	564±1	518±20	208
*	A. 18-1	18:24	6.81	12.0	195	28.3	3.9	2.08	584±3	685±107	208
	A. 18-2	18:46	6.85	12.0	130	18.6	4.1	3.81	570±4	644±201	208
	A. 19-1	19:07	7.13	12.0	1227	51.2	4.9	0.50	1638±7	1682±24	204
	A. 19-2	19:29	6.62	11.9	793	40.7	3.1	0.39	1662±8	1774±28	204
	A. 19-3	19:51	6.72	12.1	1758	80.3	5.2	0.32	1755±6	1690±16	204
	528-2-2	20:19	6.84	13.4	1583	213	3.4	0.34	560±0.7	631±18	208
	A. 20-1	20:45	6.13	15.7	864	123	13.5	2.5	615±7	381±46	208
	A. 21-1	21:10	6.71	14.7	4540	141	3.0	0.08	2078±5	2195±6	204
	A. 22-1	21:37	6.59	15.6	51.3	5.6	1.6	7.28	611±7	298±286	208
	A. 23-1	22:00	6.59	14.8	14801	102	4.5	1.29	252±0.6	434±84	208
	A. 24-1	22:26	6.52	16.4	876	144	30.2	5.17	419±2	563±140	204
	528-2-3	22:55	6.62	14.4	1650	223	4.4	0.23	572±0.7	563±18	208
	A. 25-1	23:22	7.15	15.2	1526	143	1.9	0.22	623±1.0	629±33	204
	A. 26-1	23:45	6.49	15.2	222	29	4.1	2.12	583±3	591±111	208



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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.

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.
	196, 206									
	SL528.A27-1	00:13	6.79	14.9	865	24	4.4	0.67	2154±12    2119±11	204
248 / 254	196, 206 / 207, 208	A 28-1	00:40	6.46	14.3	266	34	8.3	647±3    929±105	208
	206, 248 / 254	A 29-1	01:07	6.86	14.0	2541	74	2.6	2174±7    2175±9	204
	196, 206, 207 / 254	SL528.2-4	01:33	6.62	13.5	1603	231	4.2	569±0.7    518±19	208
254 / 196, 206, 207 / 238, 208	High 204	A.30-1	01:56	6.41	15.7	1350	115	30.6	641±7    398±344	204
Aborted	A.30-2					High	204			x
Aborted	B.01-1					High	204 / low 2020			x
	B.2-1	02:51	6.46	16.6	194	23	3.0	4.1	595±3    486±123	208
Aborted	B.3-1					High	204 (±150, 115)			
Aborted	B4-1								isn't 2064	
Aborted	B5-1								High 204 (745, 116)	
	196, 204, 206 / 208, 238	SL528.2-5	04:16	6.42	14.2	1512	230	2.6	0.23    566±0.7    597±19	208
254 / 196, 204 / 208, 238	B6-1	04:38	6.50	16.1	2922	372	7.8	0.34	575±0.5    598±18	208
	196, 206 / 208, 238, 254	A31-1	05:11	6.33	17.3	674	89	6.8	0.59    559±1    726±36	208
	238, 254	A31-2	05:33	6.69	14.3	1455	186	4.6	0.30    594±1    639±30	208
	196	A4-2	05:57	6.58	15.3	469	57	4.3	0.88    606±2    643±70	208
	196	A.32-1	06:20	6.47	13.8	1942	260	3.7	0.23    642±1    622±23	208
196, 204, 238 / 248, 254	SL528.2-6	06:42	6.59	13.9	1624	228	2.5	0.22	578±1    603±17	208