

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 2/5/96 UWA Mount No. 96-15 B A Whose sample? Marcus Operator(s) IF+MR

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254

Precambrian Count time (secs): 2 / 10 / 10 / 10 / 20/10* / 10 / 5 / 5 / 2 /
Phanerozoic* Delay time (secs): 7 / 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 = 8.168 actual 204-bkg = 0.042 expected resolution = >4200

actual 206-207 = 1.001 actual 206-208 = 1.000 actual resolution = 4593

Primary = 2.9 nA PESABM = 41 pA actual Primary : PESABM (= 50:1) = 71

Raster time (mins): 2 Raster aperture (microns): 100 120 No. of scans: 7

Comments:

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.
196, 204, 206, 248, 254	sl 615.4-5	10:08	6.01	18.1	1787	-	1.6	.08	- 590	208
207, 248, 254	46	10:28	6.08	17.9	1954	220	2.1	.10	607 494	208
196, 206, 254	4-7	10:46	6.07	18.0	1922	219	0.4	.03	601 561	208
196, 206, 208, 238	u 615B.1-1	11:05	6.00	19.3	1167	140	3.5	.48	554 620	204
196, 207, 238	2-1	11:24	6.47	18.6	6803	700	11.0	.33	528 576	204
-	3-1	-	high	204	-	abandon	-	-	-	-
-	3-2	-	-	-	-	"	-	-	-	-
196, 206, 254, 208, 238	4-1	11:52	6.10	19.1	3614	400	12.0	.54	573 600	204
196, 206, 207, 238, 254	sl 4-8	12:11	6.06	19.2	1955	219	0.4	.08	579 583	208
	u B.5-1	12:33	6.33	19.3	3090	337	9.2	.57	573 630	204
207, 238, 254	6-1	12:54	6.17	18.8	660	69	2.7	.69	590 594	204

Delete first 11, 7, 6

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 kps	206 cps	U ppm	204Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	196, 238										
	B-7-1	13:12	6.14	19.	1345	144	1.2	.16	583	520	204
	196, 207 248	8-1	13:31	6.31	18.3	712	72	0.9	587	581	204
	238	sl 4-9	13:50	6.11	19.1	2015	218	0.7	585	556	208
	196, 206 254, 238, 248	B-9-1	14:11	5.91	18.8	1042	132	0.7	566	516	204
	196, 206 254, 208, 248	10-1	14:32	6.11	18.7	1600	186	0.4	561	538	204
	-	11-1	—	huge	204	—	abandon	—	—	—	—
	-	11-2	—	high	204	—	"	—	—	—	—
	196, 248	12-1	15:02	6.18	19.	763	80	0.4	583	578	204
	196, 238	13-1	15:20	6.09	19.	1463	162	0.3	583	601	204
	196, 207 254, 238, 248	sl 3-1	15:40	6.27	18.7	2031	208	0.8	580	560	208
	196, 206 254, 238, 248	B-14-1	16:04	6.41	18.5	1291	126	0.4	577	527	204
	196, 248	15-1	16:21	6.18	18.5	975	106	—	578	621	—
	196, 248 254	16-1	16:38	6.42	18.5	2140	235	5.7	508	575	204
	196 238, 254	sl 3-2	17:18	6.22	18.5	2029	215	23	582	570	208
	196	B-18-1	17:37	6.25	18.5	1448	152	0.5	580	515	204
	196, 206 208	19-1	17:55	6.32	17.7	2100	220	0.8	585	507	204
	196, 206 207, 248	20-1	18:13	6.19	19.3	1233	123	0.9	599	575	204
	* 196, 204	21-1	18:32	—	v. high	204	—	—	DELETE FROM FILE	—	—
	196, 206 238	sl 3-3	18:52	6.09	19.4	2070	217	1.1	598	535	208
	196, 208	B-22-1	19:17	6.26	19.3	713	70	-0.2	588	465	208
	196, 248 254	B-23-1	19:40	6.15	20.5	1738	198	4.4	507	567	204
	196, 207 208, 254	B-24-1	19:51	6.07	19.	1386	157	1.3	571	643	204
	208, 238	B-25-1	20:20	5.76	21.1	1526	227	26.3	462	510	204
	196, 206 206, 248 254	sl 3-4	20:40	5.97	20.1	1965	230	1.6	556	550	208

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

	196, 238, 248	u615B.261	21:04	5.98	18.8	1639	201	1.3	0.12	560	509	204
	206, 238, 254	B.27-1	21:26	5.97	21.4	2092	260	6.9	0.58	491	579	204
(238)	206, 207, 248, 254	B.24-2	21:52	6.76	20.2	280	28	0.3	0.2	441	659	204
	206, 208, 238, 254	B.22-2	22:12	6.06	19.7	416	44	-0.3	-	588	731	no common Pb
	206, 254	SL.3-5	22:33	5.95	20.1	2018	233	0.1	0.009	567	556	208
	208, 238, 254	B.28-1	22:56	6.26	19.9	1490	145	-0.5	-	577	612	no common Pb
	196, 248, 254	B.29-1	23:15	5.92	20.4	1628	189	0.4	0.04	563	583	204
	196, 207, 248	B.29-2	23:36	5.88	19.6	833	104	0.1	0.01	562	603	204
	196, 238, 248, 254	B.30-1	23:56	6.17	19.6	1089	113	0.7	0.11	574	533	204
	196, 206, 238, 254	SL.3-6	00:17	5.88	19.9	1980	239	1.7	0.082	572	588	208
	196, 206, 254, 238, 248	B.31-1	00:49	6.18	18.6	1381	150	3.2	0.39	570	585	204
	-	B.32-1	01:11	5.91	19.4	848	104	0.2	0.04	567	619	204
	206	B.33-1	01:33	5.93	19.1	1439	174	0.3	0.03	575	597	204
	206, 238, 248	B.34-1	02:07	5.84	22.7	2501	274	0.8	0.05	564	547	204
	196, 206, 254	SL.3-7	02:27	6.02	20.3	2013	223	2.2	0.09	564	626	208
	196, 206, 208, 248	B.34-2	02:47	5.61	21.4	536	80	10.8	2.8	495	512	204
	196, 238	B.35-1	03:09	5.90	20.1	1213	144	1.2	0.15	565	545	204
	196, 238, 248	B.36-1	03:30	5.72	20.9	702	90	0.5	0.09	561	593	204
	-	B.37-1	03:52	6.03	19.0	1047	125	-0.1	-	555	578	no common Pb correction
	196, 206, 254	SL.3-8	04:13	5.88	20.3	2020	241	0.5	0.02	566	553	208
	196, 206, 207, 208	B.38-1	04:35	5.36	20.5	1760	301	6.0	0.39	543	578	204
	196, 207, 238, 254	B.39-1	04:56	5.94	20.1	1576	182	0.1	0.008	554	584	204
(A)	196, 238	A.34-1	05:24	6.12	19.2	628	73	-0.4	-	542	569	204
	196, 238, 254	A.35-1	05:46	5.97	18.9	730	91	0.9	0.18	553	497	204
	196, 206, 248, 254	SL.3-9	06:07	6.05	17.0	1744	230	0.6	0.06	556	584	208

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