

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: **22/8/97** UWA Mount No.: **97-22** Whose sample?: **AGSO** Operator(s): **IRF + AR**

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

Precambrian Count time (secs): 2 10 10 10 ~~30/100~~ 10 5 5 2

Phanerozoic* Delay time (secs): **98** 3 1 2 1 1 3 2 2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = **3.2** nanosecs

actual 196-204 = **8.168** actual 204-bkg = **0.042** expected resolution = >4200

actual 206-207 = **0.9997** actual 206-208 = **1.9997** actual resolution = **4.875**

Primary = **3.8** nA PESABM = **6.2** pA actual Primary : PESABM (= 50:1) = **6.1**

Raster time (mins): **1min** Raster aperture (microns): **100um** No. of scans: **6**

Comments: **Running 1° at 2.0kV for standard. Rubberg 1° on unknown so that cps may vary 200-300.**

② 204-measured at an offset of 8.161. (reason unknown) - offset restored for C.4-4.

1/12/97: Also 196 counts strange. why? esp for S4

1/12/97 S-fd σ = 1.72% (default slope)

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.
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	S1.4-7	11:27	6.04	20	2115	-	-ve	-	-	580	-
	S2.4-8	11:49	5.99	19.7	2043	Recal	0.1	0.1	-	566	204
	C.1-1	12:09	7.23	15.9 cps	311k	4069	4643	3.1	2742	2376	204 uncorrected.
	C.2-1	12:57	6.86	5738 cps	30k	1898	1022	2.3	1914	2090	204
	C.3-1	13:19	7.97	2064	44k	3773	686	0.5	2539	2240	204
	S1.4-9	13:38	6.46	8.7k	962	194	-ve	-	542	528	-
	C.4-1	14:10	6.84	13.6	15k	730	2050	20.3	919	2558	204
	C.5-1	14:33	5.94	14.8	3670	144	200	5.7	1788	2609	204
	C.6-1	14:50	6.89	11.7	23k	817	4k	22.	1379	2668	204
	C.7-1	15:14	6.05	14.7	1590	49	52.	3.5	2188	2633	204
	C.8-1	15:31	6.06	14.8	5233	246	864.	17.4	1309	2586	204

② { Delete last scan
Delete 1st scan

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

	C-9-1	15:59	5.66	11.4	7942	311	683	3.5	2484	2624	204
	sl. 4-10	16:15	6.27	14.0	1500	205	-ve	-	547	573	204
	C-10-1	16:33	6.23	14.9	6094	143	881	16.	2236	2716	204

last delete soon

give up.
change to 97-23D